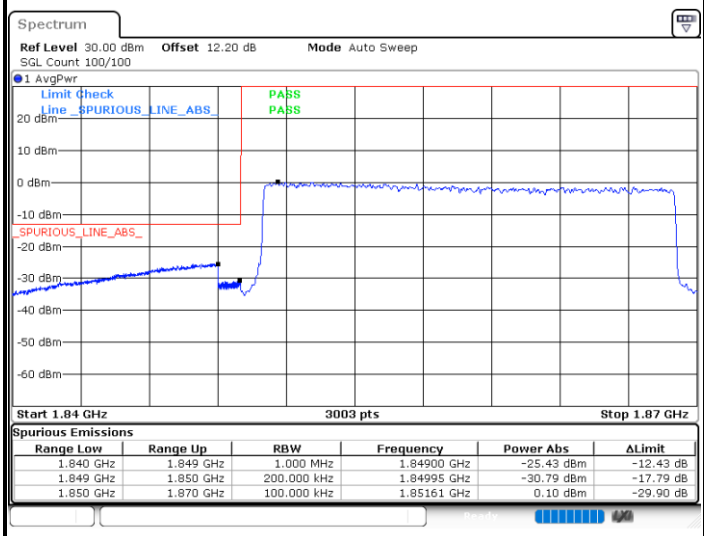
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / Full RB

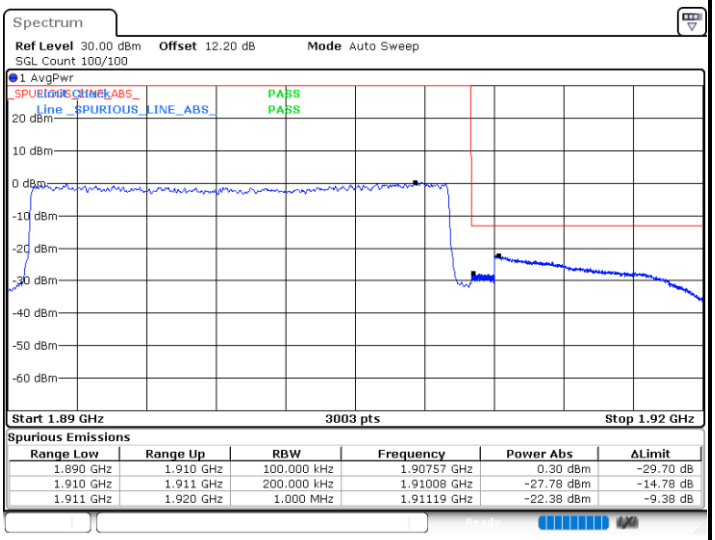


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-25.43 dBm	-12.43 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84995 GHz	-30.79 dBm	-17.79 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85161 GHz	0.10 dBm	-29.90 dB

Date: 25.MAR.2024 12:13:13

Highest Band Edge / Full RB



Spurious Emissions

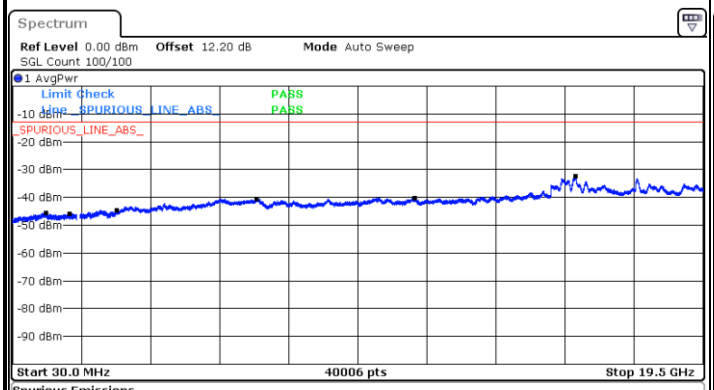
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90757 GHz	0.30 dBm	-29.70 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91008 GHz	-27.78 dBm	-14.78 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91119 GHz	-22.38 dBm	-9.38 dB

Date: 25.MAR.2024 12:16:34

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

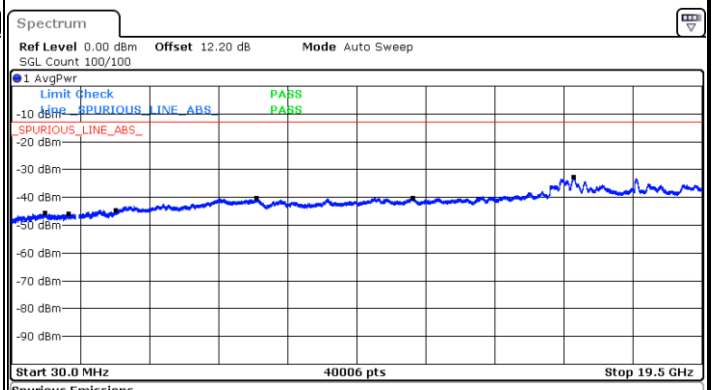


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-45.61 dBm	-32.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62570 GHz	-45.78 dBm	-32.78 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95915 GHz	-44.59 dBm	-31.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90742 GHz	-40.42 dBm	-27.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.35596 GHz	-40.16 dBm	-27.16 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89203 GHz	-32.53 dBm	-19.53 dB

Date: 25.MAR.2024 10:25:06

Middle Channel / QPSK

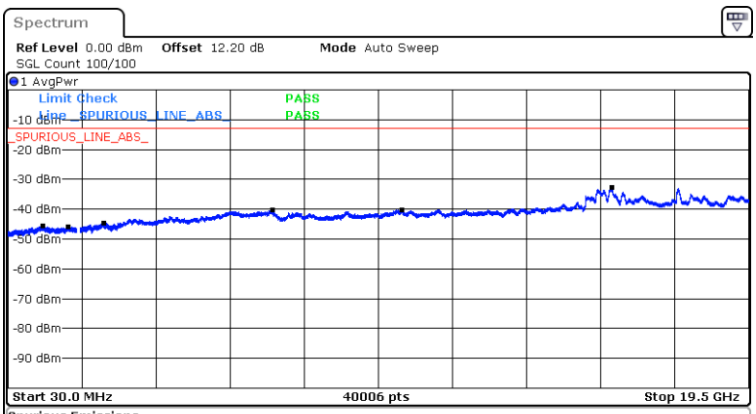


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-45.67 dBm	-32.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63325 GHz	-45.77 dBm	-32.77 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95340 GHz	-44.52 dBm	-31.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93942 GHz	-40.38 dBm	-27.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.33446 GHz	-40.19 dBm	-27.19 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.87053 GHz	-32.60 dBm	-19.60 dB

Date: 25.MAR.2024 10:30:32

Highest Channel / QPSK



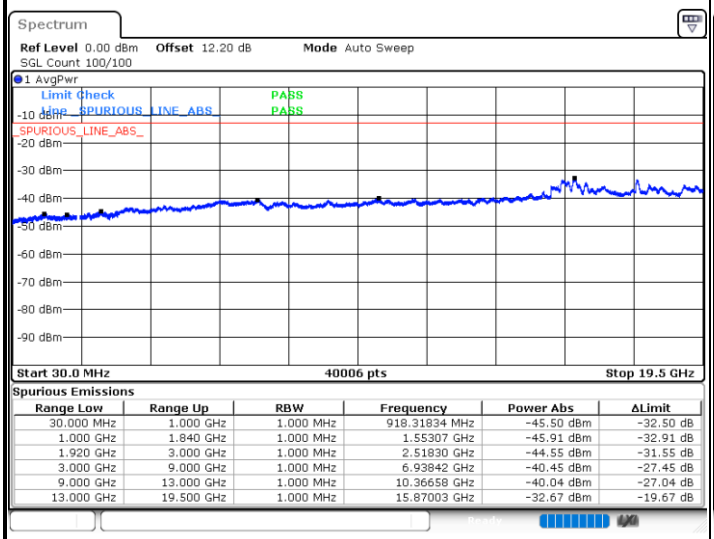
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-45.61 dBm	-32.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59673 GHz	-45.79 dBm	-32.79 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.55465 GHz	-44.55 dBm	-31.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96842 GHz	-40.31 dBm	-27.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.36908 GHz	-40.20 dBm	-27.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89253 GHz	-32.81 dBm	-19.81 dB

Date: 25.MAR.2024 10:38:45

LTE Band 2 / 3MHz

Lowest Channel / QPSK

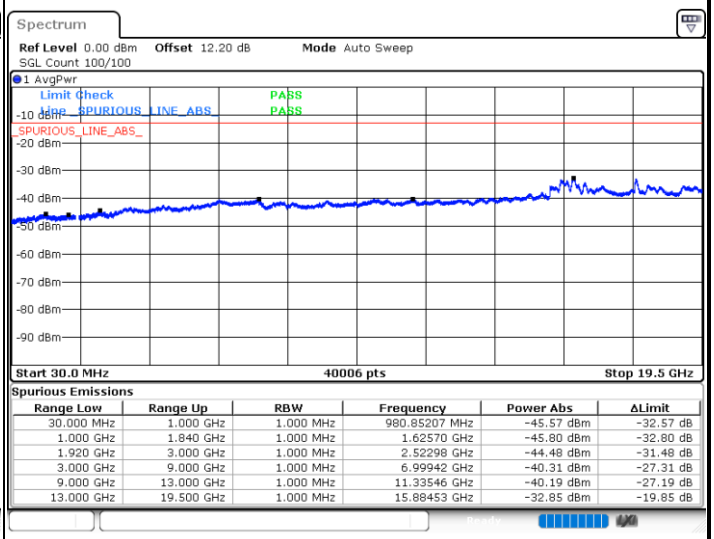


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.31834 MHz	-45.50 dBm	-32.50 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.55307 GHz	-45.91 dBm	-32.91 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51830 GHz	-44.55 dBm	-31.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93842 GHz	-40.45 dBm	-27.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.36658 GHz	-40.04 dBm	-27.04 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.87003 GHz	-32.67 dBm	-19.67 dB

Date: 25.MAR.2024 10:47:20

Middle Channel / QPSK

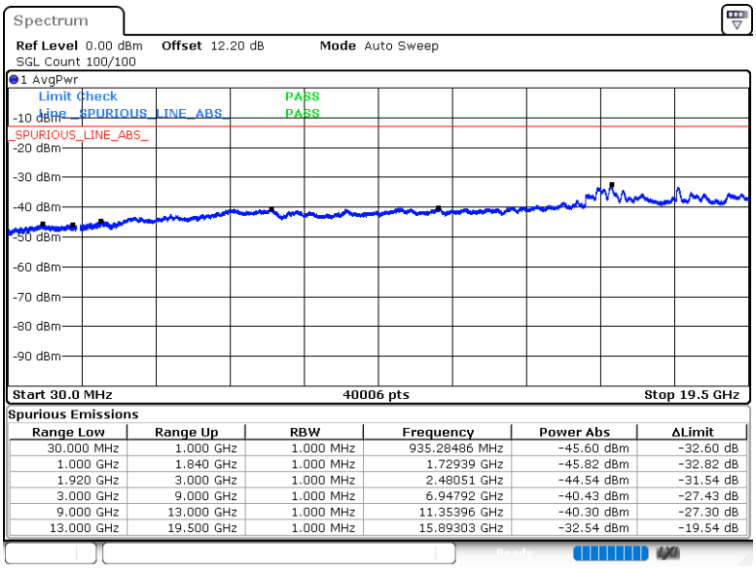


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-45.57 dBm	-32.57 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62570 GHz	-45.80 dBm	-32.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52298 GHz	-44.48 dBm	-31.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-40.31 dBm	-27.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.33546 GHz	-40.19 dBm	-27.19 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88453 GHz	-32.85 dBm	-19.85 dB

Date: 25.MAR.2024 10:49:08

Highest Channel / QPSK



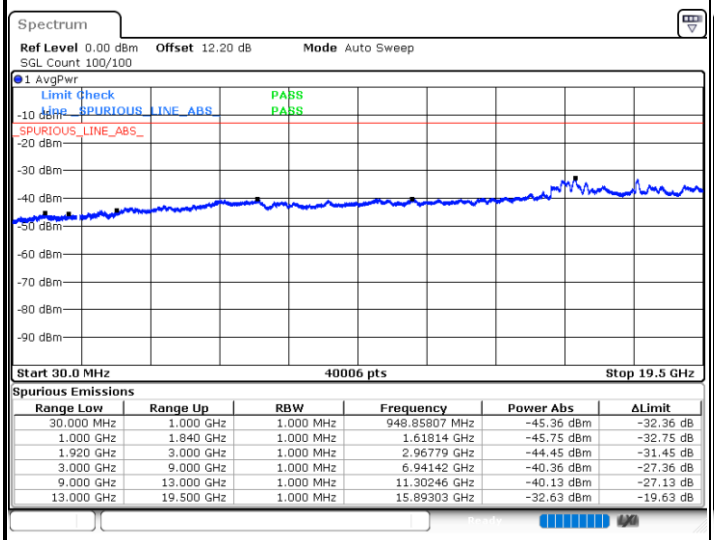
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-45.60 dBm	-32.60 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72939 GHz	-45.82 dBm	-32.82 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.48051 GHz	-44.54 dBm	-31.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94792 GHz	-40.43 dBm	-27.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.35396 GHz	-40.30 dBm	-27.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89303 GHz	-32.54 dBm	-19.54 dB

Date: 25.MAR.2024 10:50:55

LTE Band 2 / 5MHz

Lowest Channel / QPSK

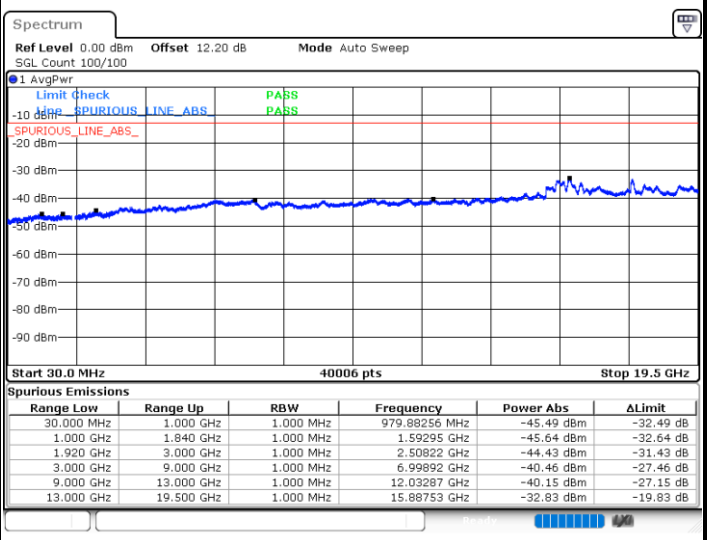


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-45.36 dBm	-32.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61814 GHz	-45.75 dBm	-32.75 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96779 GHz	-44.45 dBm	-31.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94142 GHz	-40.36 dBm	-27.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.30246 GHz	-40.13 dBm	-27.13 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89303 GHz	-32.63 dBm	-19.63 dB

Date: 25.MAR.2024 11:15:10

Middle Channel / QPSK

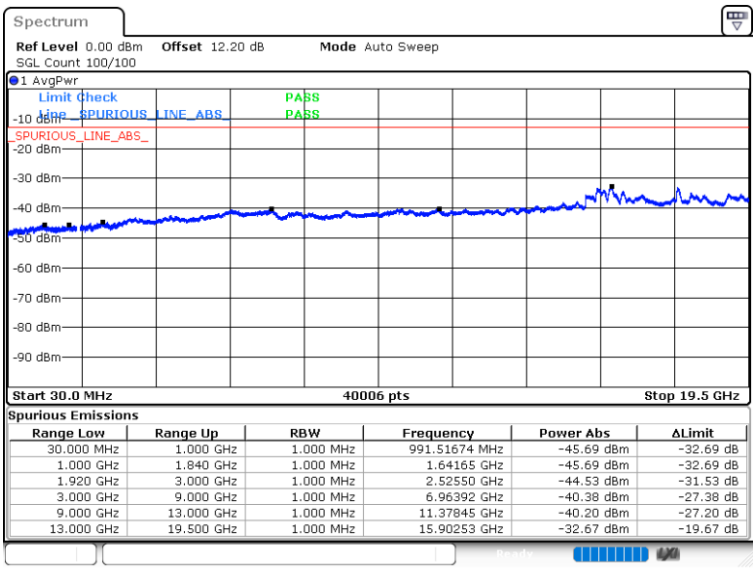


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-45.49 dBm	-32.49 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59295 GHz	-45.64 dBm	-32.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50822 GHz	-44.43 dBm	-31.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-40.46 dBm	-27.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.03287 GHz	-40.15 dBm	-27.15 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88753 GHz	-32.83 dBm	-19.83 dB

Date: 25.MAR.2024 11:16:47

Highest Channel / QPSK



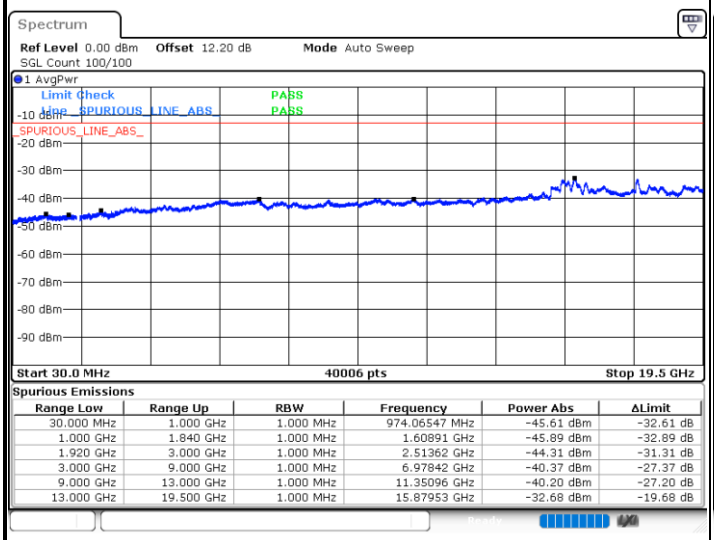
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-45.69 dBm	-32.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64165 GHz	-45.69 dBm	-32.69 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52550 GHz	-44.53 dBm	-31.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96392 GHz	-40.38 dBm	-27.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.37845 GHz	-40.20 dBm	-27.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90253 GHz	-32.67 dBm	-19.67 dB

Date: 25.MAR.2024 11:18:26

LTE Band 2 / 10MHz

Lowest Channel / QPSK

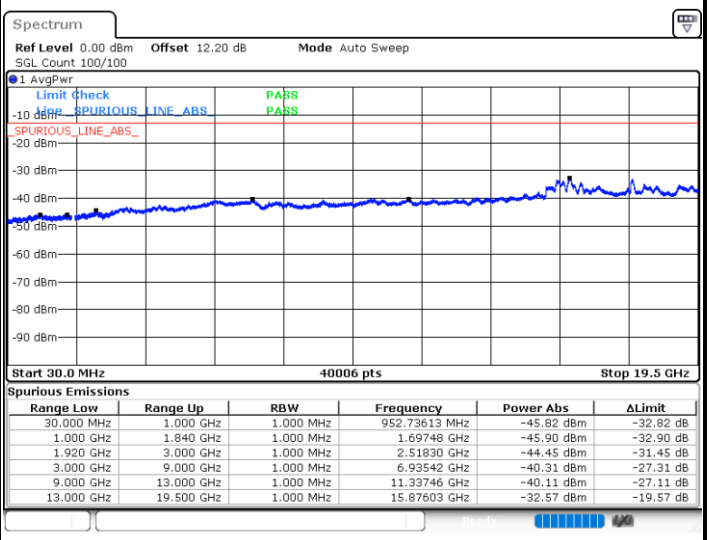


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.06547 MHz	-45.61 dBm	-32.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60891 GHz	-45.89 dBm	-32.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51362 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97842 GHz	-40.37 dBm	-27.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.35096 GHz	-40.20 dBm	-27.20 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.87953 GHz	-32.68 dBm	-19.68 dB

Date: 25.MAR.2024 11:28:53

Middle Channel / QPSK

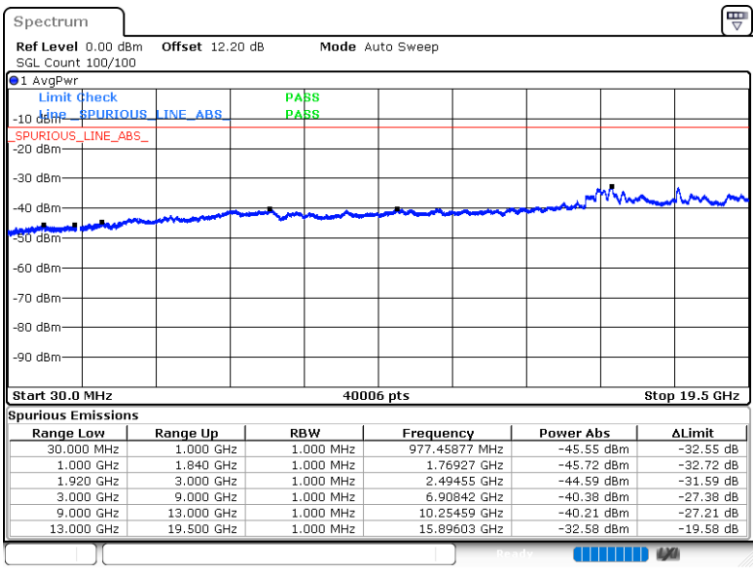


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-45.82 dBm	-32.82 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69748 GHz	-45.90 dBm	-32.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51830 GHz	-44.45 dBm	-31.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93542 GHz	-40.31 dBm	-27.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.33746 GHz	-40.11 dBm	-27.11 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.87603 GHz	-32.57 dBm	-19.57 dB

Date: 25.MAR.2024 11:30:28

Highest Channel / QPSK



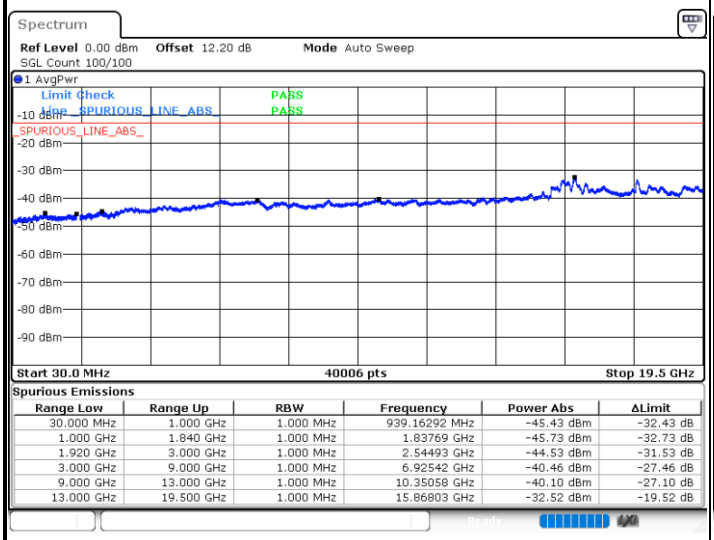
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-45.55 dBm	-32.55 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76927 GHz	-45.72 dBm	-32.72 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49455 GHz	-44.59 dBm	-31.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90842 GHz	-40.38 dBm	-27.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.25459 GHz	-40.21 dBm	-27.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89603 GHz	-32.58 dBm	-19.58 dB

Date: 25.MAR.2024 11:32:18

LTE Band 2 / 15MHz

Lowest Channel / QPSK

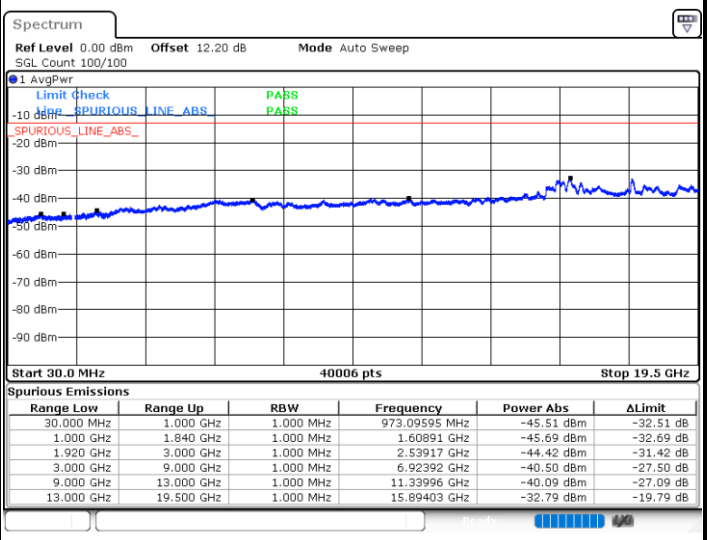


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-45.43 dBm	-32.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-45.73 dBm	-32.73 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.54493 GHz	-44.53 dBm	-31.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92542 GHz	-40.46 dBm	-27.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.35058 GHz	-40.10 dBm	-27.10 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.86803 GHz	-32.52 dBm	-19.52 dB

Date: 25.MAR.2024 11:56:08

Middle Channel / QPSK

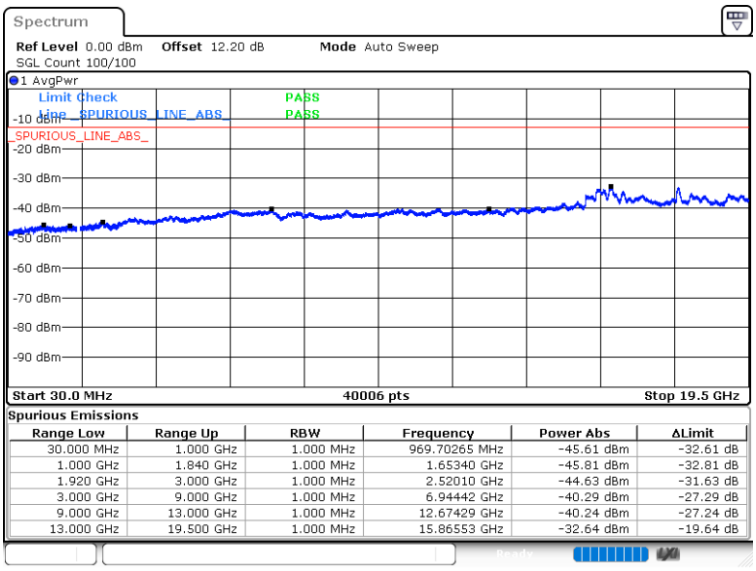


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-45.51 dBm	-32.51 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60891 GHz	-45.69 dBm	-32.69 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.53917 GHz	-44.42 dBm	-31.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92392 GHz	-40.50 dBm	-27.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.33996 GHz	-40.09 dBm	-27.09 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89403 GHz	-32.79 dBm	-19.79 dB

Date: 25.MAR.2024 11:58:03

Highest Channel / QPSK



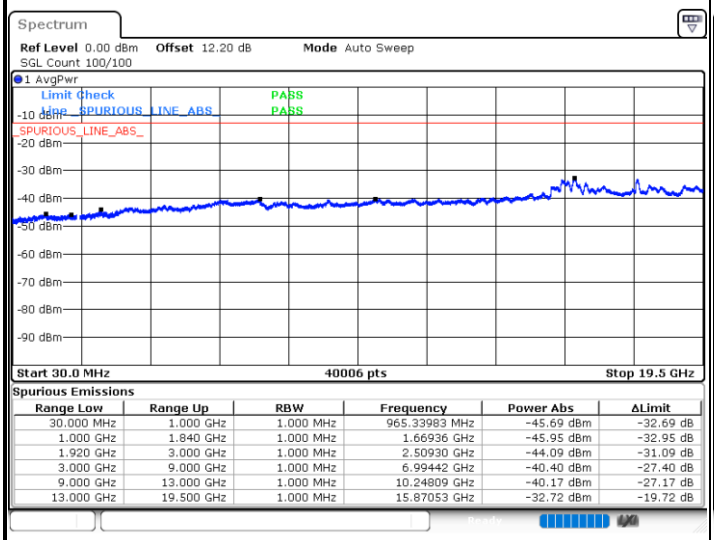
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-45.61 dBm	-32.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65340 GHz	-45.81 dBm	-32.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52010 GHz	-44.63 dBm	-31.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94442 GHz	-40.29 dBm	-27.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67429 GHz	-40.24 dBm	-27.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.86553 GHz	-32.64 dBm	-19.64 dB

Date: 25.MAR.2024 11:59:51

LTE Band 2 / 20MHz

Lowest Channel / QPSK

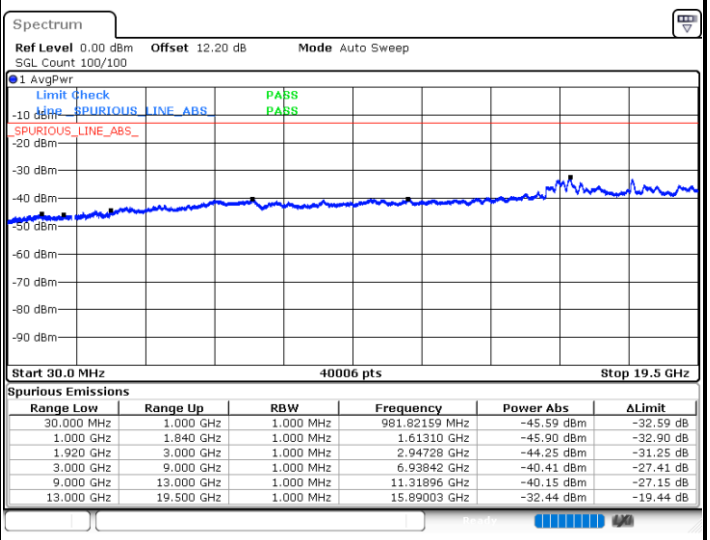


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-45.69 dBm	-32.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66936 GHz	-45.95 dBm	-32.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50930 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-40.40 dBm	-27.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.24809 GHz	-40.17 dBm	-27.17 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.87053 GHz	-32.72 dBm	-19.72 dB

Date: 25.MAR.2024 12:21:17

Middle Channel / QPSK

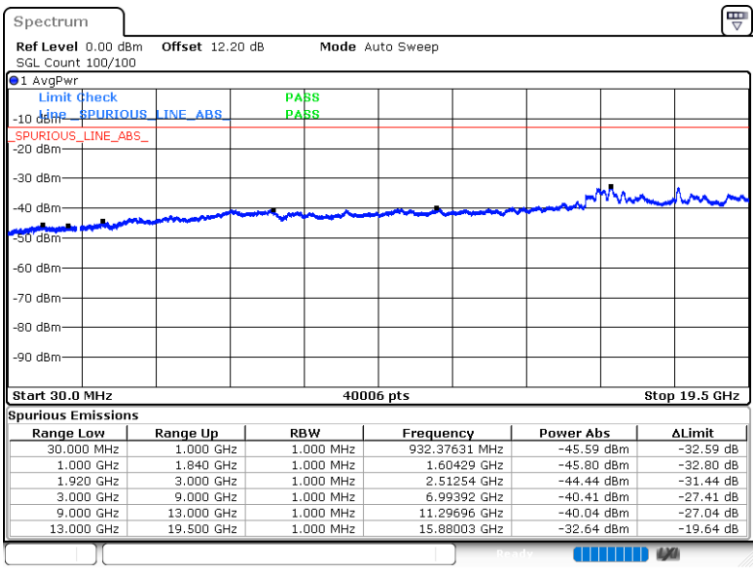


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-45.59 dBm	-32.59 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61310 GHz	-45.90 dBm	-32.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94728 GHz	-44.25 dBm	-31.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93842 GHz	-40.41 dBm	-27.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.31896 GHz	-40.15 dBm	-27.15 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89003 GHz	-32.44 dBm	-19.44 dB

Date: 25.MAR.2024 12:23:07

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-45.59 dBm	-32.59 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60429 GHz	-45.80 dBm	-32.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51254 GHz	-44.44 dBm	-31.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-40.41 dBm	-27.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.29696 GHz	-40.04 dBm	-27.04 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88003 GHz	-32.64 dBm	-19.64 dB

Date: 25.MAR.2024 12:24:54

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note: Normal Voltage = 3.87 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.2 V.

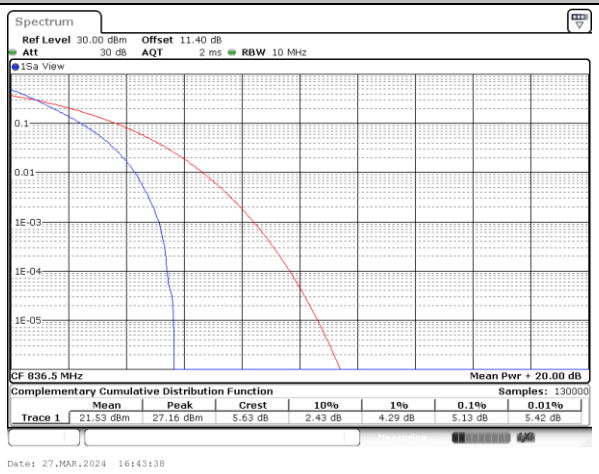
<Ant. 0>

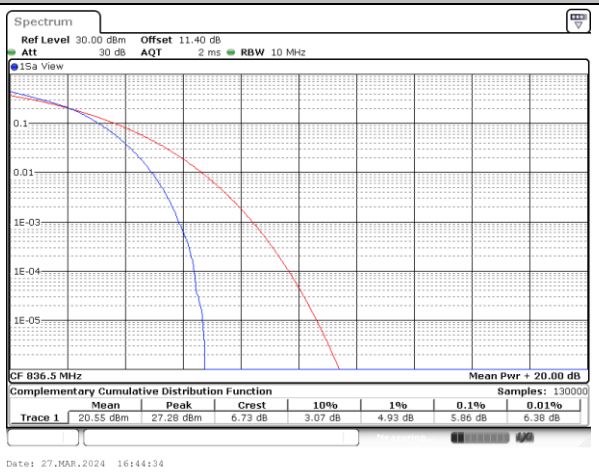
LTE Band 5

Peak-to-Average Ratio

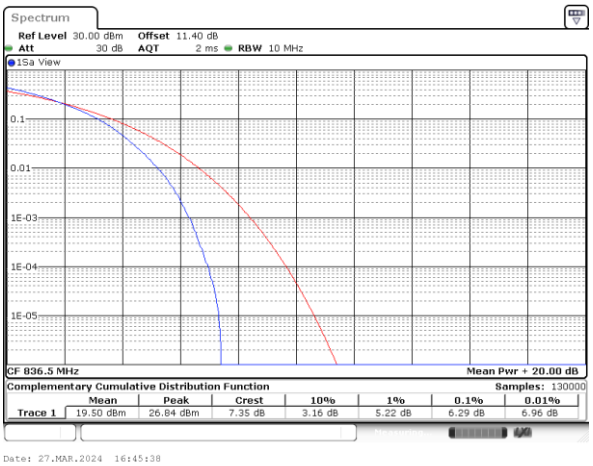
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.13	5.86	6.29	-	PASS

LTE Band 5 / 10MHz / QPSK	LTE Band 5 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB





LTE Band 5 / 10MHz / 64QAM
Middle Channel / Full RB

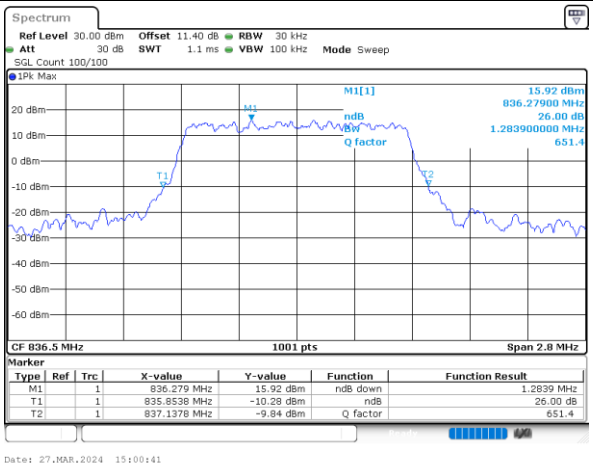


26dB Bandwidth

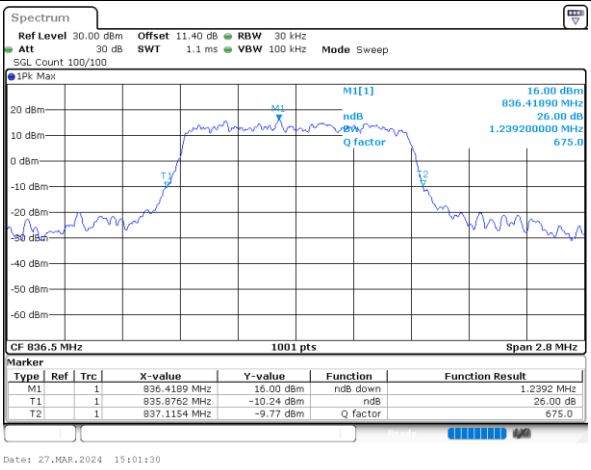
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.28	1.23	3.00	2.93	4.84	4.84	9.71	9.75	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.25	-	2.97	-	4.85	-	9.75	-	-	-	-	-

LTE Band 5

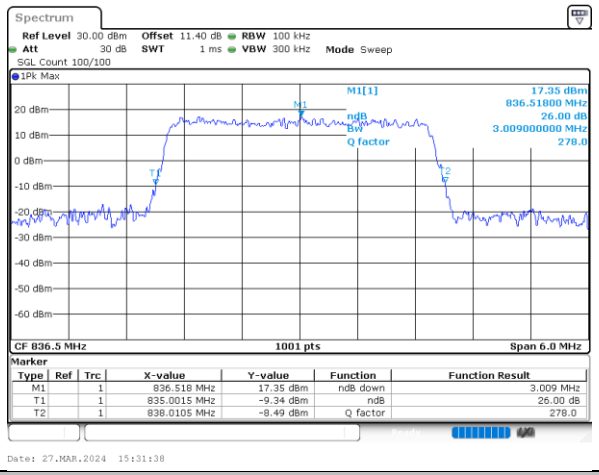
Middle Channel / 1.4MHz / QPSK



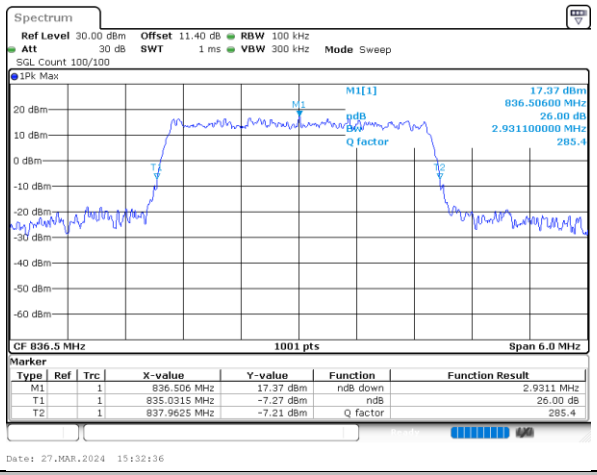
Middle Channel / 1.4MHz / 16QAM



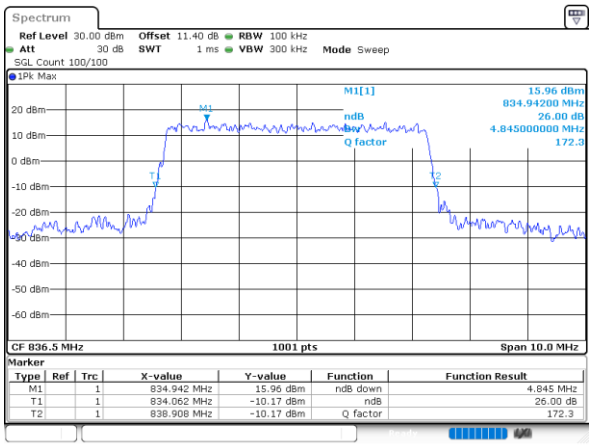
Middle Channel / 3MHz / QPSK



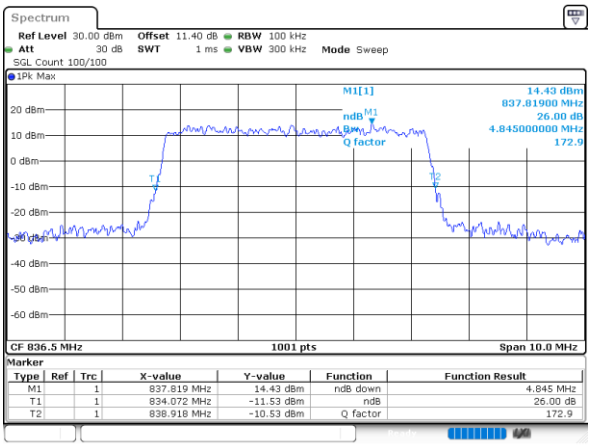
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

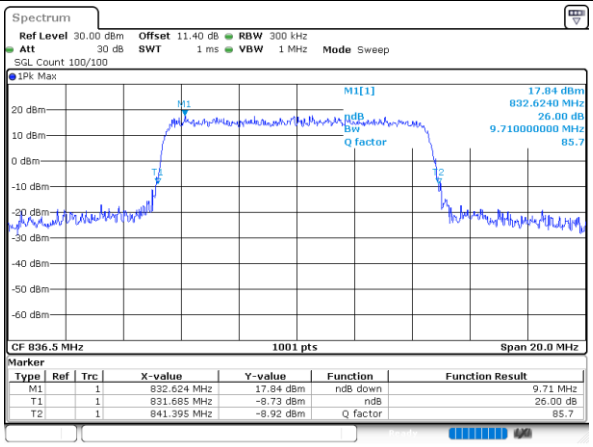


Middle Channel / 5MHz / 16QAM

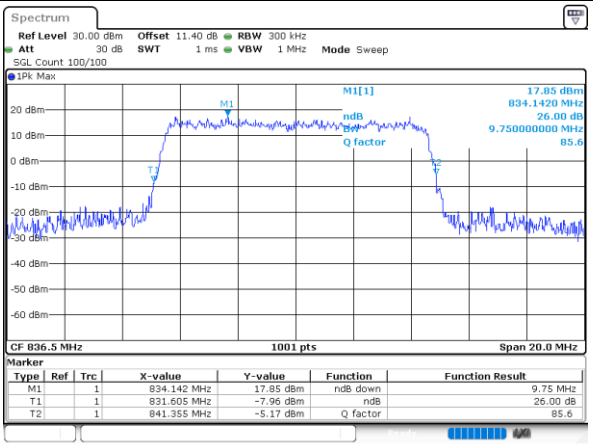


LTE Band 5

Middle Channel / 10MHz / QPSK

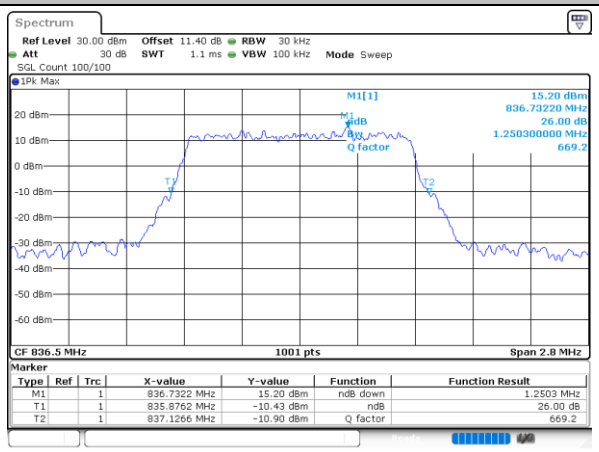


Middle Channel / 10MHz / 16QAM

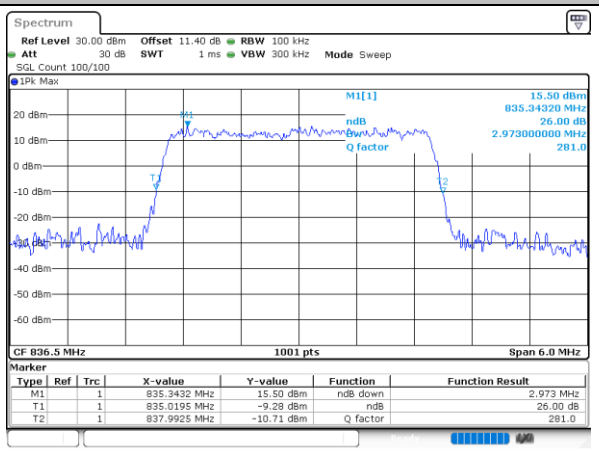


LTE Band 5

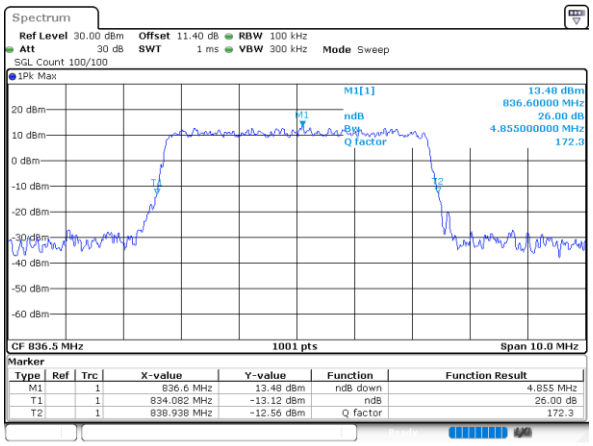
Middle Channel / 1.4MHz / 64QAM



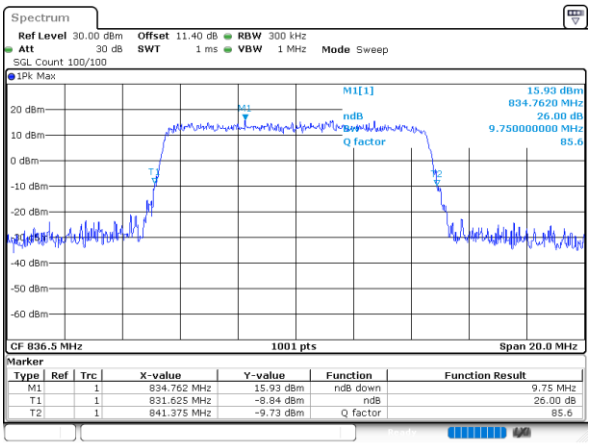
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

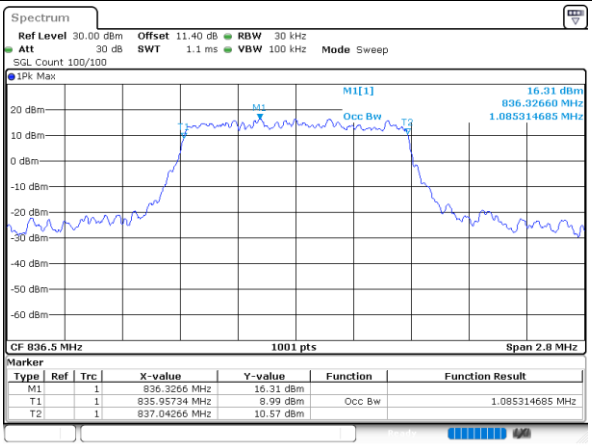


Occupied Bandwidth

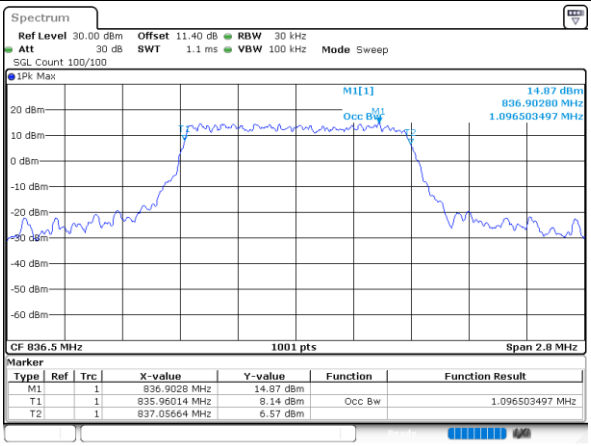
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	1.09	2.71	2.70	4.49	4.49	9.07	9.01	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	-	2.72	-	4.48	-	9.01	-	-	-	-	-

LTE Band 5

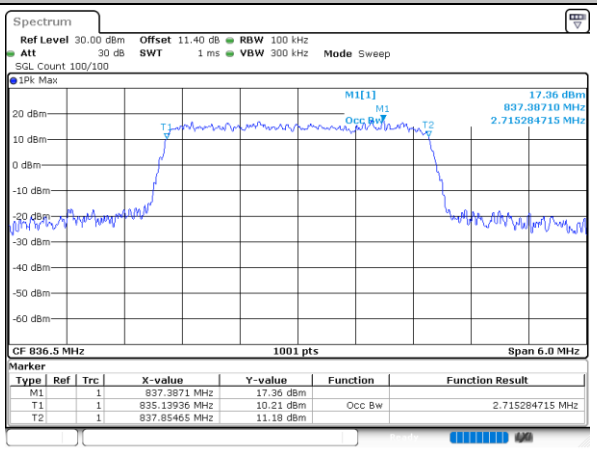
Middle Channel / 1.4MHz / QPSK



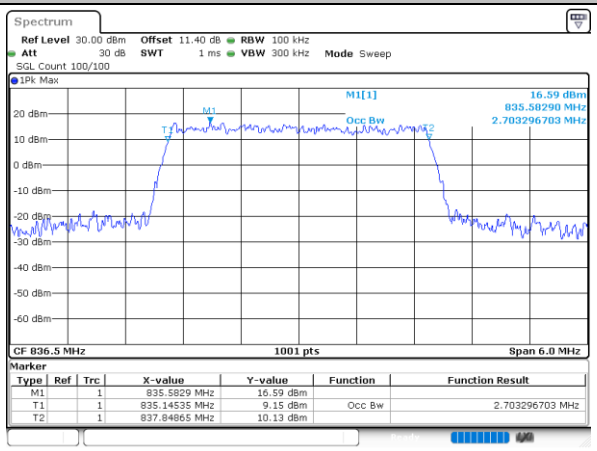
Middle Channel / 1.4MHz / 16QAM



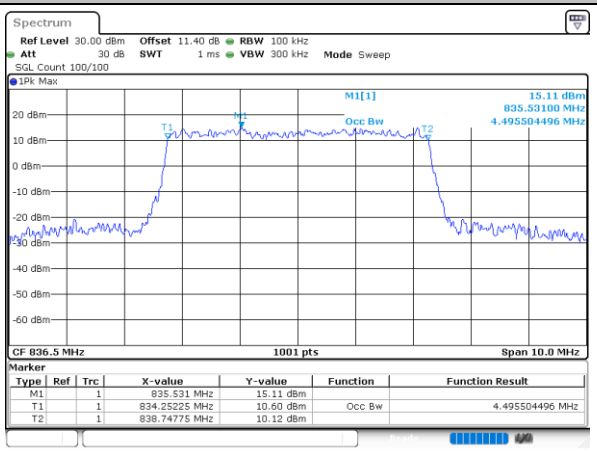
Middle Channel / 3MHz / QPSK



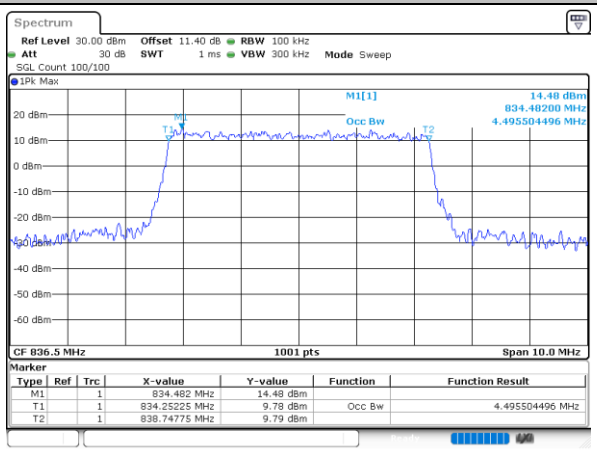
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

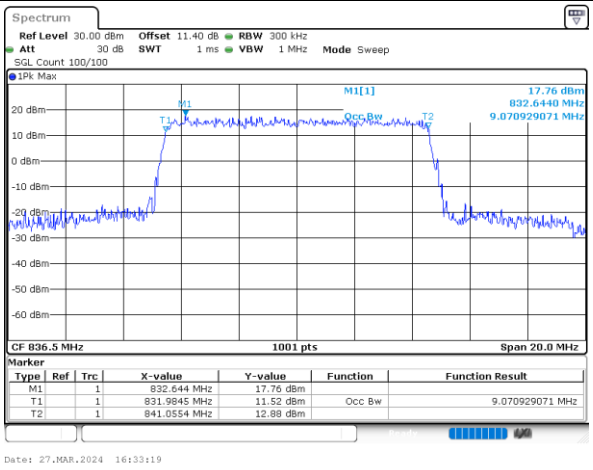


Middle Channel / 5MHz / 16QAM

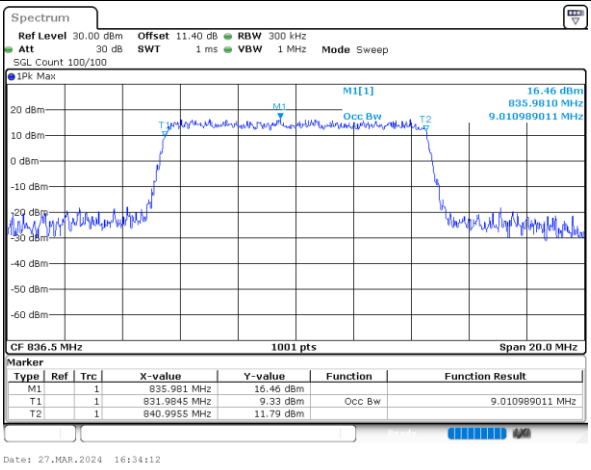


LTE Band 5

Middle Channel / 10MHz / QPSK

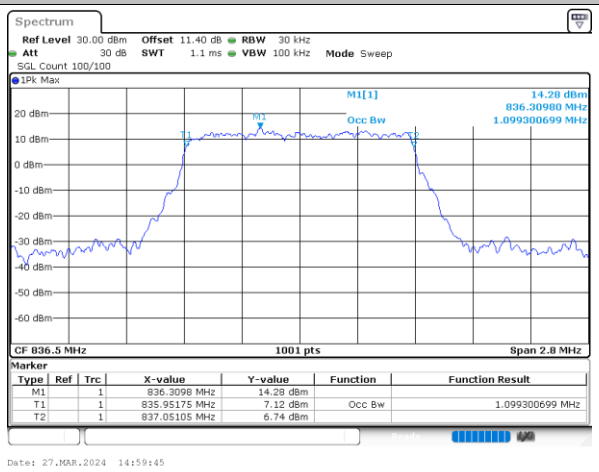


Middle Channel / 10MHz / 16QAM

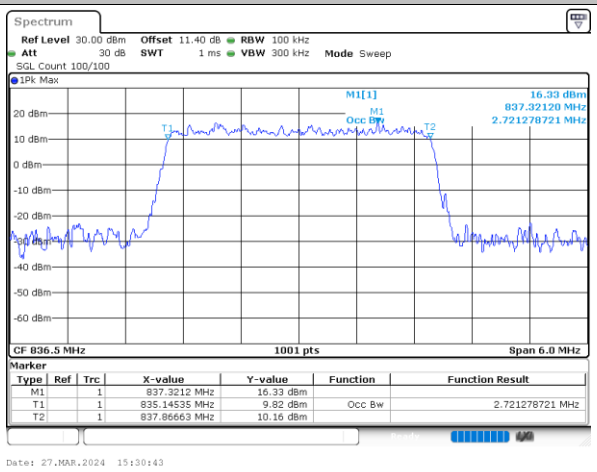


LTE Band 5

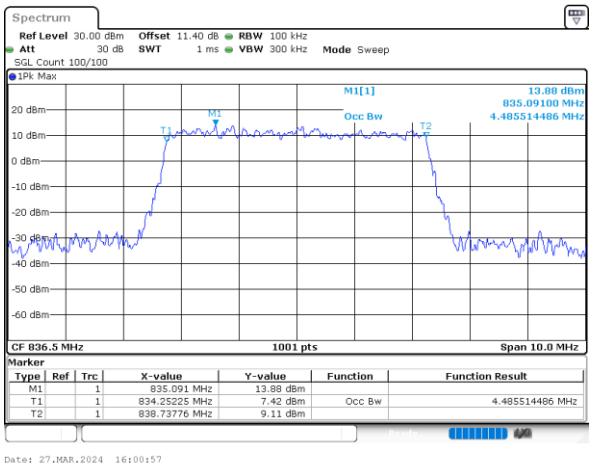
Middle Channel / 1.4MHz / 64QAM



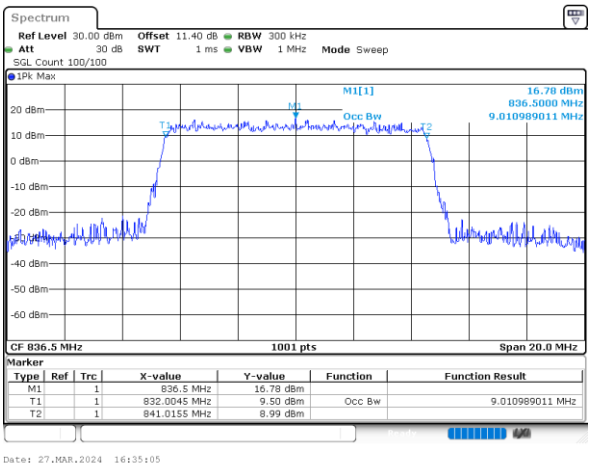
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



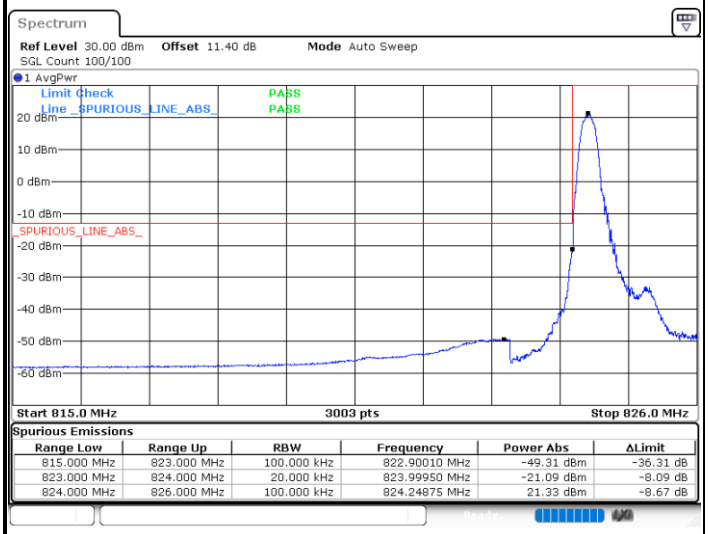
Middle Channel / 10MHz / 64QAM



Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

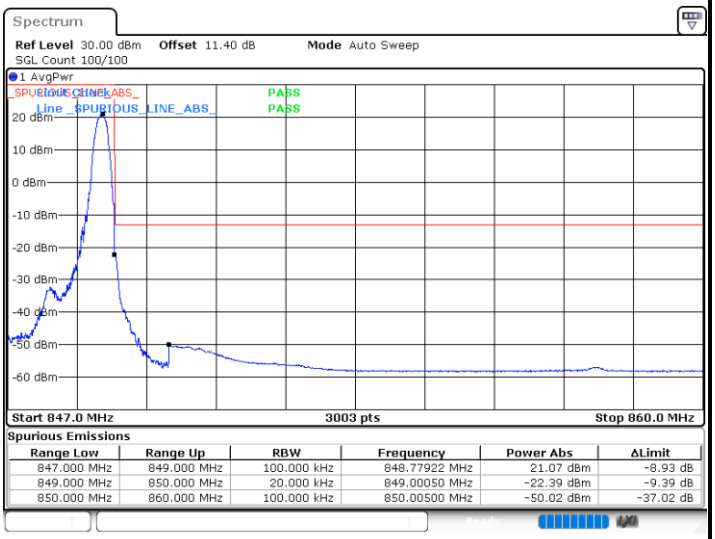


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90010 MHz	-49.31 dBm	-36.31 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-21.09 dBm	-8.09 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.24875 MHz	21.33 dBm	-8.67 dB

Date: 27.MAR.2024 14:38:39

Highest Band Edge / 1RB

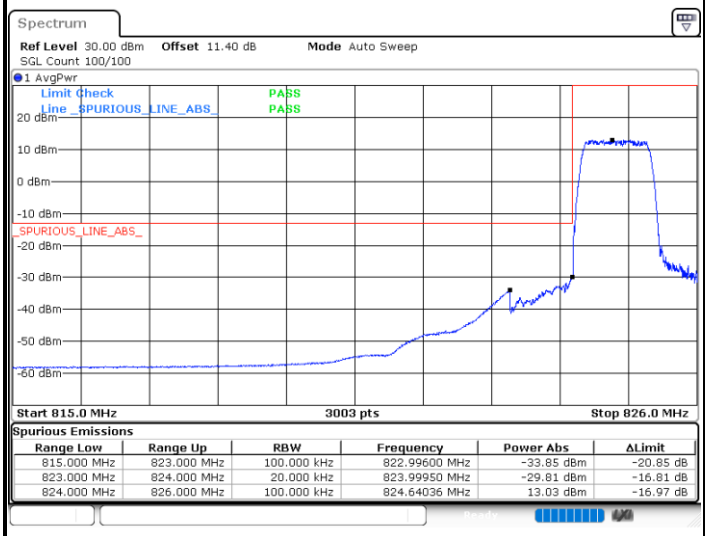


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.77922 MHz	21.07 dBm	-8.93 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-22.39 dBm	-9.39 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-50.02 dBm	-37.02 dB

Date: 27.MAR.2024 14:48:47

Lowest Band Edge / Full RB

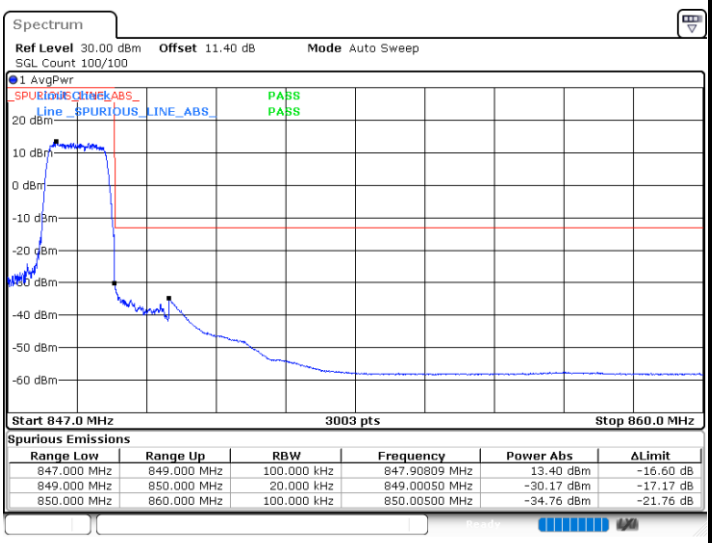


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-33.85 dBm	-20.85 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-29.81 dBm	-16.81 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.64036 MHz	13.03 dBm	-16.97 dB

Date: 27.MAR.2024 14:43:46

Highest Band Edge / Full RB



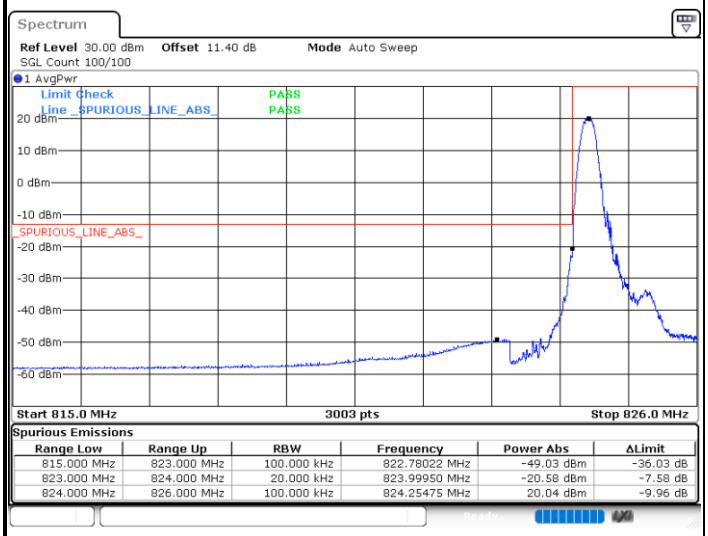
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.90809 MHz	13.40 dBm	-16.60 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-30.17 dBm	-17.17 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-34.76 dBm	-21.76 dB

Date: 27.MAR.2024 14:53:33

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

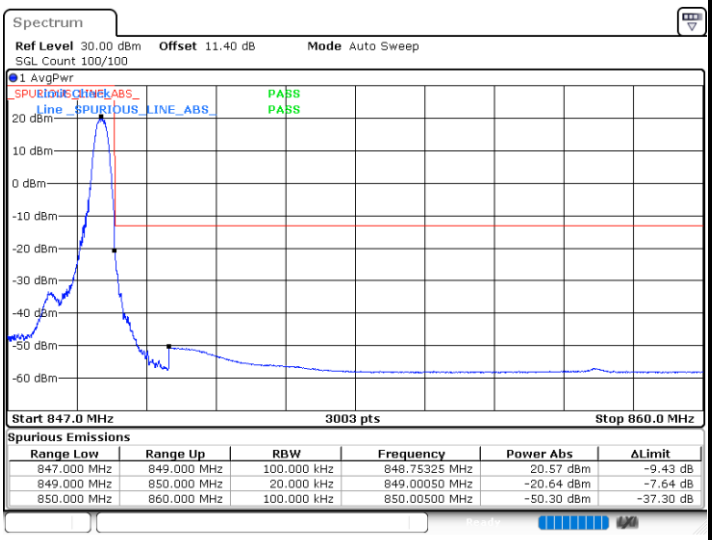


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.78022 MHz	-49.03 dBm	-36.03 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-20.58 dBm	-7.58 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25475 MHz	20.04 dBm	-9.96 dB

Date: 27.MAR.2024 14:40:17

Highest Band Edge / 1 RB

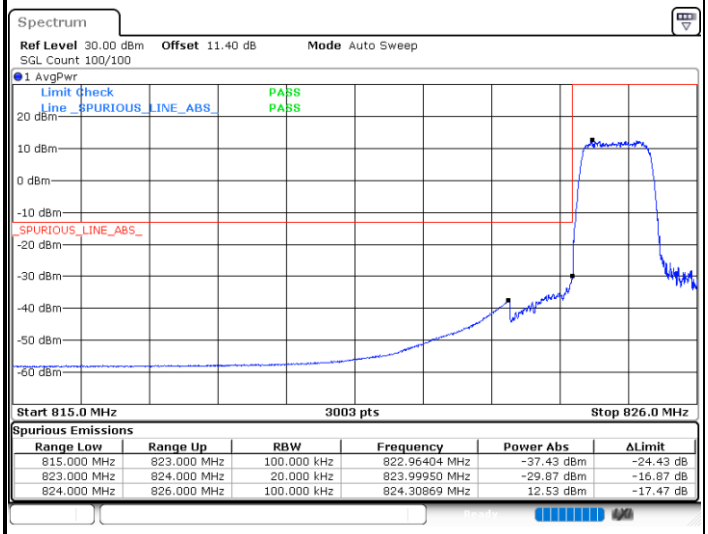


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75325 MHz	20.57 dBm	-9.43 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-20.64 dBm	-7.64 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-50.30 dBm	-37.30 dB

Date: 27.MAR.2024 14:50:22

Lowest Band Edge / Full RB

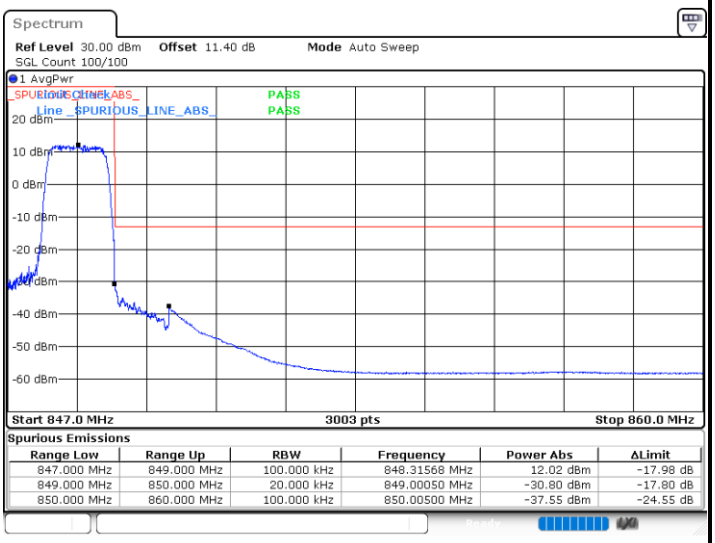


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-37.43 dBm	-24.43 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-29.87 dBm	-16.87 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.30869 MHz	12.53 dBm	-17.47 dB

Date: 27.MAR.2024 14:45:30

Highest Band Edge / Full RB



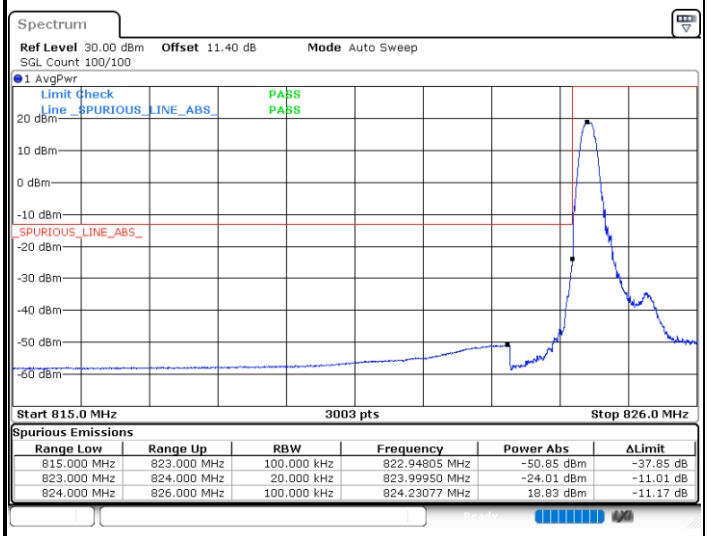
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.31568 MHz	12.02 dBm	-17.98 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-30.80 dBm	-17.80 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-37.55 dBm	-24.55 dB

Date: 27.MAR.2024 14:55:18

LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

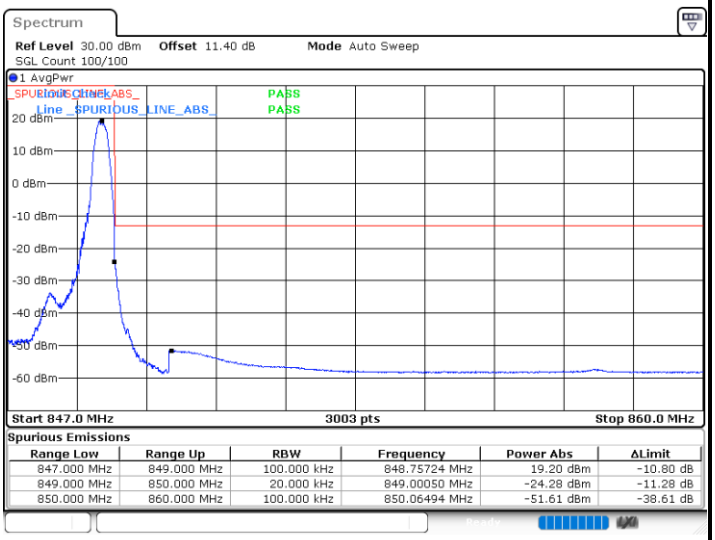


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94805 MHz	-50.85 dBm	-37.85 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-24.01 dBm	-11.01 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.23077 MHz	18.83 dBm	-11.17 dB

Date: 27.MAR.2024 14:42:00

Highest Band Edge / 1 RB

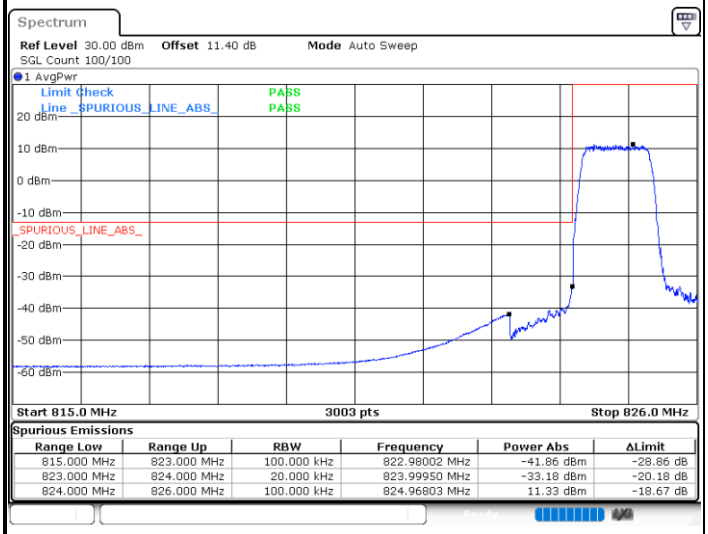


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75724 MHz	19.20 dBm	-10.80 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-24.28 dBm	-11.28 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.06494 MHz	-51.61 dBm	-38.61 dB

Date: 27.MAR.2024 14:51:59

Lowest Band Edge / Full RB

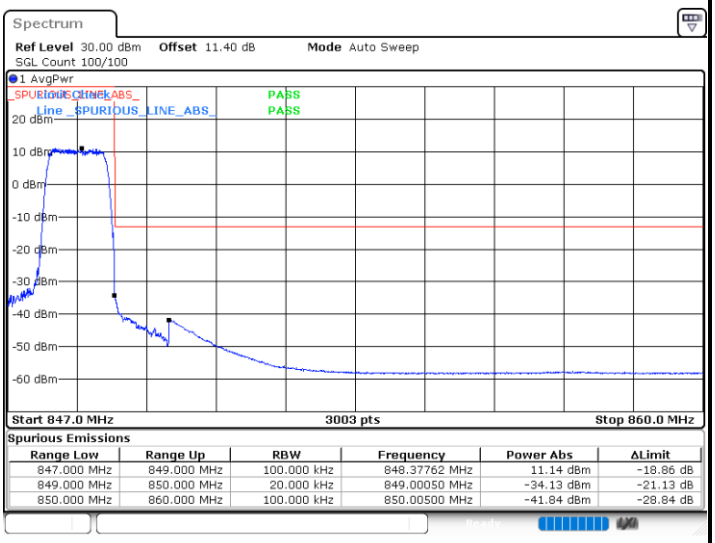


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-41.86 dBm	-28.86 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-33.18 dBm	-20.18 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.96803 MHz	11.33 dBm	-18.67 dB

Date: 27.MAR.2024 14:47:12

Highest Band Edge / Full RB



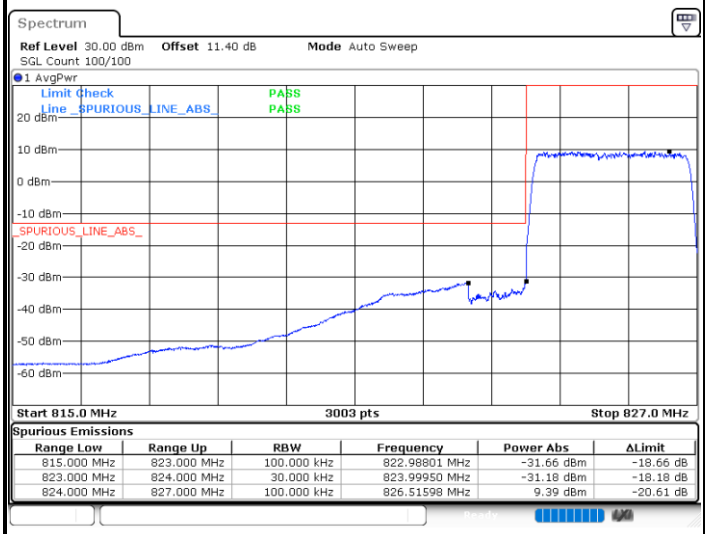
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.37762 MHz	11.14 dBm	-18.86 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-34.13 dBm	-21.13 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-41.84 dBm	-28.84 dB

Date: 27.MAR.2024 14:56:59

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / Full RB

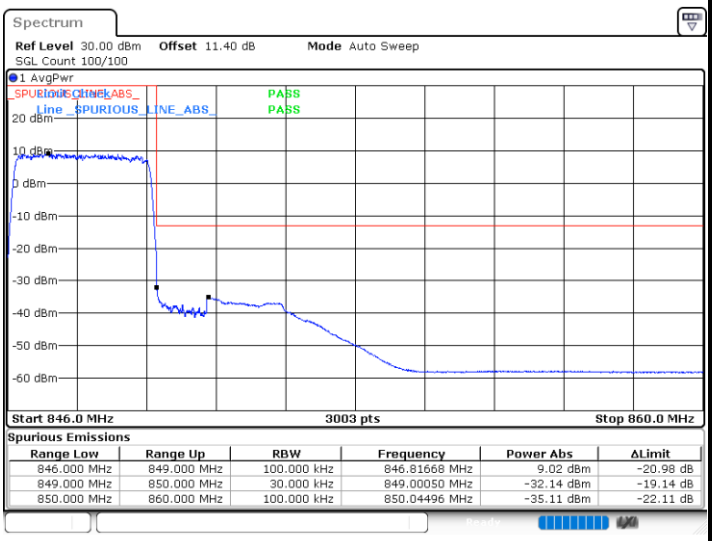


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-31.66 dBm	-18.66 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-31.18 dBm	-18.18 dB
824.000 MHz	827.000 MHz	100.000 kHz	826.51598 MHz	9.39 dBm	-20.61 dB

Date: 27.MAR.2024 15:14:12

Highest Band Edge / Full RB



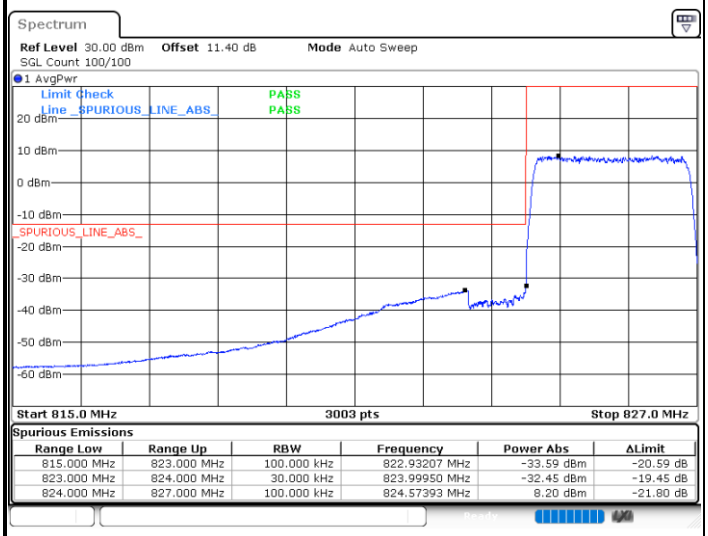
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.81668 MHz	9.02 dBm	-20.98 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-32.14 dBm	-19.14 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.04496 MHz	-35.11 dBm	-22.11 dB

Date: 27.MAR.2024 15:24:16

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / Full RB

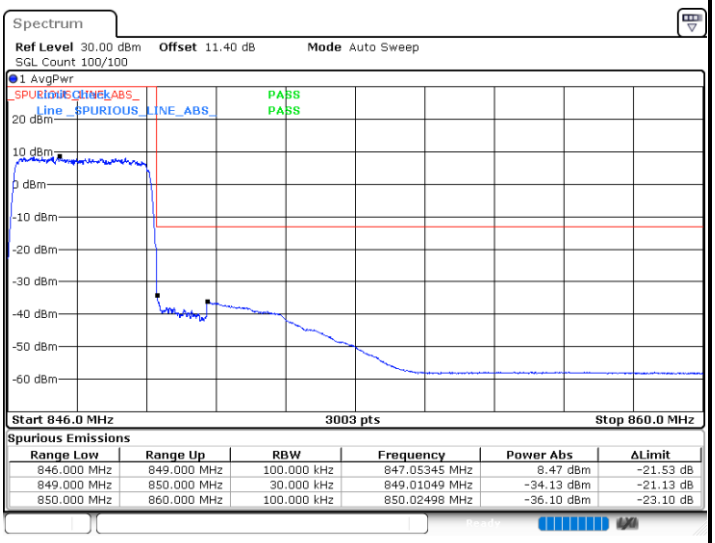


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.93207 MHz	-33.59 dBm	-20.59 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-32.45 dBm	-19.45 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.57393 MHz	8.20 dBm	-21.80 dB

Date: 27.MAR.2024 15:15:50

Highest Band Edge / Full RB



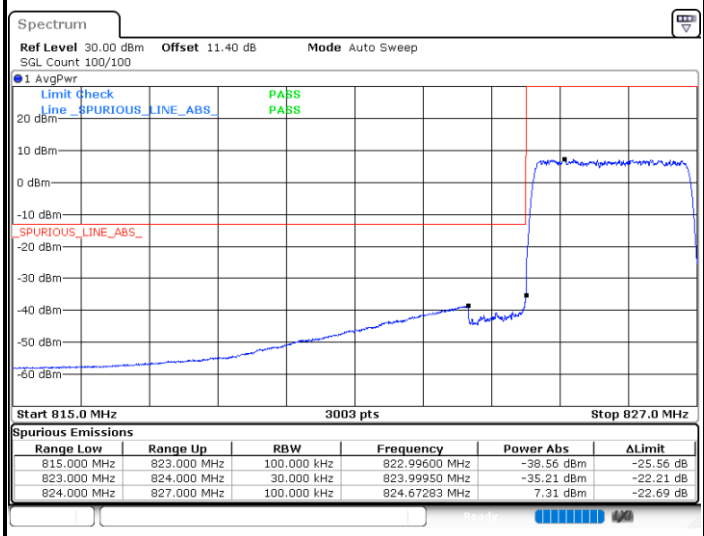
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.05345 MHz	8.47 dBm	-21.53 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.01049 MHz	-34.13 dBm	-21.13 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-36.10 dBm	-23.10 dB

Date: 27.MAR.2024 15:26:11

LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / Full RB

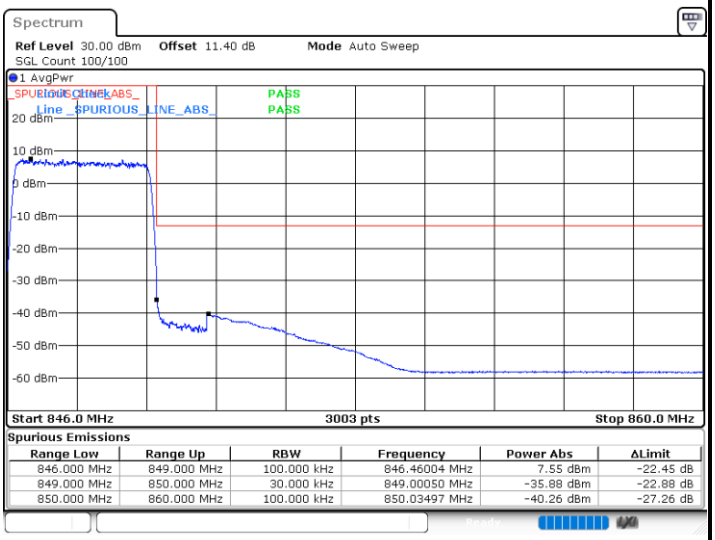


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-38.56 dBm	-25.56 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-35.21 dBm	-22.21 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.67283 MHz	7.31 dBm	-22.69 dB

Date: 27.MAR.2024 15:17:29

Highest Band Edge / Full RB



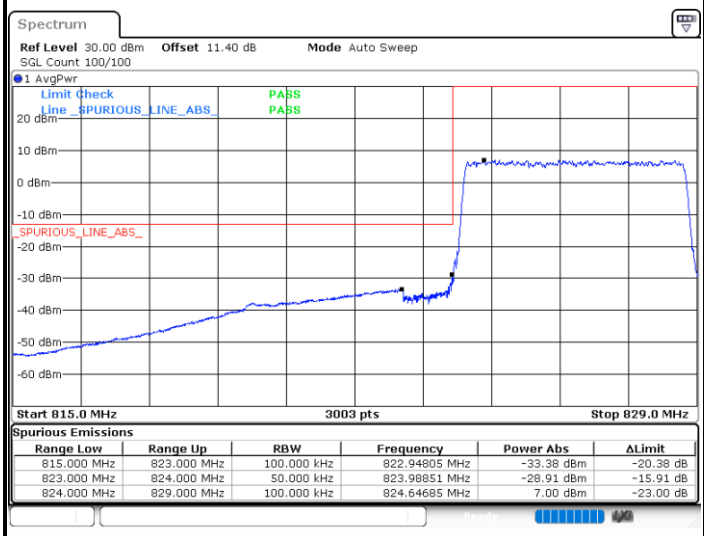
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	846.46004 MHz	7.55 dBm	-22.45 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-35.88 dBm	-22.88 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-40.26 dBm	-27.26 dB

Date: 27.MAR.2024 15:27:55

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / Full RB

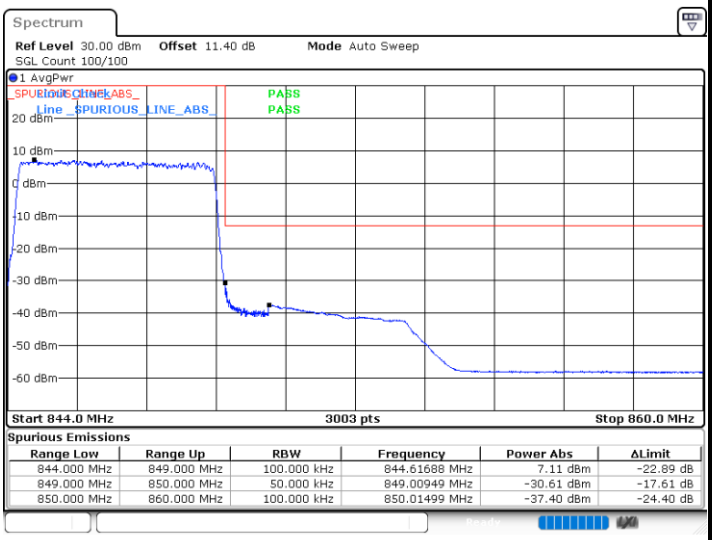


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94805 MHz	-33.38 dBm	-20.38 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.98851 MHz	-28.91 dBm	-15.91 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.64685 MHz	7.00 dBm	-23.00 dB

Date: 27.MAR.2024 15:45:16

Highest Band Edge / Full RB



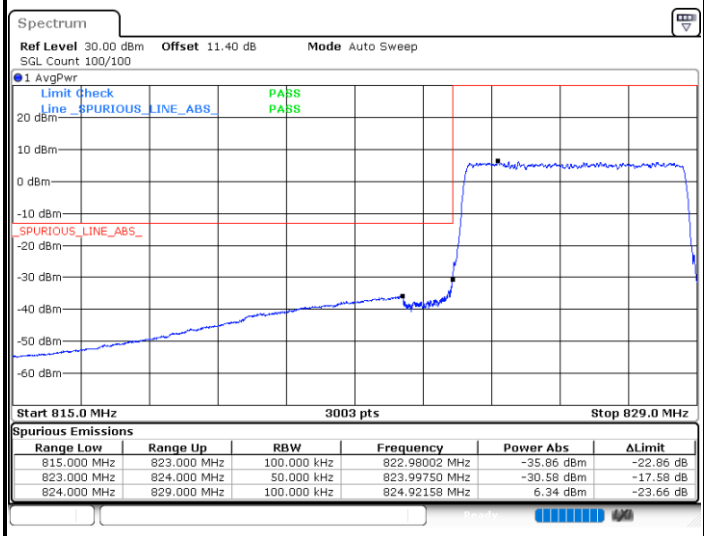
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	844.61688 MHz	7.11 dBm	-22.89 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00949 MHz	-30.61 dBm	-17.61 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-37.40 dBm	-24.40 dB

Date: 27.MAR.2024 15:54:57

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / Full RB

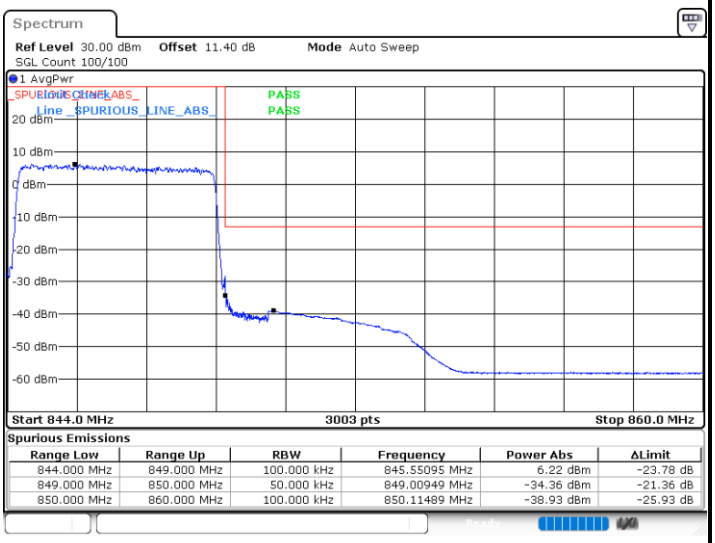


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98002 MHz	-35.86 dBm	-22.86 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99750 MHz	-30.58 dBm	-17.58 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.92158 MHz	6.34 dBm	-23.66 dB

Date: 27.MAR.2024 15:46:51

Highest Band Edge / Full RB



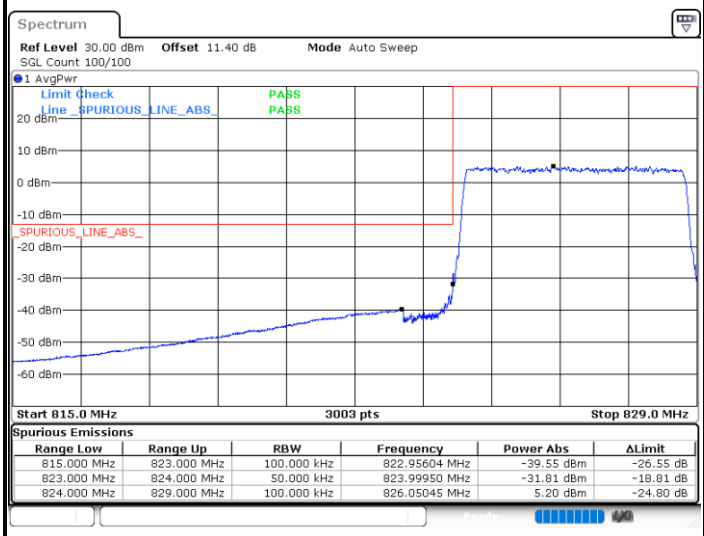
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	845.55095 MHz	6.22 dBm	-23.78 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00949 MHz	-34.36 dBm	-21.36 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.11489 MHz	-38.93 dBm	-25.93 dB

Date: 27.MAR.2024 15:56:40

LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / Full RB

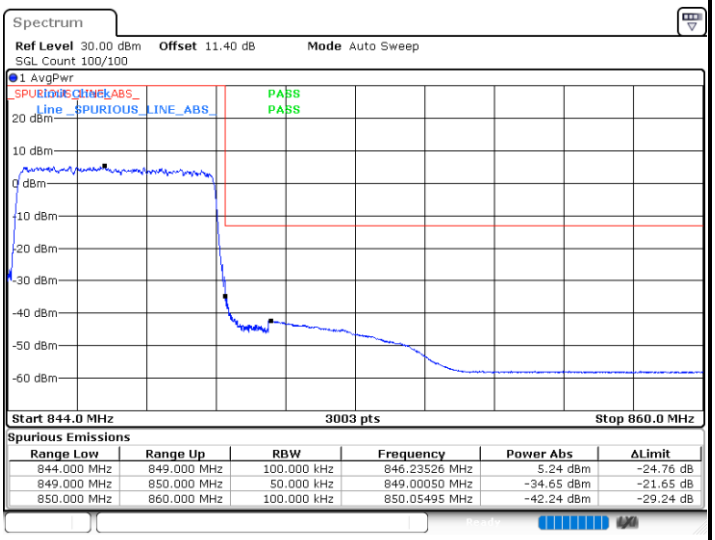


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.95604 MHz	-39.55 dBm	-26.55 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-31.81 dBm	-18.81 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.05045 MHz	5.20 dBm	-24.80 dB

Date: 27.MAR.2024 15:48:27

Highest Band Edge / Full RB



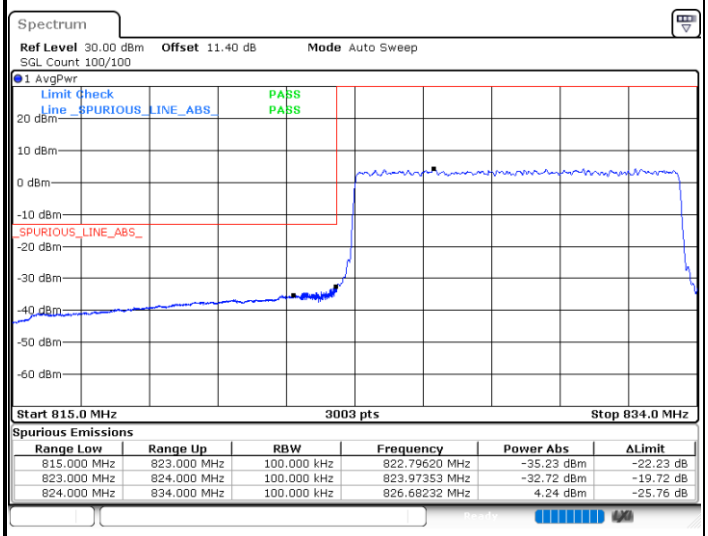
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	846.23526 MHz	5.24 dBm	-24.76 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-34.65 dBm	-21.65 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-42.24 dBm	-29.24 dB

Date: 27.MAR.2024 15:58:19

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / Full RB

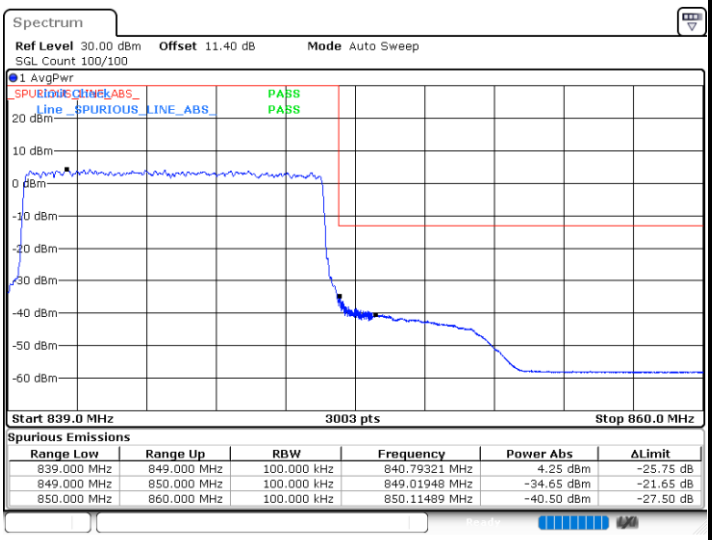


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.79620 MHz	-35.23 dBm	-22.23 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.97353 MHz	-32.72 dBm	-19.72 dB
824.000 MHz	834.000 MHz	100.000 kHz	826.68232 MHz	4.24 dBm	-25.76 dB

Date: 27.MAR.2024 16:18:54

Highest Band Edge / Full RB



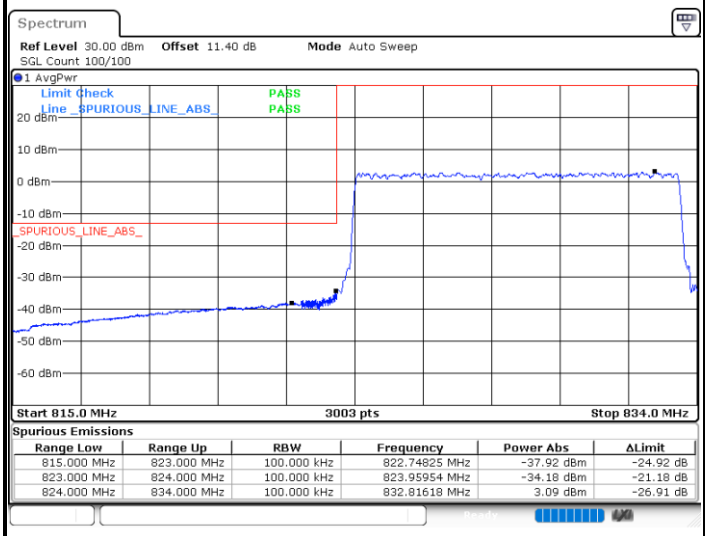
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	840.79321 MHz	4.25 dBm	-25.75 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.01948 MHz	-34.65 dBm	-21.65 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.11489 MHz	-40.50 dBm	-27.50 dB

Date: 27.MAR.2024 16:29:19

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / Full RB

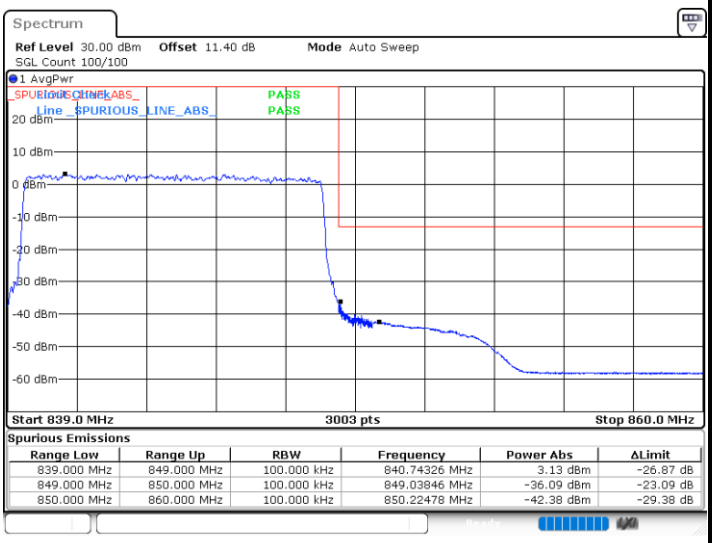


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.74825 MHz	-37.92 dBm	-24.92 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.95954 MHz	-34.18 dBm	-21.18 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.81618 MHz	3.09 dBm	-26.91 dB

Date: 27.MAR.2024 16:20:34

Highest Band Edge / Full RB



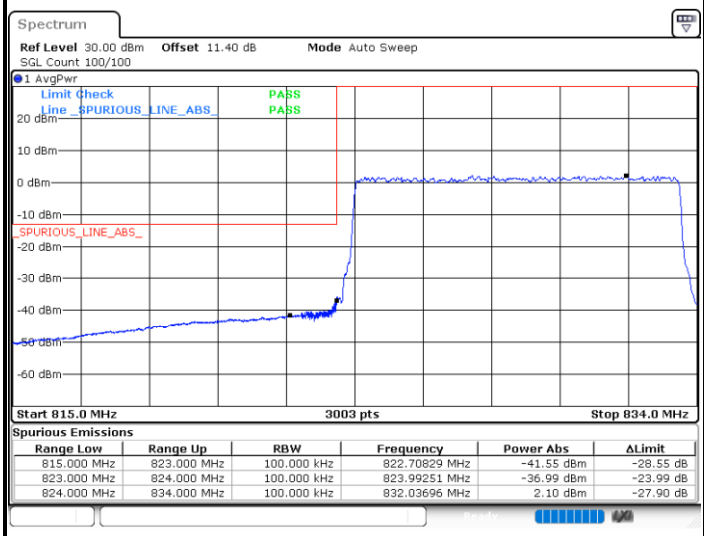
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	840.74326 MHz	3.13 dBm	-26.87 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.03846 MHz	-36.09 dBm	-23.09 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.22478 MHz	-42.38 dBm	-29.38 dB

Date: 27.MAR.2024 16:31:00

LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / Full RB

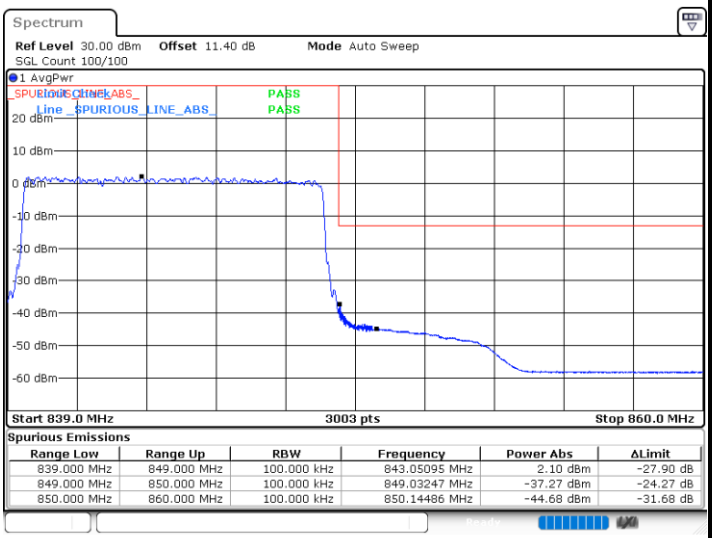


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.70829 MHz	-41.55 dBm	-28.55 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99251 MHz	-36.99 dBm	-23.99 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.03696 MHz	2.10 dBm	-27.90 dB

Date: 27.MAR.2024 16:22:16

Highest Band Edge / Full RB



Spurious Emissions

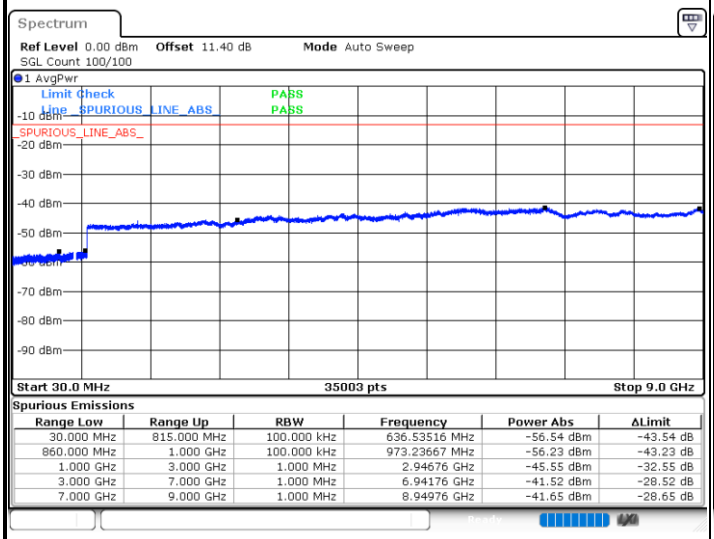
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	843.05095 MHz	2.10 dBm	-27.90 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.03247 MHz	-37.27 dBm	-24.27 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.14486 MHz	-44.68 dBm	-31.68 dB

Date: 27.MAR.2024 16:32:34

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

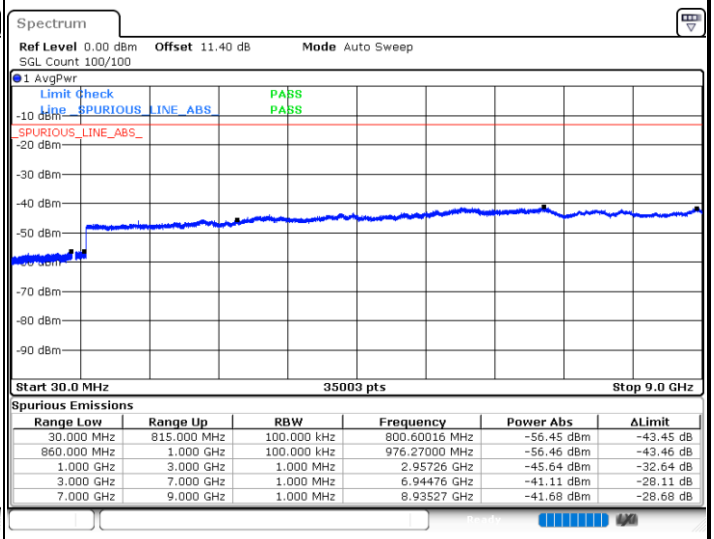


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	636.53516 MHz	-56.54 dBm	-43.54 dB
860.000 MHz	1.000 GHz	100.000 kHz	973.23667 MHz	-56.23 dBm	-43.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94676 GHz	-45.55 dBm	-32.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94176 GHz	-41.52 dBm	-28.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94976 GHz	-41.65 dBm	-28.65 dB

Date: 27.MAR.2024 15:03:59

Middle Channel / QPSK

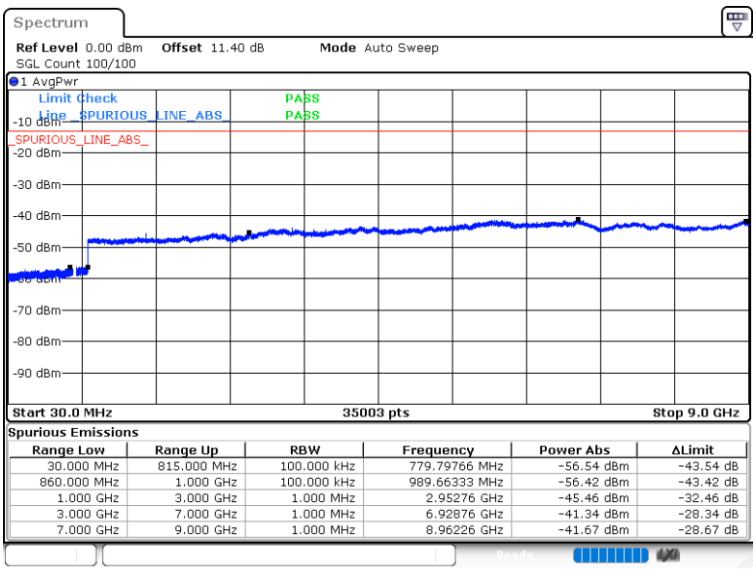


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	800.60016 MHz	-56.45 dBm	-43.45 dB
860.000 MHz	1.000 GHz	100.000 kHz	976.27000 MHz	-56.46 dBm	-43.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95726 GHz	-45.64 dBm	-32.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94476 GHz	-41.11 dBm	-28.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93527 GHz	-41.68 dBm	-28.68 dB

Date: 27.MAR.2024 15:05:39

Highest Channel / QPSK



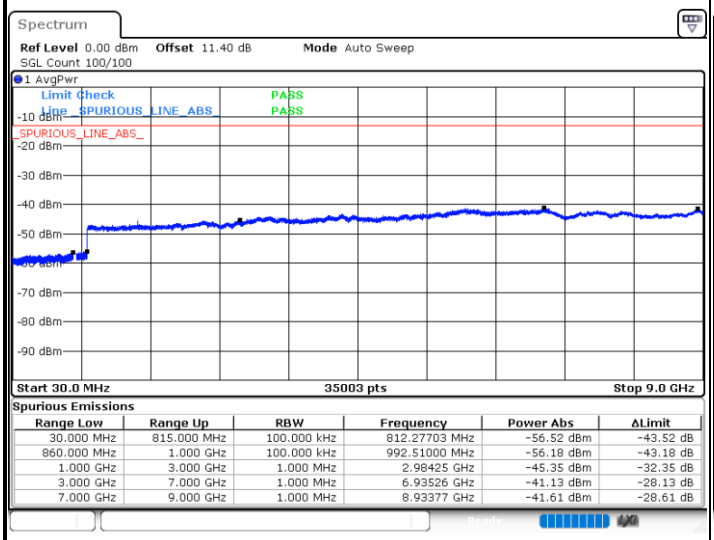
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.79766 MHz	-56.54 dBm	-43.54 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.66333 MHz	-56.42 dBm	-43.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95276 GHz	-45.46 dBm	-32.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92876 GHz	-41.34 dBm	-28.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.96226 GHz	-41.67 dBm	-28.67 dB

Date: 27.MAR.2024 15:07:23

LTE Band 5 / 3MHz

Lowest Channel / QPSK

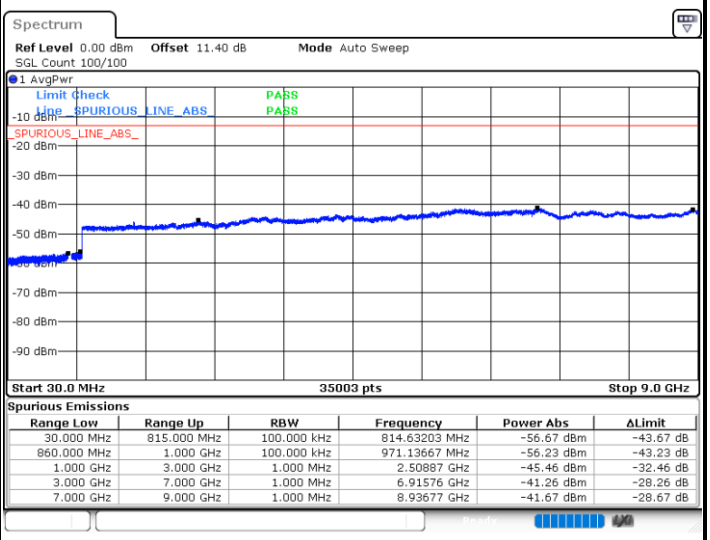


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.27703 MHz	-56.52 dBm	-43.52 dB
860.000 MHz	1.000 GHz	100.000 kHz	992.51000 MHz	-56.18 dBm	-43.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98425 GHz	-45.35 dBm	-32.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93526 GHz	-41.13 dBm	-28.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93377 GHz	-41.61 dBm	-28.61 dB

Date: 27.MAR.2024 15:35:14

Middle Channel / QPSK

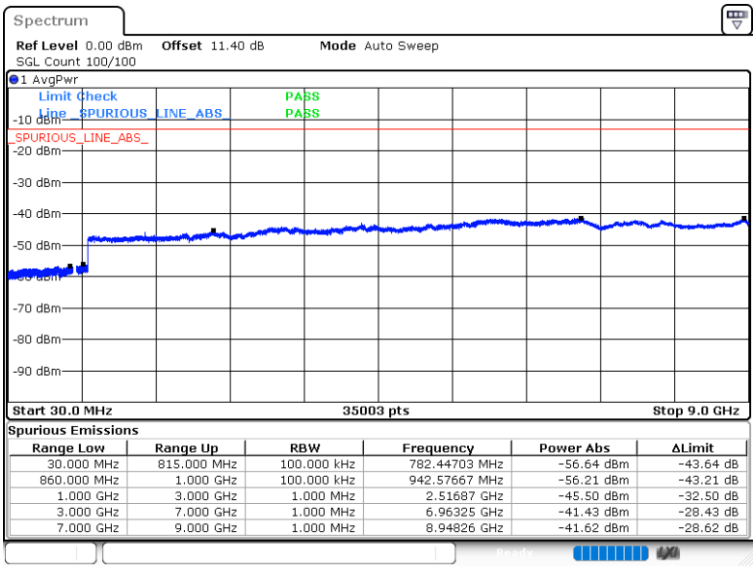


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.63203 MHz	-56.67 dBm	-43.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	971.13667 MHz	-56.23 dBm	-43.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50887 GHz	-45.46 dBm	-32.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-41.26 dBm	-28.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93677 GHz	-41.67 dBm	-28.67 dB

Date: 27.MAR.2024 15:37:05

Highest Channel / QPSK



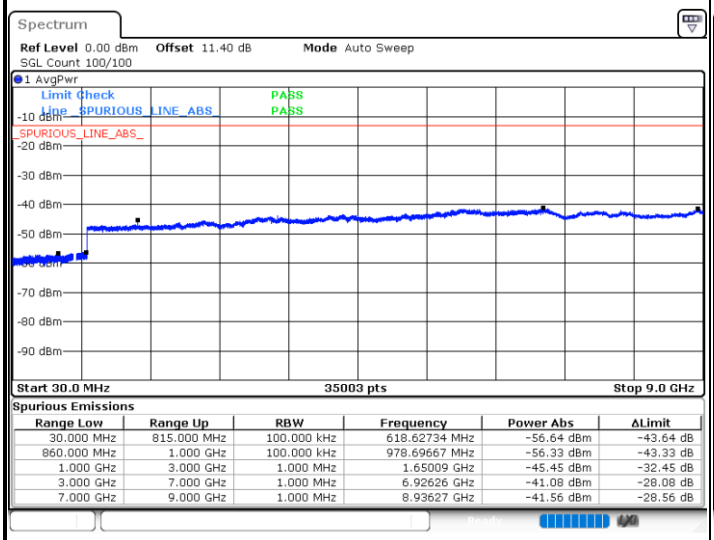
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	782.44703 MHz	-56.64 dBm	-43.64 dB
860.000 MHz	1.000 GHz	100.000 kHz	942.57667 MHz	-56.21 dBm	-43.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51687 GHz	-45.50 dBm	-32.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96325 GHz	-41.43 dBm	-28.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94826 GHz	-41.62 dBm	-28.62 dB

Date: 27.MAR.2024 15:38:38

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	618.62734 MHz	-56.64 dBm	-43.64 dB
860.000 MHz	1.000 GHz	100.000 kHz	978.69667 MHz	-56.33 dBm	-43.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65009 GHz	-45.45 dBm	-32.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92626 GHz	-41.08 dBm	-28.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93627 GHz	-41.56 dBm	-28.56 dB

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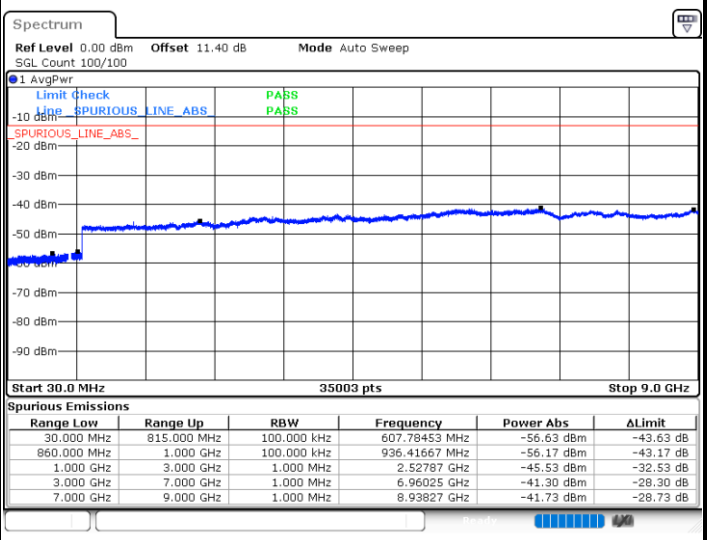
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	607.78453 MHz	-56.63 dBm	-43.63 dB
860.000 MHz	1.000 GHz	100.000 kHz	936.41667 MHz	-56.17 dBm	-43.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52787 GHz	-45.53 dBm	-32.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96025 GHz	-41.30 dBm	-28.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93827 GHz	-41.73 dBm	-28.73 dB

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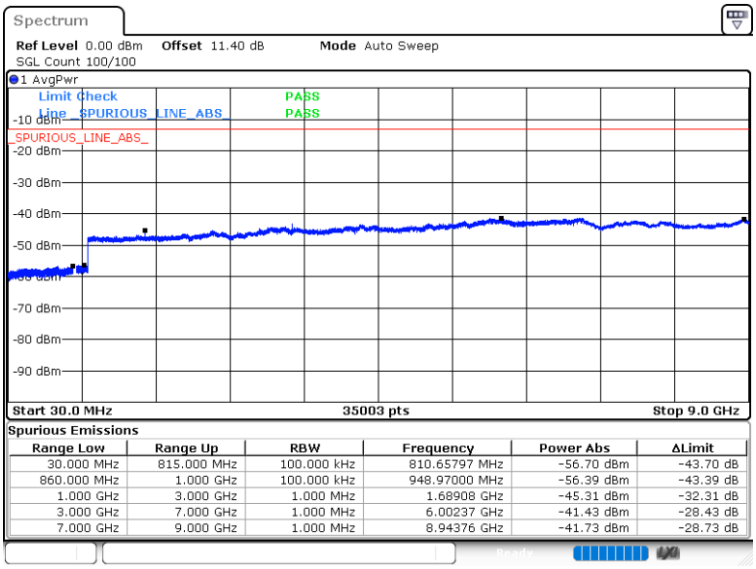
Highest Channel / QPSK



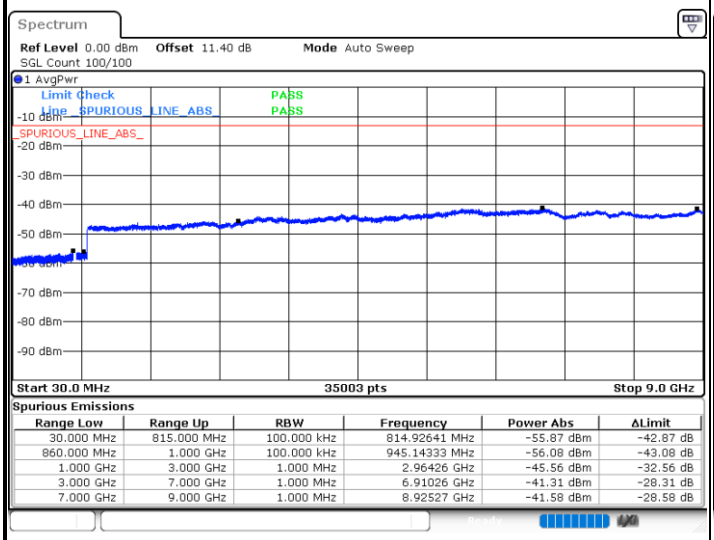
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.65797 MHz	-56.70 dBm	-43.70 dB
860.000 MHz	1.000 GHz	100.000 kHz	948.97000 MHz	-56.39 dBm	-43.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.00237 GHz	-41.43 dBm	-28.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94376 GHz	-41.73 dBm	-28.73 dB

Date: 27.MAR.2024 16:08:17

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	814.92641 MHz	-55.87 dBm	-42.87 dB
860.000 MHz	1.000 GHz	100.000 kHz	945.14333 MHz	-56.08 dBm	-43.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96426 GHz	-45.56 dBm	-32.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91026 GHz	-41.31 dBm	-28.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92527 GHz	-41.58 dBm	-28.58 dB

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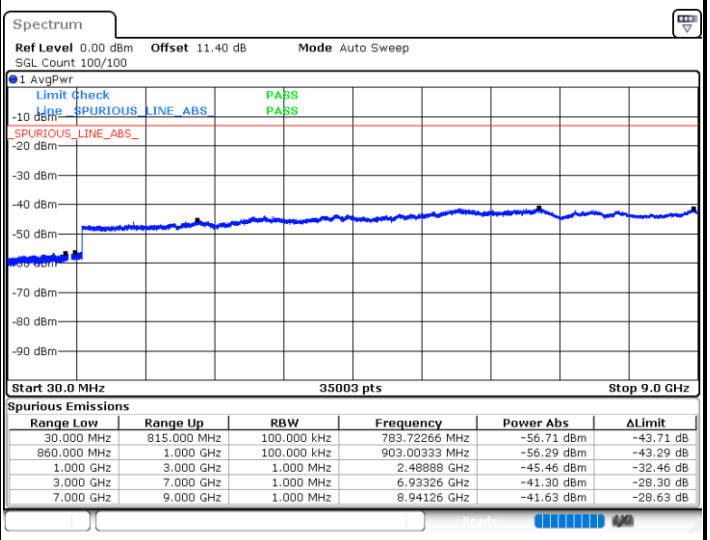
Middle Channel / QPSK

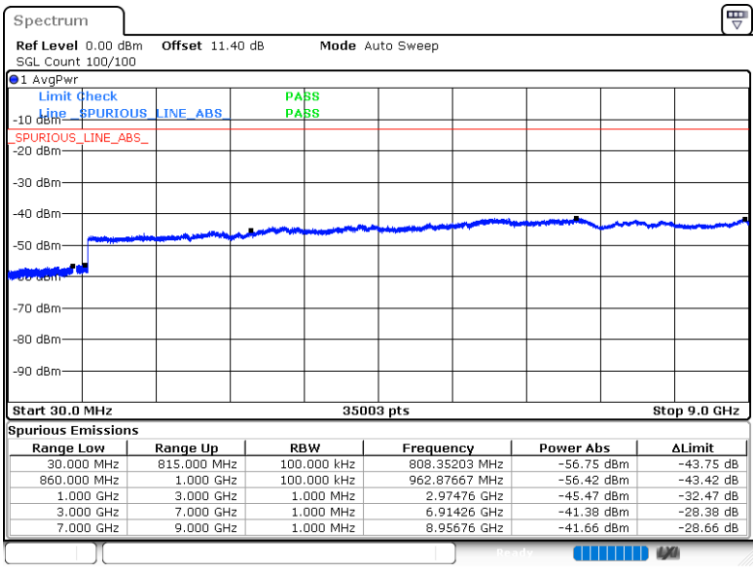


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	783.72266 MHz	-56.71 dBm	-43.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	903.00333 MHz	-56.29 dBm	-43.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.48888 GHz	-45.46 dBm	-32.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93326 GHz	-41.30 dBm	-28.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94126 GHz	-41.63 dBm	-28.63 dB

Date: 27.MAR.2024 16:41:10

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.35203 MHz	-56.75 dBm	-43.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	962.87667 MHz	-56.42 dBm	-43.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97476 GHz	-45.47 dBm	-32.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91426 GHz	-41.38 dBm	-28.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95676 GHz	-41.66 dBm	-28.66 dB

Date: 27.MAR.2024 16:42:46

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	0.0019	PASS
40	Normal Voltage	0.0105	
30	Normal Voltage	0.0178	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0061	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0182	
20	Maximum Voltage	0.0110	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage = 3.87 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

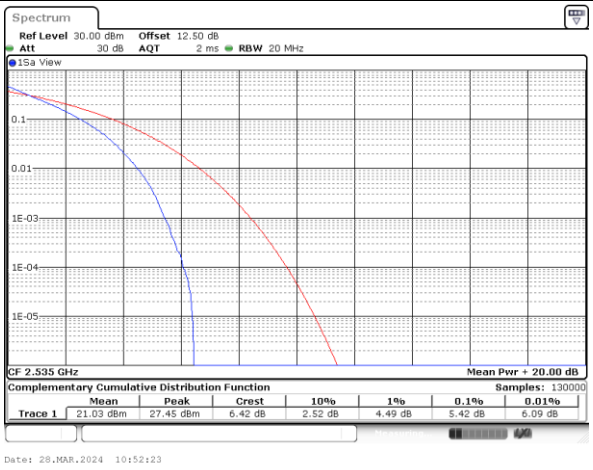
<Ant. 1>

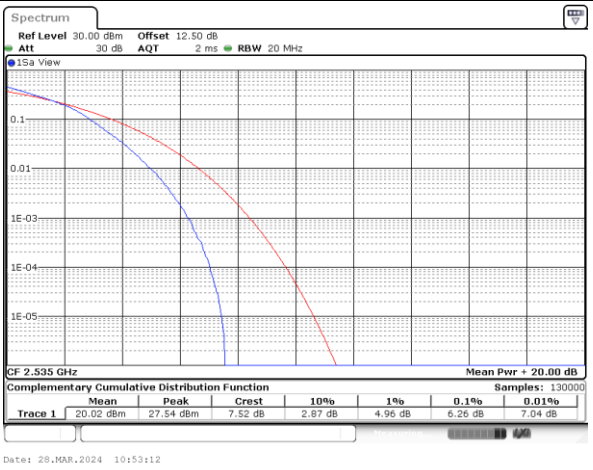
LTE Band 7

Peak-to-Average Ratio

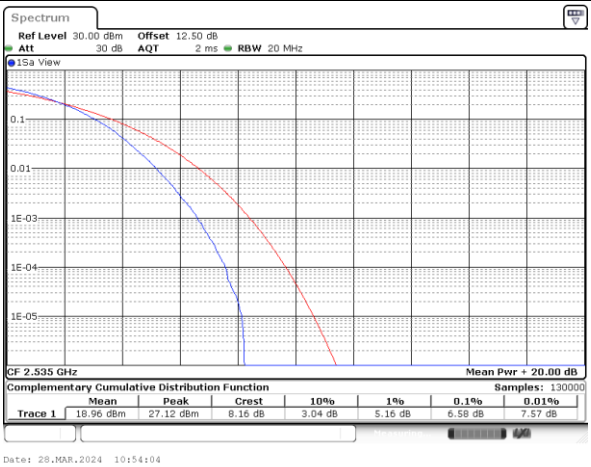
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.42	6.26	6.58	-	PASS

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





LTE Band 7 / 20MHz / 64QAM
Middle Channel / Full RB

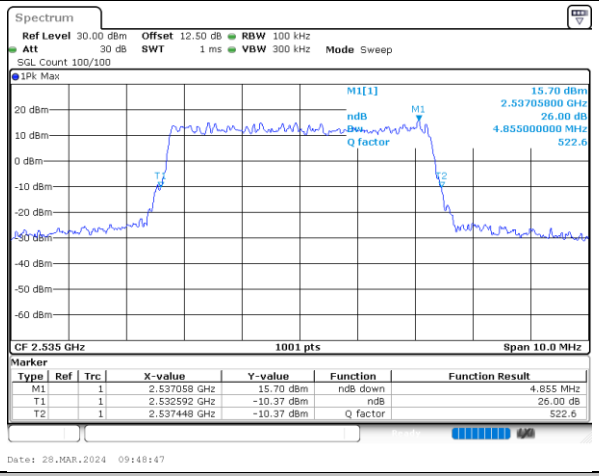


26dB Bandwidth

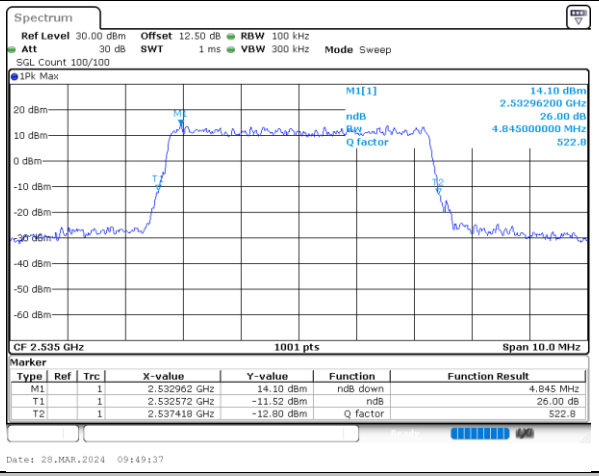
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.85	4.84	9.89	9.75	14.29	14.17	18.90	19.10
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.80	-	9.71	-	14.32	-	18.98	-

LTE Band 7

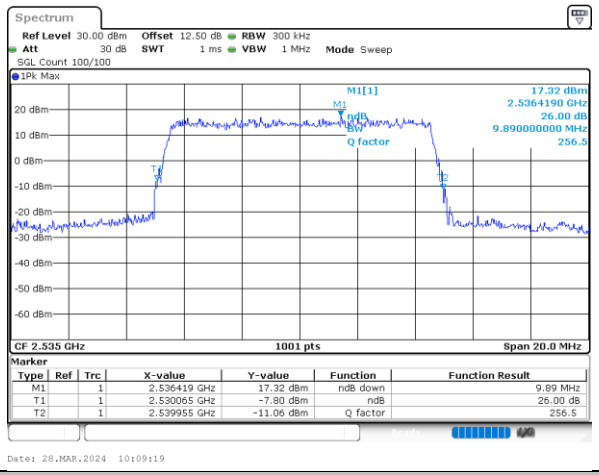
Middle Channel / 5MHz / QPSK



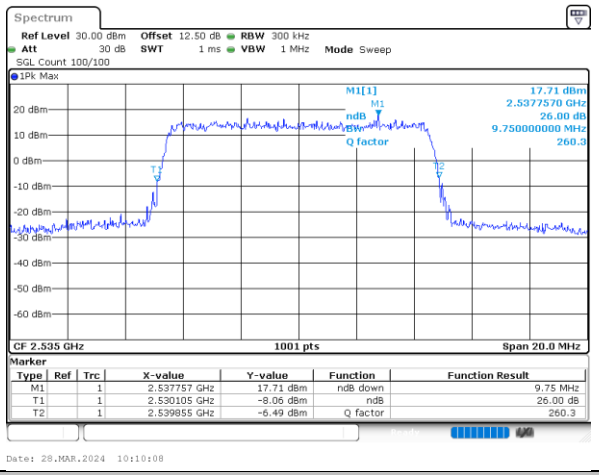
Middle Channel / 5MHz / 16QAM



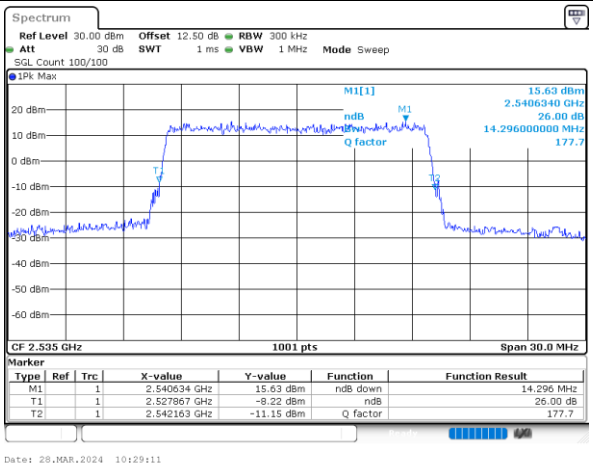
Middle Channel / 10MHz / QPSK



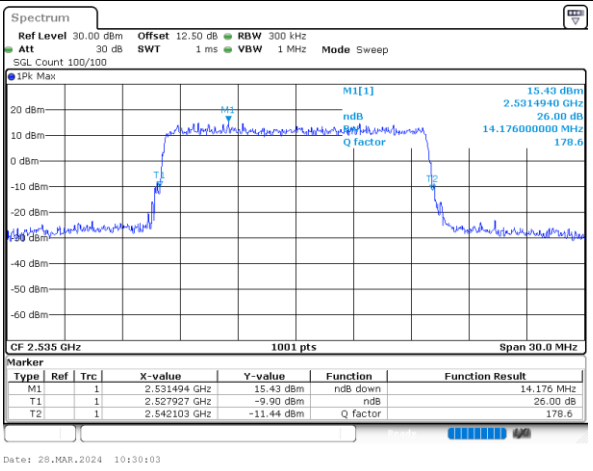
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK

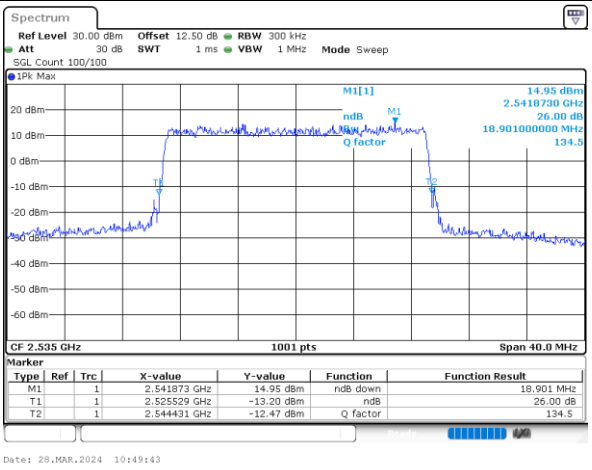


Middle Channel / 15MHz / 16QAM

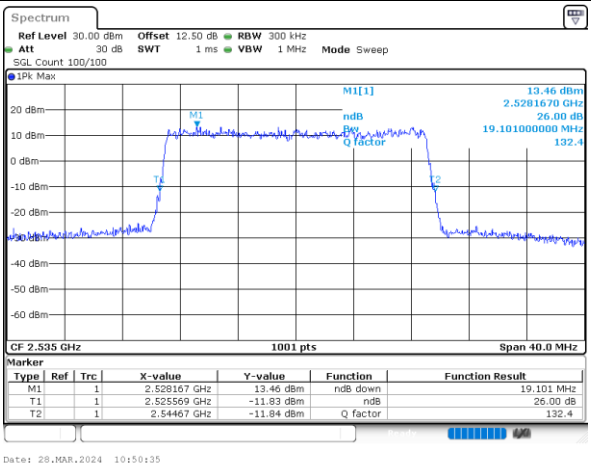


LTE Band 7

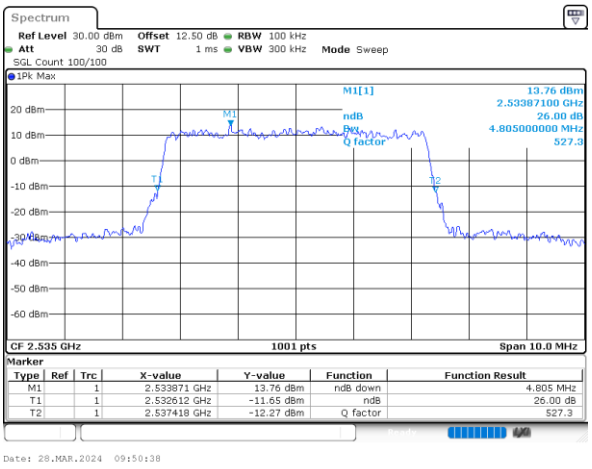
Middle Channel / 20MHz / QPSK



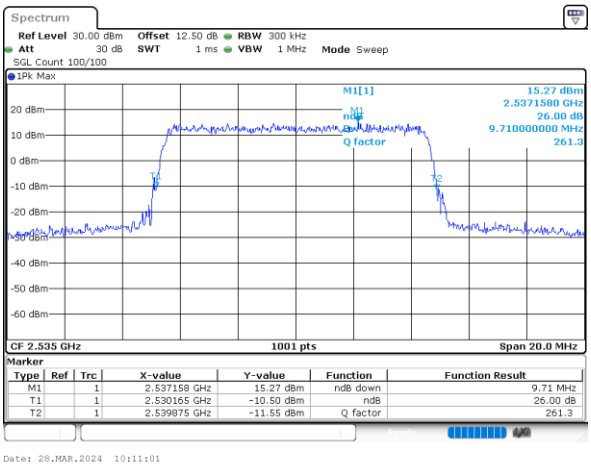
Middle Channel / 20MHz / 16QAM



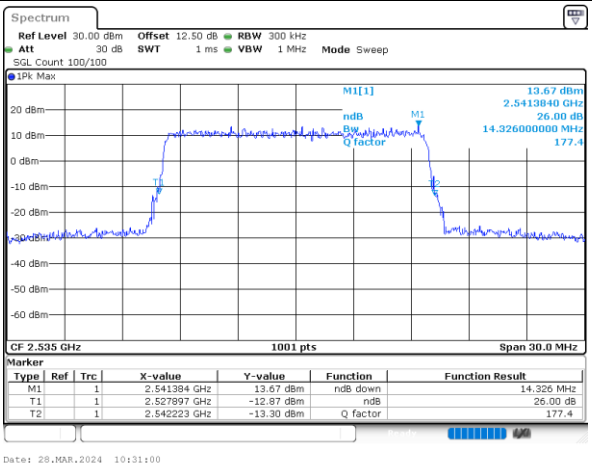
Middle Channel / 5MHz / 64QAM



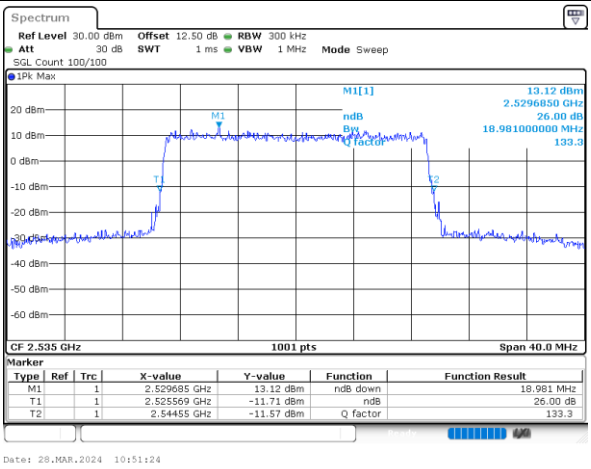
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM



Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.49	9.05	9.03	13.48	13.51	17.90	17.90
Mode	LTE Band 7 : 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	-	-	-	-	4.47	-	9.05	-	13.45	-	17.90	-