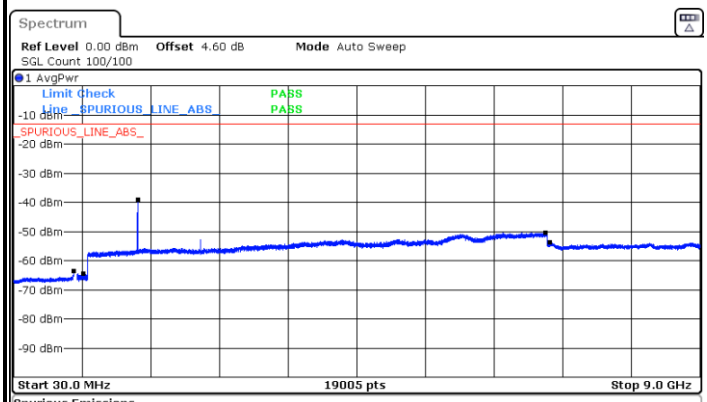
LTE Band 5 / 3MHz

Lowest Channel / QPSK

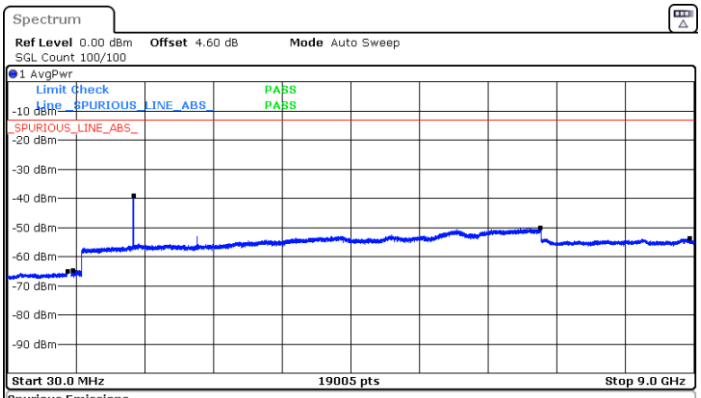


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-63.63 dBm	-50.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	942.16783 MHz	-64.47 dBm	-51.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-39.17 dBm	-26.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98275 GHz	-50.48 dBm	-37.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03924 GHz	-53.62 dBm	-40.62 dB

Date: 5.JAN.2023 03:18:43

Middle Channel / QPSK

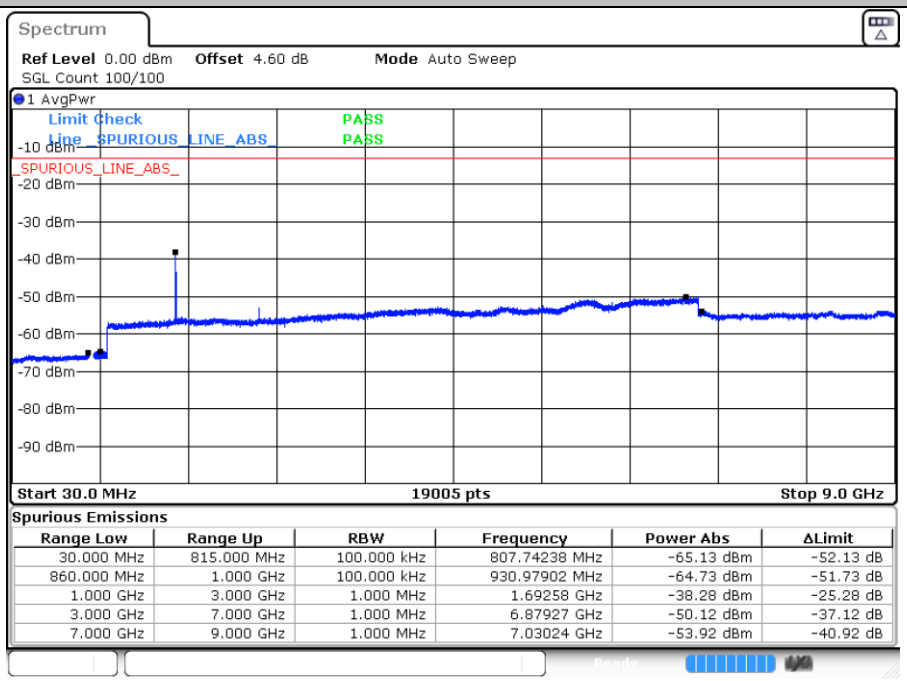


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.88081 MHz	-65.09 dBm	-52.09 dB
860.000 MHz	1.000 GHz	100.000 kHz	882.30769 MHz	-64.64 dBm	-51.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67108 GHz	-39.21 dBm	-26.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-50.29 dBm	-37.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93977 GHz	-53.87 dBm	-40.87 dB

Date: 5.JAN.2023 03:28:36

Highest Channel / QPSK



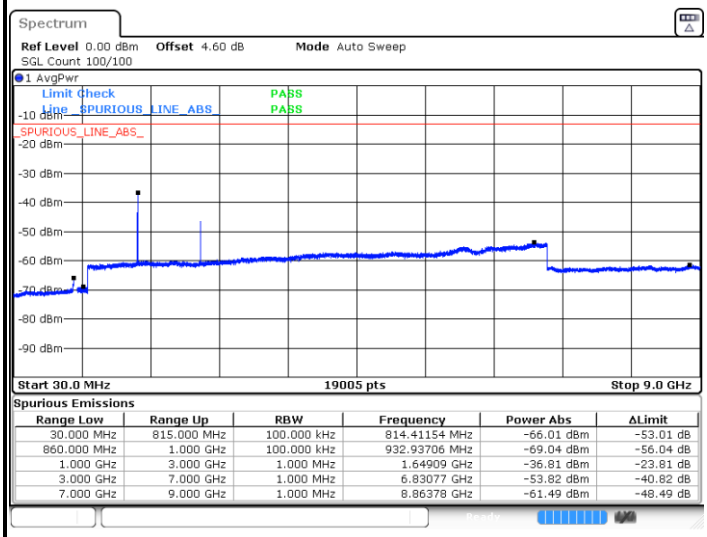
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	807.74238 MHz	-65.13 dBm	-52.13 dB
860.000 MHz	1.000 GHz	100.000 kHz	930.97902 MHz	-64.73 dBm	-51.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-38.28 dBm	-25.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87927 GHz	-50.12 dBm	-37.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03024 GHz	-53.92 dBm	-40.92 dB

Date: 5.JAN.2023 03:30:06

LTE Band 5 / 5MHz

Lowest Channel / QPSK

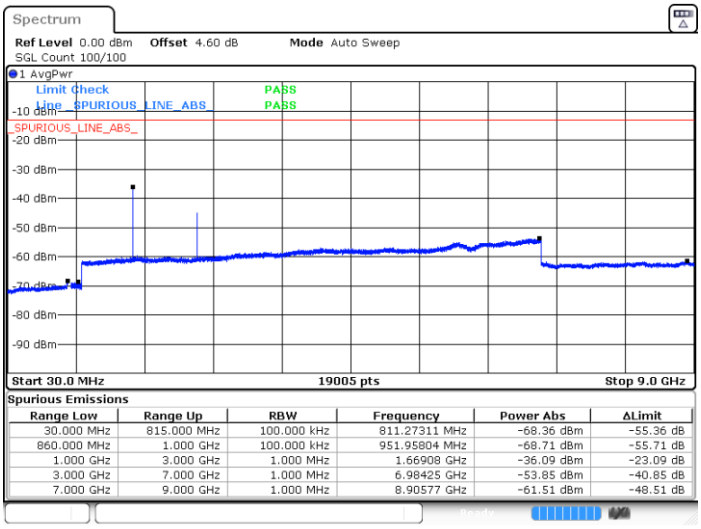


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-66.01 dBm	-53.01 dB
860.000 MHz	1.000 GHz	100.000 kHz	932.93706 MHz	-69.04 dBm	-56.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-36.81 dBm	-23.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83077 GHz	-53.82 dBm	-40.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.86378 GHz	-61.49 dBm	-48.49 dB

Date: 5.JAN.2023 03:39:55

Middle Channel / QPSK

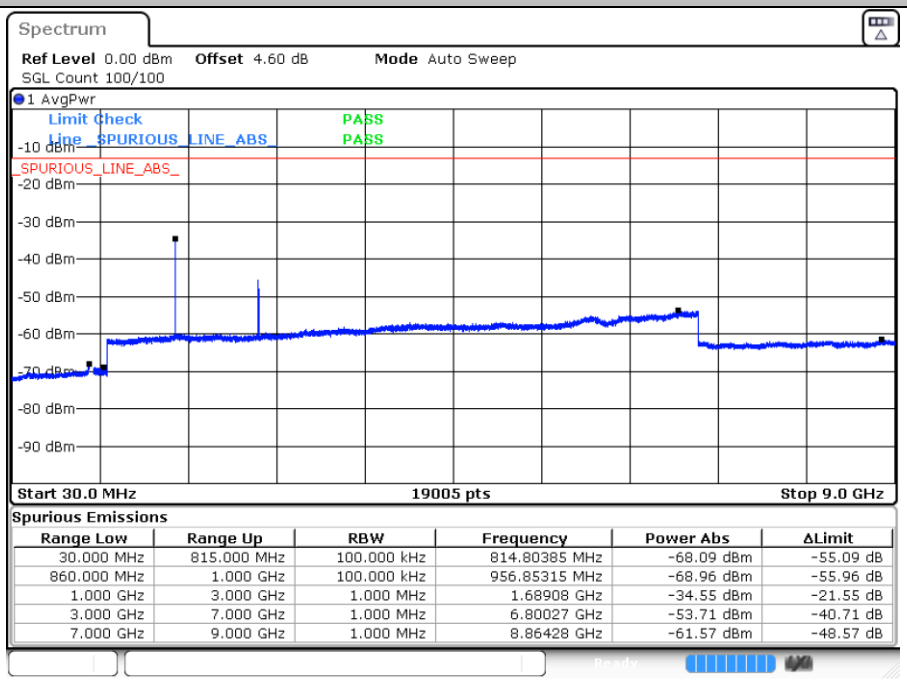


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.27311 MHz	-68.36 dBm	-55.36 dB
860.000 MHz	1.000 GHz	100.000 kHz	951.95804 MHz	-68.71 dBm	-55.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-36.09 dBm	-23.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-53.85 dBm	-40.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90577 GHz	-61.51 dBm	-48.51 dB

Date: 5.JAN.2023 03:47:08

Highest Channel / QPSK



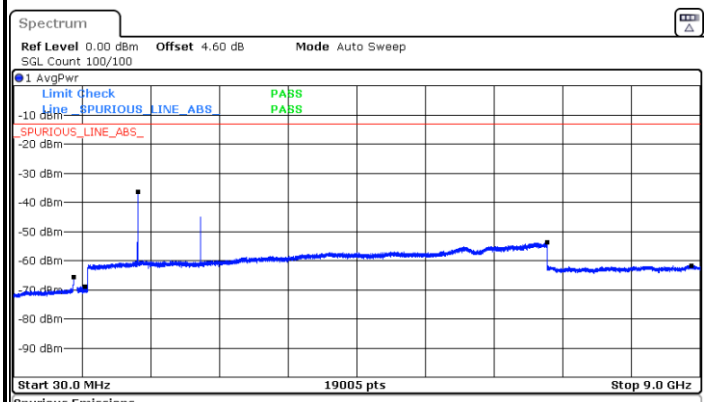
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-68.09 dBm	-55.09 dB
860.000 MHz	1.000 GHz	100.000 kHz	956.85315 MHz	-68.96 dBm	-55.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-34.55 dBm	-21.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80027 GHz	-53.71 dBm	-40.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.86428 GHz	-61.57 dBm	-48.57 dB

Date: 5.JAN.2023 03:48:35

LTE Band 5 / 10MHz

Lowest Channel / QPSK

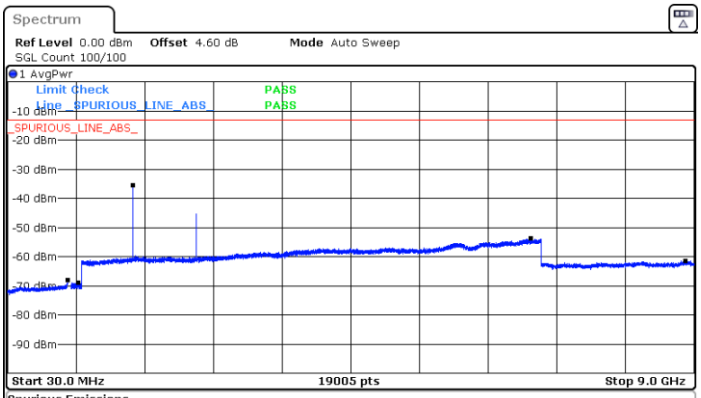


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.66542 MHz	-65.57 dBm	-52.57 dB
860.000 MHz	1.000 GHz	100.000 kHz	957.97203 MHz	-68.86 dBm	-55.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-36.39 dBm	-23.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-53.87 dBm	-40.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88728 GHz	-61.67 dBm	-48.67 dB

Date: 5.JAN.2023 03:56:44

Middle Channel / QPSK

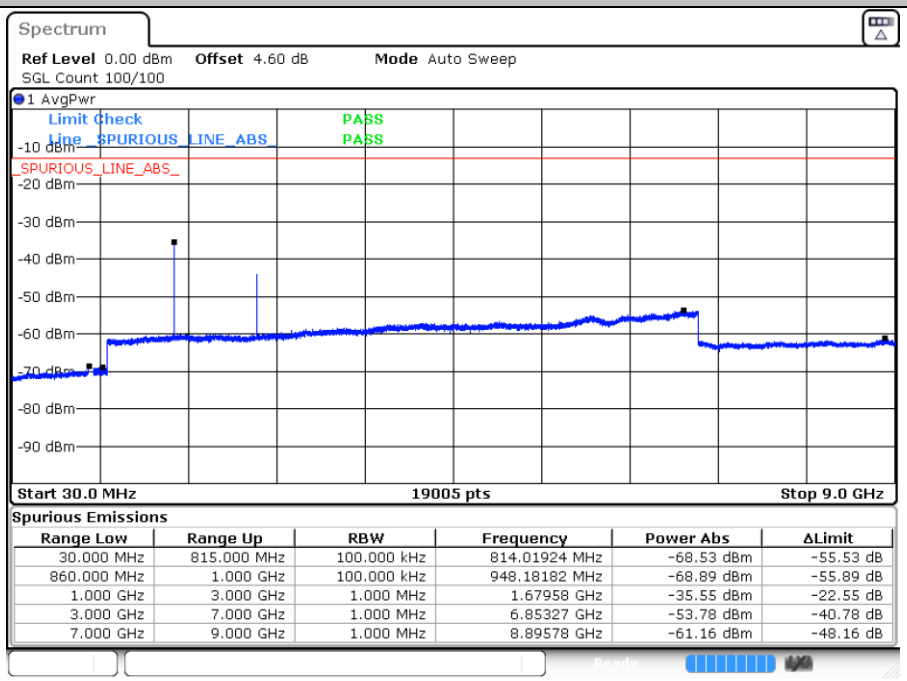


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-68.06 dBm	-55.06 dB
860.000 MHz	1.000 GHz	100.000 kHz	949.72028 MHz	-68.82 dBm	-55.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-35.51 dBm	-22.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86027 GHz	-53.80 dBm	-40.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88628 GHz	-61.50 dBm	-48.50 dB

Date: 5.JAN.2023 04:07:05

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-68.53 dBm	-55.53 dB
860.000 MHz	1.000 GHz	100.000 kHz	948.18182 MHz	-68.89 dBm	-55.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-35.55 dBm	-22.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85327 GHz	-53.78 dBm	-40.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89578 GHz	-61.16 dBm	-48.16 dB

Date: 5.JAN.2023 04:10:32

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

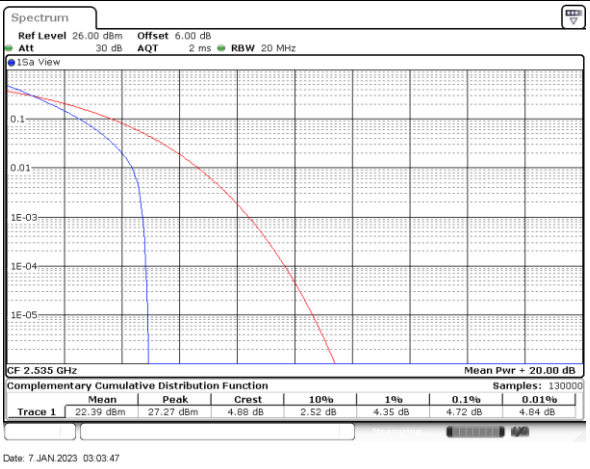
LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.72	5.83	6.43	6.67	PASS

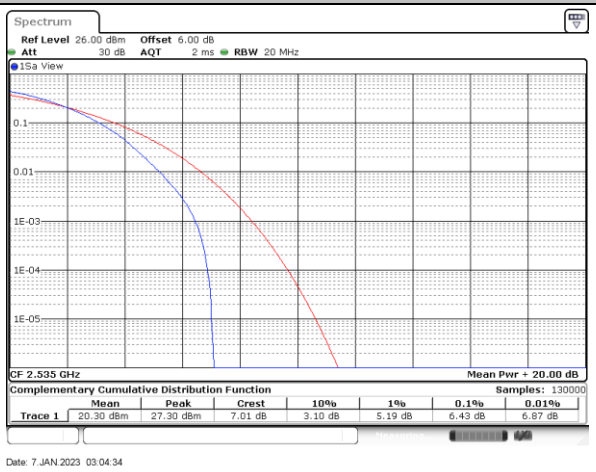
LTE Band 7 / 20MHz

Middle Channel / Full RB/ QPSK

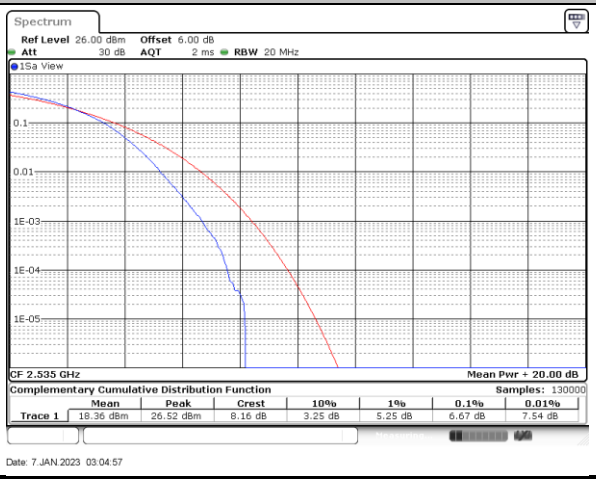


Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM



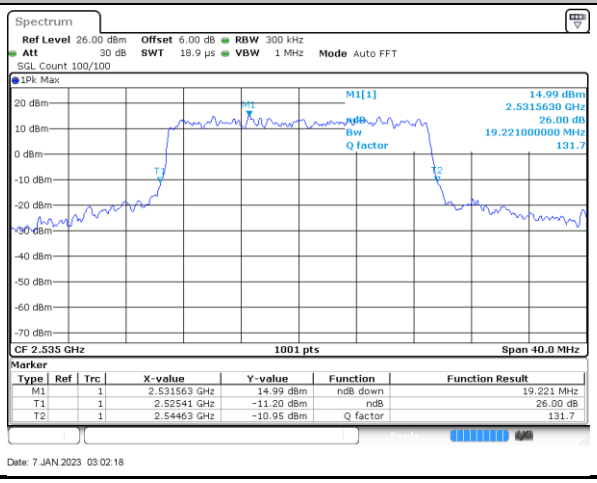
Middle Channel / Full RB/ 256QAM

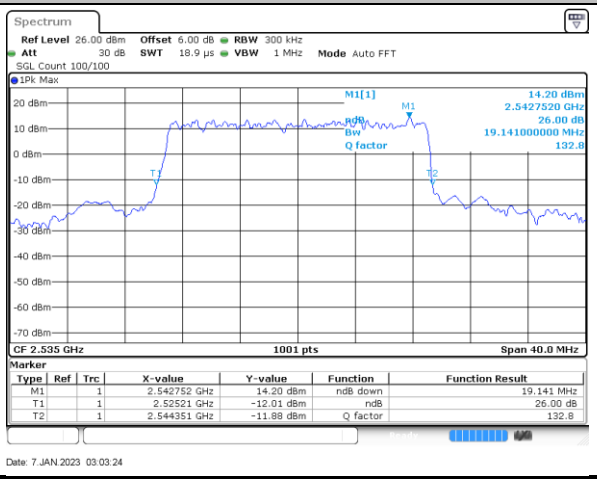


26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.22	19.14

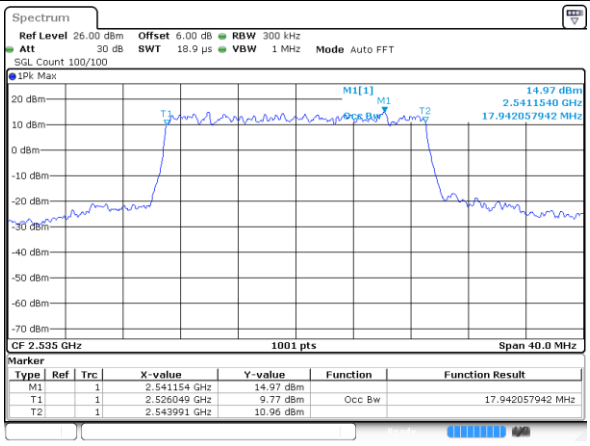
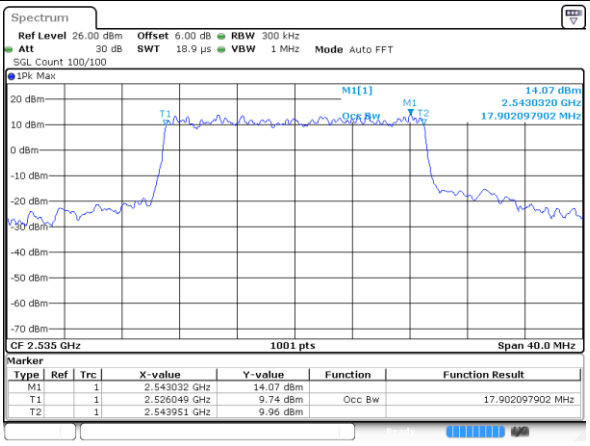
LTE Band 7	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

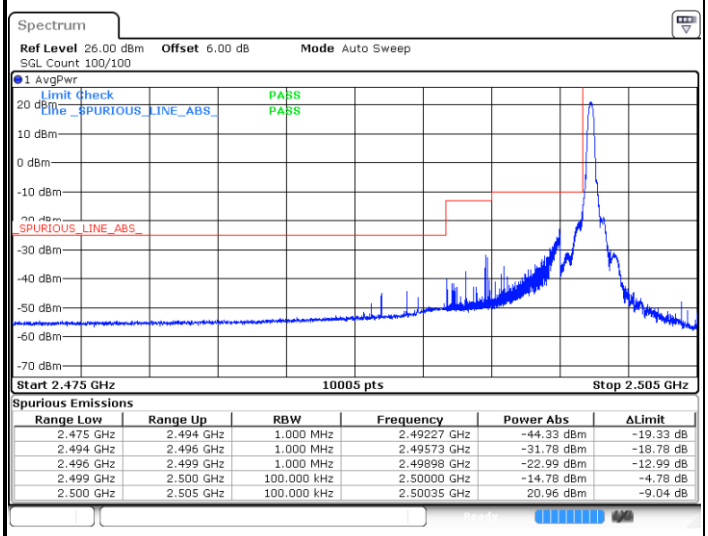
Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90

LTE Band 7	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM
	

Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

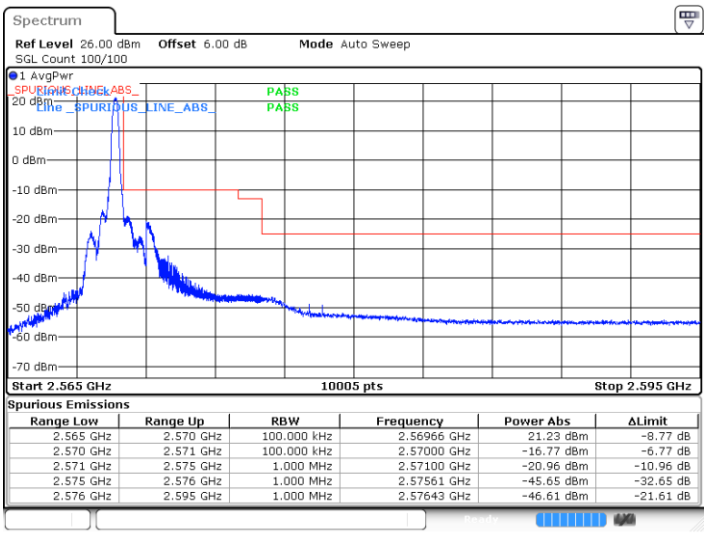


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49227 GHz	-44.33 dBm	-19.33 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49573 GHz	-31.78 dBm	-18.78 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-22.99 dBm	-12.99 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-14.78 dBm	-4.78 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	20.96 dBm	-9.04 dB

Date: 7.JAN.2023 00:58:21

Highest Band Edge / 1 RB

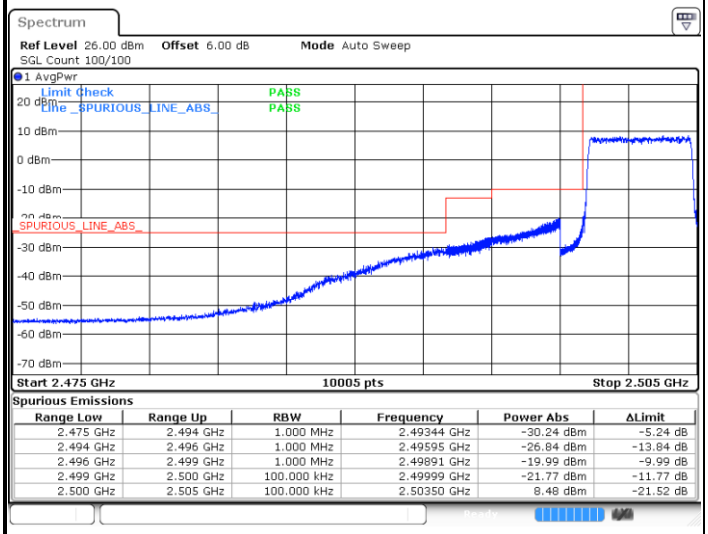


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	21.23 dBm	-8.77 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-16.77 dBm	-6.77 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-20.96 dBm	-10.96 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57561 GHz	-45.65 dBm	-32.65 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57643 GHz	-46.61 dBm	-21.61 dB

Date: 7.JAN.2023 01:14:32

Lowest Band Edge / Full RB

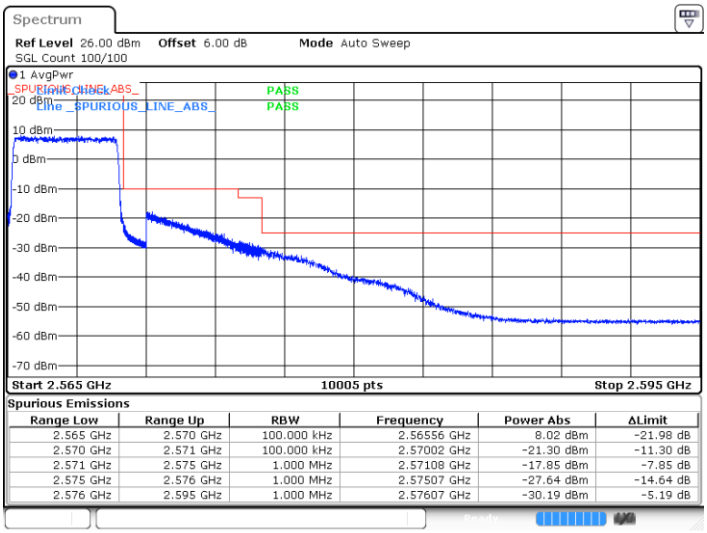


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49344 GHz	-30.24 dBm	-5.24 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-26.84 dBm	-13.84 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-19.99 dBm	-9.99 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-21.77 dBm	-11.77 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50350 GHz	8.48 dBm	-21.52 dB

Date: 7.JAN.2023 01:10:12

Highest Band Edge / Full RB



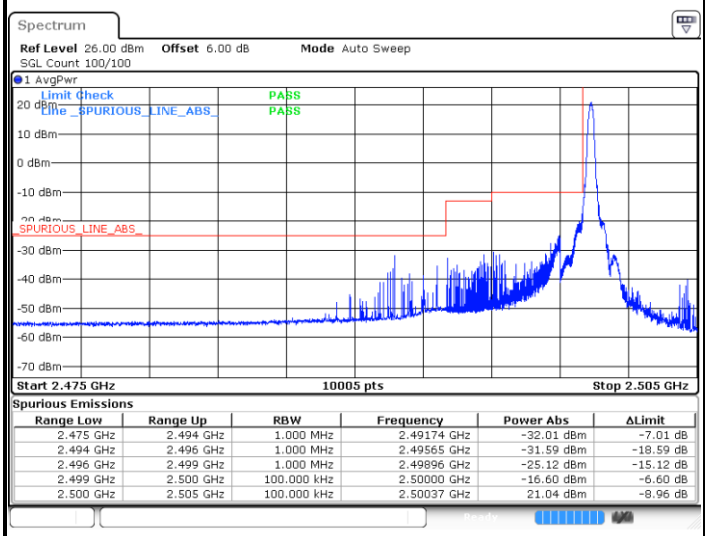
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56556 GHz	8.02 dBm	-21.98 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57002 GHz	-21.30 dBm	-11.30 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-17.85 dBm	-7.85 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57507 GHz	-27.64 dBm	-14.64 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57607 GHz	-30.19 dBm	-5.19 dB

Date: 7.JAN.2023 01:26:22

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

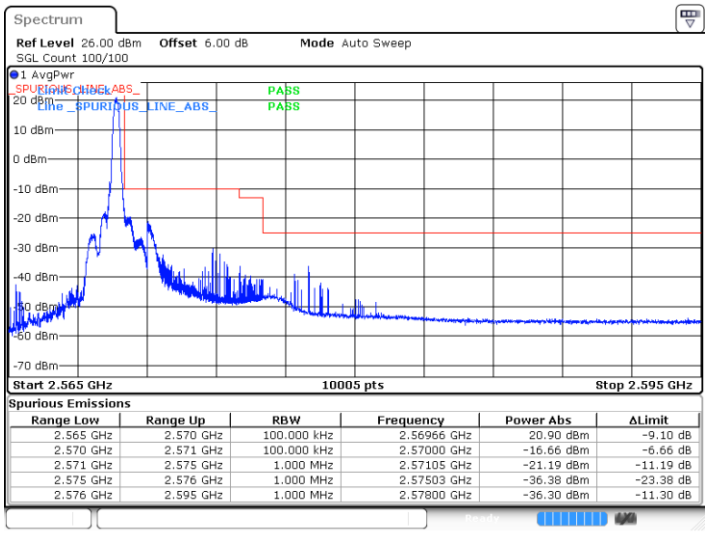


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49174 GHz	-32.01 dBm	-7.01 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49565 GHz	-31.59 dBm	-18.59 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-25.12 dBm	-15.12 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-16.60 dBm	-6.60 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50037 GHz	21.04 dBm	-8.96 dB

Date: 7.JAN.2023 01:00:02

Highest Band Edge / 1 RB

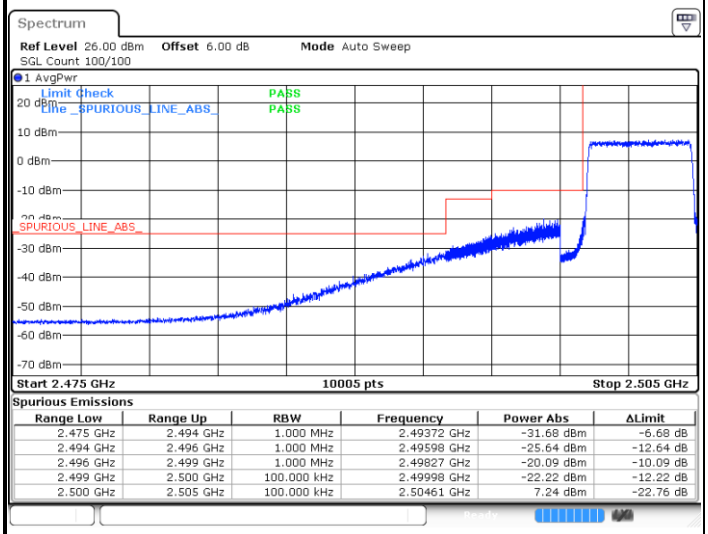


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	20.90 dBm	-9.10 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-16.66 dBm	-6.66 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-21.19 dBm	-11.19 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-36.38 dBm	-23.38 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57800 GHz	-36.30 dBm	-11.30 dB

Date: 7.JAN.2023 01:16:12

Lowest Band Edge / Full RB

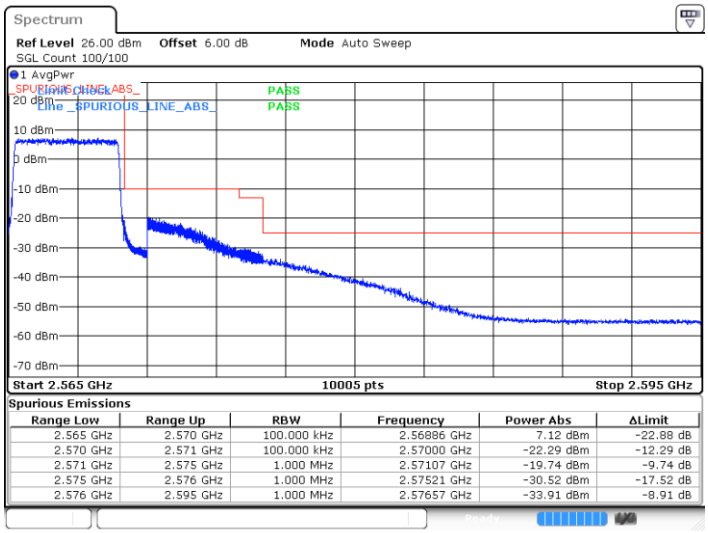


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49372 GHz	-31.68 dBm	-6.68 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-25.64 dBm	-12.64 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49827 GHz	-20.09 dBm	-10.09 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-22.22 dBm	-12.22 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50461 GHz	7.24 dBm	-22.76 dB

Date: 7.JAN.2023 01:08:31

Highest Band Edge / Full RB



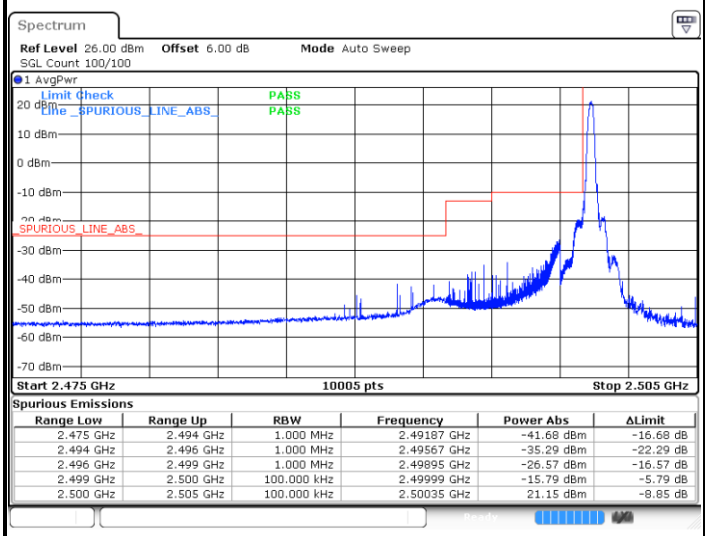
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56886 GHz	7.12 dBm	-22.88 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-22.29 dBm	-12.29 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-19.74 dBm	-9.74 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57521 GHz	-30.52 dBm	-17.52 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57657 GHz	-33.91 dBm	-8.91 dB

Date: 7.JAN.2023 01:24:41

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

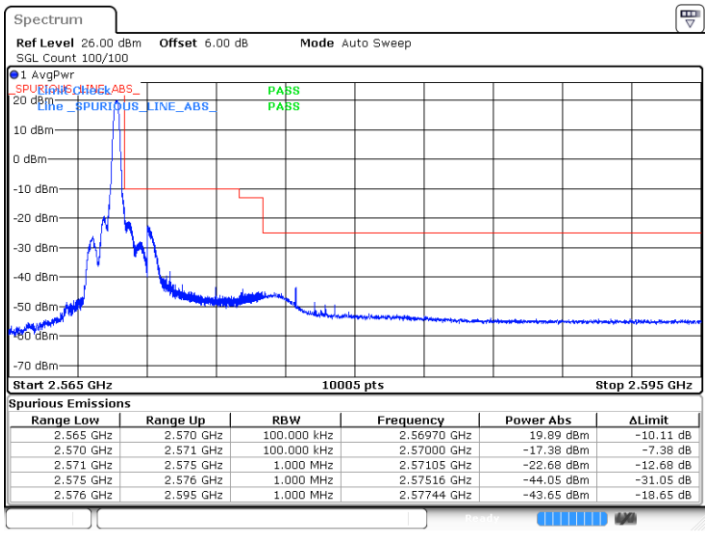


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49187 GHz	-41.68 dBm	-16.68 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49567 GHz	-35.29 dBm	-22.29 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-26.57 dBm	-16.57 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-15.79 dBm	-5.79 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	21.15 dBm	-8.85 dB

Date: 7.JAN.2023 01:01:42

Highest Band Edge / 1 RB

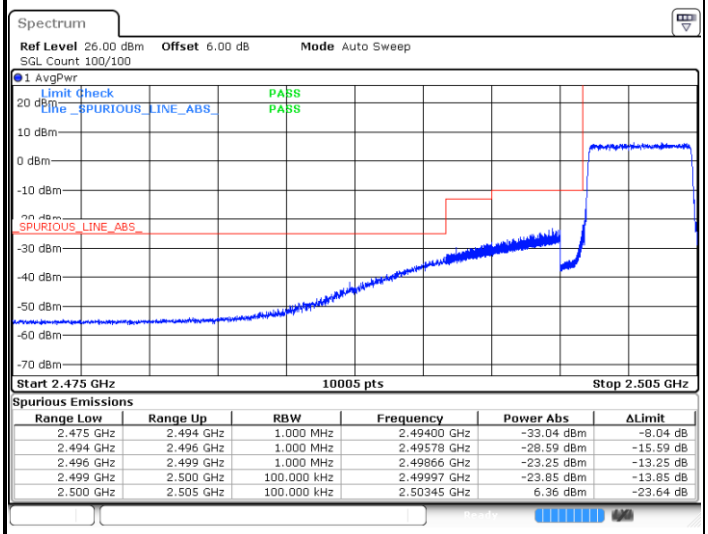


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56970 GHz	19.89 dBm	-10.11 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-17.38 dBm	-7.38 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-22.68 dBm	-12.68 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57516 GHz	-44.05 dBm	-31.05 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57744 GHz	-43.65 dBm	-18.65 dB

Date: 7.JAN.2023 01:17:53

Lowest Band Edge / Full RB

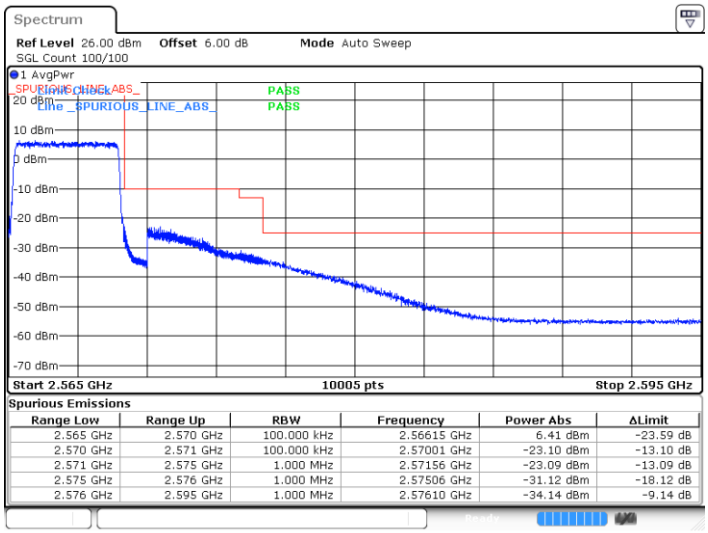


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49400 GHz	-33.04 dBm	-8.04 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49578 GHz	-28.59 dBm	-15.59 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49866 GHz	-23.25 dBm	-13.25 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49997 GHz	-23.85 dBm	-13.85 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50345 GHz	6.36 dBm	-23.64 dB

Date: 7.JAN.2023 01:06:51

Highest Band Edge / Full RB



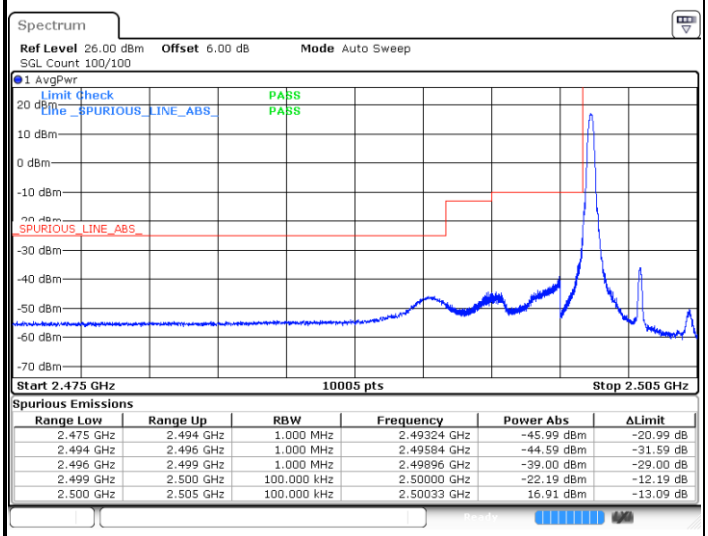
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56615 GHz	6.41 dBm	-23.59 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-23.10 dBm	-13.10 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57156 GHz	-23.09 dBm	-13.09 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57506 GHz	-31.12 dBm	-18.12 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57610 GHz	-34.14 dBm	-9.14 dB

Date: 7.JAN.2023 01:23:00

LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

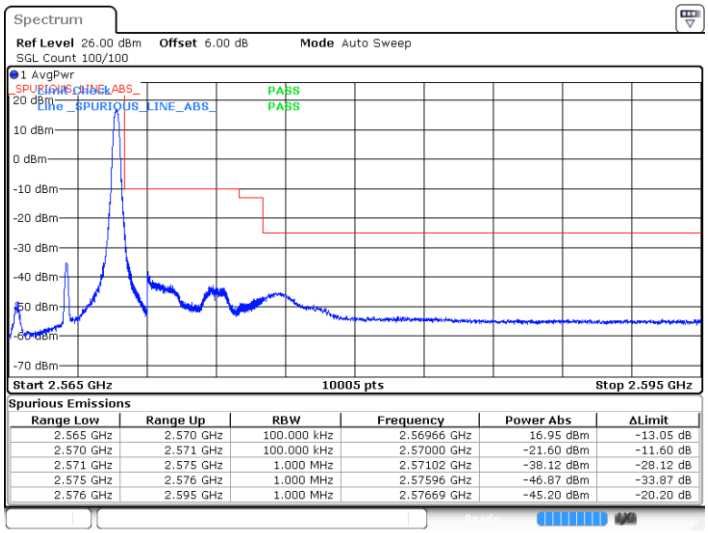


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49324 GHz	-45.99 dBm	-20.99 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49584 GHz	-44.59 dBm	-31.59 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-39.00 dBm	-29.00 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-22.19 dBm	-12.19 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50033 GHz	16.91 dBm	-13.09 dB

Date: 7.JAN.2023 01:03:23

Highest Band Edge / 1 RB

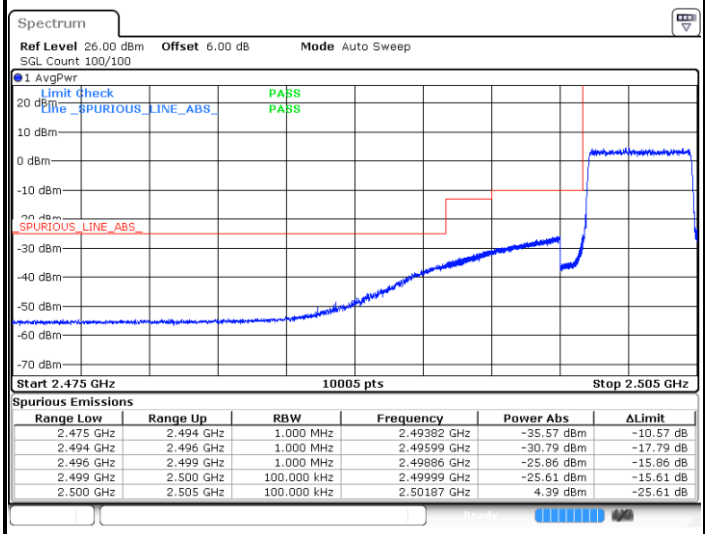


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	16.95 dBm	-13.05 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-21.60 dBm	-11.60 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-38.12 dBm	-28.12 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57596 GHz	-46.87 dBm	-33.87 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57669 GHz	-45.20 dBm	-20.20 dB

Date: 7.JAN.2023 01:19:34

Lowest Band Edge / Full RB

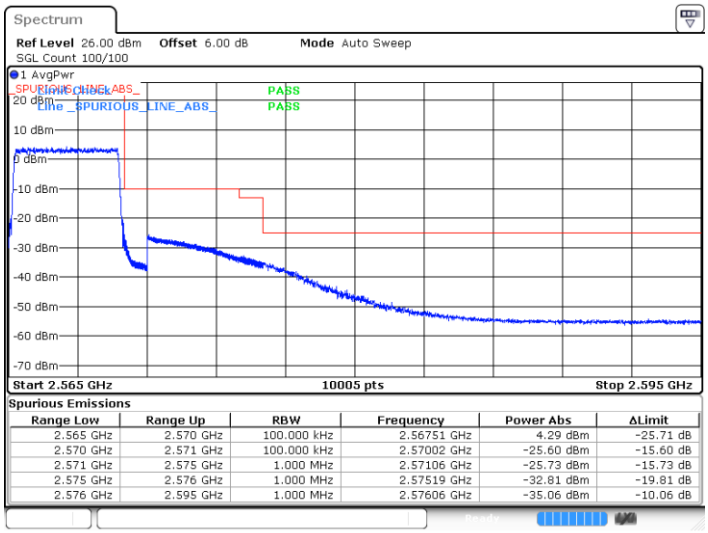


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49382 GHz	-35.57 dBm	-10.57 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-30.79 dBm	-17.79 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49886 GHz	-25.86 dBm	-15.86 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-25.61 dBm	-15.61 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50187 GHz	4.39 dBm	-25.61 dB

Date: 7.JAN.2023 01:05:07

Highest Band Edge / Full RB



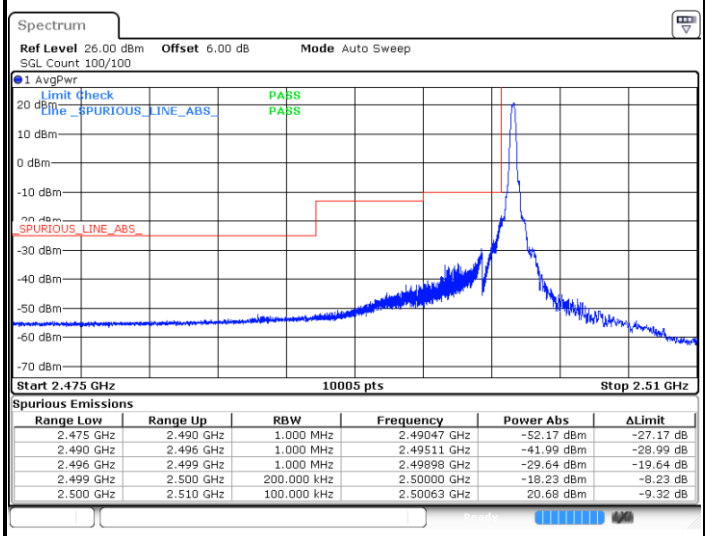
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56751 GHz	4.29 dBm	-25.71 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57002 GHz	-25.60 dBm	-15.60 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-25.73 dBm	-15.73 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57519 GHz	-32.81 dBm	-19.81 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57606 GHz	-35.06 dBm	-10.06 dB

Date: 7.JAN.2023 01:21:17

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

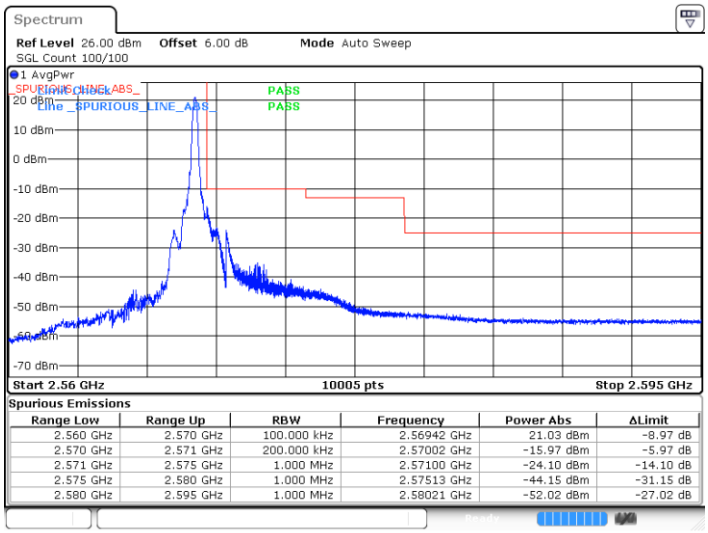


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-52.17 dBm	-27.17 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49511 GHz	-41.99 dBm	-28.99 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-29.64 dBm	-19.64 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-18.23 dBm	-8.23 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50063 GHz	20.68 dBm	-9.32 dB

Date: 7.JAN.2023 01:29:22

Highest Band Edge / 1 RB

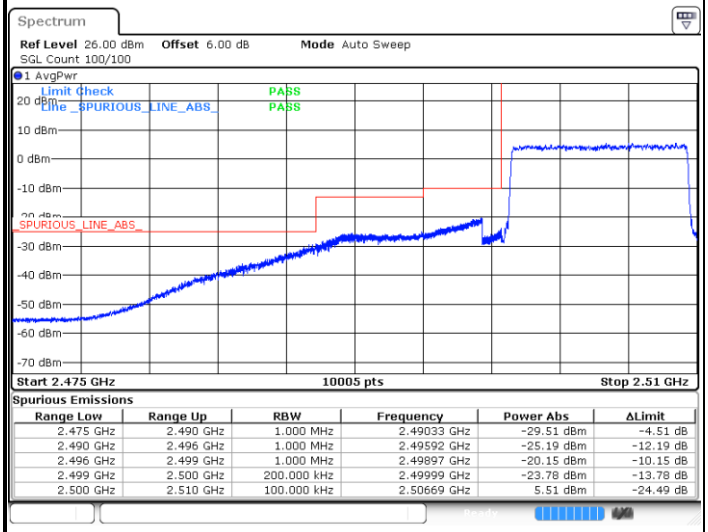


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56942 GHz	21.03 dBm	-8.97 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-15.97 dBm	-5.97 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-24.10 dBm	-14.10 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57513 GHz	-44.15 dBm	-31.15 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58021 GHz	-52.02 dBm	-27.02 dB

Date: 7.JAN.2023 01:47:17

Lowest Band Edge / Full RB

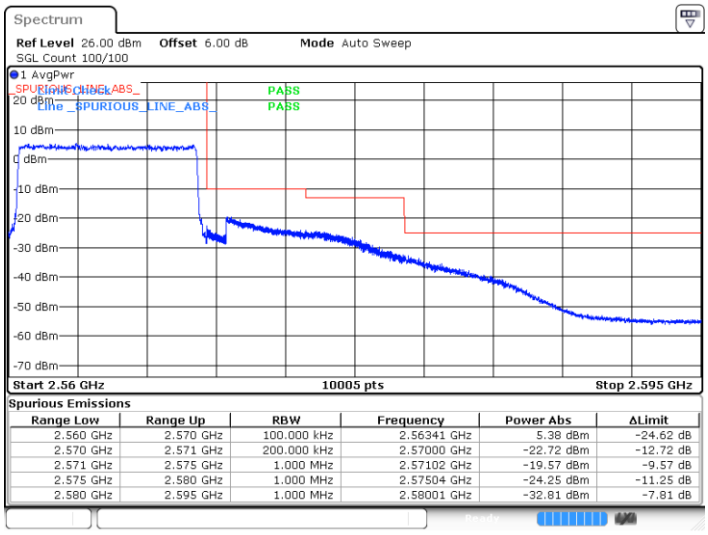


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-29.51 dBm	-4.51 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-25.19 dBm	-12.19 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-20.15 dBm	-10.15 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-23.78 dBm	-13.78 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50669 GHz	5.51 dBm	-24.49 dB

Date: 7.JAN.2023 01:42:57

Highest Band Edge / Full RB



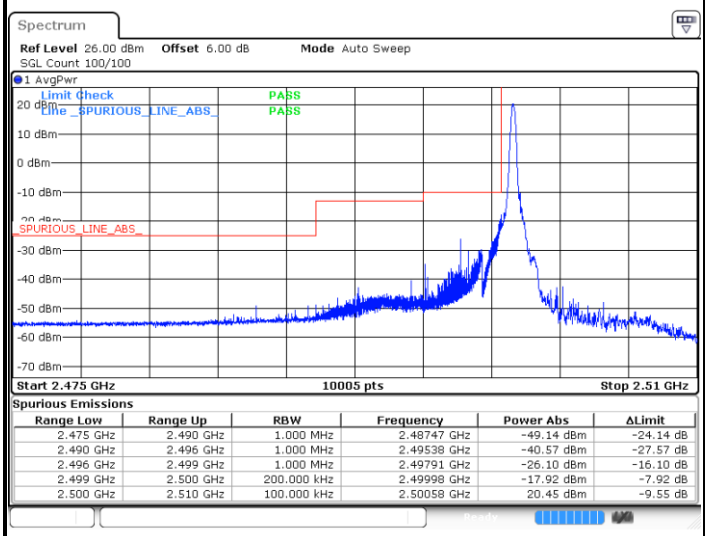
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56341 GHz	5.38 dBm	-24.62 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-22.72 dBm	-12.72 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-19.57 dBm	-9.57 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57504 GHz	-24.25 dBm	-11.25 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58001 GHz	-32.81 dBm	-7.81 dB

Date: 7.JAN.2023 01:59:03

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

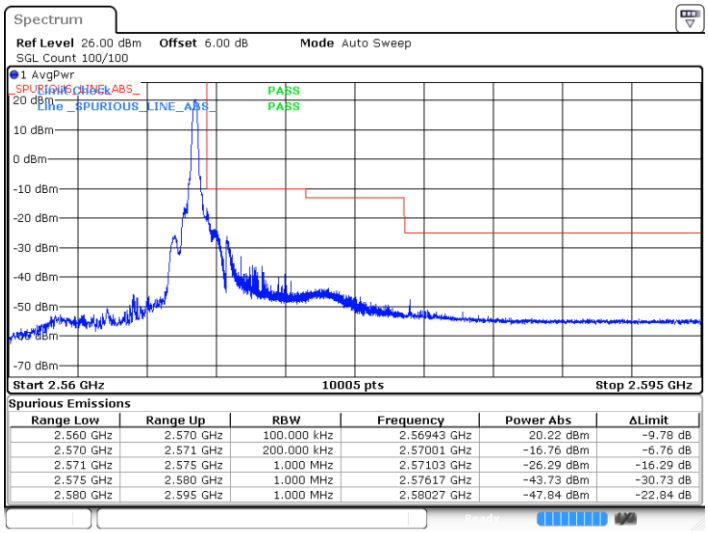


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48747 GHz	-49.14 dBm	-24.14 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49538 GHz	-40.57 dBm	-27.57 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49791 GHz	-26.10 dBm	-16.10 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-17.92 dBm	-7.92 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	20.45 dBm	-9.55 dB

Date: 7.JAN.2023 01:31:03

Highest Band Edge / 1 RB

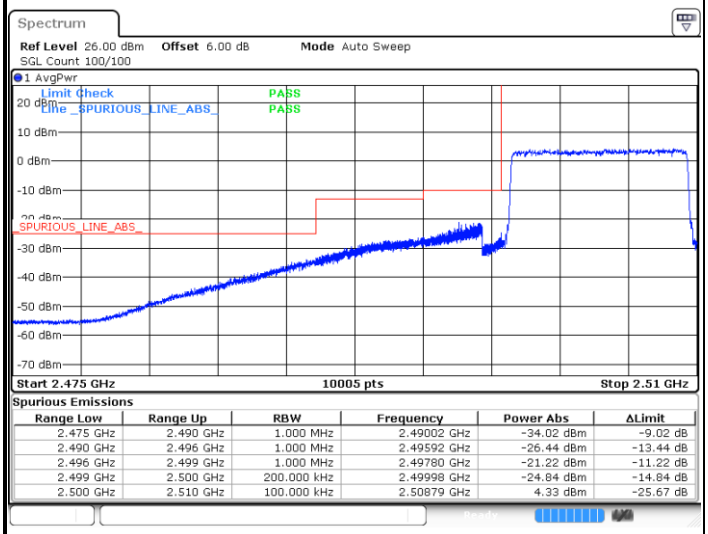


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56943 GHz	20.22 dBm	-9.78 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-16.76 dBm	-6.76 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-26.29 dBm	-16.29 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57617 GHz	-43.73 dBm	-30.73 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58027 GHz	-47.84 dBm	-22.84 dB

Date: 7.JAN.2023 01:48:57

Lowest Band Edge / Full RB

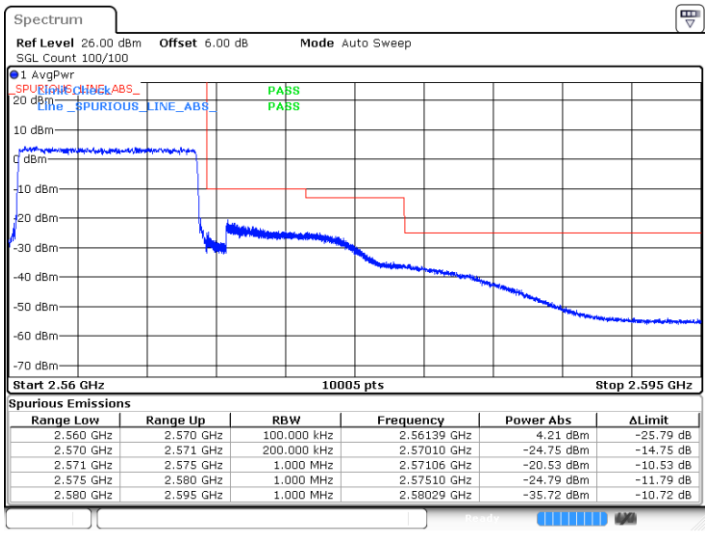


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49002 GHz	-34.02 dBm	-9.02 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-26.44 dBm	-13.44 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49780 GHz	-21.22 dBm	-11.22 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-24.84 dBm	-14.84 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50879 GHz	4.33 dBm	-25.67 dB

Date: 7.JAN.2023 01:41:16

Highest Band Edge / Full RB



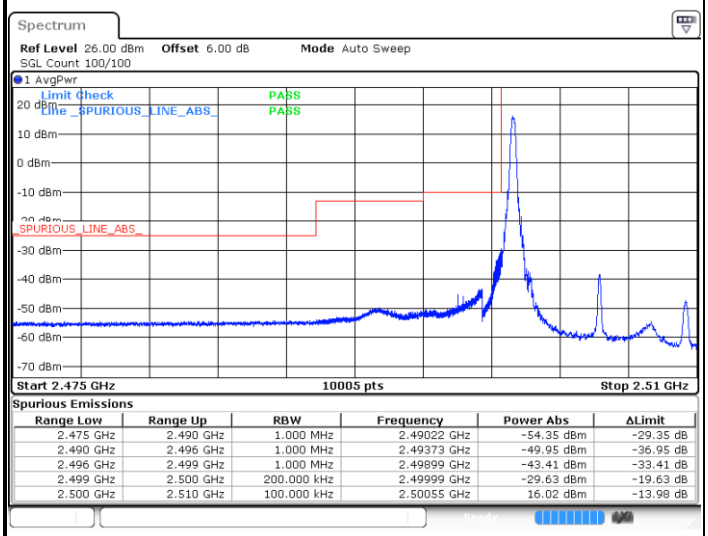
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56139 GHz	4.21 dBm	-25.79 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57010 GHz	-24.75 dBm	-14.75 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-20.53 dBm	-10.53 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57510 GHz	-24.79 dBm	-11.79 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58029 GHz	-35.72 dBm	-10.72 dB

Date: 7.JAN.2023 01:57:22

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

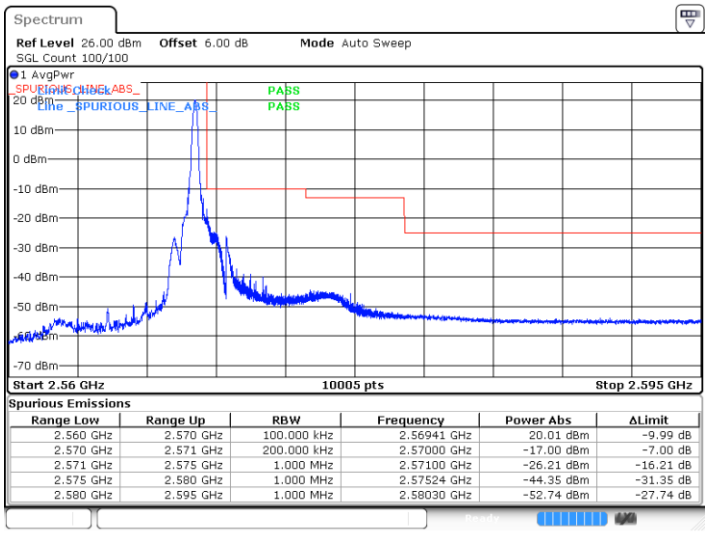


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-54.35 dBm	-29.35 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49373 GHz	-49.95 dBm	-36.95 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-43.41 dBm	-33.41 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-29.63 dBm	-19.63 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50055 GHz	16.02 dBm	-13.98 dB

Date: 7.JAN.2023 01:34:24

Highest Band Edge / 1 RB

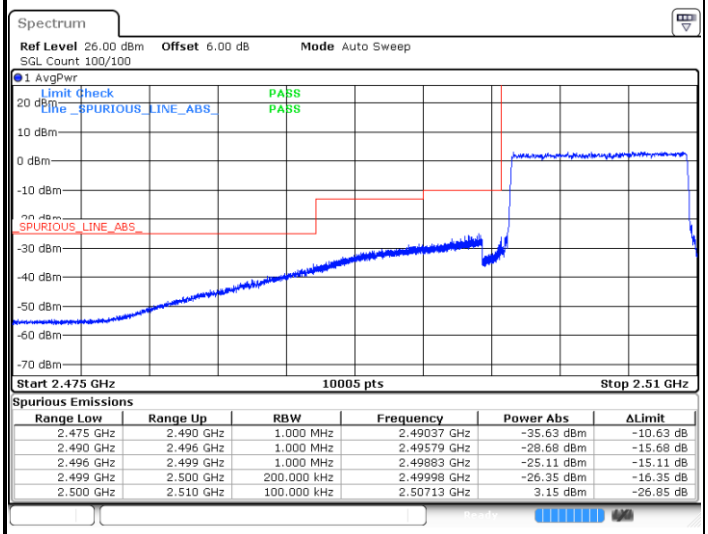


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	20.01 dBm	-9.99 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-17.00 dBm	-7.00 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-26.21 dBm	-16.21 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57524 GHz	-44.35 dBm	-31.35 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58030 GHz	-52.74 dBm	-27.74 dB

Date: 7.JAN.2023 01:50:37

Lowest Band Edge / Full RB

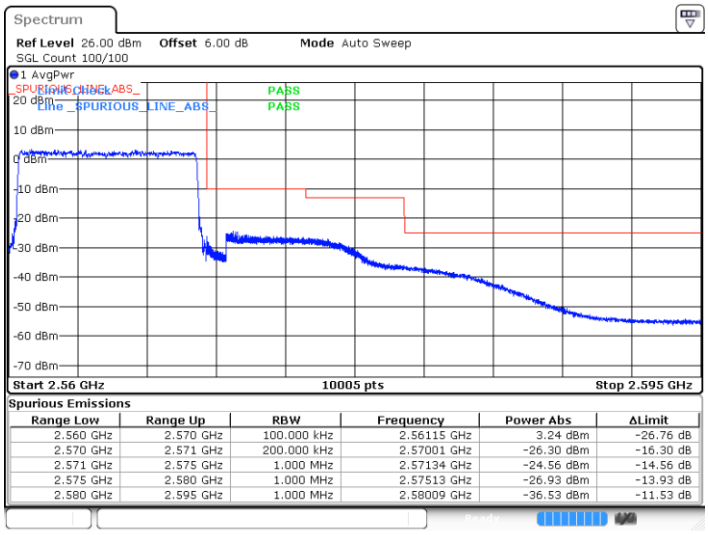


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-35.63 dBm	-10.63 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49579 GHz	-28.68 dBm	-15.68 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49883 GHz	-25.11 dBm	-15.11 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-26.35 dBm	-16.35 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50713 GHz	3.15 dBm	-26.85 dB

Date: 7.JAN.2023 01:39:36

Highest Band Edge / Full RB



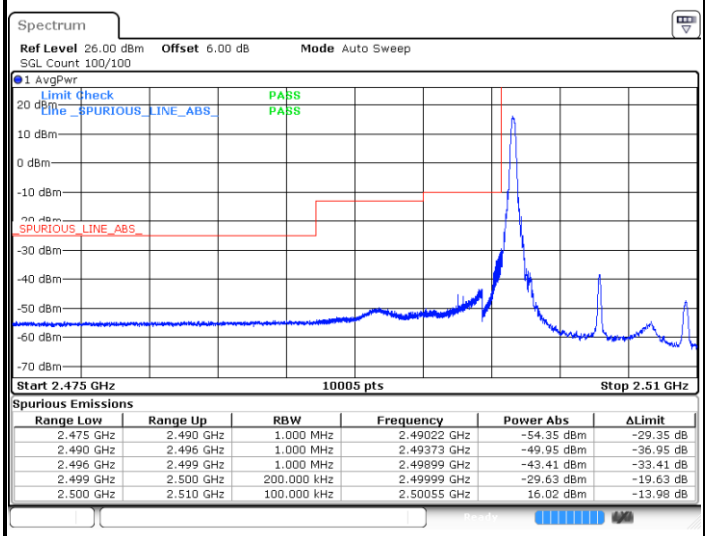
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56115 GHz	3.24 dBm	-26.76 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-26.30 dBm	-16.30 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57134 GHz	-24.56 dBm	-14.56 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57513 GHz	-26.93 dBm	-13.93 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58009 GHz	-36.53 dBm	-11.53 dB

Date: 7.JAN.2023 01:55:42

LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

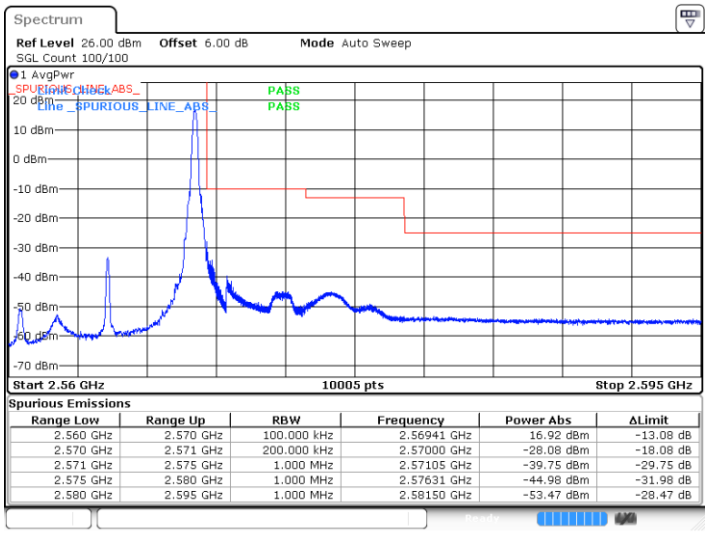


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-54.35 dBm	-29.35 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49373 GHz	-49.95 dBm	-36.95 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-43.41 dBm	-33.41 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-29.63 dBm	-19.63 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50055 GHz	16.02 dBm	-13.98 dB

Date: 7.JAN.2023 01:34:24

Highest Band Edge / 1 RB

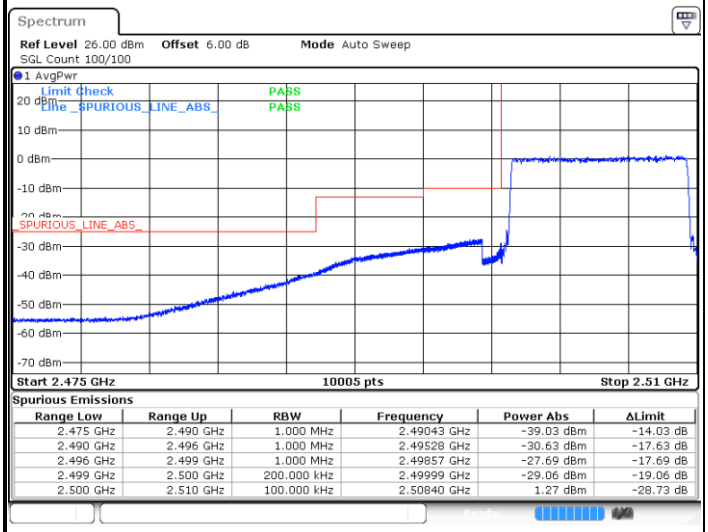


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	16.92 dBm	-13.08 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-28.08 dBm	-18.08 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-39.75 dBm	-29.75 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57631 GHz	-44.98 dBm	-31.98 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58150 GHz	-53.47 dBm	-28.47 dB

Date: 7.JAN.2023 01:52:18

Lowest Band Edge / Full RB

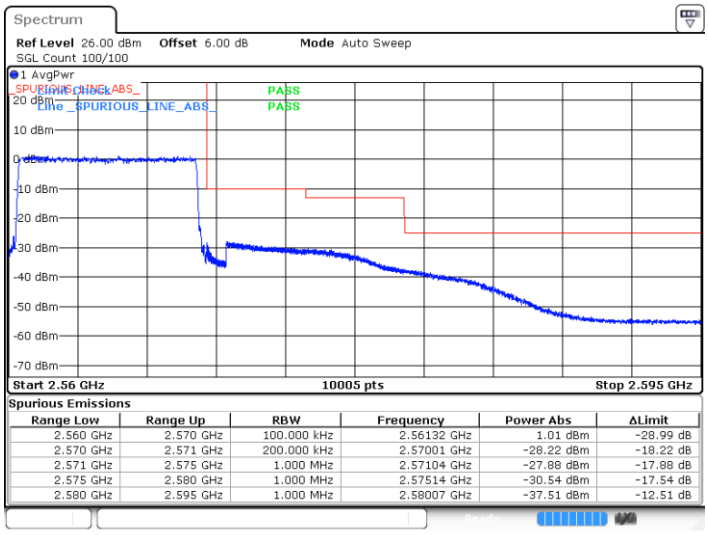


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-39.03 dBm	-14.03 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49528 GHz	-30.63 dBm	-17.63 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49857 GHz	-27.69 dBm	-17.69 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-29.06 dBm	-19.06 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50840 GHz	1.27 dBm	-28.73 dB

Date: 7.JAN.2023 01:37:53

Highest Band Edge / Full RB



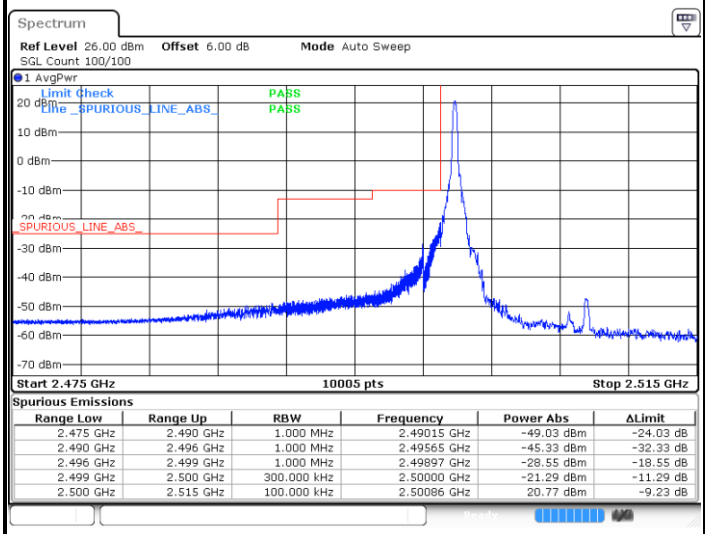
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56132 GHz	1.01 dBm	-28.99 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-28.22 dBm	-18.22 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-27.88 dBm	-17.88 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57514 GHz	-30.54 dBm	-17.54 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58007 GHz	-37.51 dBm	-12.51 dB

Date: 7.JAN.2023 01:54:01

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

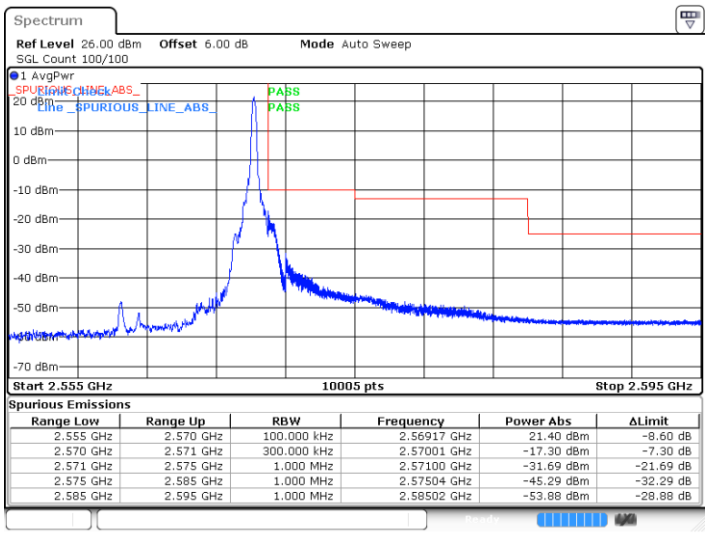


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49015 GHz	-49.03 dBm	-24.03 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49565 GHz	-45.33 dBm	-32.33 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-28.55 dBm	-18.55 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-21.29 dBm	-11.29 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50086 GHz	20.77 dBm	-9.23 dB

Date: 7.JAN.2023 02:02:04

Highest Band Edge / 1 RB

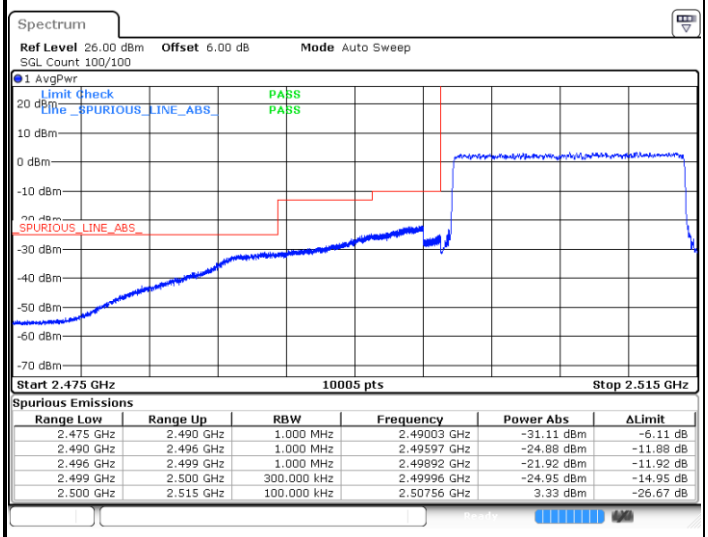


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	21.40 dBm	-8.60 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-17.30 dBm	-7.30 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-31.69 dBm	-21.69 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57504 GHz	-45.29 dBm	-32.29 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58502 GHz	-53.88 dBm	-28.88 dB

Date: 7.JAN.2023 02:21:11

Lowest Band Edge / Full RB

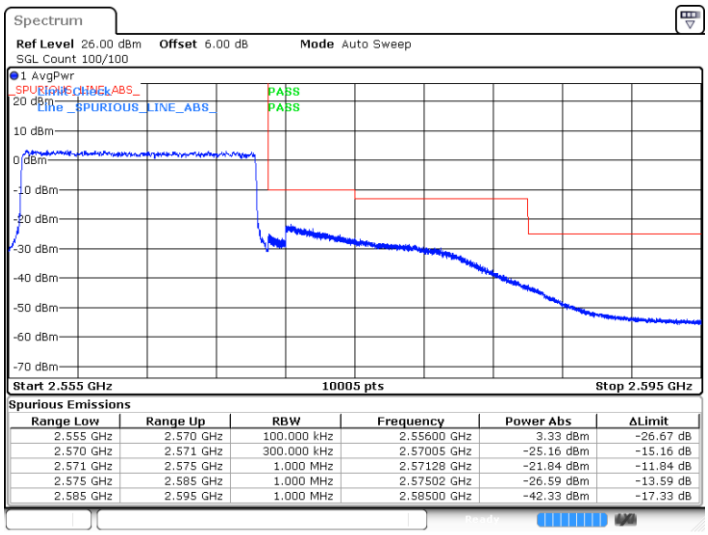


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49003 GHz	-31.11 dBm	-6.11 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-24.88 dBm	-11.88 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-21.92 dBm	-11.92 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49996 GHz	-24.95 dBm	-14.95 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50756 GHz	3.33 dBm	-26.67 dB

Date: 7.JAN.2023 02:16:50

Highest Band Edge / Full RB



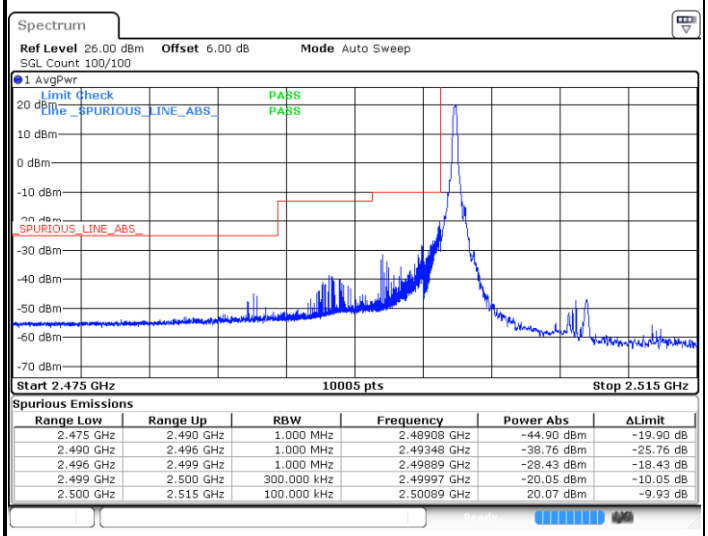
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55600 GHz	3.33 dBm	-26.67 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-25.16 dBm	-15.16 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57128 GHz	-21.84 dBm	-11.84 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57502 GHz	-26.59 dBm	-13.59 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58500 GHz	-42.33 dBm	-17.33 dB

Date: 7.JAN.2023 02:34:28

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

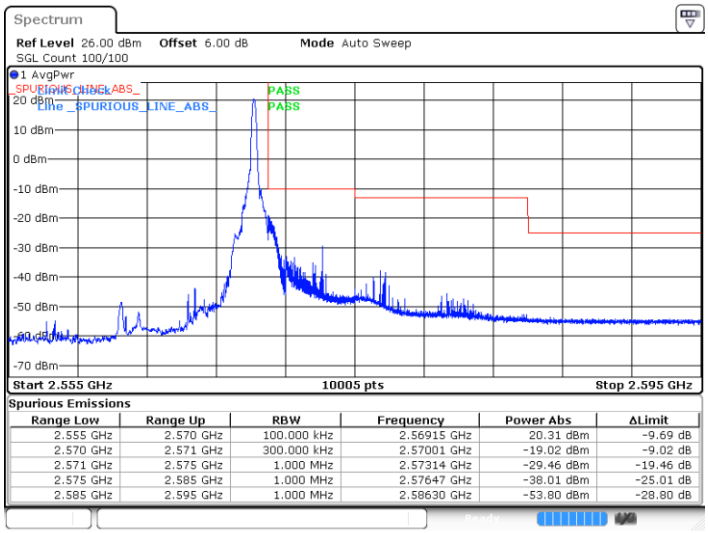


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48908 GHz	-44.90 dBm	-19.90 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49348 GHz	-38.76 dBm	-25.76 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49889 GHz	-28.43 dBm	-18.43 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49997 GHz	-20.05 dBm	-10.05 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50089 GHz	20.07 dBm	-9.93 dB

Date: 7.JAN.2023 02:03:45

Highest Band Edge / 1 RB

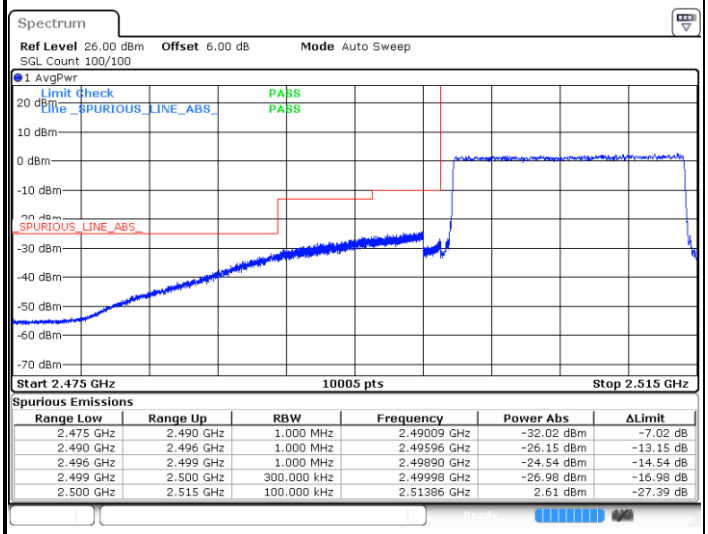


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56915 GHz	20.31 dBm	-9.69 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-19.02 dBm	-9.02 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57314 GHz	-29.46 dBm	-19.46 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57647 GHz	-38.01 dBm	-25.01 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58630 GHz	-53.80 dBm	-28.80 dB

Date: 7.JAN.2023 02:22:51

Lowest Band Edge / Full RB

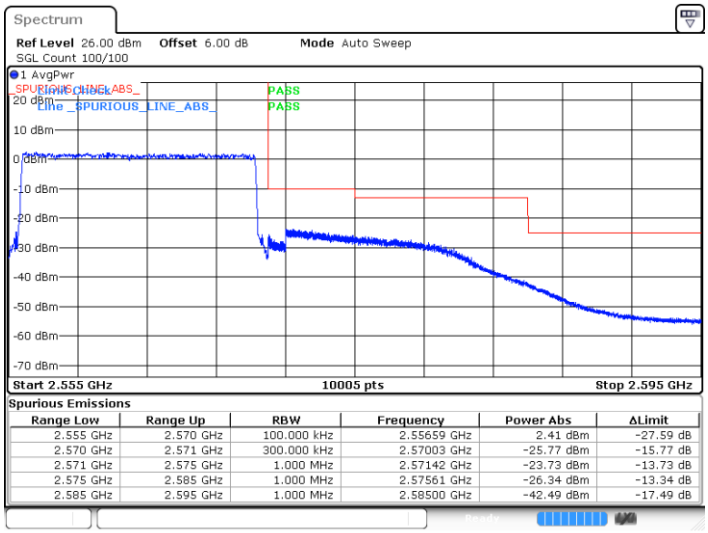


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49009 GHz	-32.02 dBm	-7.02 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-26.15 dBm	-13.15 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-24.54 dBm	-14.54 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-26.98 dBm	-16.98 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51386 GHz	2.61 dBm	-27.39 dB

Date: 7.JAN.2023 02:15:10

Highest Band Edge / Full RB



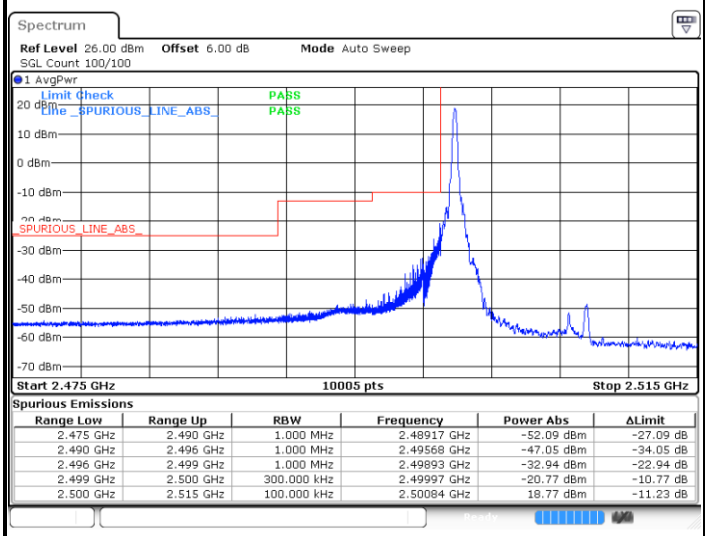
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55659 GHz	2.41 dBm	-27.59 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57003 GHz	-25.77 dBm	-15.77 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57142 GHz	-23.73 dBm	-13.73 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57561 GHz	-26.34 dBm	-13.34 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58500 GHz	-42.49 dBm	-17.49 dB

Date: 7.JAN.2023 02:32:48

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

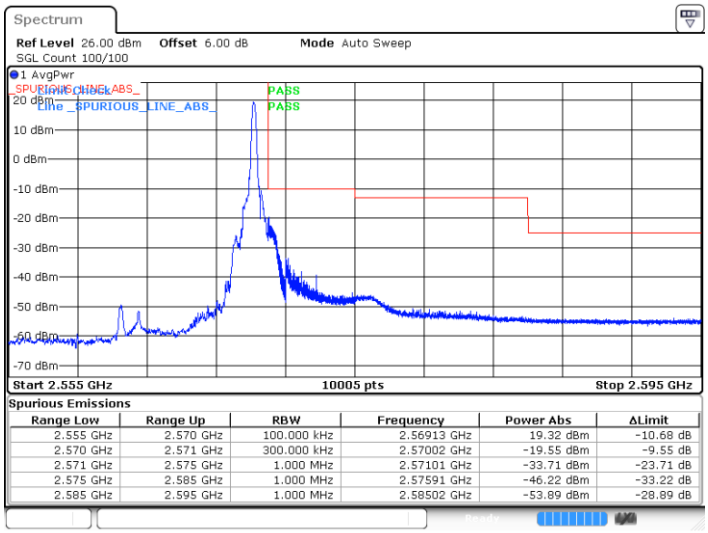


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48917 GHz	-52.09 dBm	-27.09 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49568 GHz	-47.05 dBm	-34.05 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49893 GHz	-32.94 dBm	-22.94 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49997 GHz	-20.77 dBm	-10.77 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	18.77 dBm	-11.23 dB

Date: 7.JAN.2023 02:05:26

Highest Band Edge / 1 RB

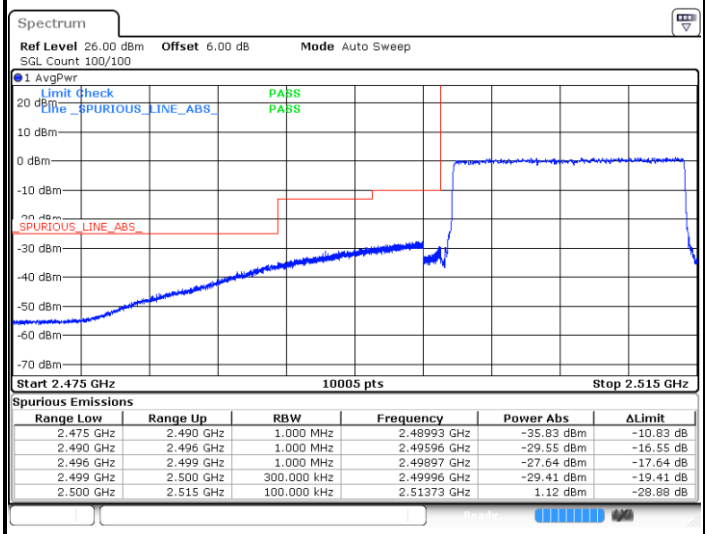


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56913 GHz	19.32 dBm	-10.68 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-19.55 dBm	-9.55 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-33.71 dBm	-23.71 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57591 GHz	-46.22 dBm	-33.22 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58502 GHz	-53.89 dBm	-28.89 dB

Date: 7.JAN.2023 02:24:31

Lowest Band Edge / Full RB

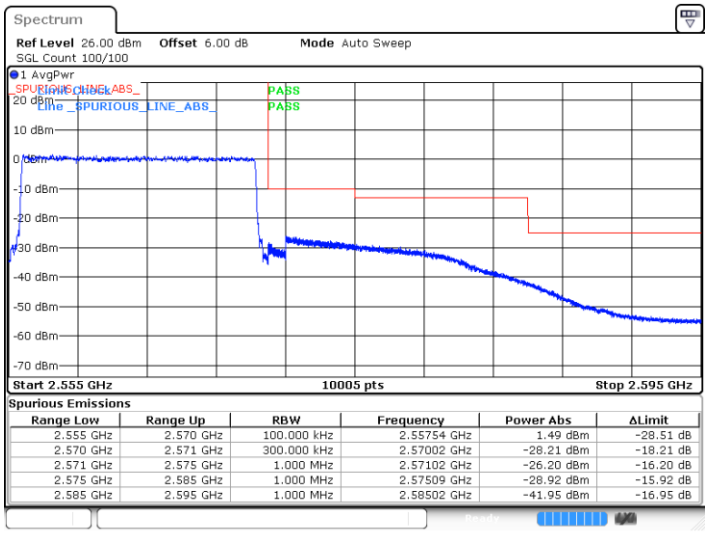


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48993 GHz	-35.83 dBm	-10.83 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-29.55 dBm	-16.55 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-27.64 dBm	-17.64 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49996 GHz	-29.41 dBm	-19.41 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51373 GHz	1.12 dBm	-28.88 dB

Date: 7.JAN.2023 02:13:29

Highest Band Edge / Full RB



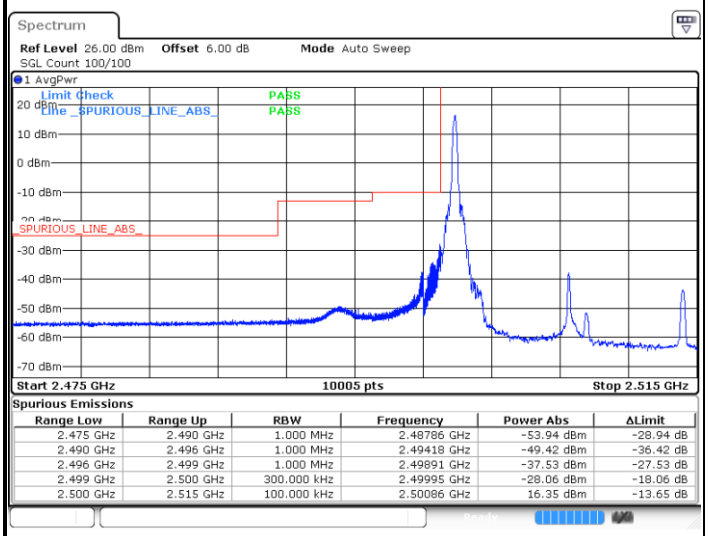
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55754 GHz	1.49 dBm	-28.51 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-28.21 dBm	-18.21 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-26.20 dBm	-16.20 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57509 GHz	-28.92 dBm	-15.92 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58502 GHz	-41.95 dBm	-16.95 dB

Date: 7.JAN.2023 02:31:07

LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

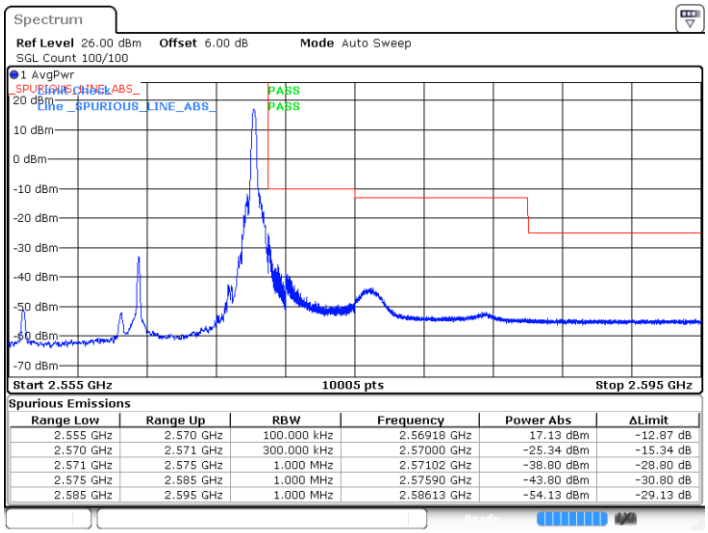


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48786 GHz	-53.94 dBm	-28.94 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49418 GHz	-49.42 dBm	-36.42 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-37.53 dBm	-27.53 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49995 GHz	-28.06 dBm	-18.06 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50086 GHz	16.35 dBm	-13.65 dB

Date: 7.JAN.2023 02:07:07

Highest Band Edge / 1 RB

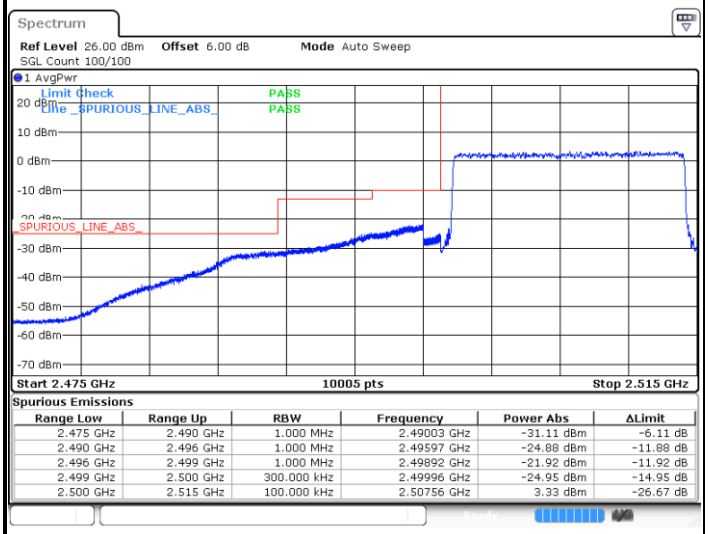


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56918 GHz	17.13 dBm	-12.87 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-25.34 dBm	-15.34 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-38.80 dBm	-28.80 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57590 GHz	-43.80 dBm	-30.80 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58613 GHz	-54.13 dBm	-29.13 dB

Date: 7.JAN.2023 02:26:12

Lowest Band Edge / Full RB

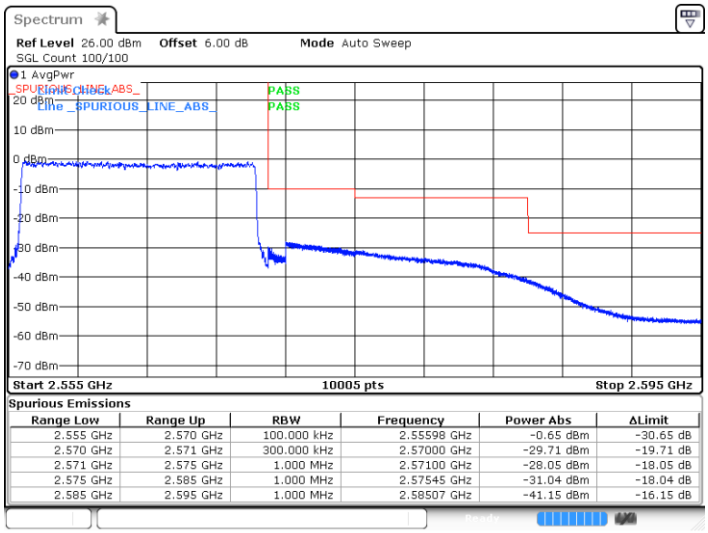


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49003 GHz	-31.11 dBm	-6.11 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-24.88 dBm	-11.88 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-21.92 dBm	-11.92 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49996 GHz	-24.95 dBm	-14.95 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50756 GHz	3.33 dBm	-26.67 dB

Date: 7.JAN.2023 02:16:50

Highest Band Edge / Full RB



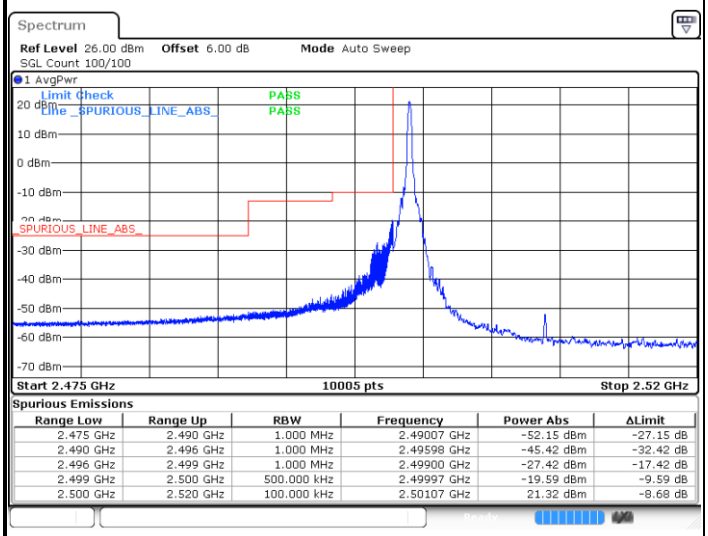
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55598 GHz	-0.65 dBm	-30.65 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-29.71 dBm	-19.71 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-28.05 dBm	-18.05 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57545 GHz	-31.04 dBm	-18.04 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58507 GHz	-41.15 dBm	-16.15 dB

Date: 7.JAN.2023 02:29:27

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

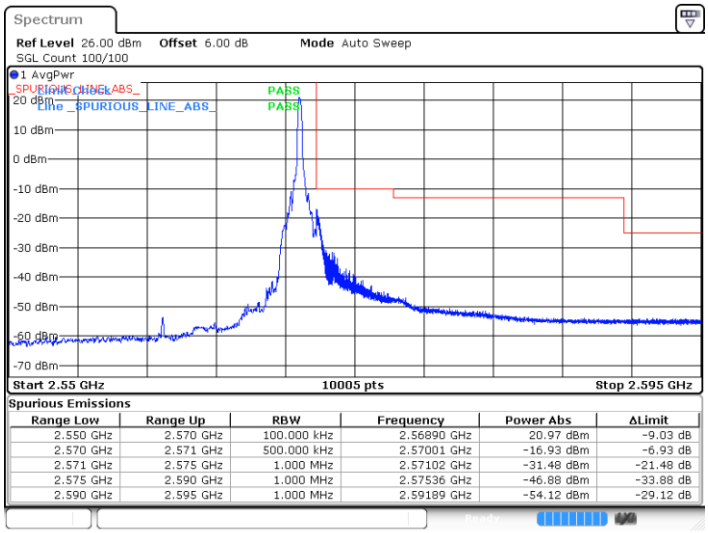


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49007 GHz	-52.15 dBm	-27.15 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-45.42 dBm	-32.42 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-27.42 dBm	-17.42 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-19.59 dBm	-9.59 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50107 GHz	21.32 dBm	-8.68 dB

Date: 7.JAN.2023 02:37:29

Highest Band Edge / 1 RB

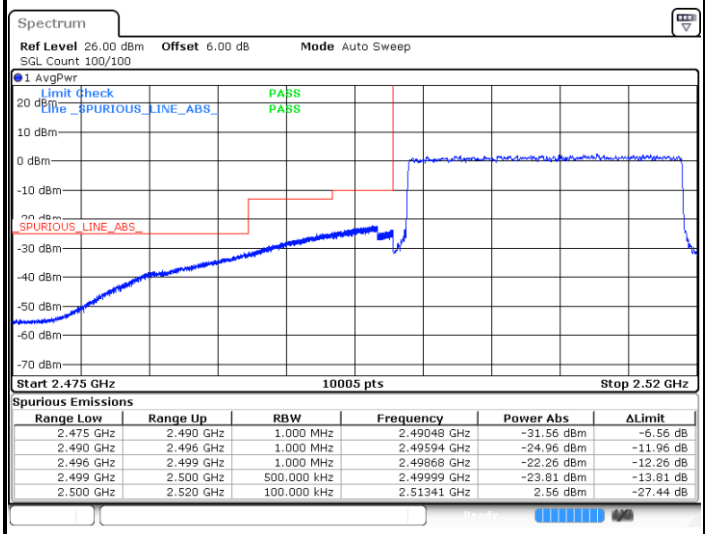


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56890 GHz	20.97 dBm	-9.03 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-16.93 dBm	-6.93 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-31.48 dBm	-21.48 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57536 GHz	-46.88 dBm	-33.88 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59189 GHz	-54.12 dBm	-29.12 dB

Date: 7.JAN.2023 02:53:34

Lowest Band Edge / Full RB

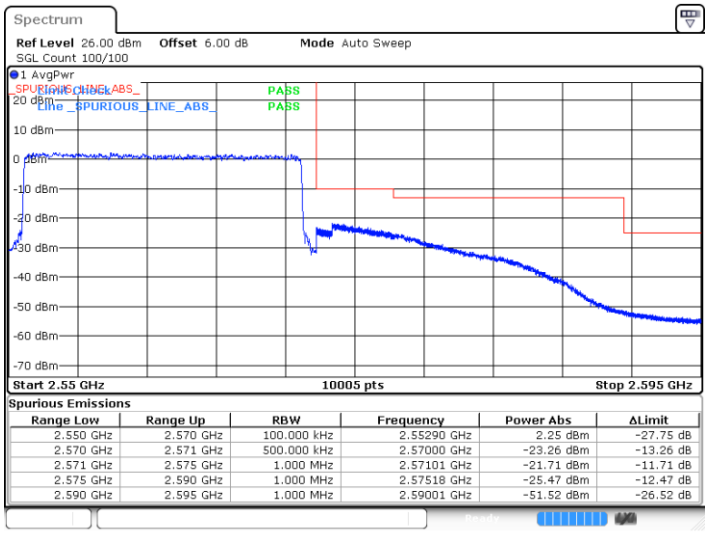


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-31.56 dBm	-6.56 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-24.96 dBm	-11.96 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49868 GHz	-22.26 dBm	-12.26 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-23.81 dBm	-13.81 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51341 GHz	2.56 dBm	-27.44 dB

Date: 7.JAN.2023 02:49:14

Highest Band Edge / Full RB



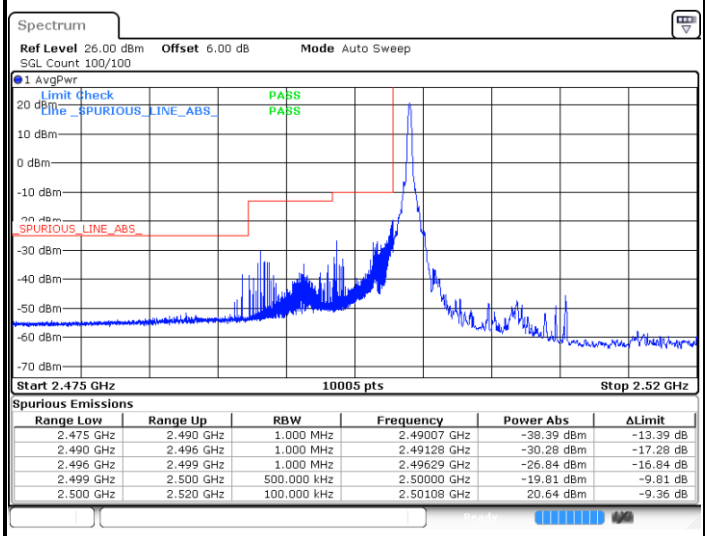
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55290 GHz	2.25 dBm	-27.75 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-23.26 dBm	-13.26 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-21.71 dBm	-11.71 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57518 GHz	-25.47 dBm	-12.47 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59001 GHz	-51.52 dBm	-26.52 dB

Date: 7.JAN.2023 03:01:57

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

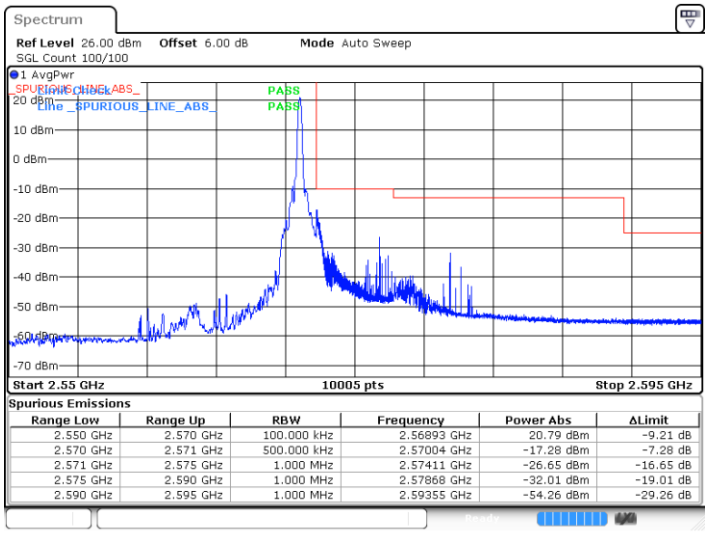


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49007 GHz	-38.39 dBm	-13.39 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49128 GHz	-30.28 dBm	-17.28 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49629 GHz	-26.84 dBm	-16.84 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000 GHz	-19.81 dBm	-9.81 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50108 GHz	20.64 dBm	-9.36 dB

Date: 7.JAN.2023 02:39:09

Highest Band Edge / 1 RB

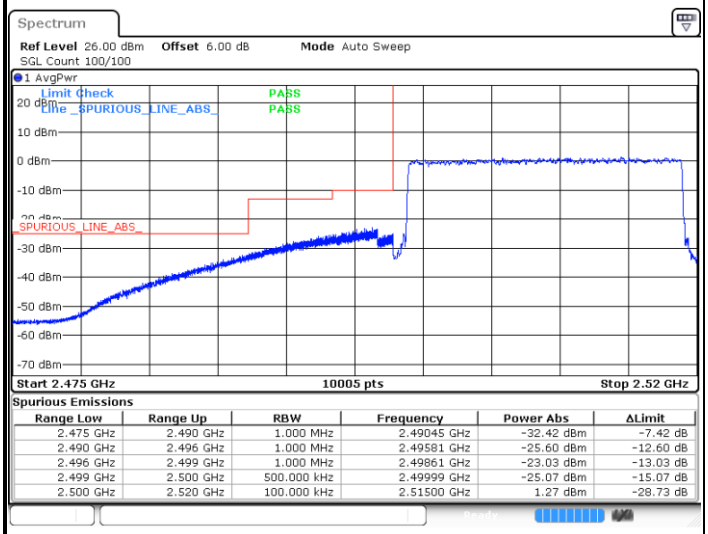


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	20.79 dBm	-9.21 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57004 GHz	-17.28 dBm	-7.28 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57411 GHz	-26.65 dBm	-16.65 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57868 GHz	-32.01 dBm	-19.01 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59355 GHz	-54.26 dBm	-29.26 dB

Date: 7.JAN.2023 02:55:14

Lowest Band Edge / Full RB

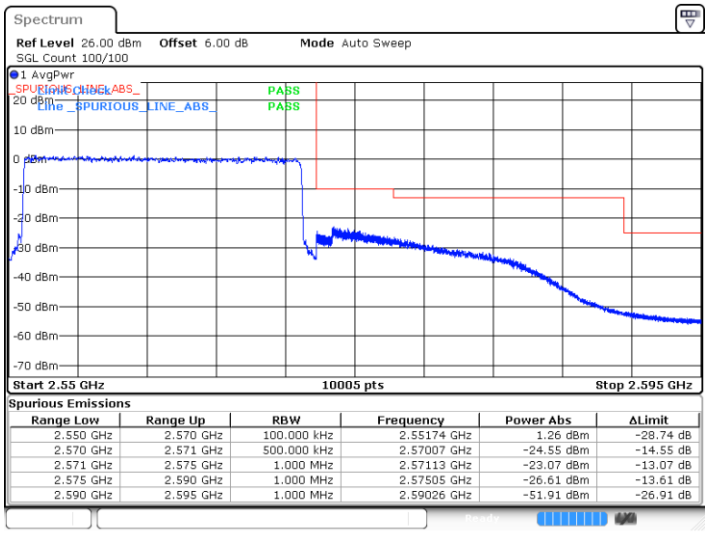


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-32.42 dBm	-7.42 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49581 GHz	-25.60 dBm	-12.60 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49861 GHz	-23.03 dBm	-13.03 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-25.07 dBm	-15.07 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51500 GHz	1.27 dBm	-28.73 dB

Date: 7.JAN.2023 02:47:33

Highest Band Edge / Full RB



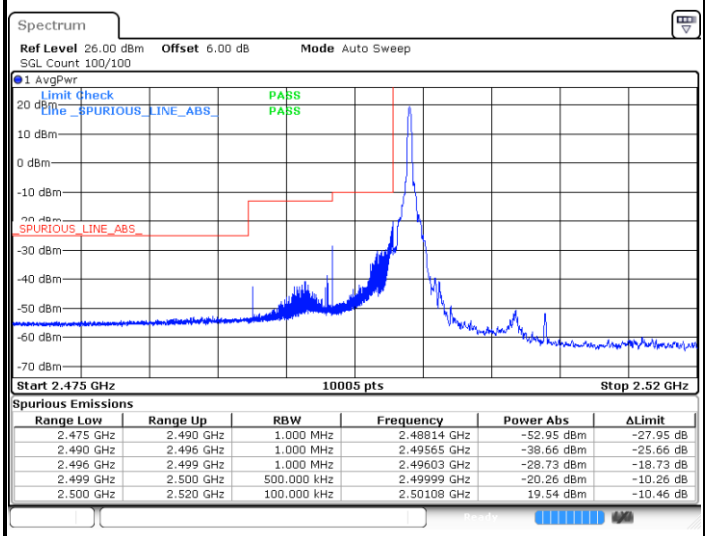
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55174 GHz	1.26 dBm	-28.74 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57007 GHz	-24.55 dBm	-14.55 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-23.07 dBm	-13.07 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57505 GHz	-26.61 dBm	-13.61 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59026 GHz	-51.91 dBm	-26.91 dB

Date: 7.JAN.2023 03:00:16

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

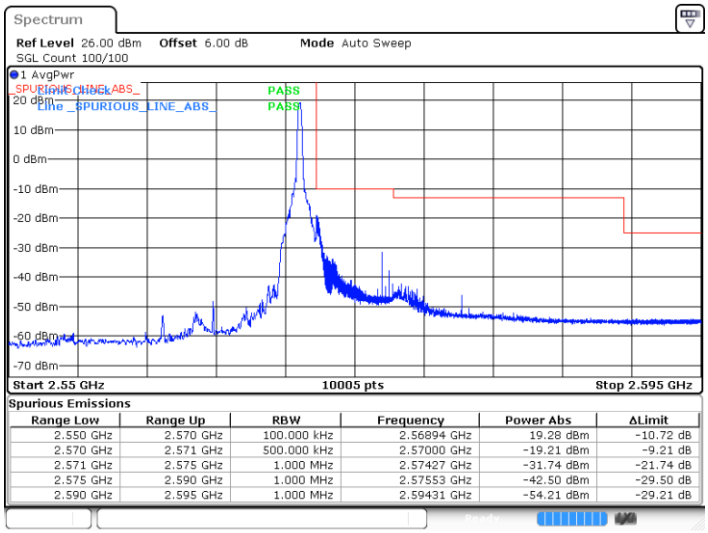


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48814 GHz	-52.95 dBm	-27.95 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49565 GHz	-38.66 dBm	-25.66 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49603 GHz	-28.73 dBm	-18.73 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-20.26 dBm	-10.26 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50108 GHz	19.54 dBm	-10.46 dB

Date: 7.JAN.2023 02:40:50

Highest Band Edge / 1 RB

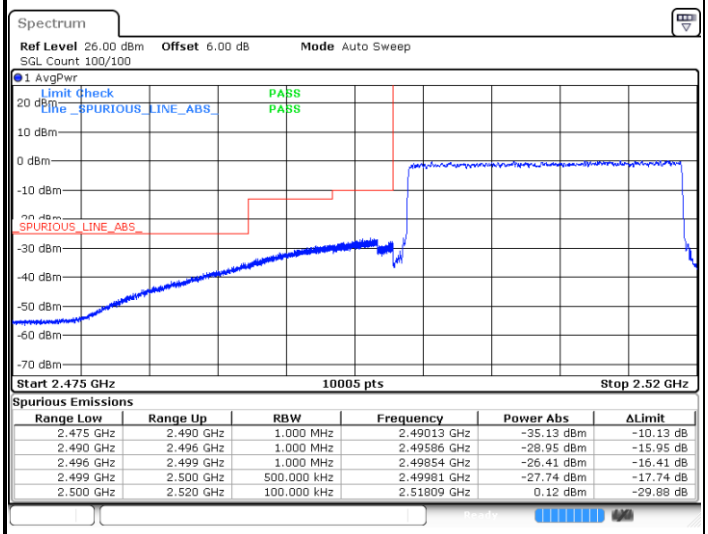


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	19.28 dBm	-10.72 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-19.21 dBm	-9.21 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57427 GHz	-31.74 dBm	-21.74 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57553 GHz	-42.50 dBm	-29.50 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59431 GHz	-54.21 dBm	-29.21 dB

Date: 7.JAN.2023 02:56:55

Lowest Band Edge / Full RB

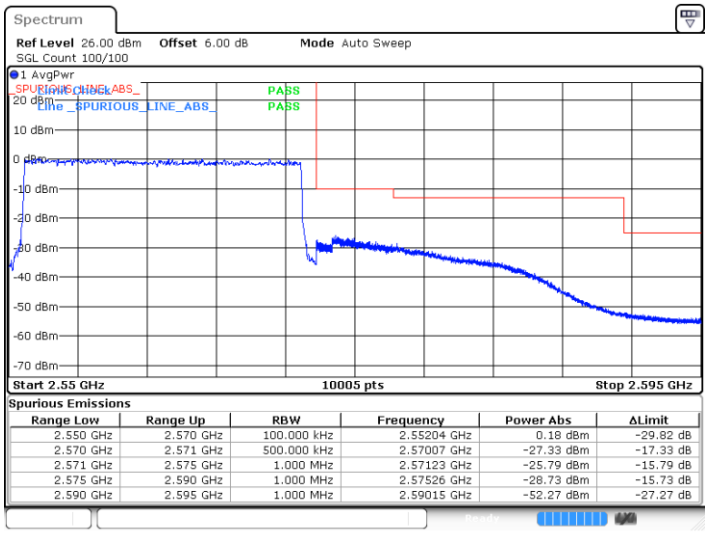


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49013 GHz	-35.13 dBm	-10.13 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49586 GHz	-28.95 dBm	-15.95 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49854 GHz	-26.41 dBm	-16.41 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49981 GHz	-27.74 dBm	-17.74 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51809 GHz	0.12 dBm	-29.88 dB

Date: 7.JAN.2023 02:45:52

Highest Band Edge / Full RB



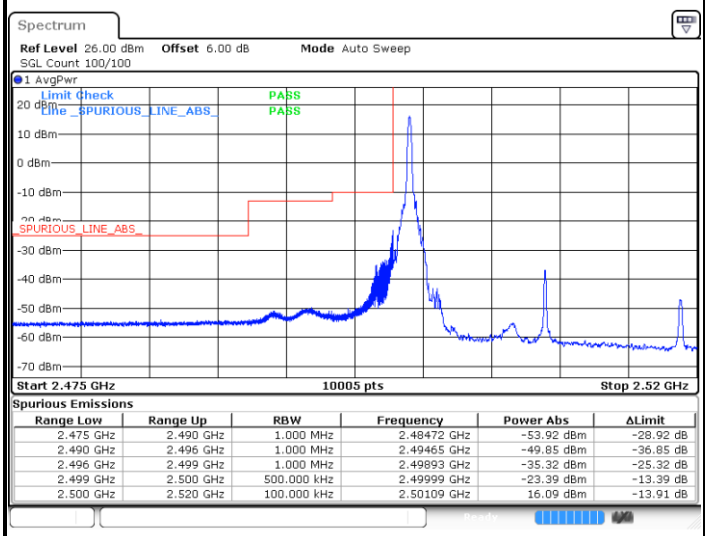
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55204 GHz	0.18 dBm	-29.82 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57007 GHz	-27.33 dBm	-17.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57123 GHz	-25.79 dBm	-15.79 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57526 GHz	-28.73 dBm	-15.73 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59015 GHz	-52.27 dBm	-27.27 dB

Date: 7.JAN.2023 02:58:35

LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

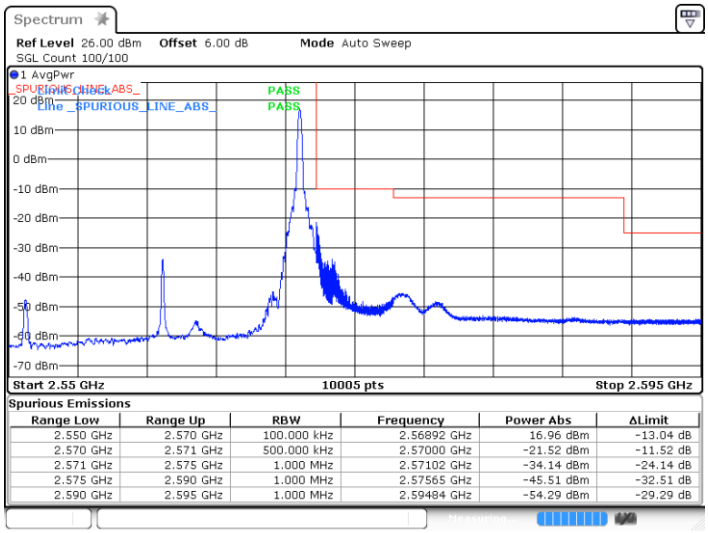


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48472 GHz	-53.92 dBm	-28.92 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49465 GHz	-49.85 dBm	-36.85 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49893 GHz	-35.32 dBm	-25.32 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-23.39 dBm	-13.39 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	16.09 dBm	-13.91 dB

Date: 7.JAN.2023 02:42:31

Highest Band Edge / 1 RB

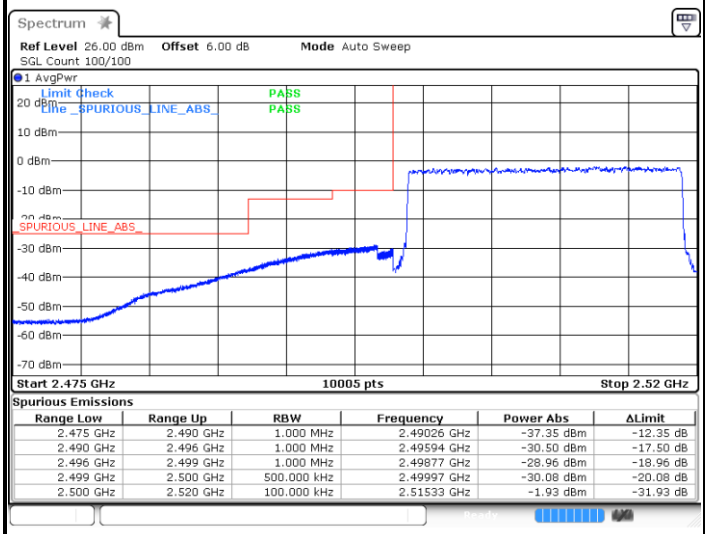


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	16.96 dBm	-13.04 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-21.52 dBm	-11.52 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-34.14 dBm	-24.14 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57565 GHz	-45.51 dBm	-32.51 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59484 GHz	-54.29 dBm	-29.29 dB

Date: 7.JAN.2023 03:11:58

Lowest Band Edge / Full RB

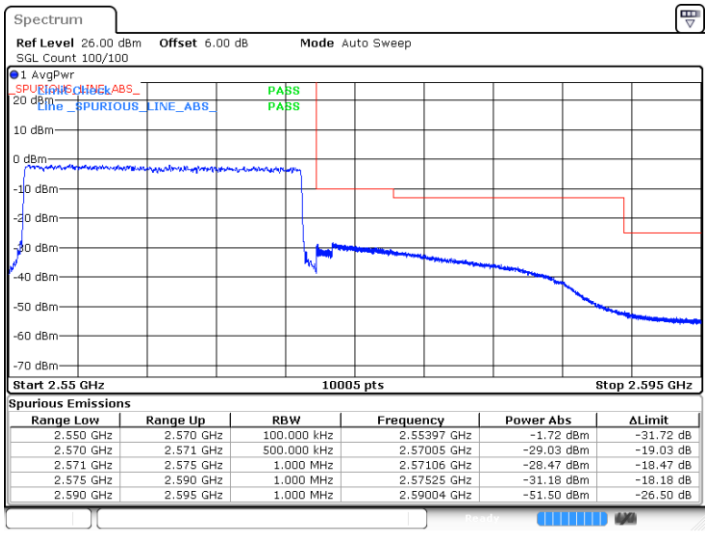


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49026 GHz	-37.35 dBm	-12.35 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-30.50 dBm	-17.50 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49877 GHz	-28.96 dBm	-18.96 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49997 GHz	-30.08 dBm	-20.08 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51533 GHz	-1.93 dBm	-31.93 dB

Date: 7.JAN.2023 02:44:12

Highest Band Edge / Full RB



Spurious Emissions

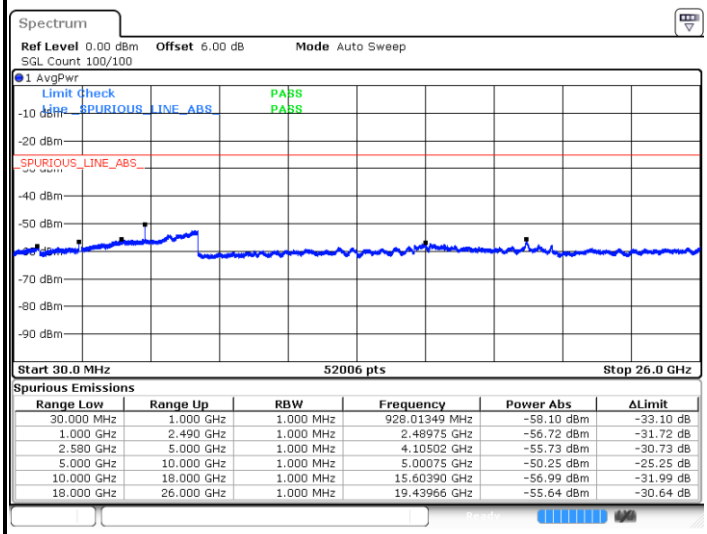
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55397 GHz	-1.72 dBm	-31.72 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57005 GHz	-29.03 dBm	-19.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-28.47 dBm	-18.47 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57525 GHz	-31.18 dBm	-18.18 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59004 GHz	-51.50 dBm	-26.50 dB

Date: 7.JAN.2023 03:10:57

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

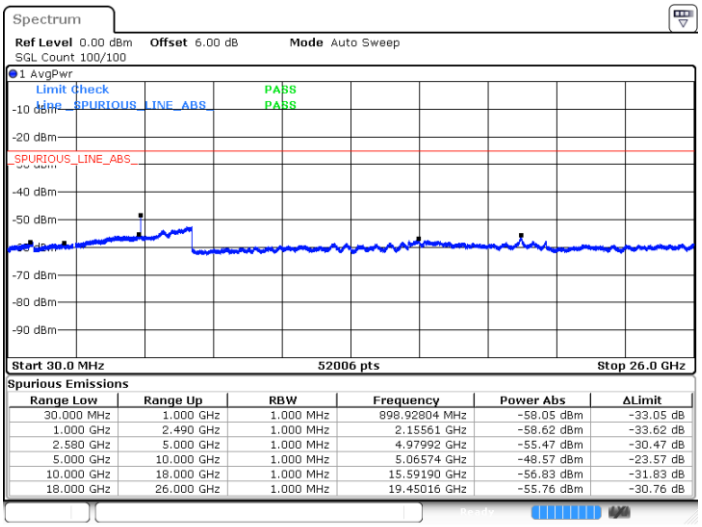


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-58.10 dBm	-33.10 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-56.72 dBm	-31.72 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.10502 GHz	-55.73 dBm	-30.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00075 GHz	-50.25 dBm	-25.25 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.60390 GHz	-56.99 dBm	-31.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.43966 GHz	-55.64 dBm	-30.64 dB

Date: 7.JAN.2023 00:56:40

Middle Channel / QPSK

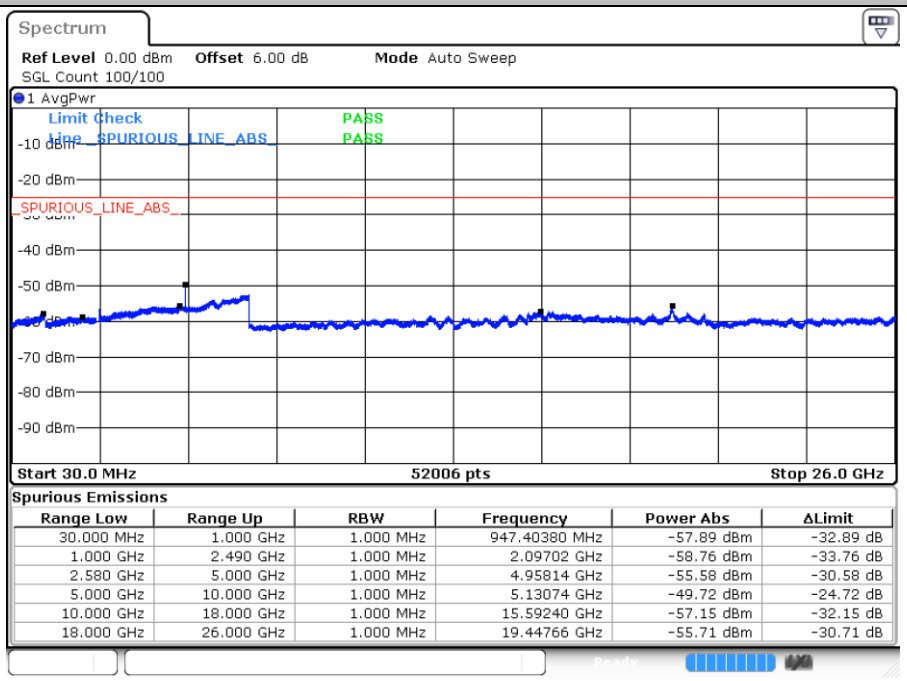


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.92804 MHz	-58.05 dBm	-33.05 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15561 GHz	-58.62 dBm	-33.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97992 GHz	-55.47 dBm	-30.47 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06574 GHz	-48.57 dBm	-23.57 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59190 GHz	-56.83 dBm	-31.83 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.45016 GHz	-55.76 dBm	-30.76 dB

Date: 7.JAN.2023 01:11:32

Highest Channel / QPSK



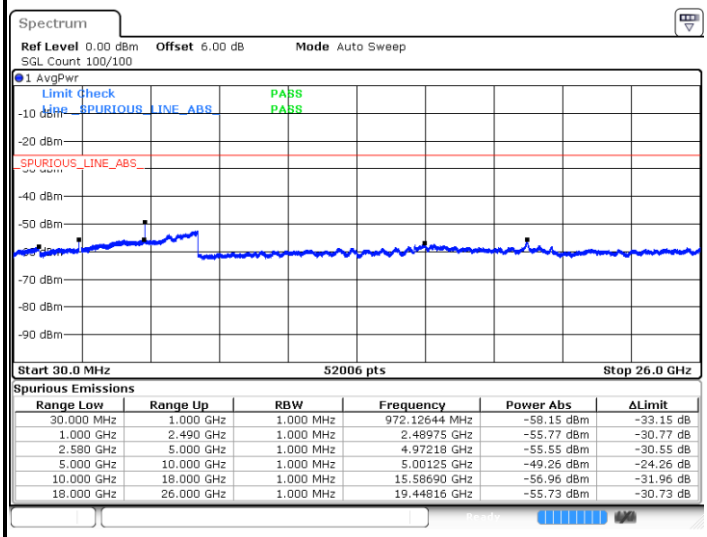
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-57.89 dBm	-32.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.09702 GHz	-58.76 dBm	-33.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95814 GHz	-55.58 dBm	-30.58 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.13074 GHz	-49.72 dBm	-24.72 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59240 GHz	-57.15 dBm	-32.15 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44766 GHz	-55.71 dBm	-30.71 dB

Date: 7.JAN.2023 01:12:51

LTE Band 7 / 10MHz

Lowest Channel / QPSK

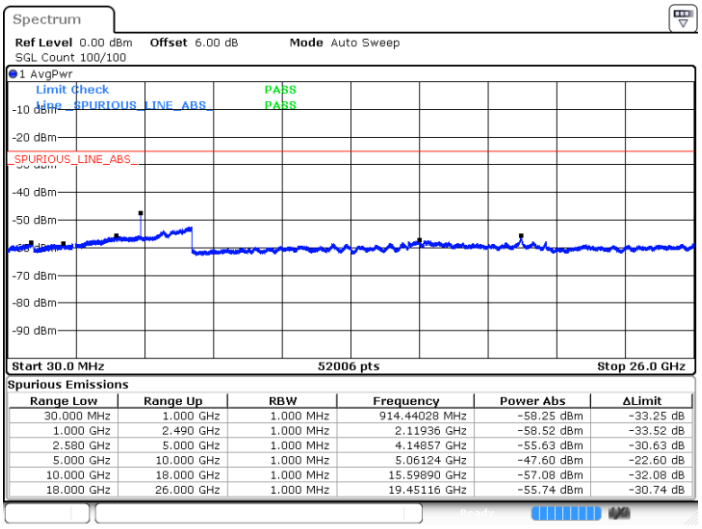


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-58.15 dBm	-33.15 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-55.77 dBm	-30.77 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97218 GHz	-55.55 dBm	-30.55 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00125 GHz	-49.26 dBm	-24.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.58690 GHz	-56.96 dBm	-31.96 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44816 GHz	-55.73 dBm	-30.73 dB

Date: 7.JAN.2023 01:27:42

Middle Channel / QPSK

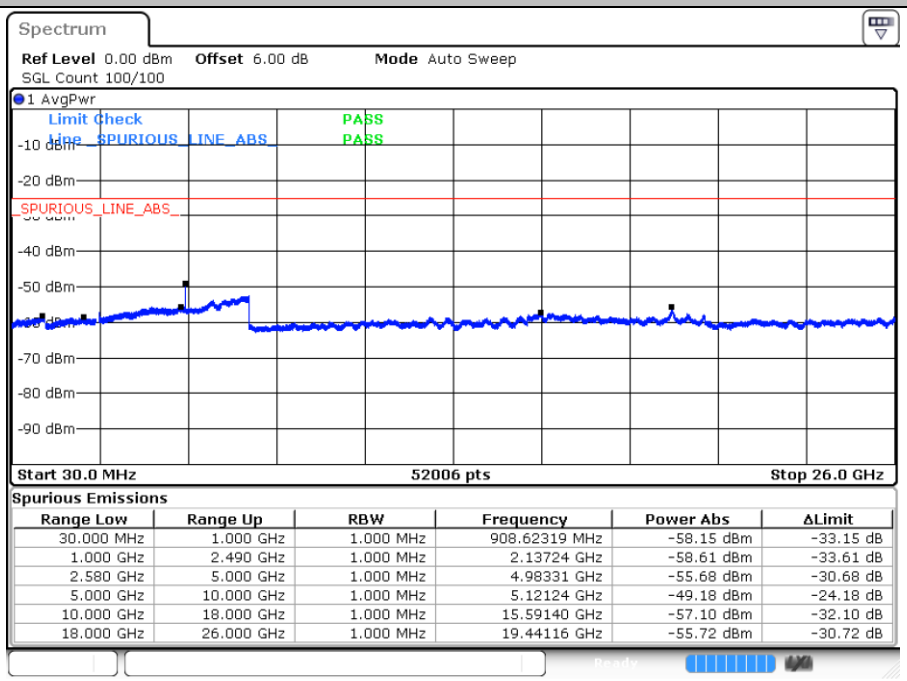


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-58.25 dBm	-33.25 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11936 GHz	-58.52 dBm	-33.52 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.14857 GHz	-55.63 dBm	-30.63 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06124 GHz	-47.60 dBm	-22.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59890 GHz	-57.08 dBm	-32.08 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.45116 GHz	-55.74 dBm	-30.74 dB

Date: 7.JAN.2023 01:44:16

Highest Channel / QPSK



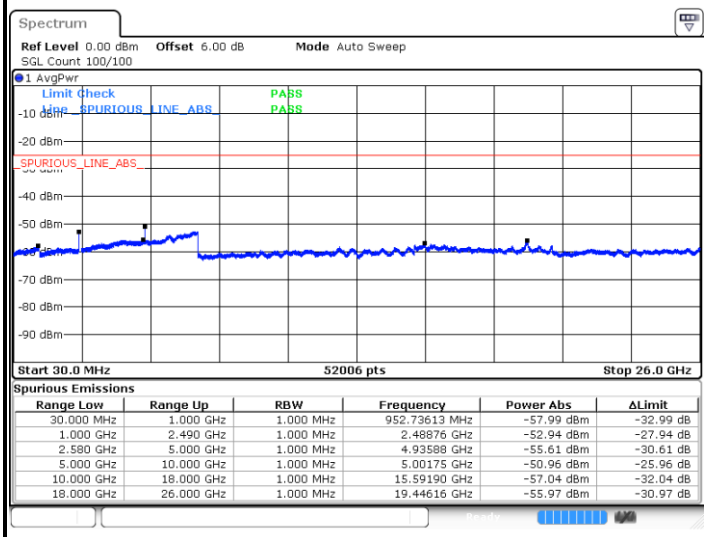
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-58.15 dBm	-33.15 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.13724 GHz	-58.61 dBm	-33.61 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98331 GHz	-55.68 dBm	-30.68 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.12124 GHz	-49.18 dBm	-24.18 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59140 GHz	-57.10 dBm	-32.10 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44116 GHz	-55.72 dBm	-30.72 dB

Date: 7.JAN.2023 01:45:36

LTE Band 7 / 15MHz

Lowest Channel / QPSK

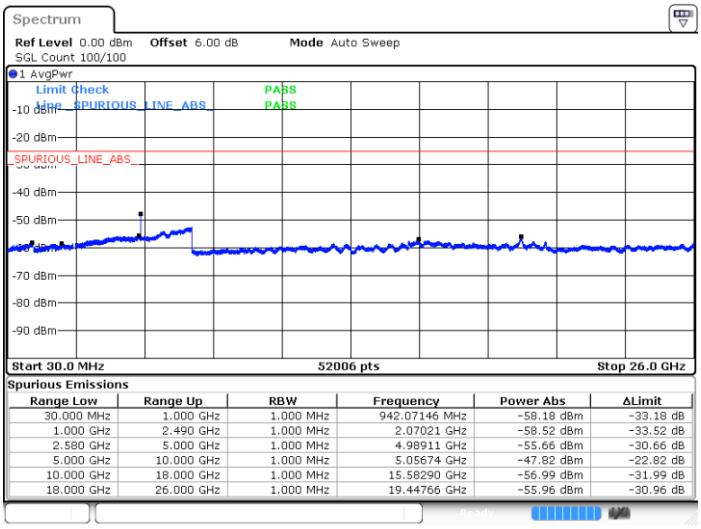


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-57.99 dBm	-32.99 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-52.94 dBm	-27.94 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93588 GHz	-55.61 dBm	-30.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00175 GHz	-50.96 dBm	-25.96 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59190 GHz	-57.04 dBm	-32.04 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44616 GHz	-55.97 dBm	-30.97 dB

Date: 7.JAN.2023 02:00:23

Middle Channel / QPSK

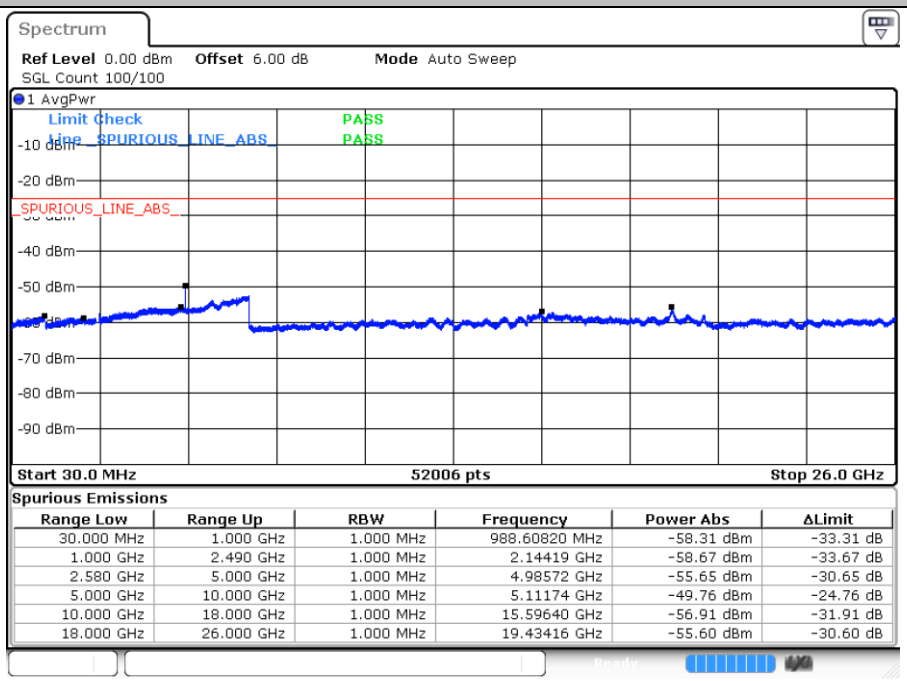


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-58.18 dBm	-33.18 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.07021 GHz	-58.52 dBm	-33.52 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98911 GHz	-55.66 dBm	-30.66 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05674 GHz	-47.82 dBm	-22.82 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.58290 GHz	-56.99 dBm	-31.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44766 GHz	-55.96 dBm	-30.96 dB

Date: 7.JAN.2023 02:18:10

Highest Channel / QPSK



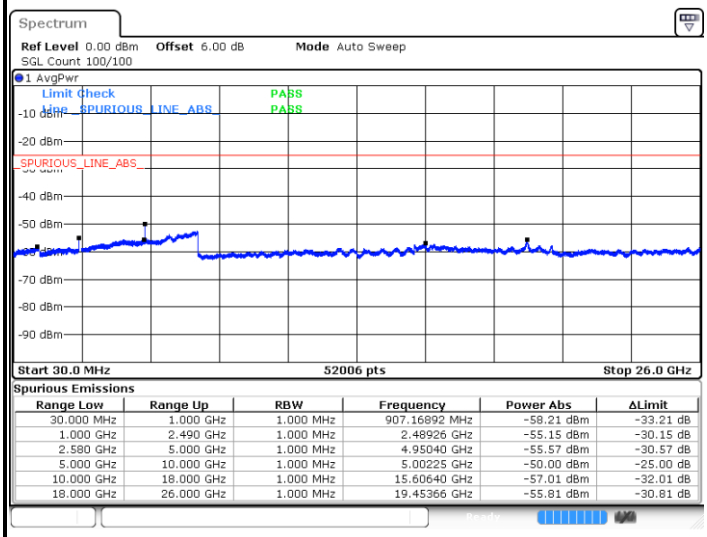
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-58.31 dBm	-33.31 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.14419 GHz	-58.67 dBm	-33.67 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98572 GHz	-55.65 dBm	-30.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11174 GHz	-49.76 dBm	-24.76 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59640 GHz	-56.91 dBm	-31.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.43416 GHz	-55.60 dBm	-30.60 dB

Date: 7.JAN.2023 02:19:30

LTE Band 7 / 20MHz

Lowest Channel / QPSK

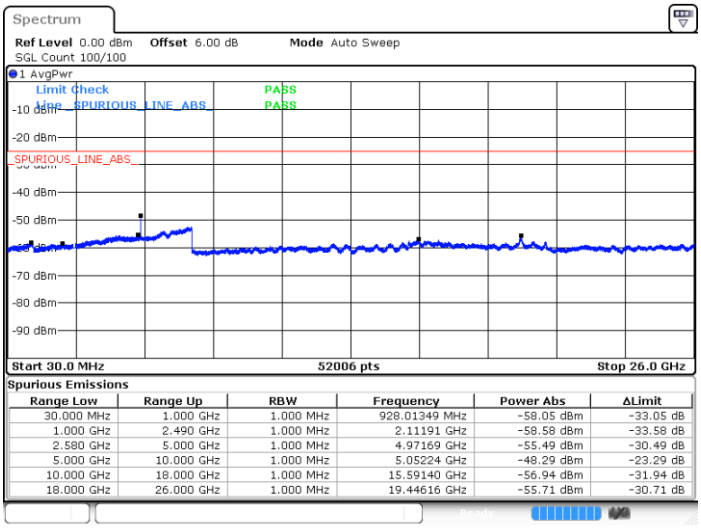


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-58.21 dBm	-33.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-55.15 dBm	-30.15 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95040 GHz	-55.57 dBm	-30.57 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-50.00 dBm	-25.00 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.60640 GHz	-57.01 dBm	-32.01 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.45366 GHz	-55.81 dBm	-30.81 dB

Date: 7.JAN.2023 02:35:48

Middle Channel / QPSK

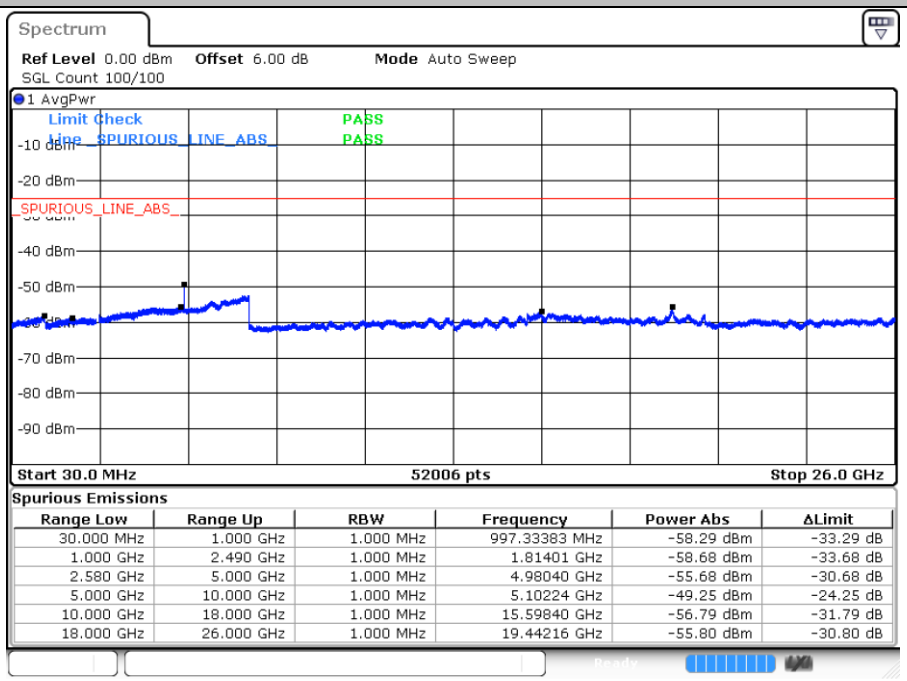


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-58.05 dBm	-33.05 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11191 GHz	-58.58 dBm	-33.58 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97169 GHz	-55.49 dBm	-30.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-48.29 dBm	-23.29 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59140 GHz	-56.94 dBm	-31.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44616 GHz	-55.71 dBm	-30.71 dB

Date: 7.JAN.2023 02:50:33

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-58.29 dBm	-33.29 dB
1.000 GHz	2.490 GHz	1.000 MHz	1.81401 GHz	-58.68 dBm	-33.68 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98040 GHz	-55.68 dBm	-30.68 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-49.25 dBm	-24.25 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.59840 GHz	-56.79 dBm	-31.79 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.44216 GHz	-55.80 dBm	-30.80 dB

Date: 7.JAN.2023 02:51:53

Frequency Stability

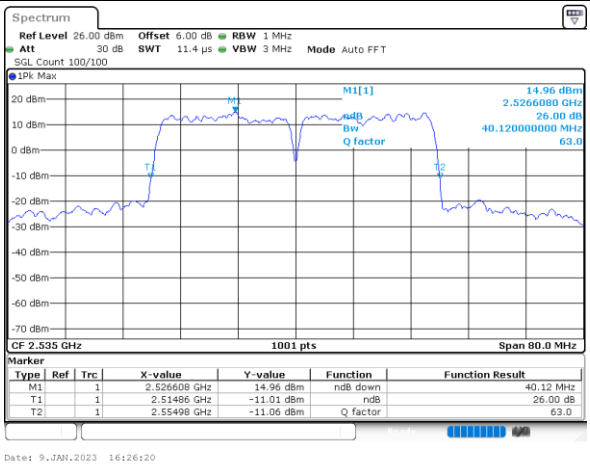
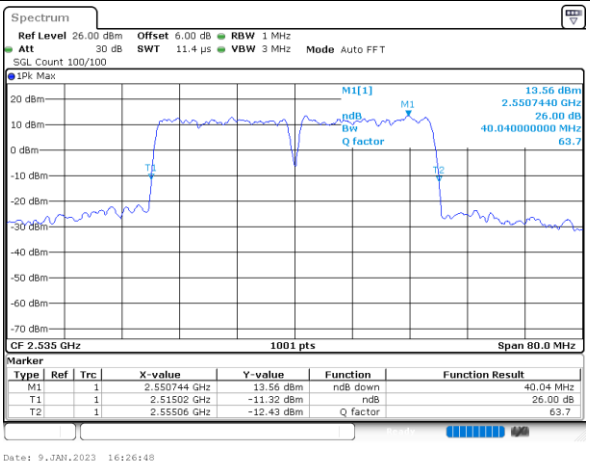
Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	40.12	40.04

LTE Band 7C	
Middle Channel / 20MHz+20MHz / QPSK	Middle Channel / 20MHz+20MHz / 16QAM