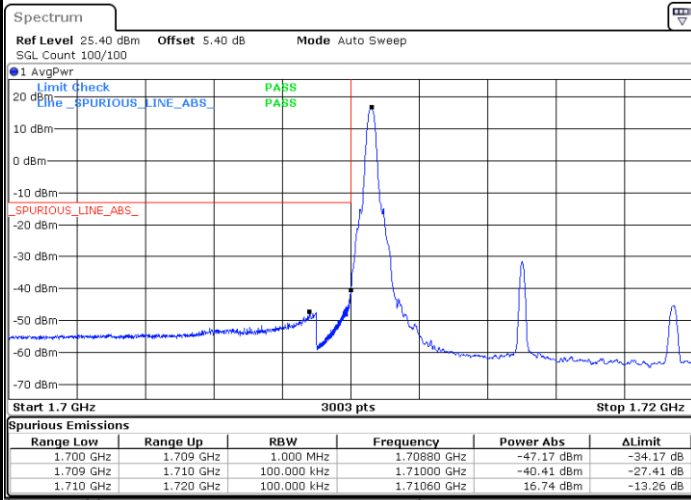




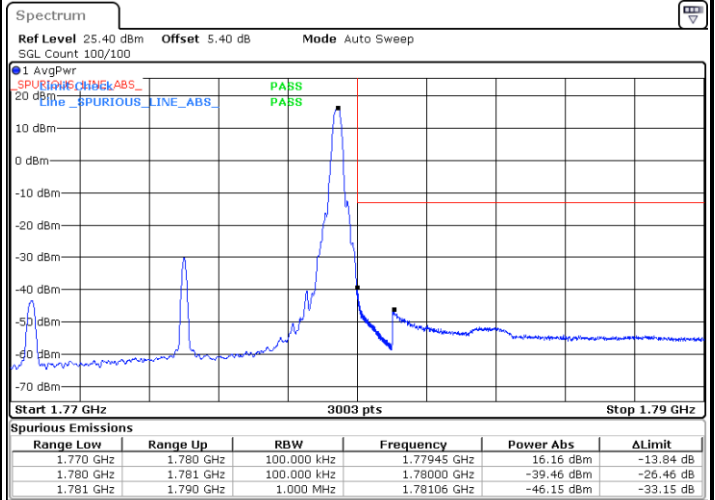
LTE Band 66 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



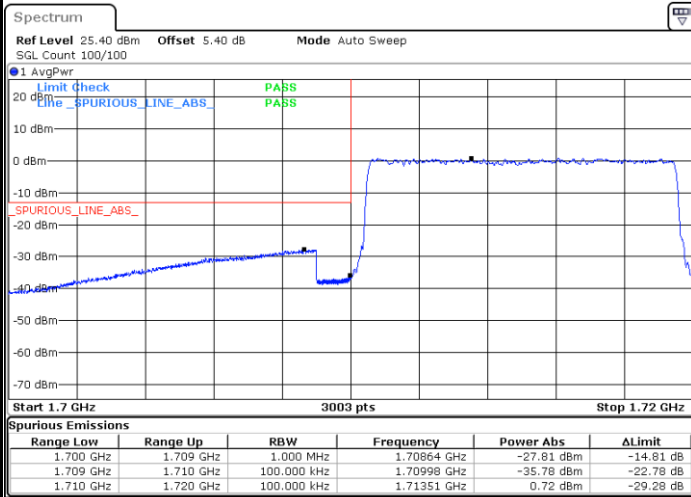
Date: 19.FEB.2023 04:04:28

Highest Band Edge / 1 RB



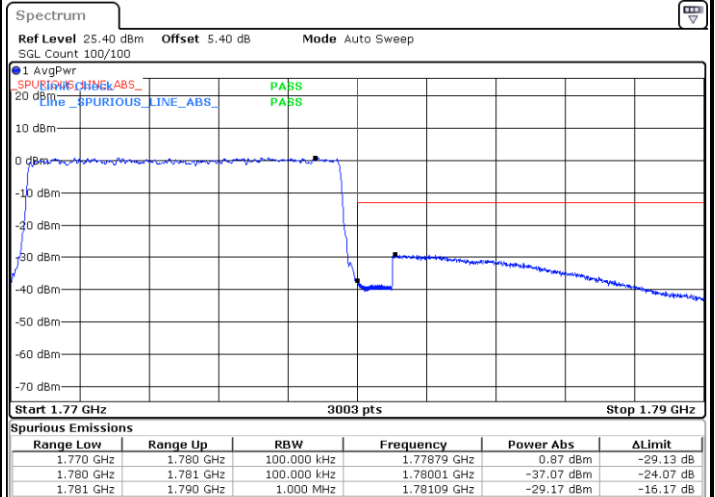
Date: 19.FEB.2023 04:15:23

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:08:35

Highest Band Edge / Full RB

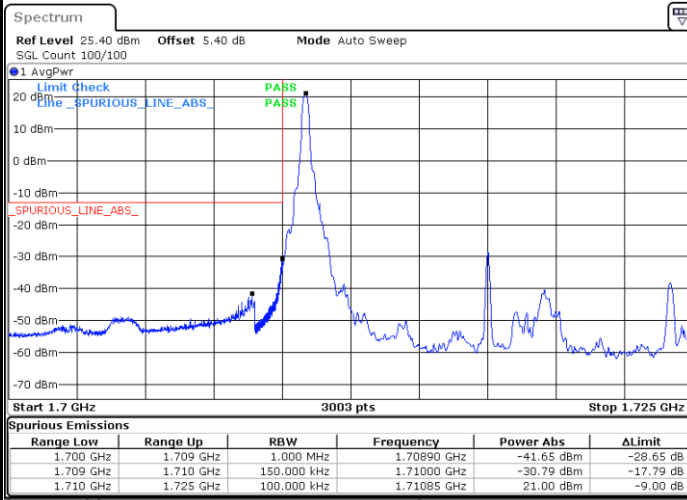


Date: 19.FEB.2023 04:19:29



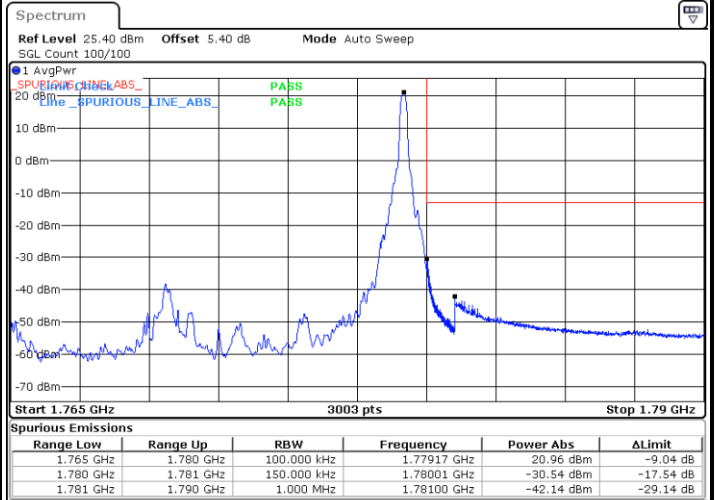
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



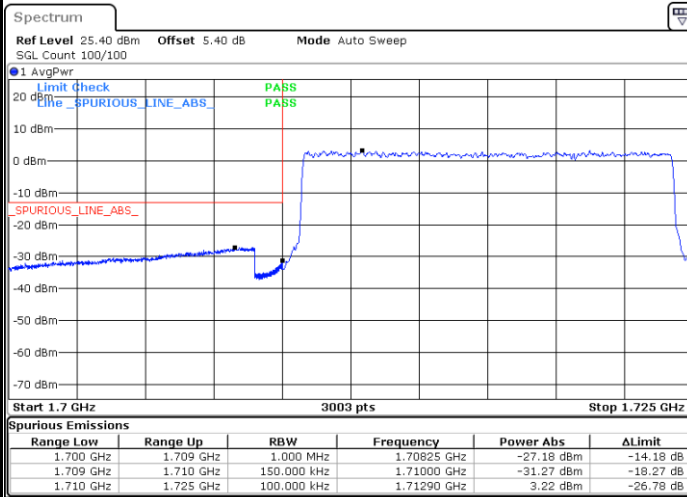
Date: 19.FEB.2023 04:22:04

Highest Band Edge / 1 RB



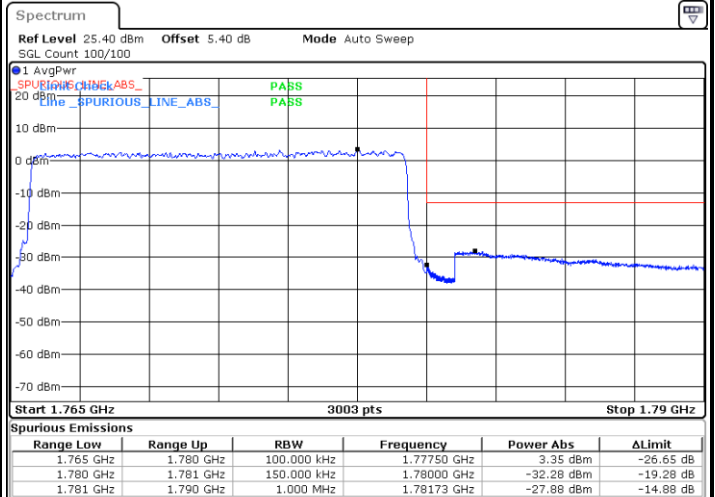
Date: 19.FEB.2023 04:33:01

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:26:11

Highest Band Edge / Full RB

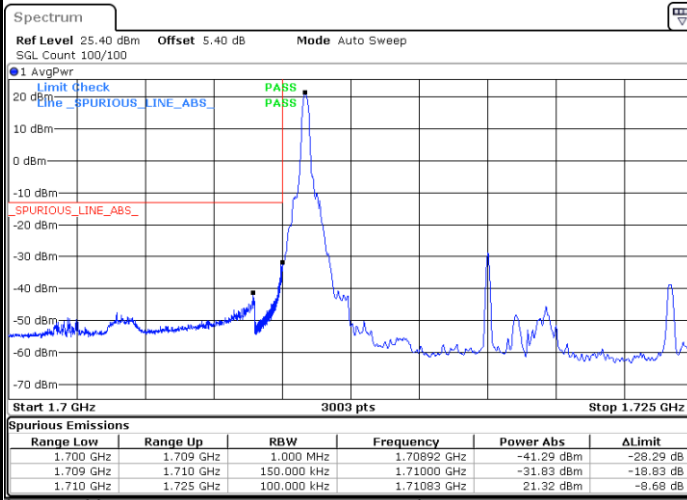


Date: 19.FEB.2023 04:37:07



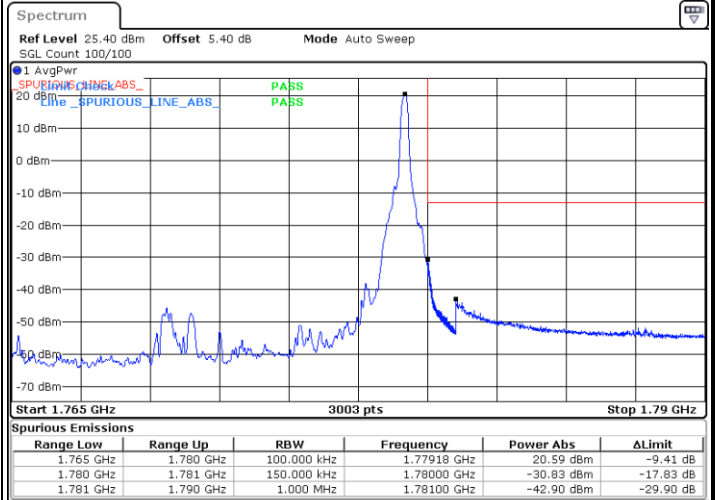
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



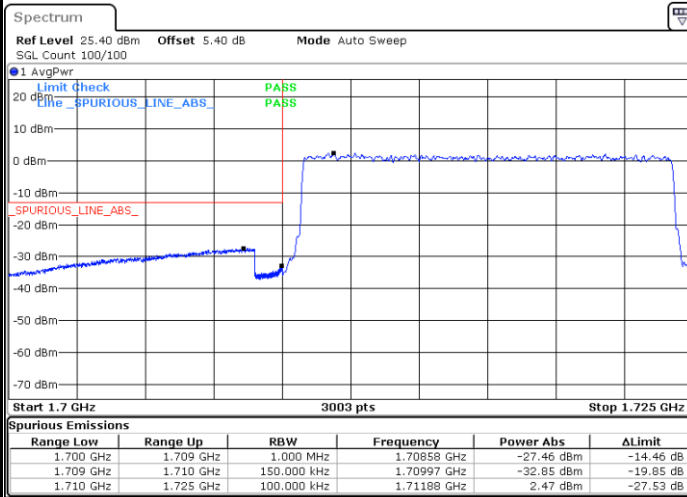
Date: 19.FEB.2023 04:23:05

Highest Band Edge / 1 RB



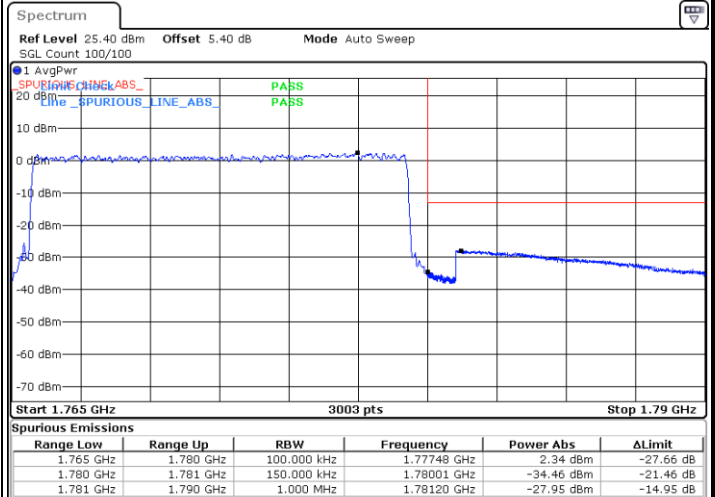
Date: 19.FEB.2023 04:34:00

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:27:12

Highest Band Edge / Full RB

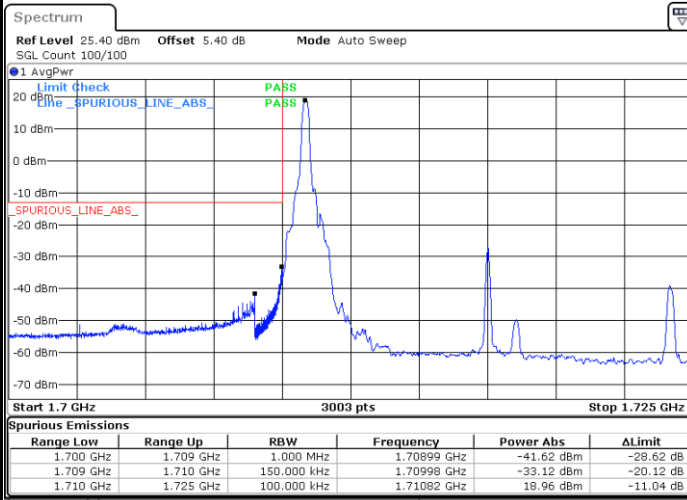


Date: 19.FEB.2023 04:38:08



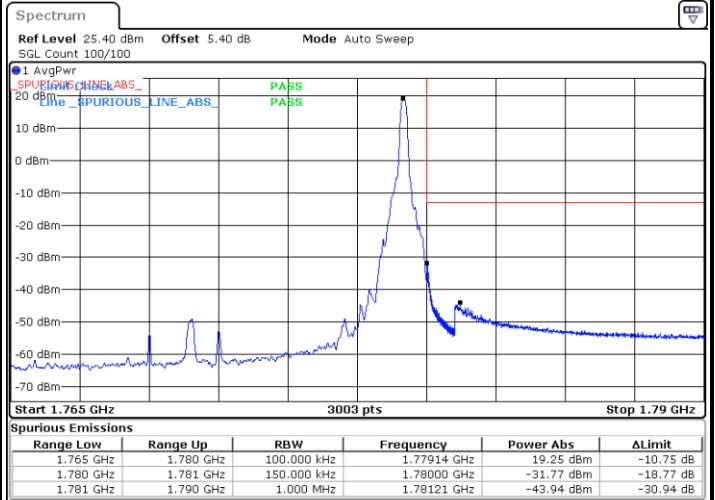
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



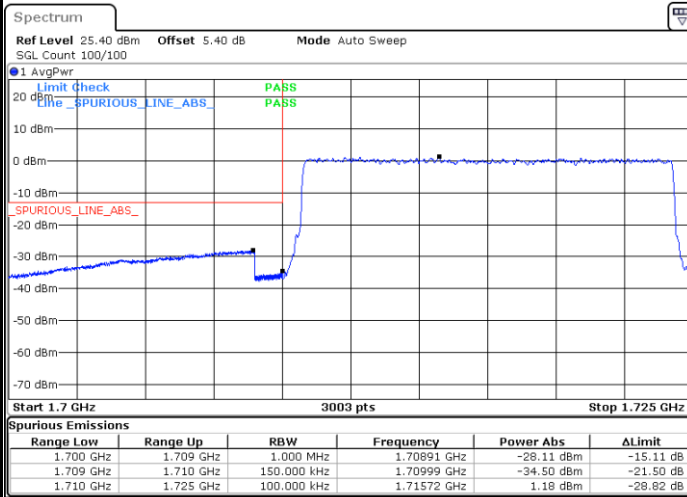
Date: 19.FEB.2023 04:24:05

Highest Band Edge / 1 RB



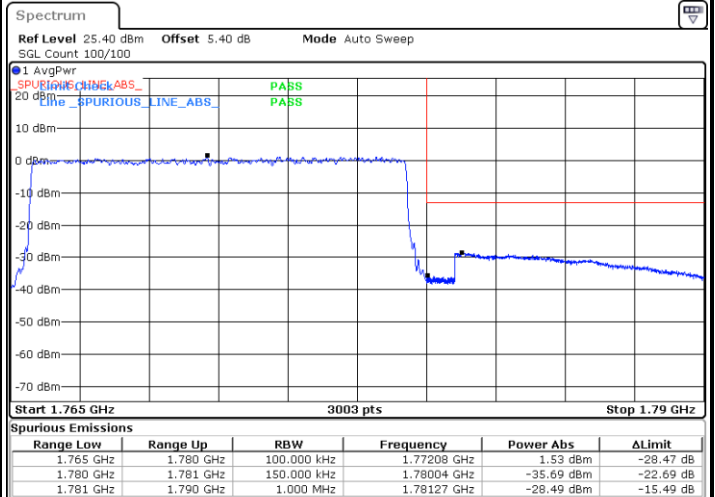
Date: 19.FEB.2023 04:35:02

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:28:13

Highest Band Edge / Full RB

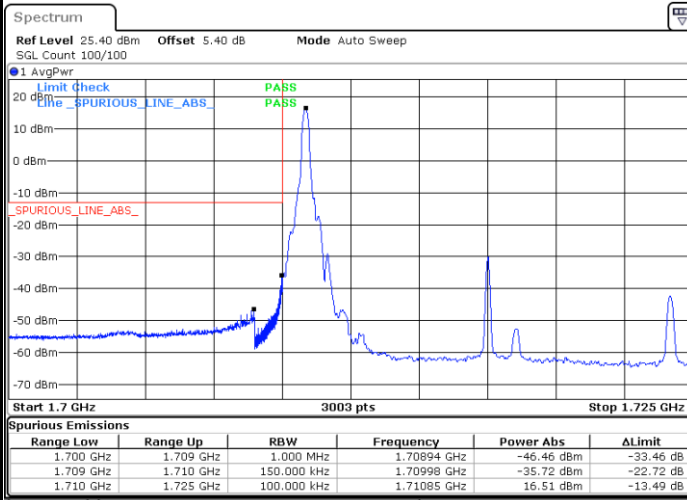


Date: 19.FEB.2023 04:39:09



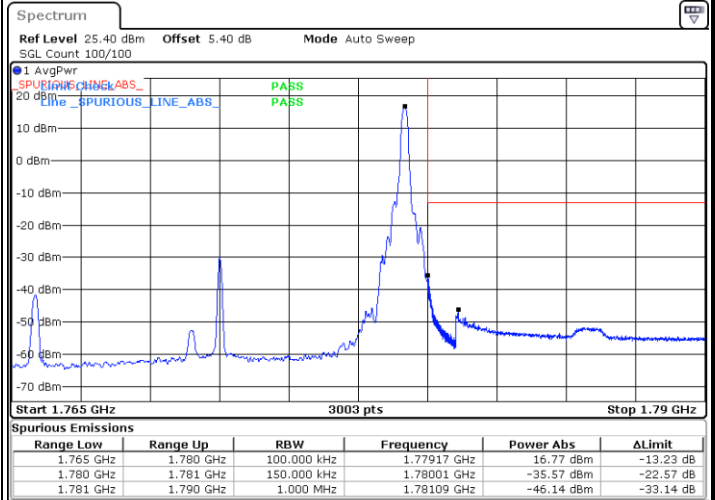
LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



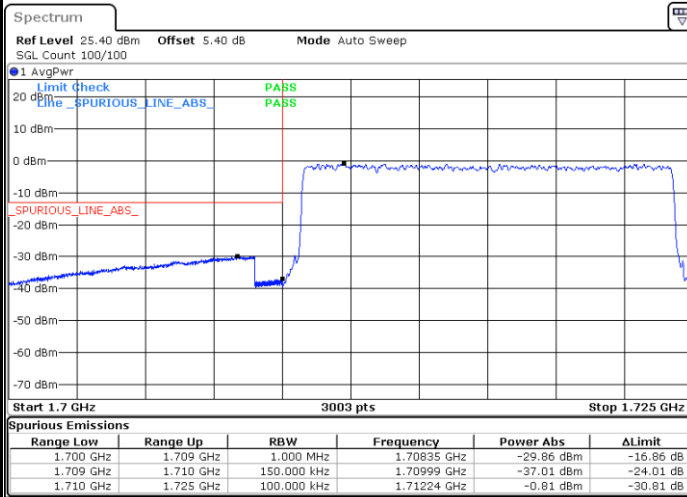
Date: 19.FEB.2023 04:25:07

Highest Band Edge / 1 RB



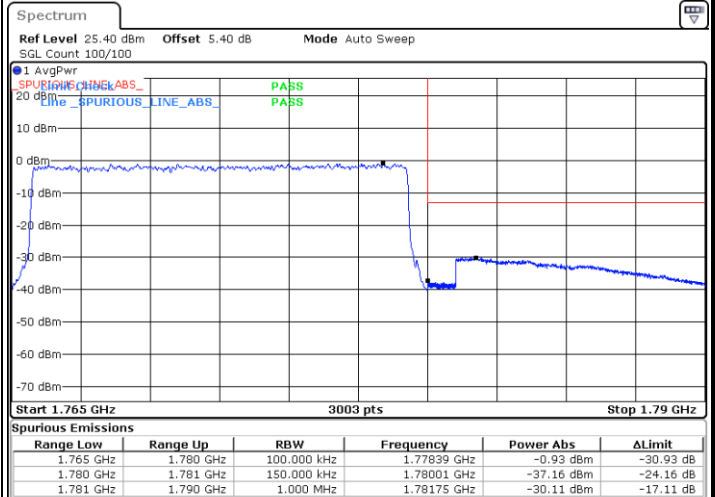
Date: 19.FEB.2023 04:36:03

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:29:15

Highest Band Edge / Full RB



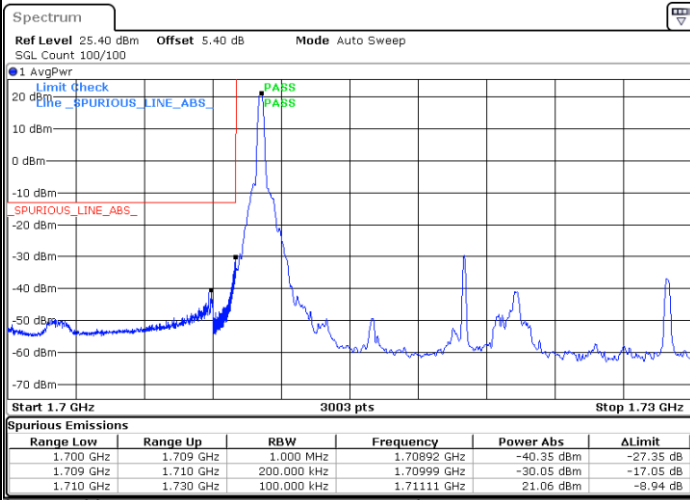
Date: 19.FEB.2023 04:40:10



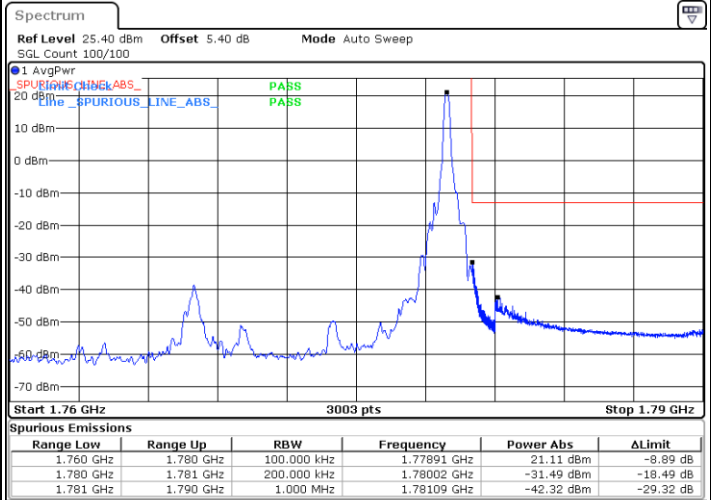
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



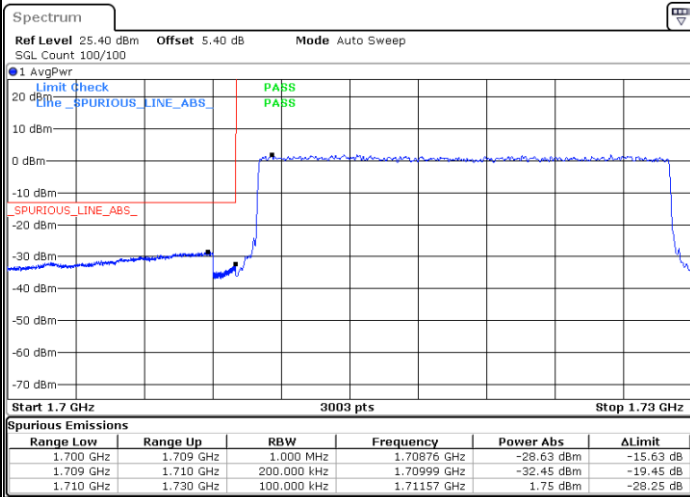
Date: 19.FEB.2023 04:51:34



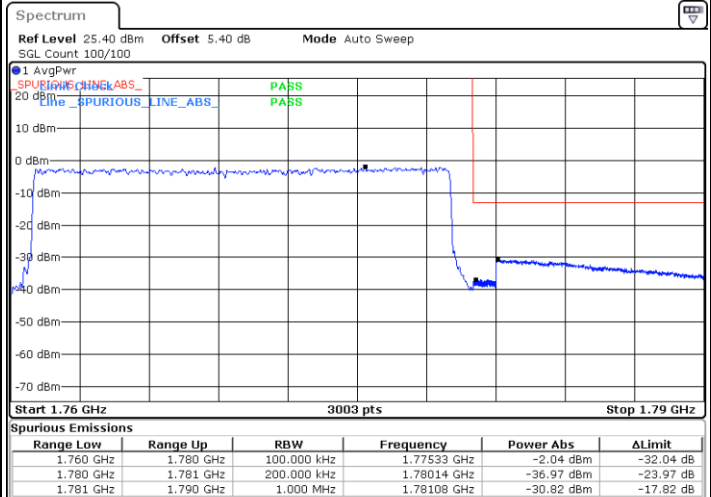
Date: 19.FEB.2023 05:02:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.FEB.2023 04:55:40

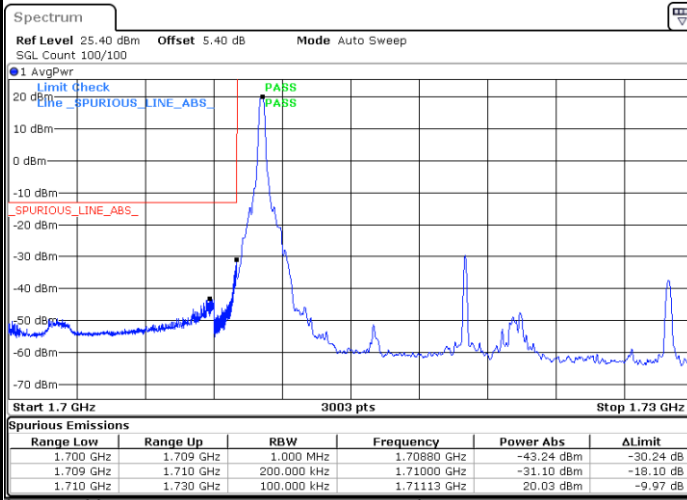


Date: 19.FEB.2023 05:09:40



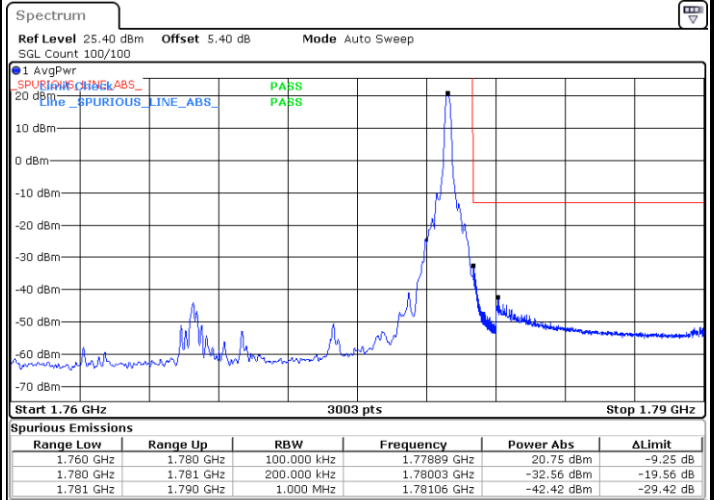
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



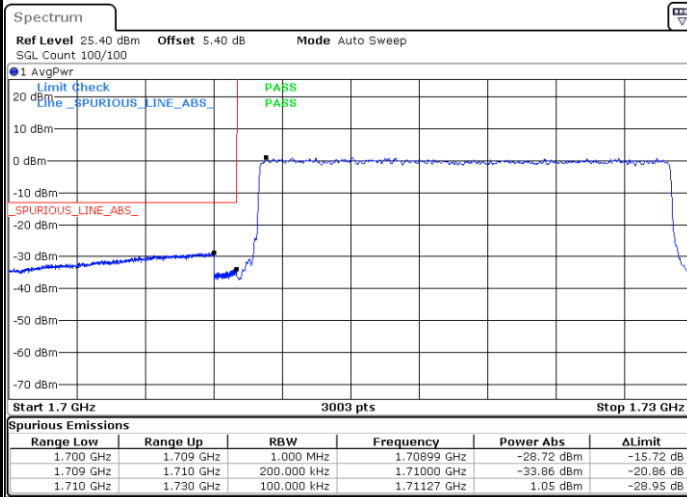
Date: 19.FEB.2023 04:52:34

Highest Band Edge / 1 RB



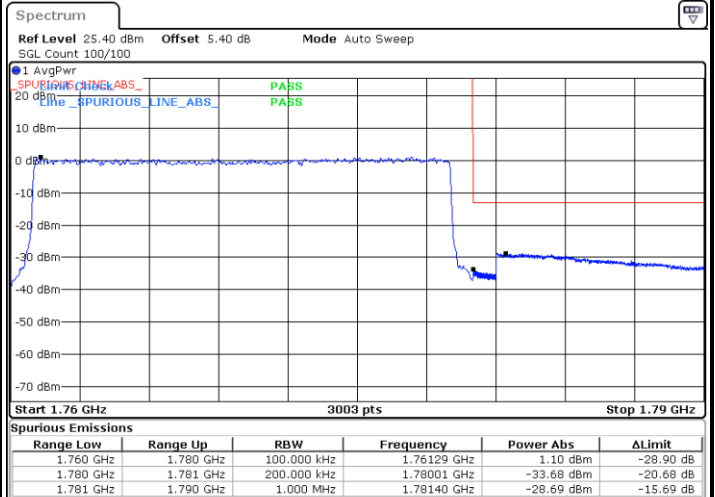
Date: 19.FEB.2023 05:03:29

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:56:41

Highest Band Edge / Full RB

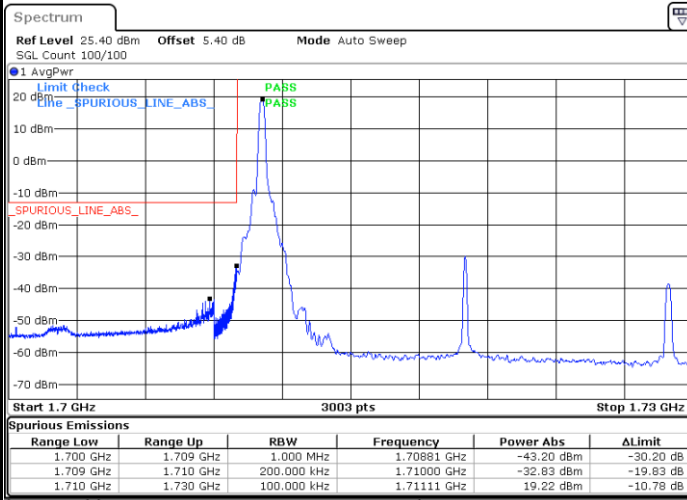


Date: 19.FEB.2023 05:07:37

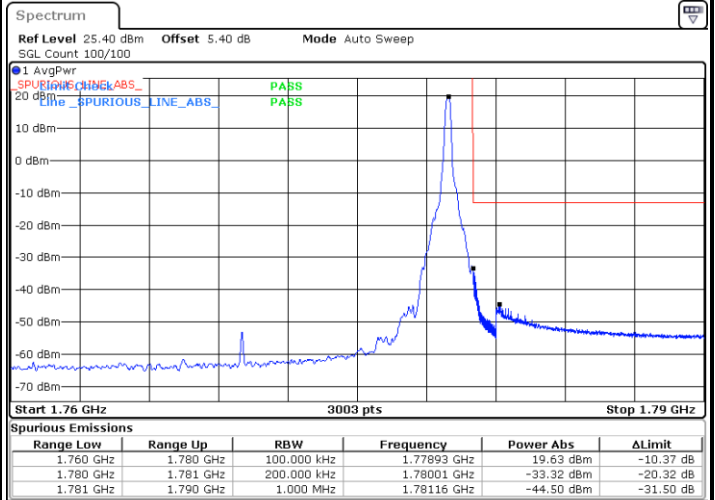


LTE Band 66 / 20MHz / 64QAM

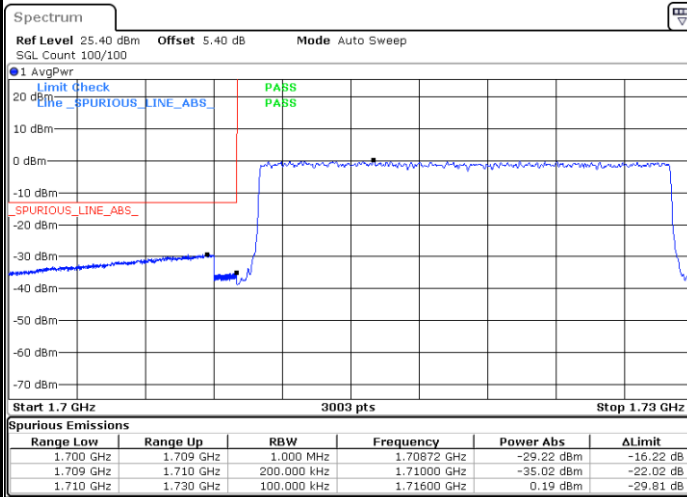
Lowest Band Edge / 1 RB



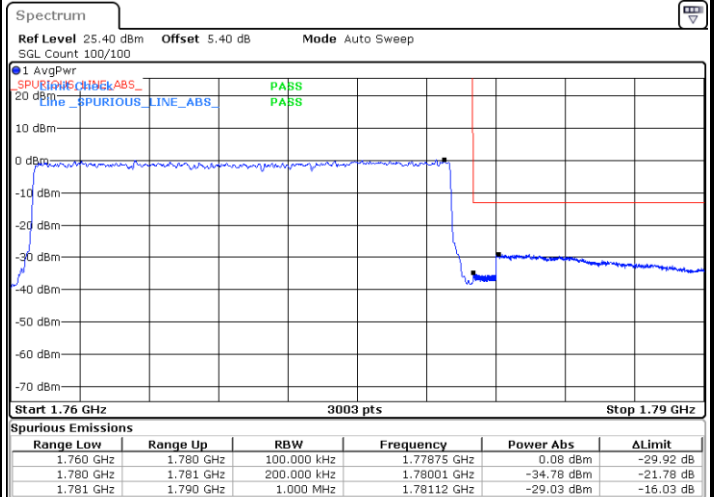
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

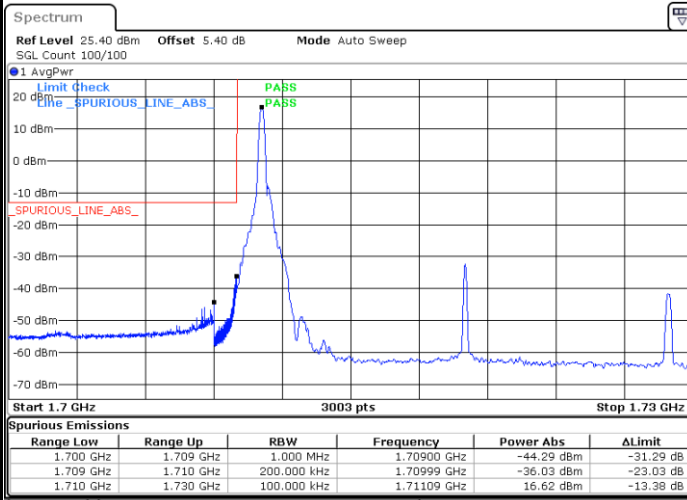






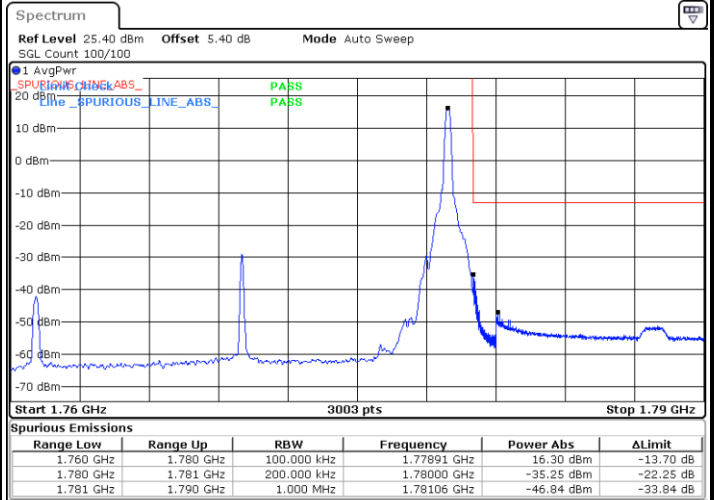
LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



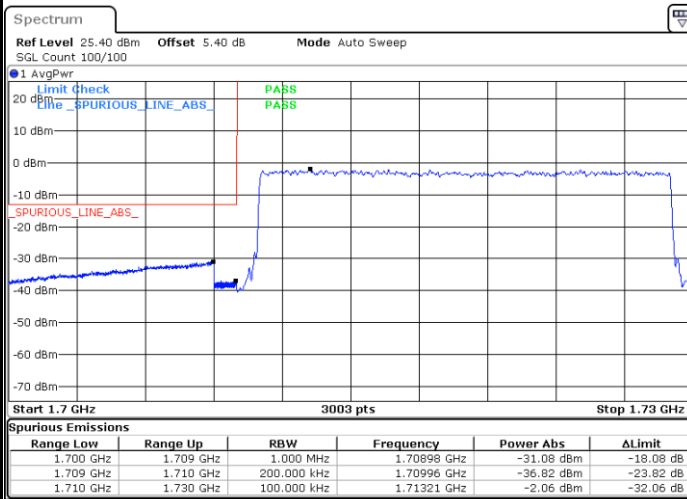
Date: 19.FEB.2023 04:54:37

Highest Band Edge / 1 RB



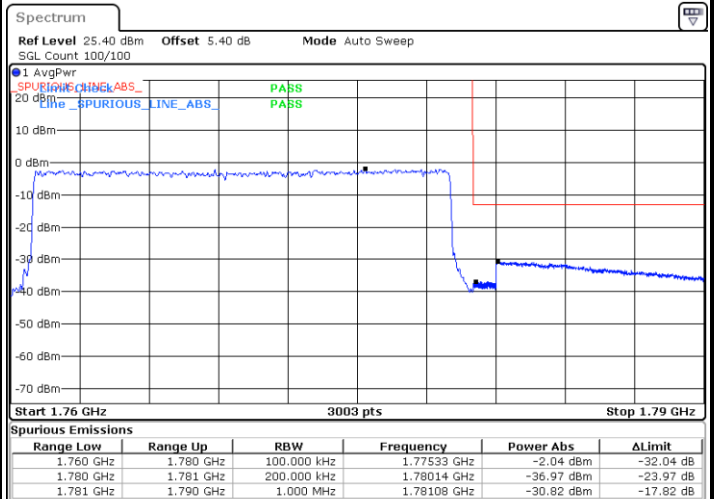
Date: 19.FEB.2023 05:05:31

Lowest Band Edge / Full RB



Date: 19.FEB.2023 04:58:42

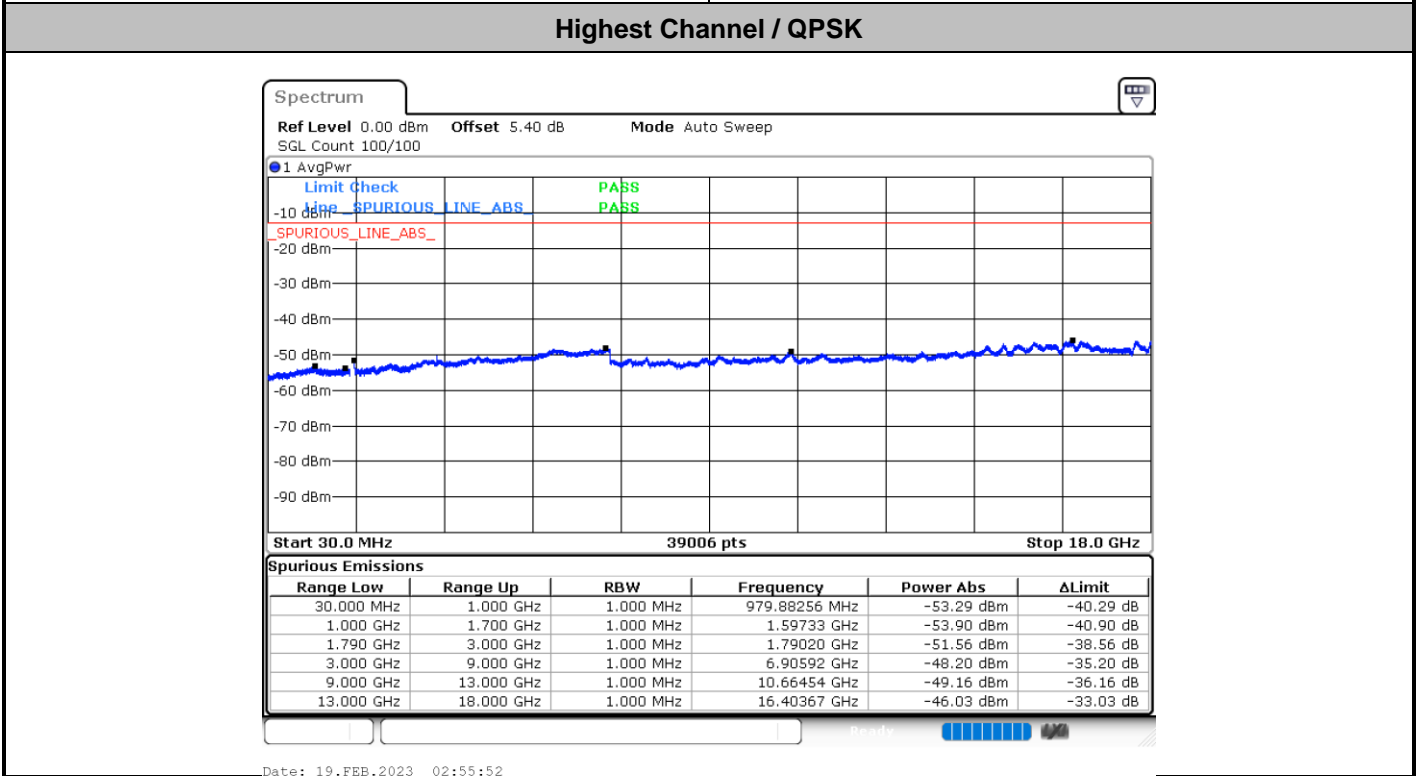
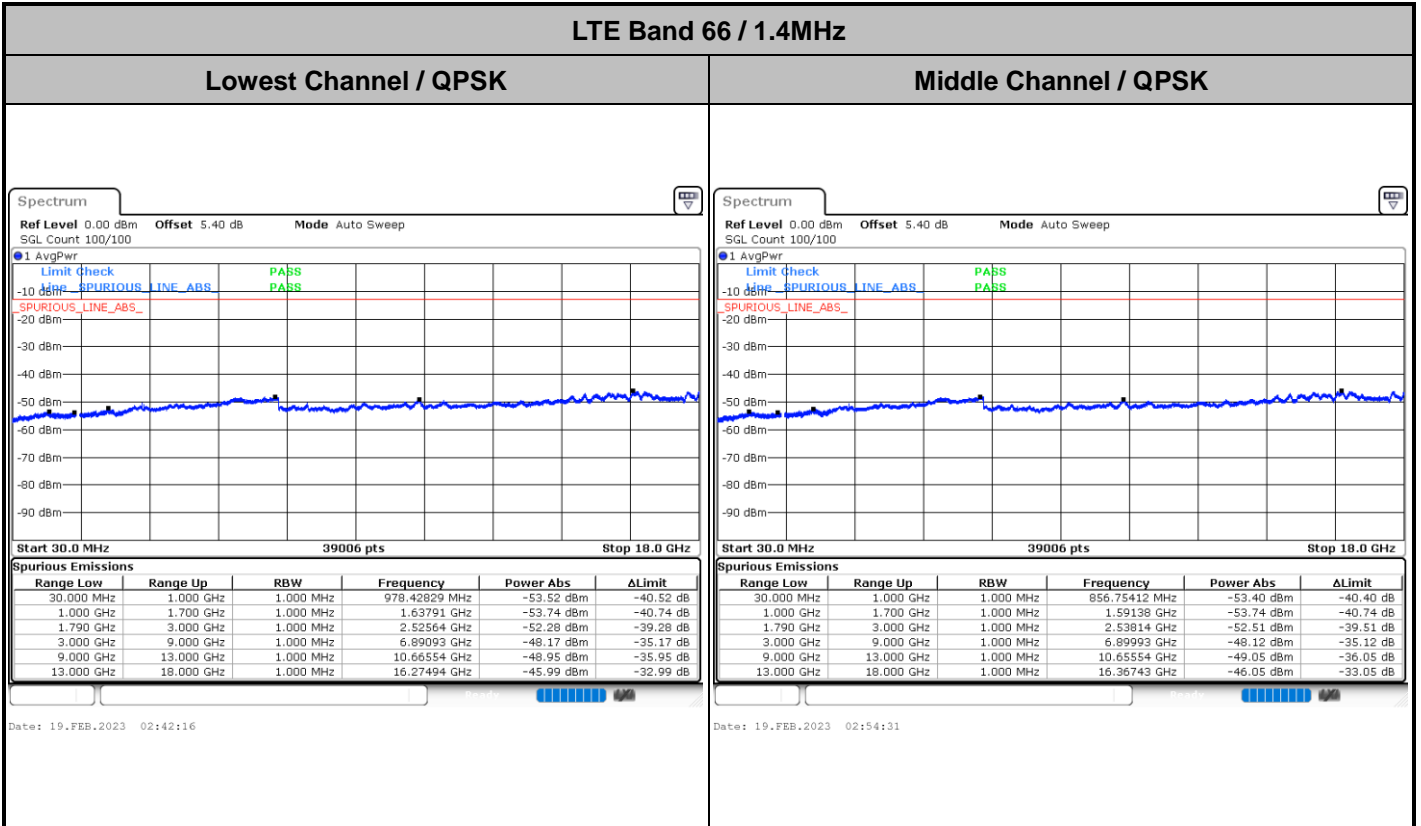
Highest Band Edge / Full RB



Date: 19.FEB.2023 05:09:40



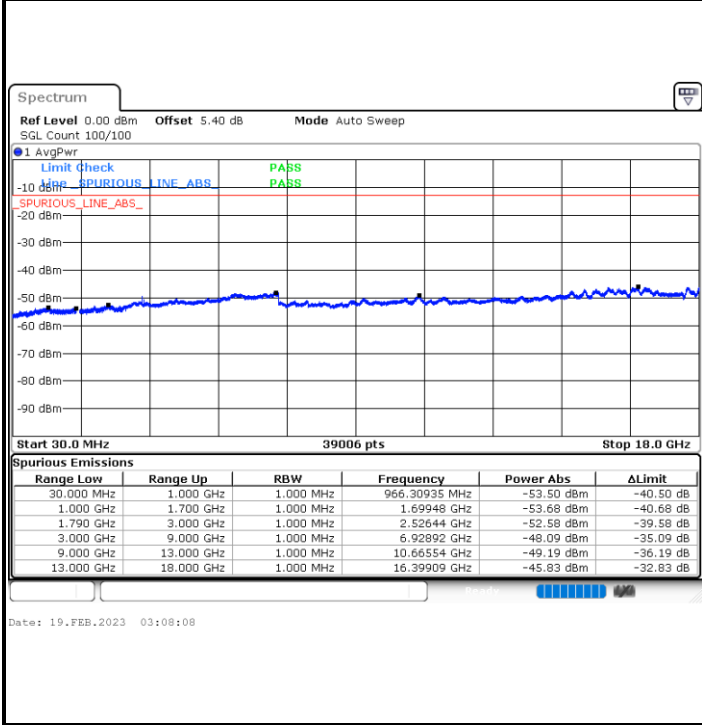
# Conducted Spurious Emission



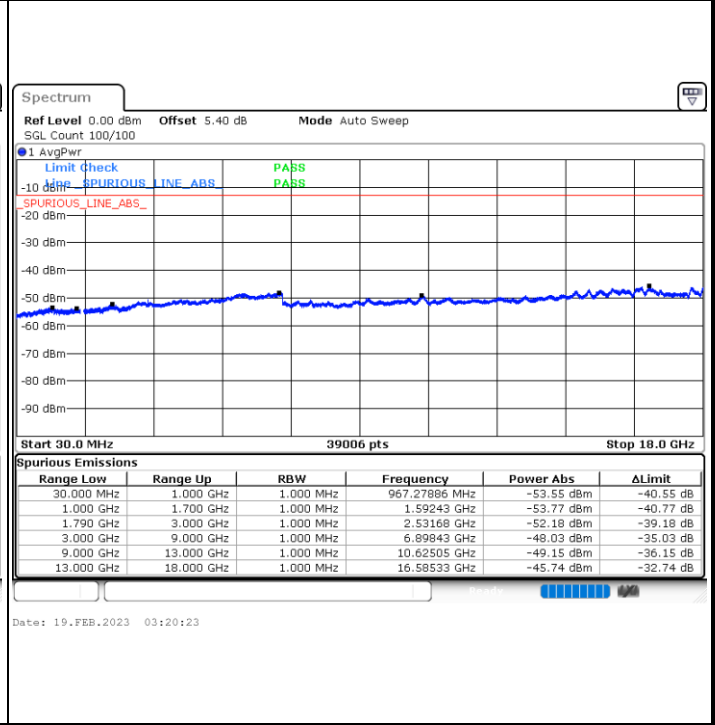


**LTE Band 66 / 3MHz**

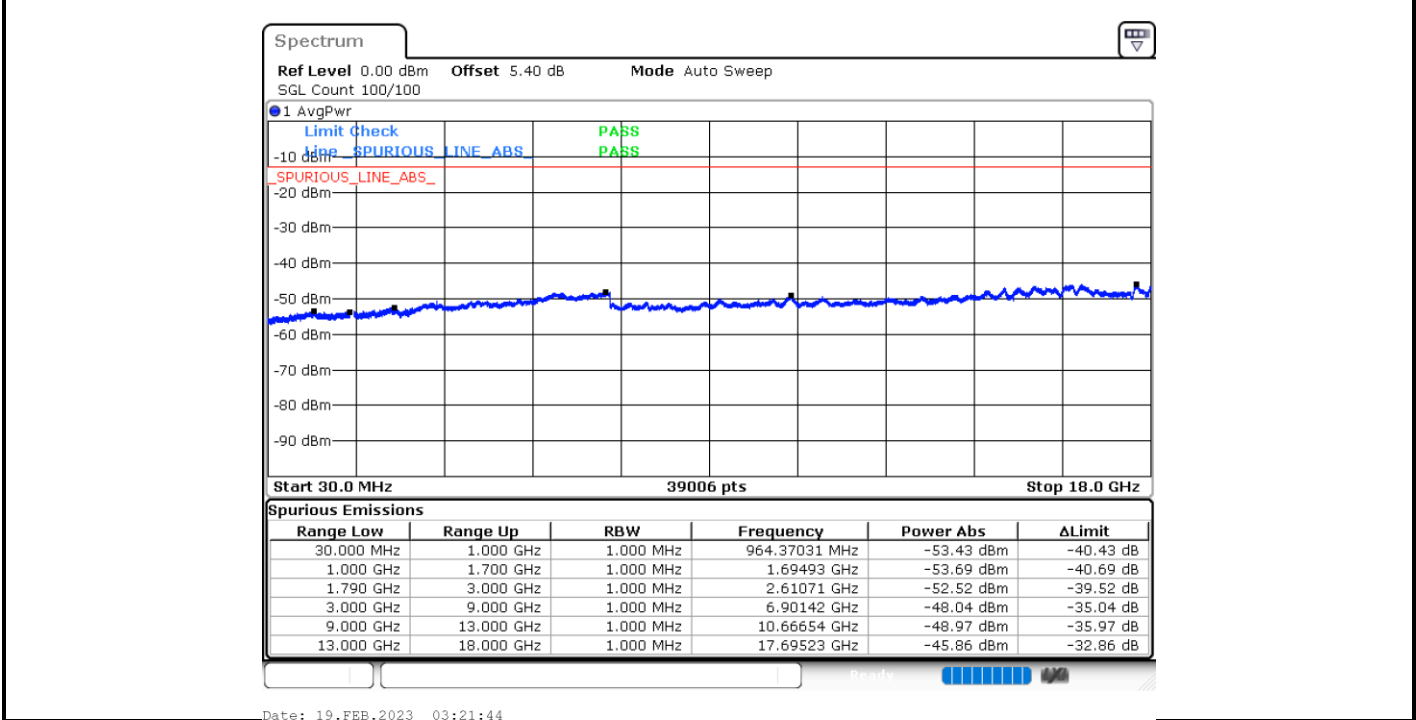
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



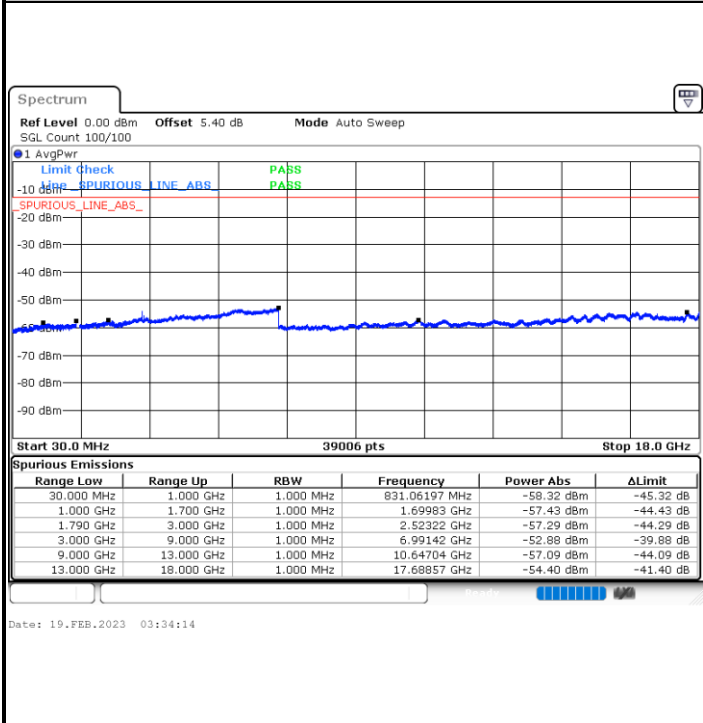
**Highest Channel / QPSK**



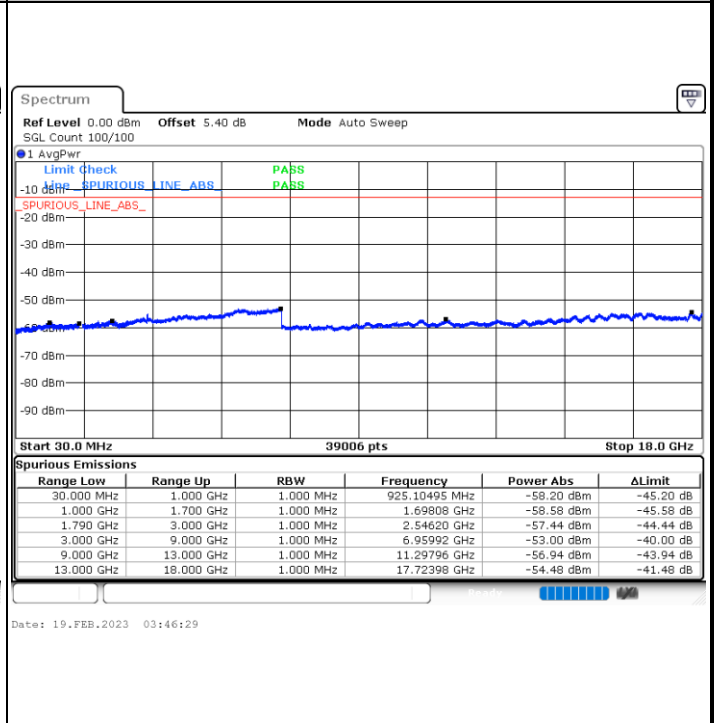


**LTE Band 66 / 5MHz**

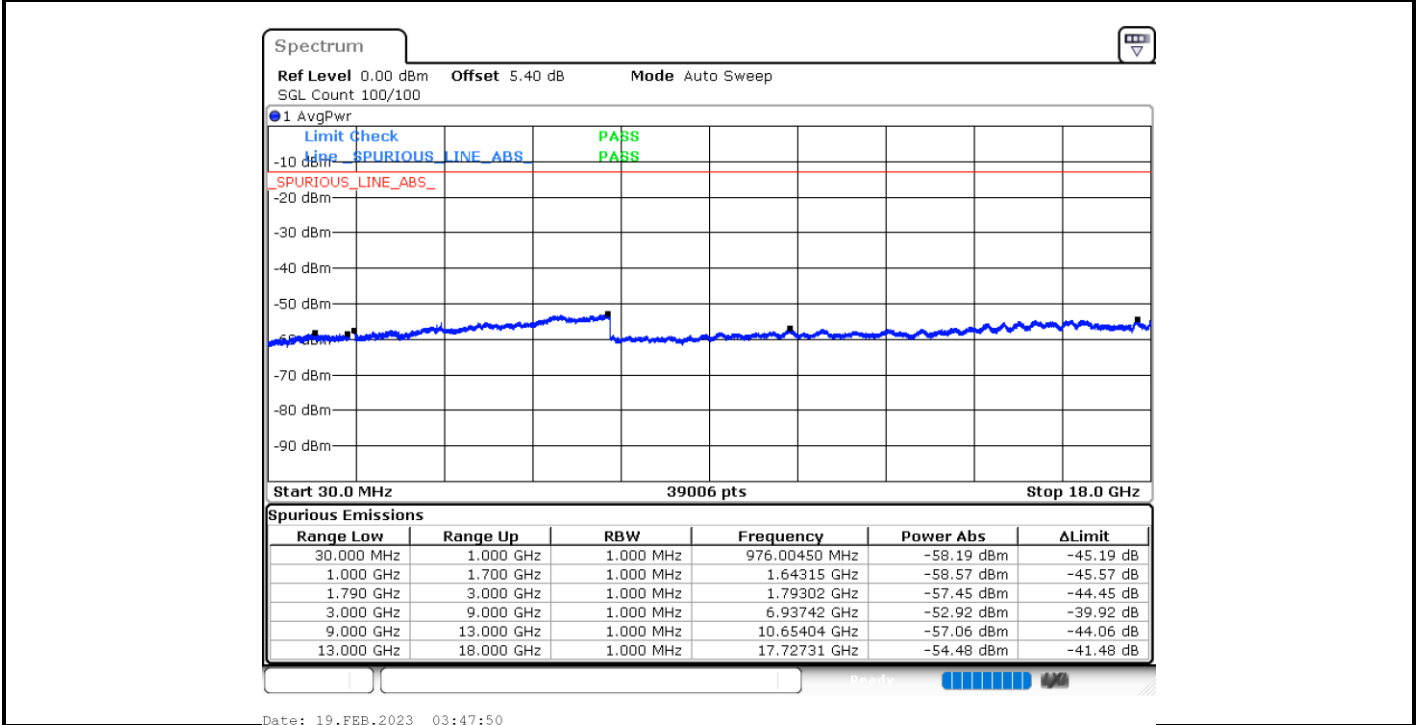
**Lowest Channel / QPSK**



**Middle Channel / QPSK**

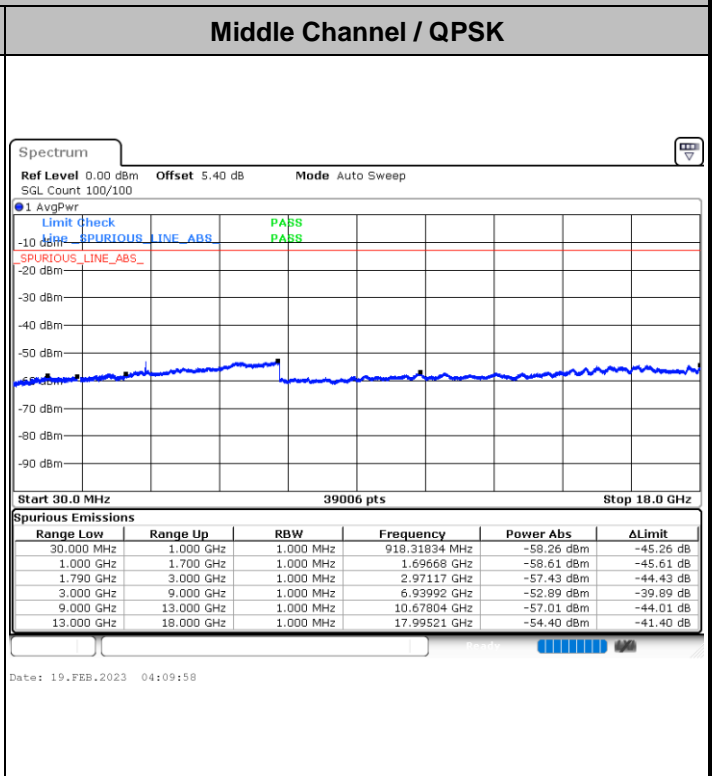
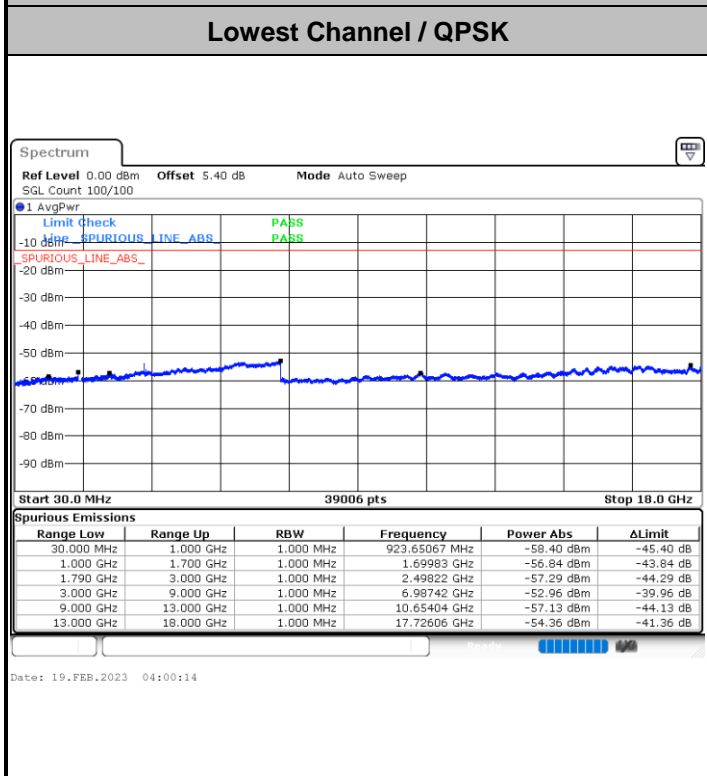


**Highest Channel / QPSK**

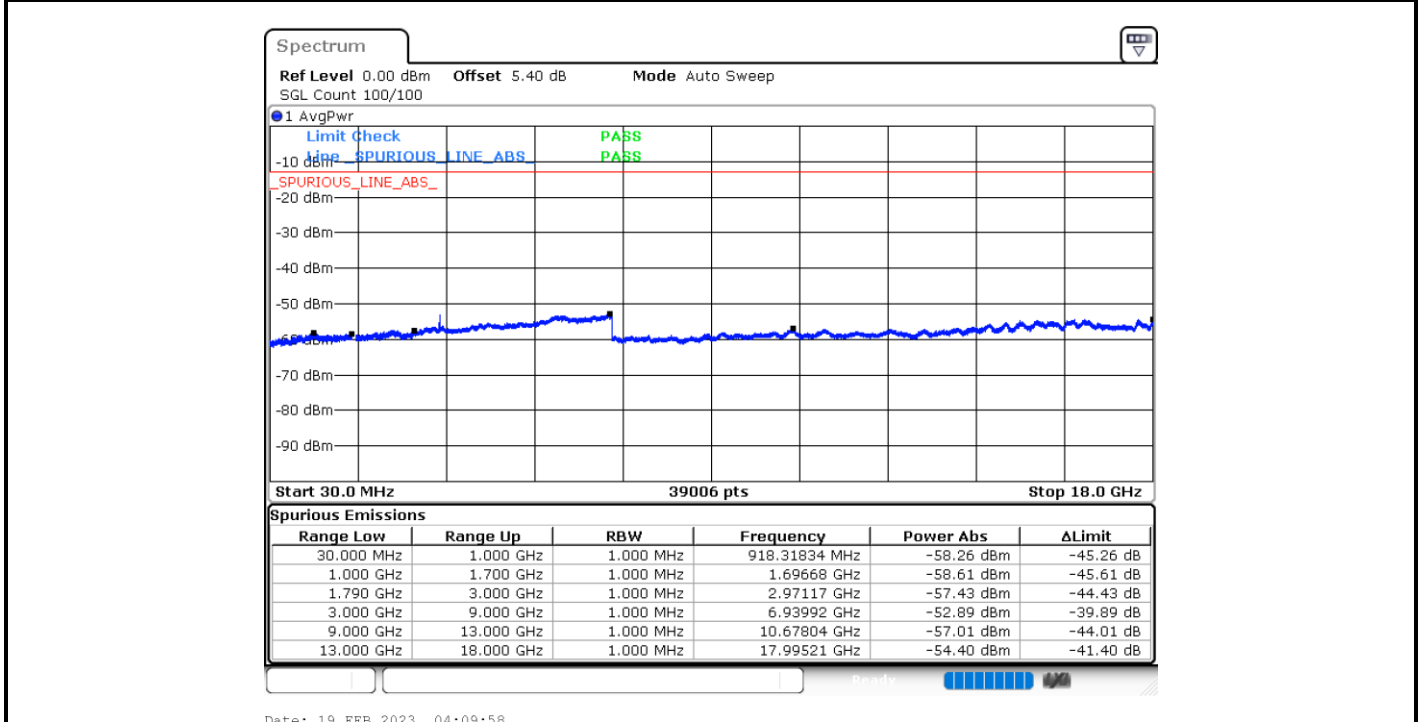




**LTE Band 66 / 10MHz**



**Highest Channel / QPSK**

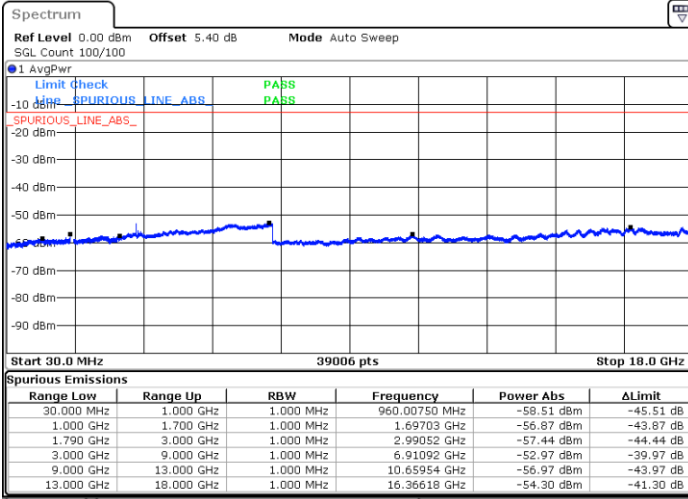




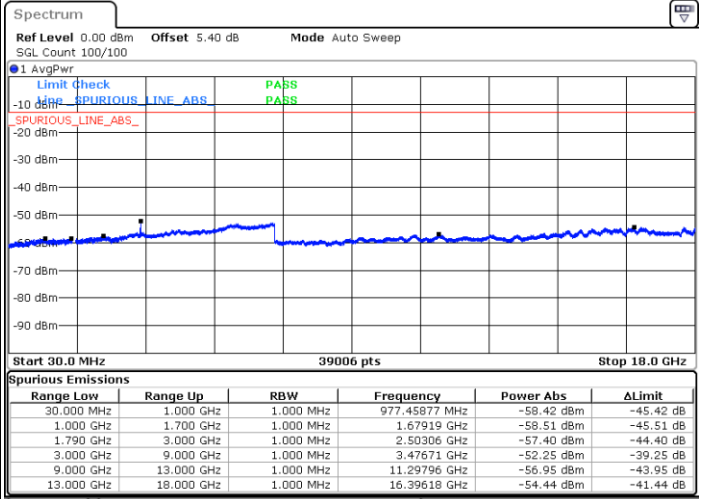
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

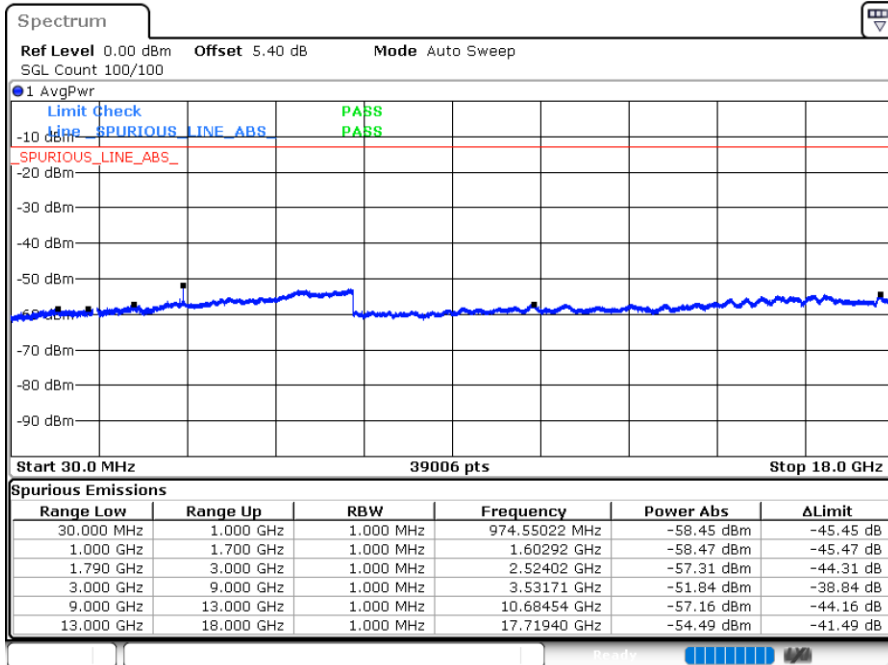


Date: 19.FEB.2023 04:21:04



Date: 19.FEB.2023 04:30:38

Highest Channel / QPSK



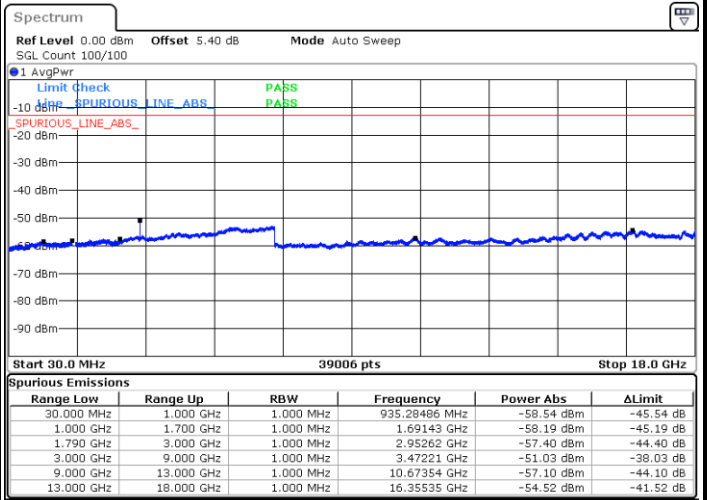
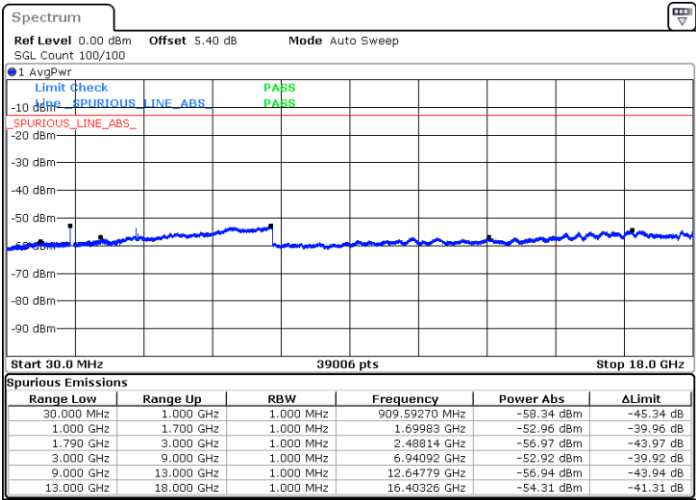
Date: 19.FEB.2023 04:32:00



LTE Band 66 / 20MHz

Lowest Channel / QPSK

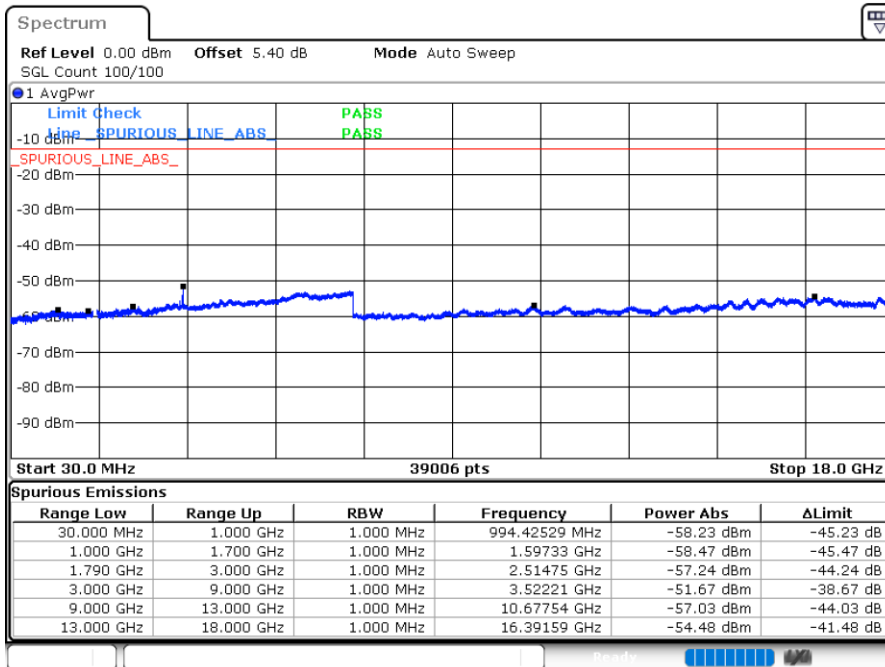
Middle Channel / QPSK



Date: 19.FEB.2023 04:50:33

Date: 19.FEB.2023 05:00:06

Highest Channel / QPSK



Date: 19.FEB.2023 05:01:27



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

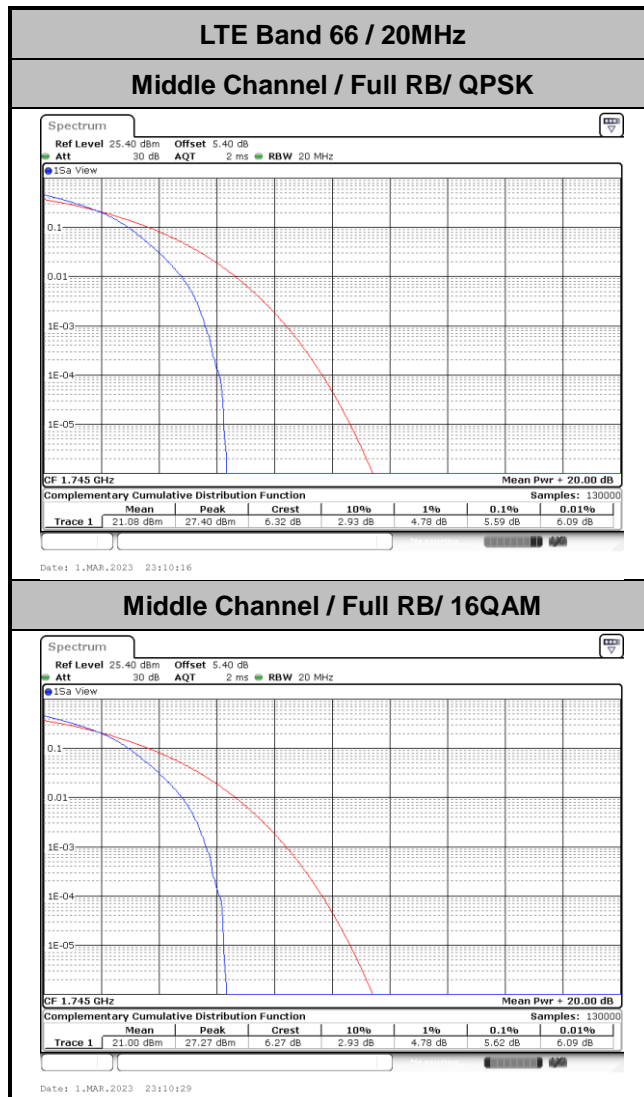


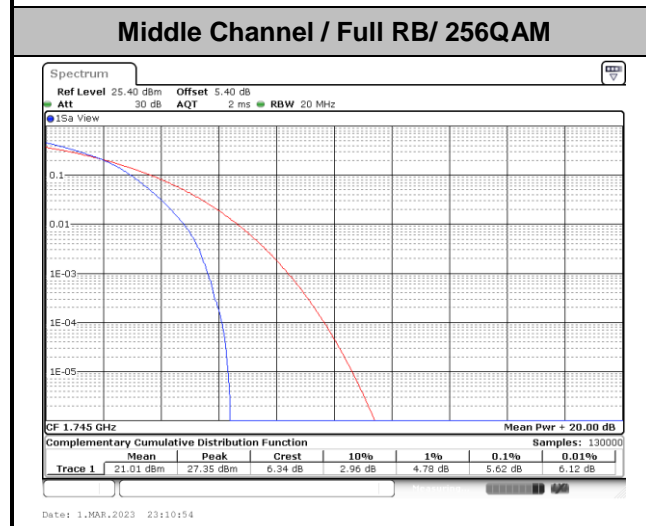
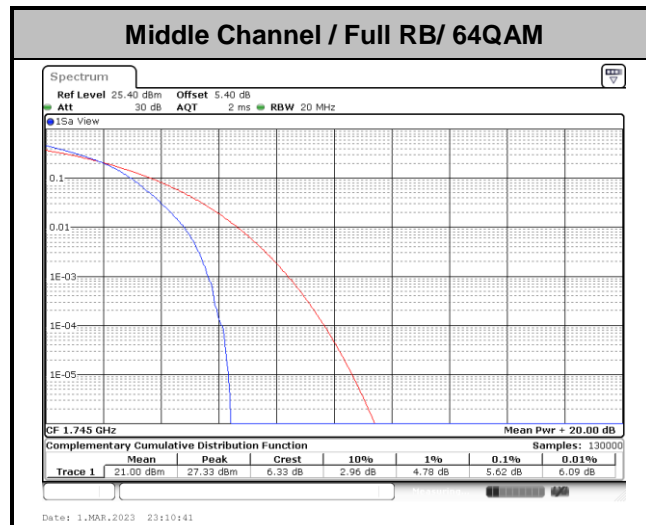


# LTE Band 66 for Other PA

## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.59	5.62	5.62	5.62	PASS







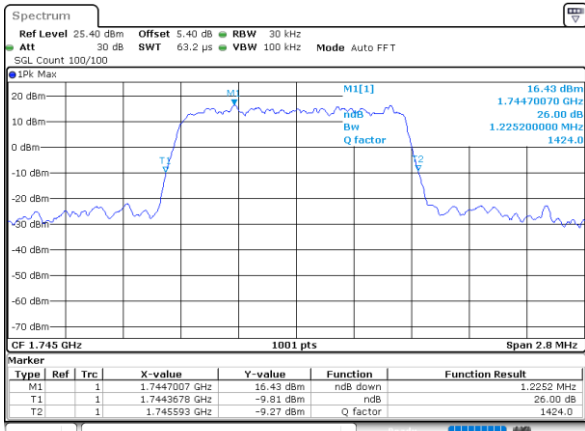
**26dB Bandwidth**

Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.23	1.24
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.01	3.02
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.95	4.95
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.67
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.30	14.54
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.98	18.66



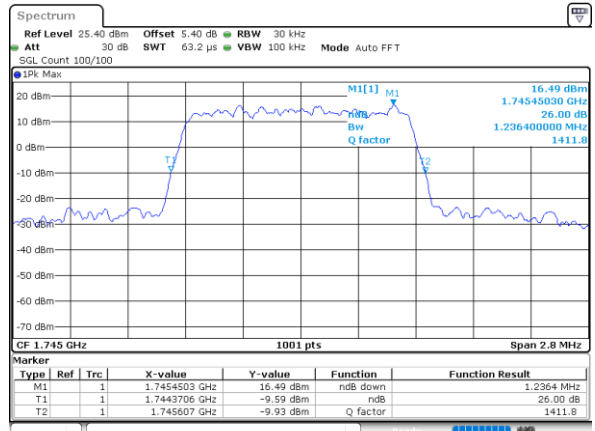
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 1.MAR.2023 21:28:36

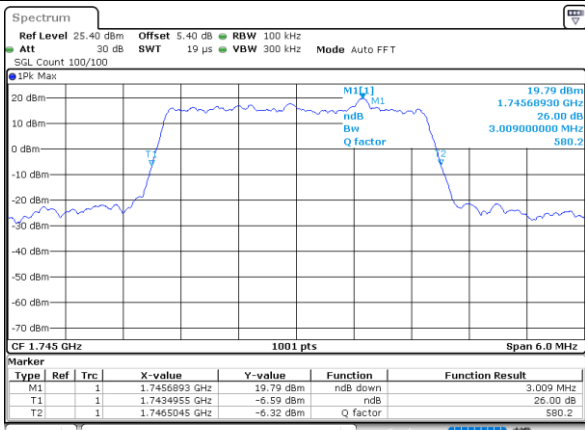
Middle Channel / 1.4MHz / 16QAM



Date: 1.MAR.2023 21:29:01

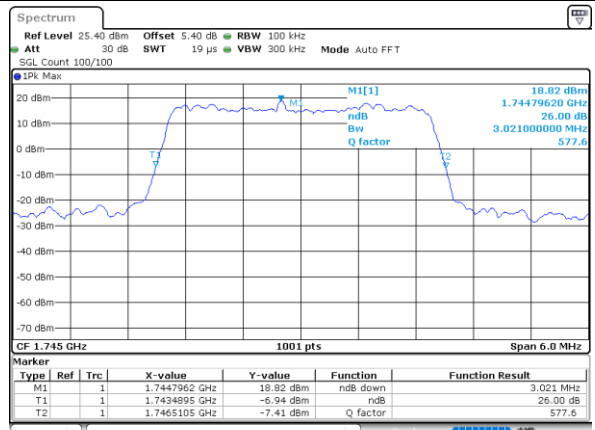
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 1.MAR.2023 21:50:44

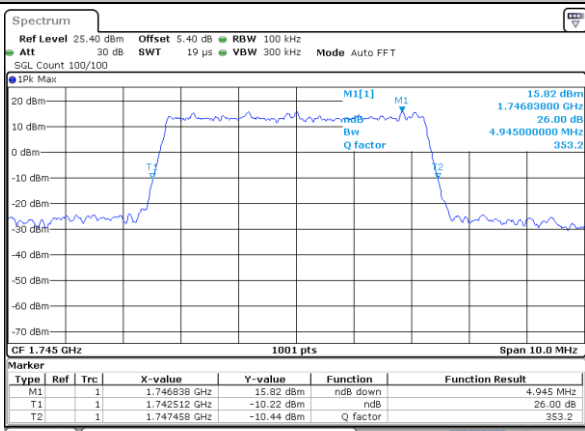
Middle Channel / 3MHz / 16QAM



Date: 1.MAR.2023 21:51:07

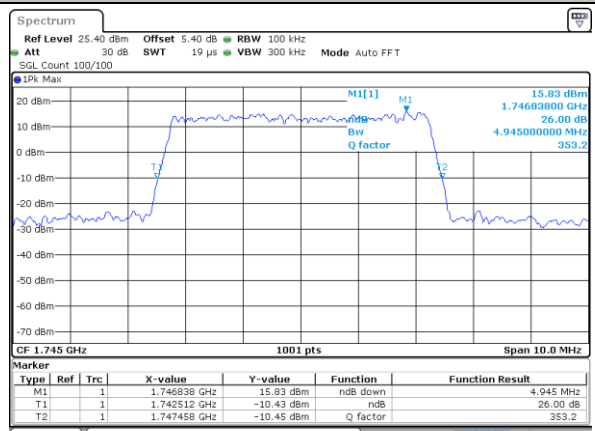
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 1.MAR.2023 22:13:50

Middle Channel / 5MHz / 16QAM

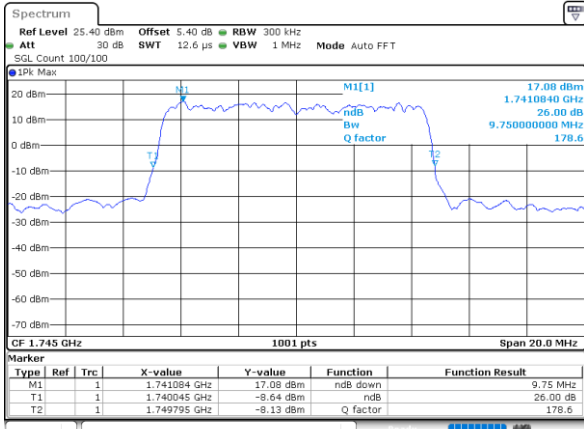


Date: 1.MAR.2023 22:14:10



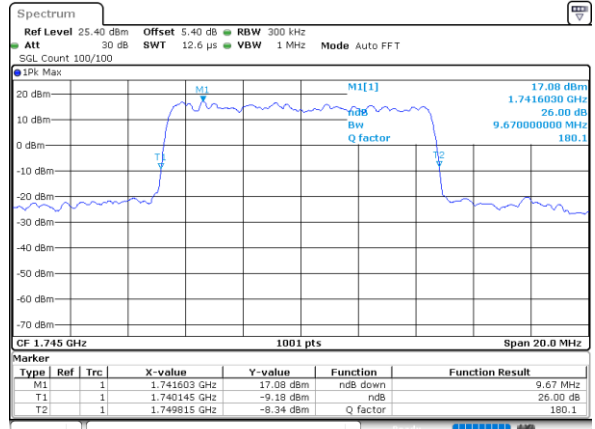
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 1.MAR.2023 22:40:51

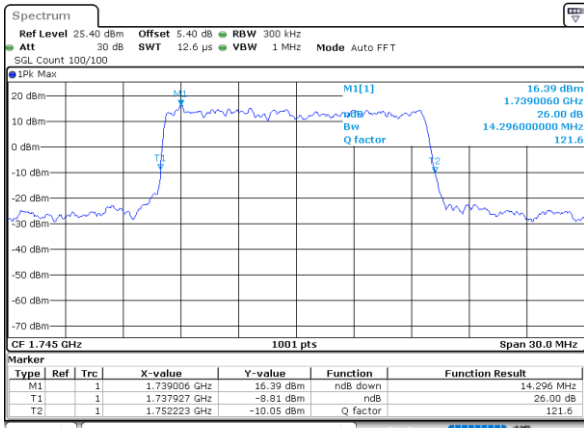
Middle Channel / 10MHz / 16QAM



Date: 1.MAR.2023 22:41:13

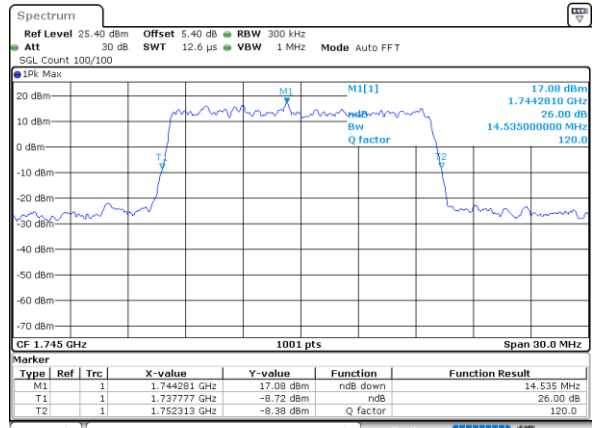
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 1.MAR.2023 22:52:58

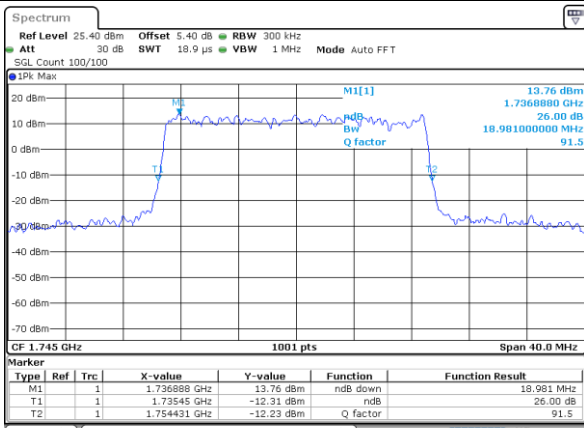
Middle Channel / 15MHz / 16QAM



Date: 1.MAR.2023 22:53:19

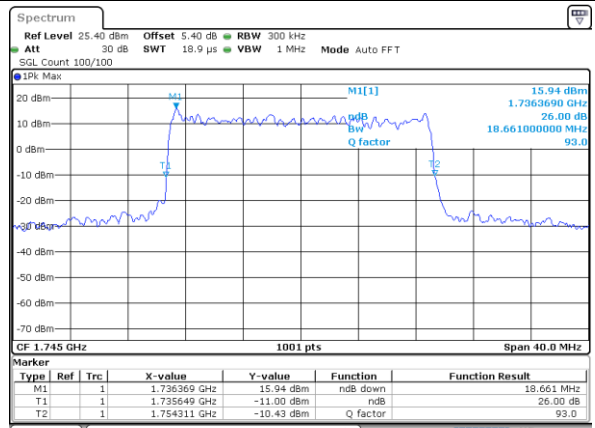
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 1.MAR.2023 23:09:31

Middle Channel / 20MHz / 16QAM



Date: 1.MAR.2023 23:09:54



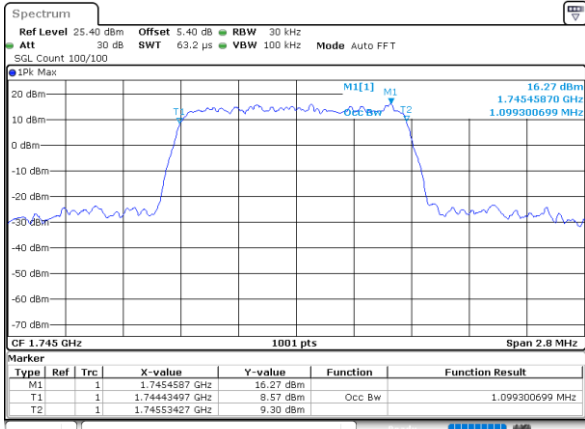
### Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.11	9.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.86



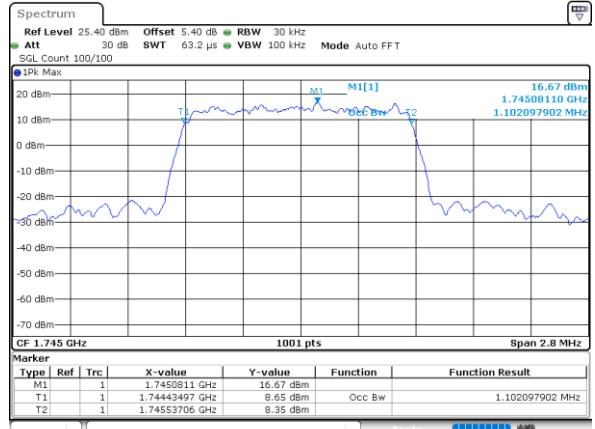
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 1.MAR.2023 21:28:26

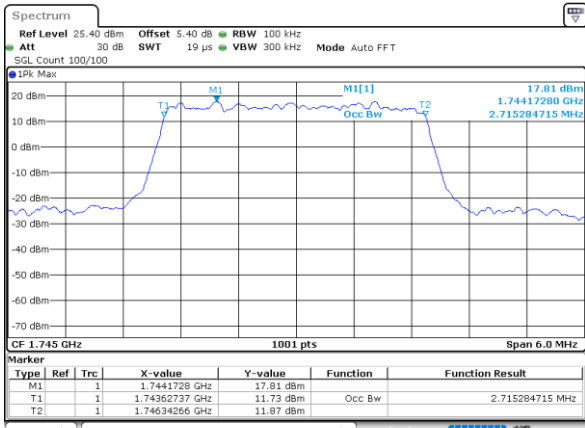
Middle Channel / 1.4MHz / 16QAM



Date: 1.MAR.2023 21:28:49

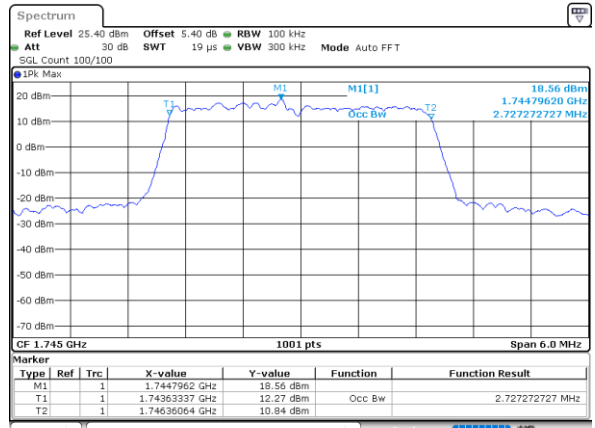
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 1.MAR.2023 21:50:34

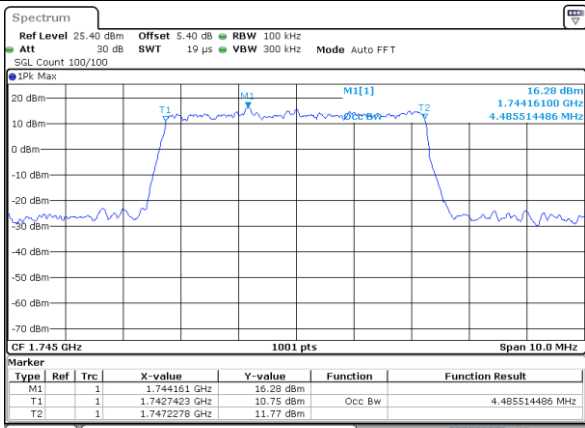
Middle Channel / 3MHz / 16QAM



Date: 1.MAR.2023 21:50:58

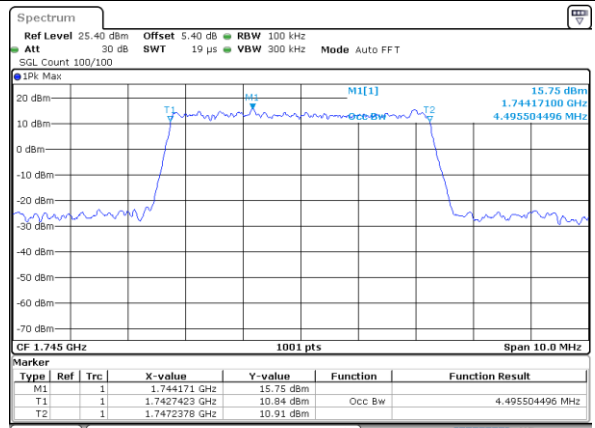
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 1.MAR.2023 22:13:40

Middle Channel / 5MHz / 16QAM

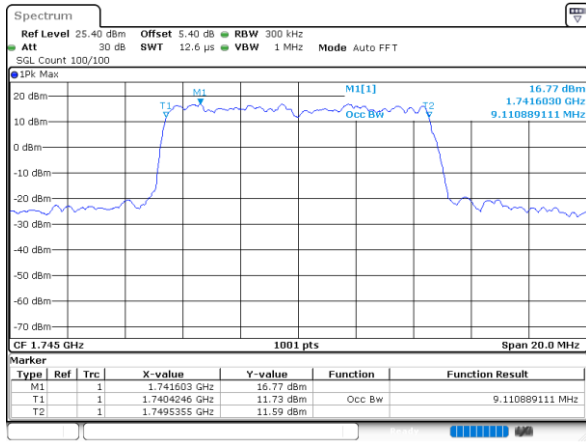


Date: 1.MAR.2023 22:14:00



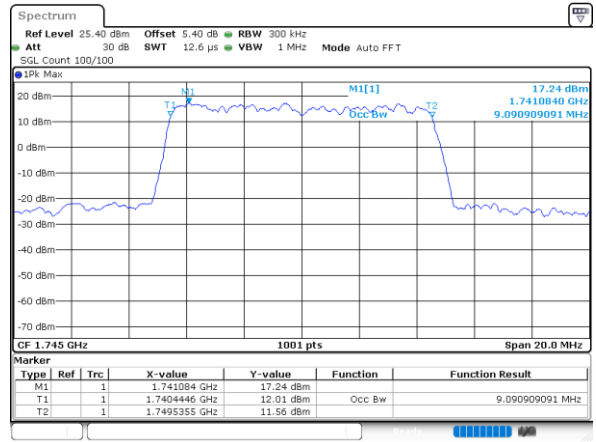
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 1.MAR.2023 22:40:42

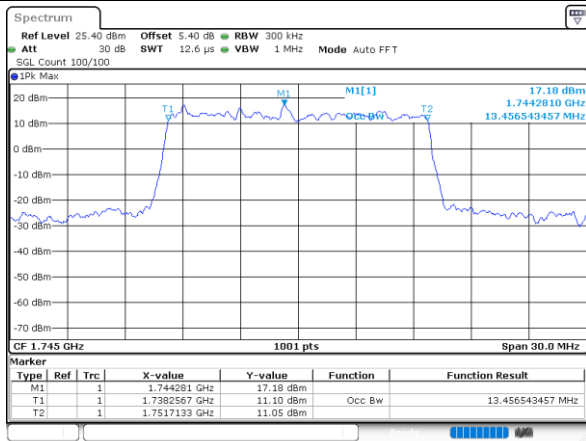
Middle Channel / 10MHz / 16QAM



Date: 1.MAR.2023 22:41:04

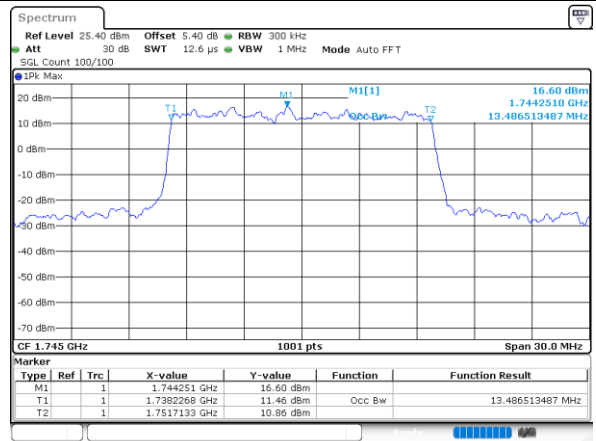
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 1.MAR.2023 22:52:46

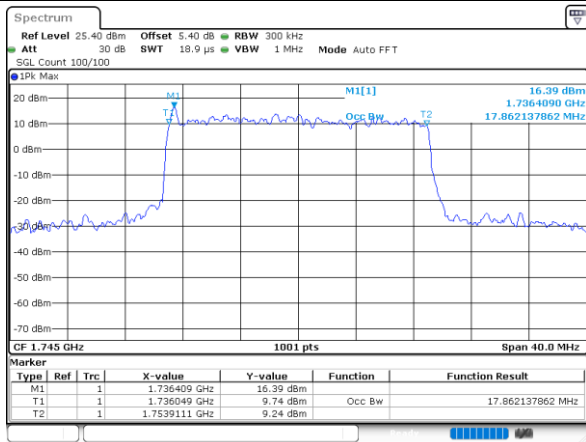
Middle Channel / 15MHz / 16QAM



Date: 1.MAR.2023 22:53:09

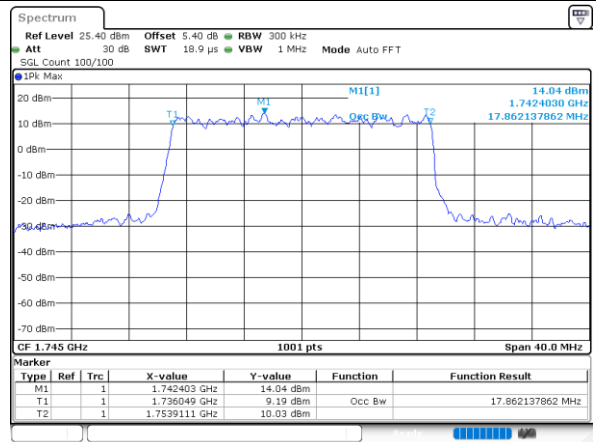
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 1.MAR.2023 23:09:19

Middle Channel / 20MHz / 16QAM

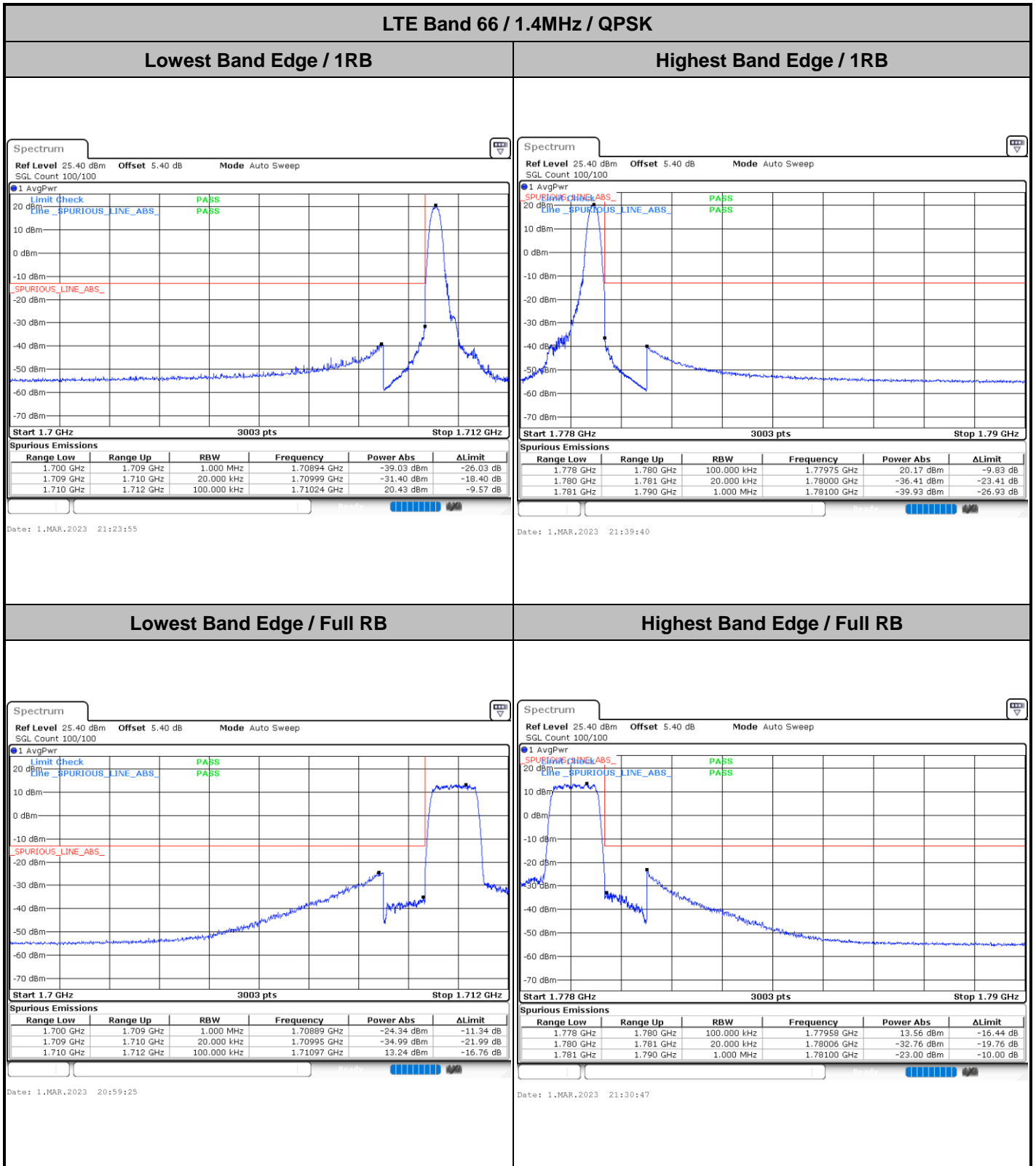


Date: 1.MAR.2023 23:09:42





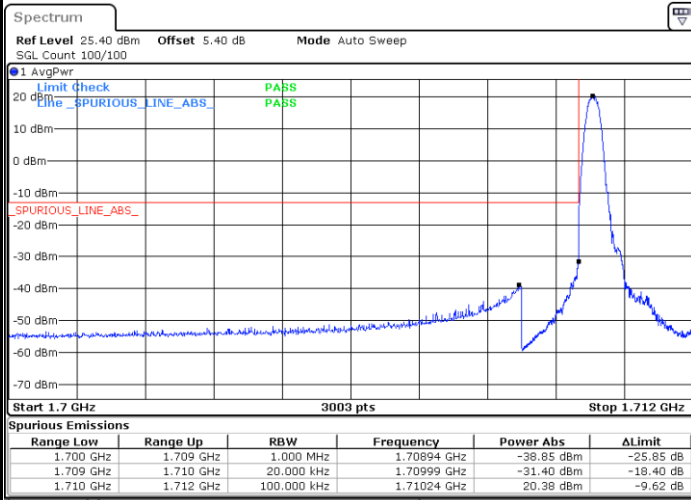
# Conducted Band Edge



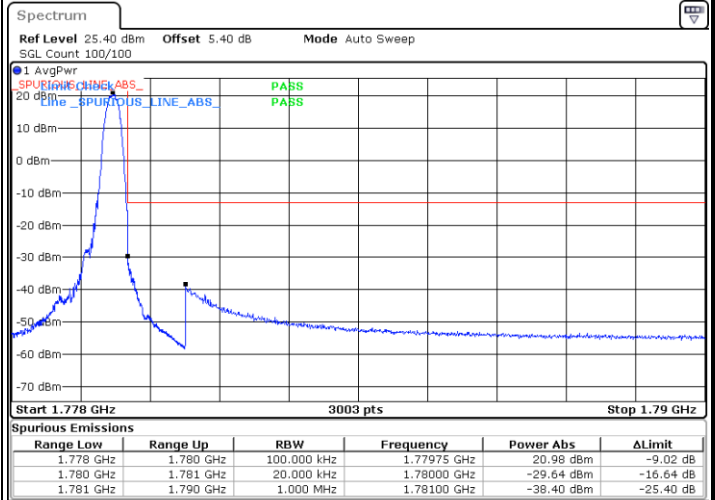


LTE Band 66 / 1.4MHz / 16QAM

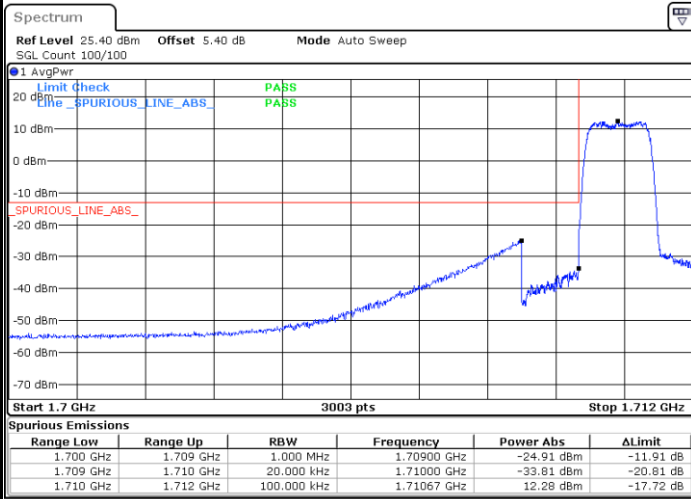
Lowest Band Edge / 1 RB



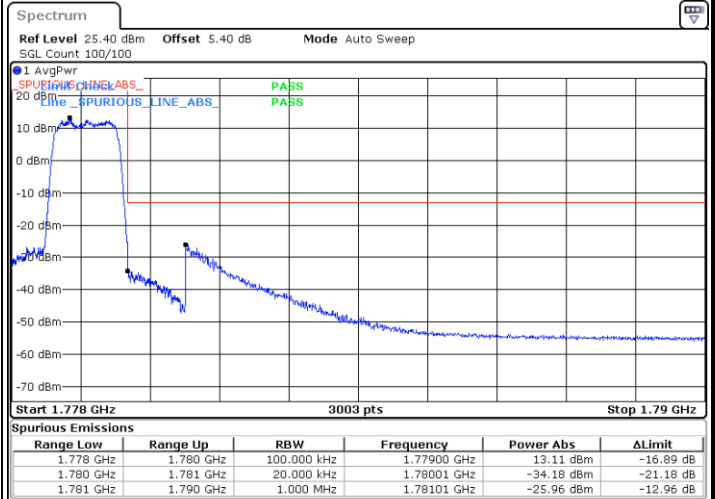
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



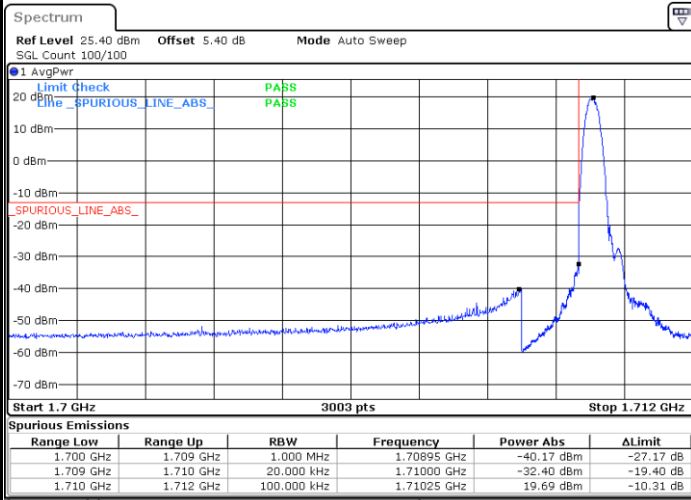
Highest Band Edge / Full RB





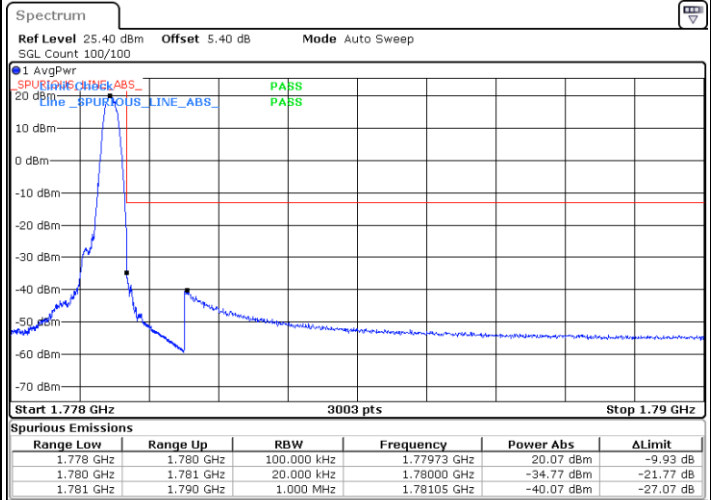
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



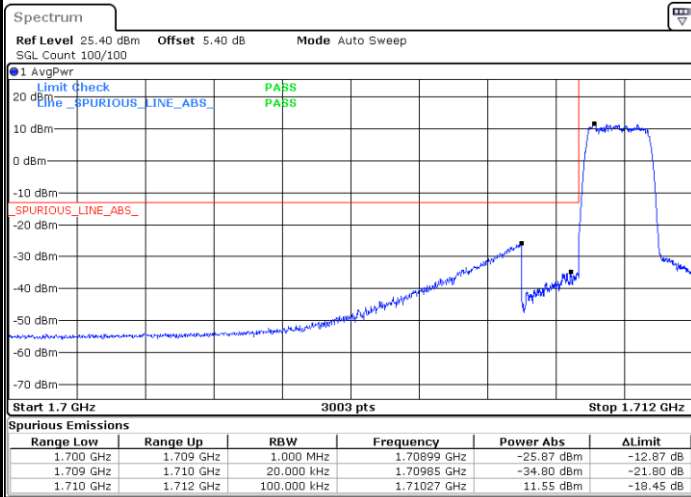
Date: 1.MAR.2023 21:21:35

Highest Band Edge / 1 RB



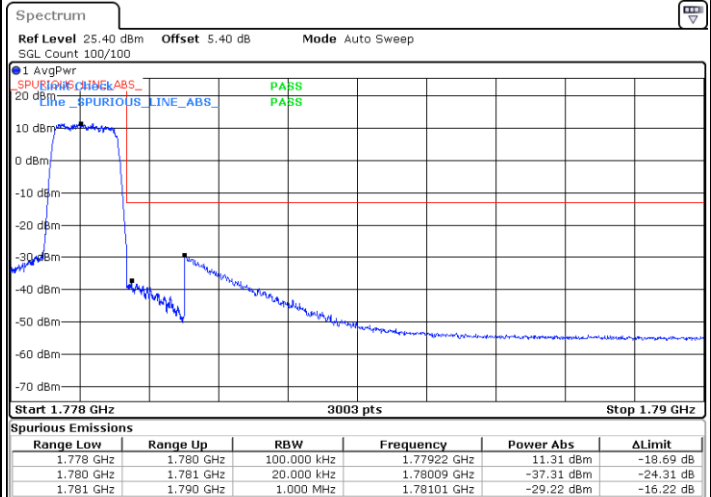
Date: 1.MAR.2023 21:37:19

Lowest Band Edge / Full RB



Date: 1.MAR.2023 21:01:53

Highest Band Edge / Full RB

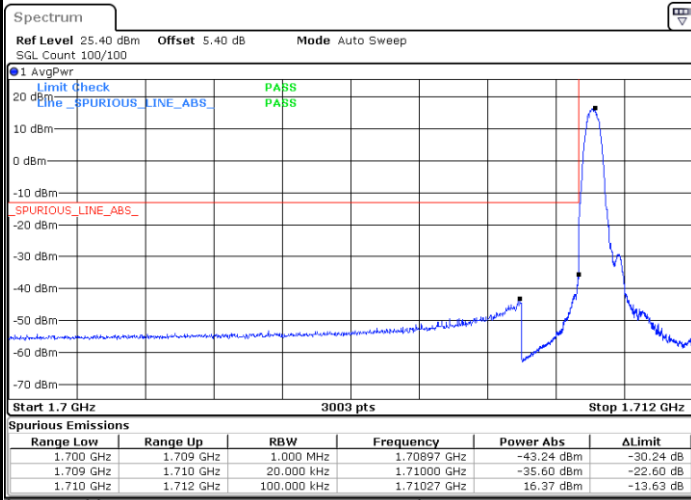


Date: 1.MAR.2023 21:33:16



LTE Band 66 / 1.4MHz / 256QAM

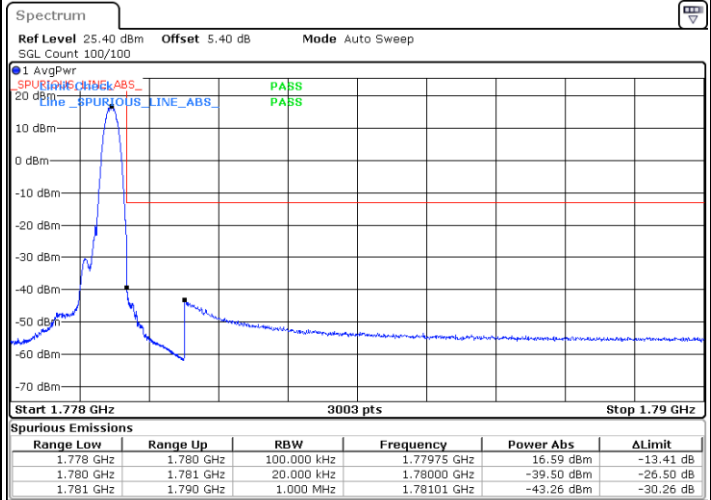
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-43.24 dBm	-30.24 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-35.60 dBm	-22.60 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71027 GHz	16.37 dBm	-13.63 dB

Date: 1.MAR.2023 21:20:10

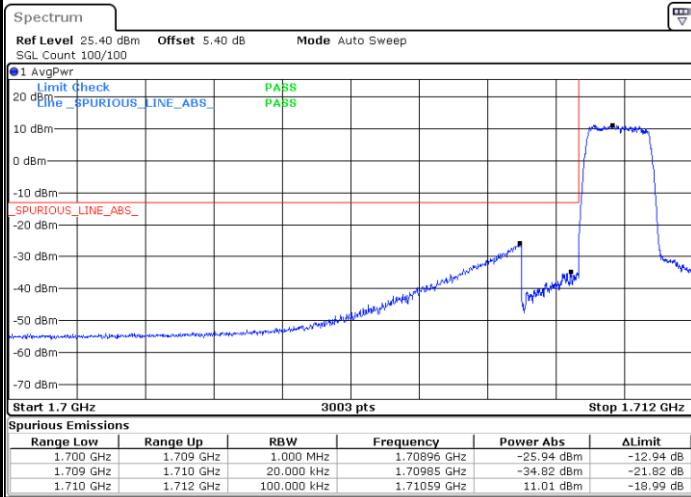
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77975 GHz	16.59 dBm	-13.41 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-39.50 dBm	-26.50 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78101 GHz	-43.26 dBm	-30.26 dB

Date: 1.MAR.2023 21:36:07

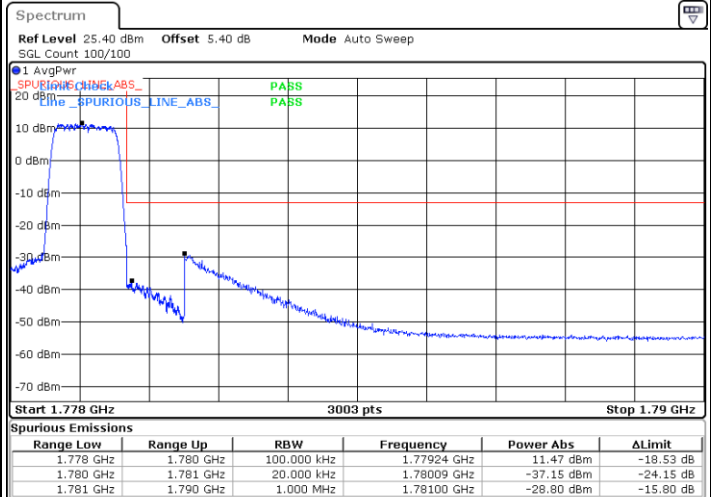
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-25.94 dBm	-12.94 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.70985 GHz	-34.82 dBm	-21.82 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71059 GHz	11.01 dBm	-18.99 dB

Date: 1.MAR.2023 21:03:03

Highest Band Edge / Full RB



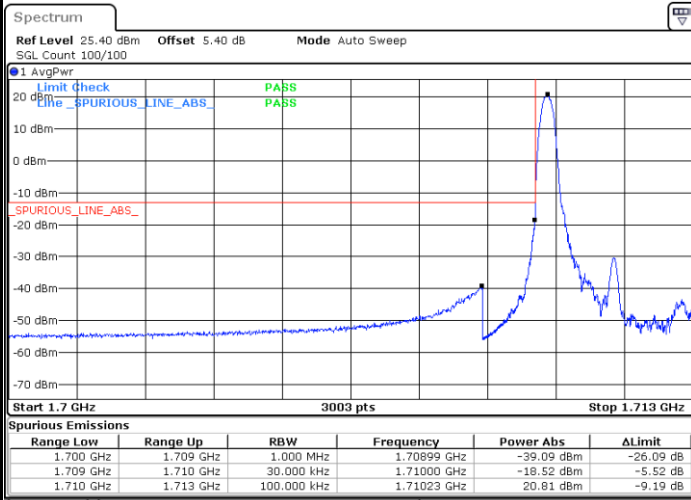
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77924 GHz	11.47 dBm	-18.53 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78009 GHz	-37.15 dBm	-24.15 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78101 GHz	-28.80 dBm	-15.80 dB

Date: 1.MAR.2023 21:34:26



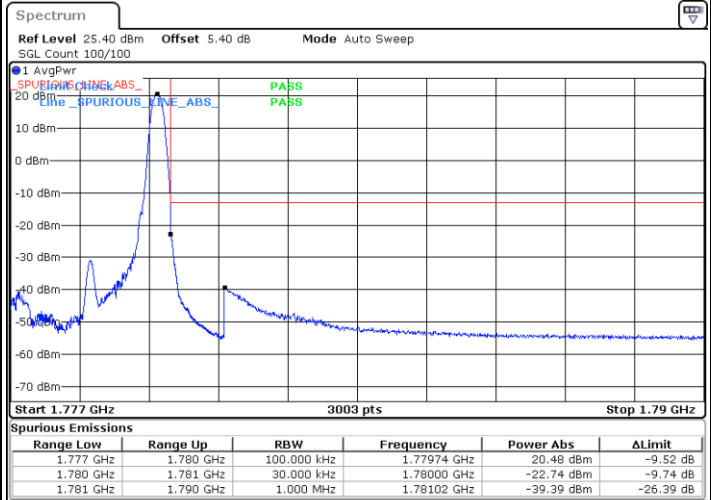
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



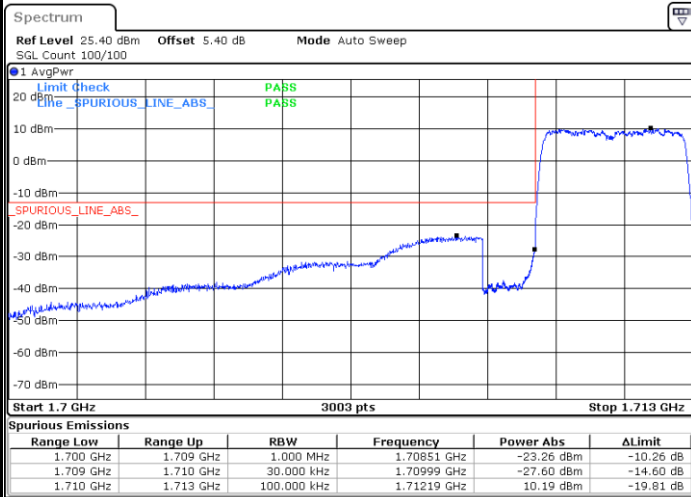
Date: 1.MAR.2023 21:49:19

Highest Band Edge / 1 RB



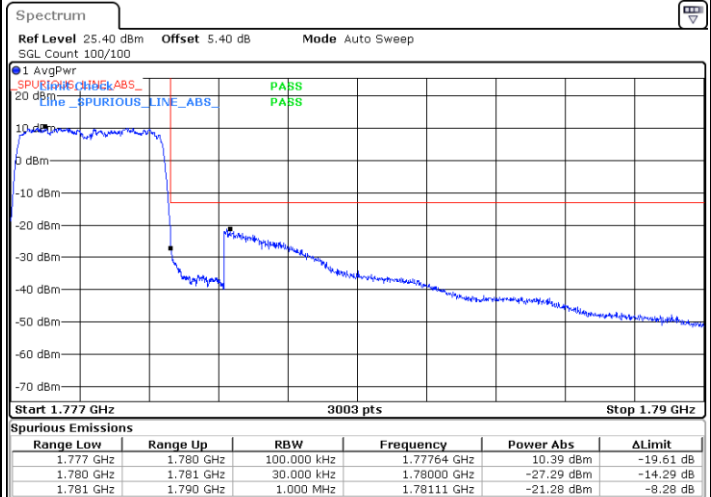
Date: 1.MAR.2023 22:02:13

Lowest Band Edge / Full RB



Date: 1.MAR.2023 21:41:33

Highest Band Edge / Full RB

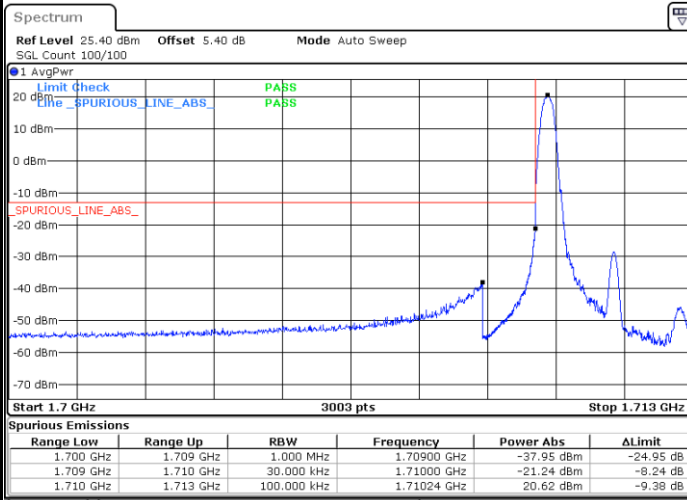


Date: 1.MAR.2023 21:56:52



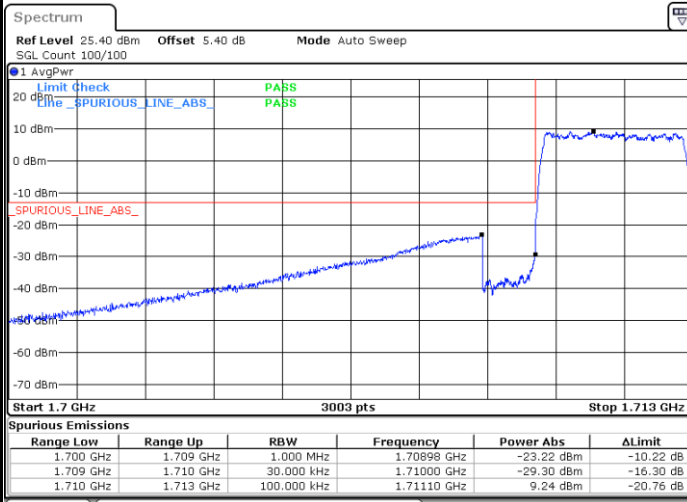
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



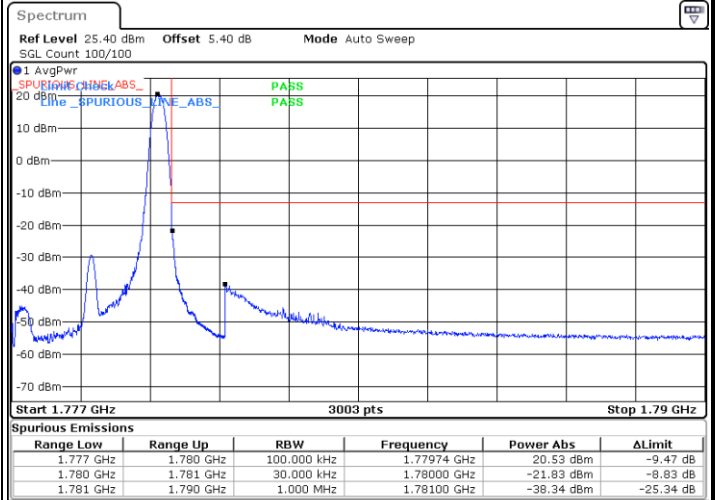
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-37.95 dBm	-24.95 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.24 dBm	-8.24 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71024 GHz	20.62 dBm	-9.38 dB

Lowest Band Edge / Full RB



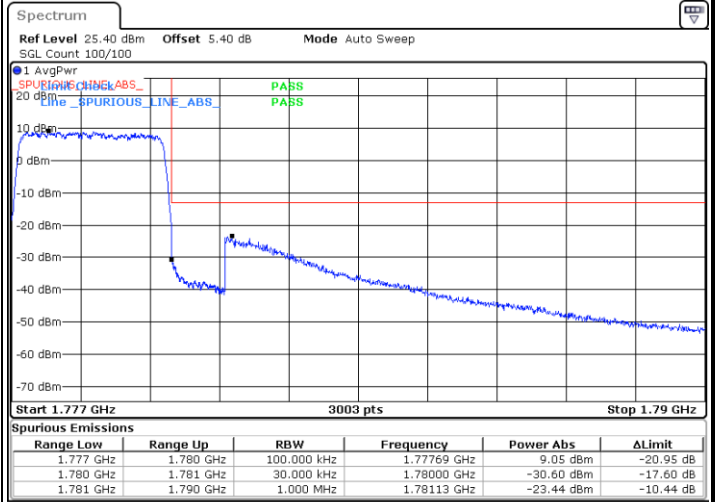
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-23.22 dBm	-10.22 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-29.30 dBm	-16.30 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71110 GHz	9.24 dBm	-20.76 dB

Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.777 GHz	1.780 GHz	100.000 kHz	1.77974 GHz	20.53 dBm	-9.47 dB
1.780 GHz	1.781 GHz	30.000 kHz	1.78000 GHz	-21.83 dBm	-8.83 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78100 GHz	-38.34 dBm	-25.34 dB

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.777 GHz	1.780 GHz	100.000 kHz	1.77769 GHz	9.05 dBm	-20.95 dB
1.780 GHz	1.781 GHz	30.000 kHz	1.78000 GHz	-30.60 dBm	-17.60 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78113 GHz	-23.44 dBm	-10.44 dB