

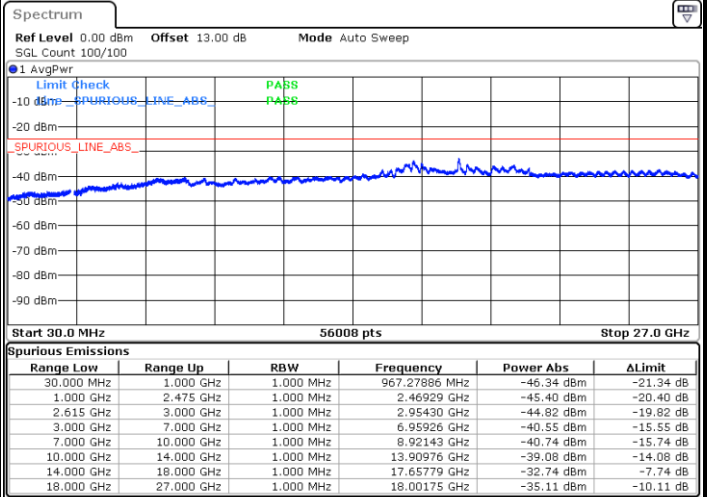
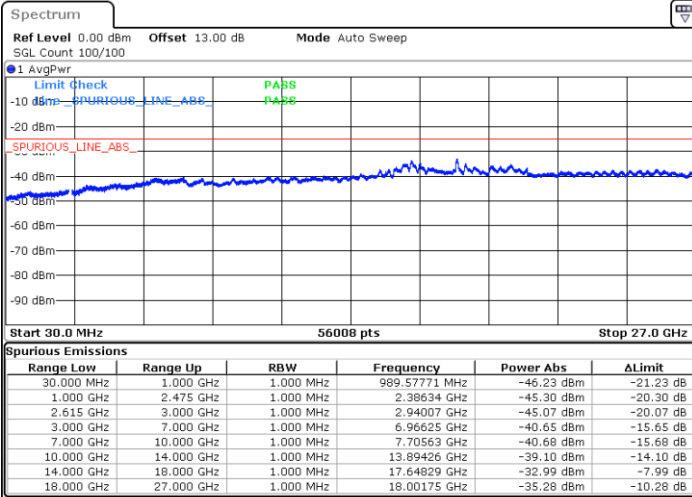


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0

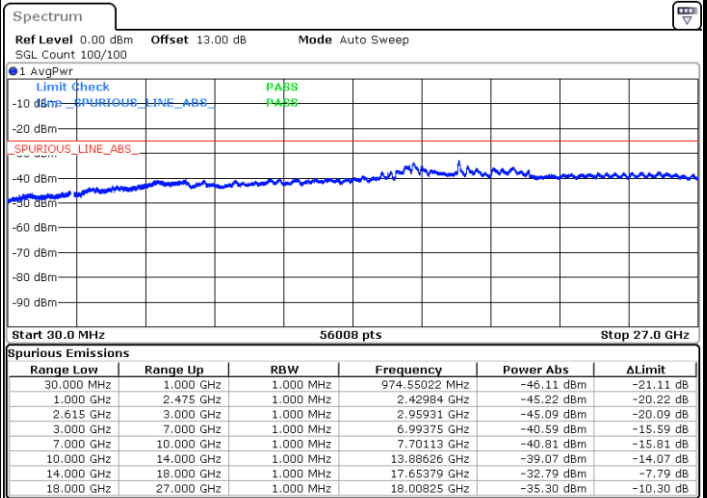
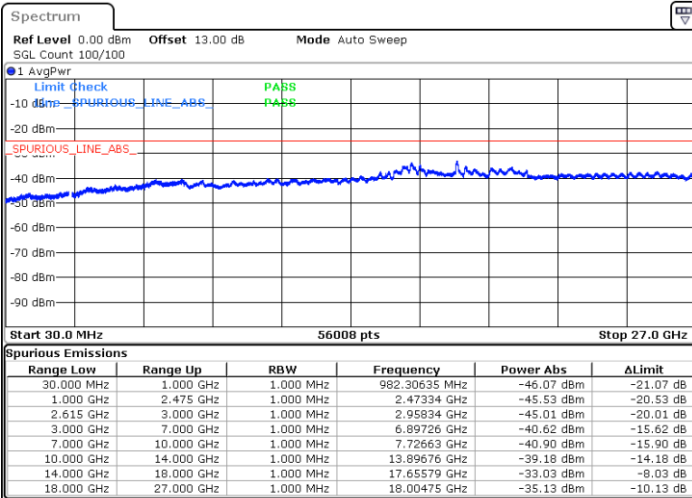


Date: 8.MAR.2024 22:25:04

Date: 8.MAR.2024 22:29:54

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Date: 8.MAR.2024 22:37:18

Date: 8.MAR.2024 22:38:32

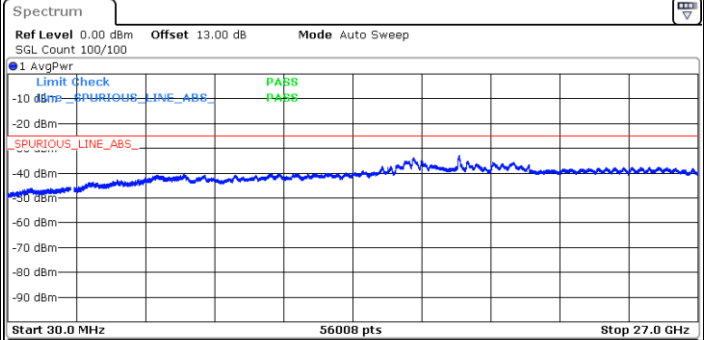
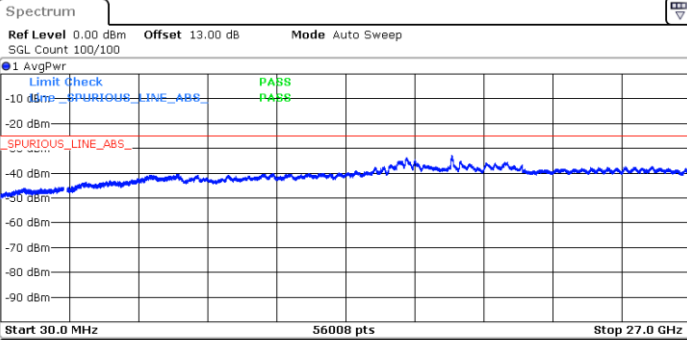


LTE Band 7C / 15MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-46.15 dBm	-21.15 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.44127 GHz	-45.62 dBm	-20.62 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.97431 GHz	-45.01 dBm	-20.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94326 GHz	-40.56 dBm	-15.56 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92293 GHz	-40.79 dBm	-15.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90626 GHz	-38.96 dBm	-13.96 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65129 GHz	-32.81 dBm	-7.81 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00375 GHz	-35.19 dBm	-10.19 dB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-46.00 dBm	-21.00 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.17620 GHz	-45.64 dBm	-20.64 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95950 GHz	-45.05 dBm	-20.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89576 GHz	-40.23 dBm	-15.23 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91343 GHz	-40.76 dBm	-15.76 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90776 GHz	-39.13 dBm	-14.13 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66479 GHz	-32.84 dBm	-7.84 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00575 GHz	-35.17 dBm	-10.17 dB

Date: 8.MAR.2024 22:10:00

Date: 8.MAR.2024 22:14:50

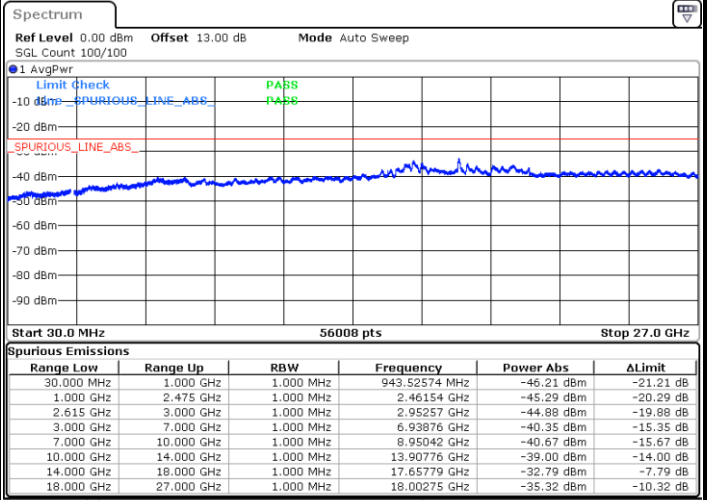
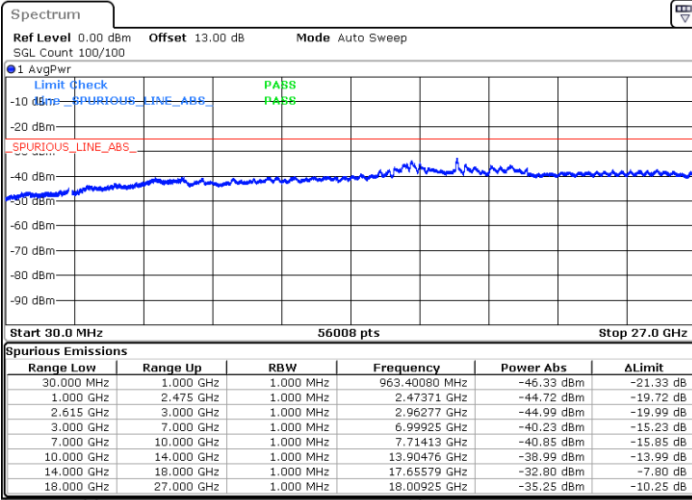


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0

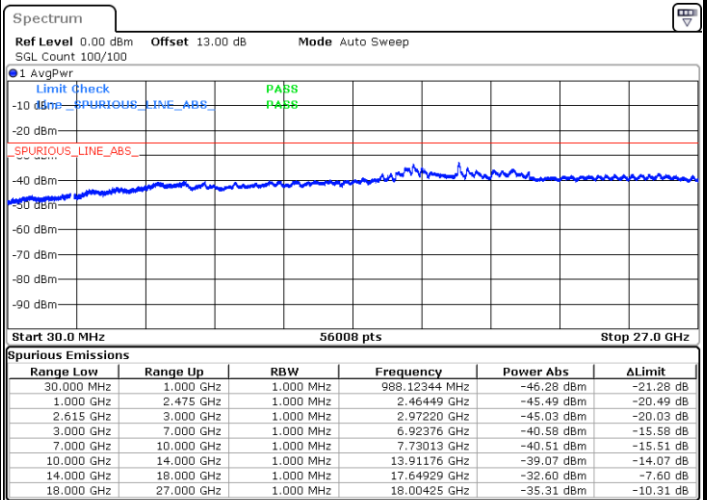
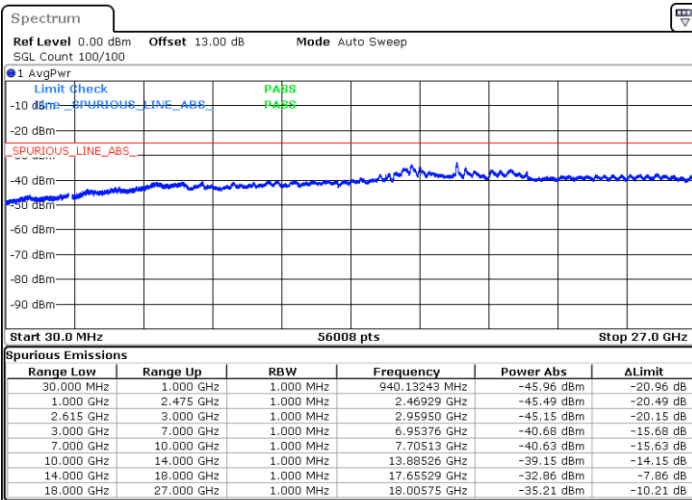


Date: 8.MAR.2024 21:12:56

Date: 8.MAR.2024 21:17:46

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



Date: 8.MAR.2024 21:25:11

Date: 8.MAR.2024 21:26:24

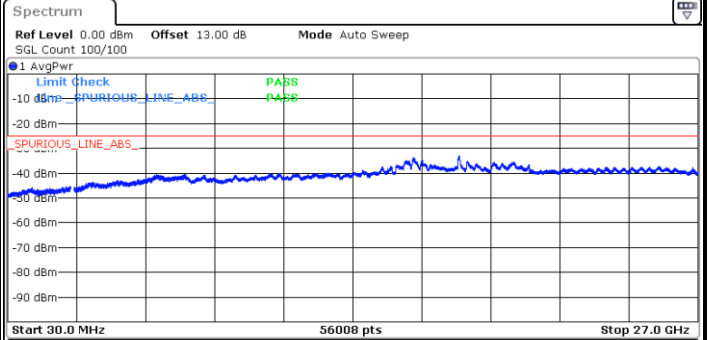
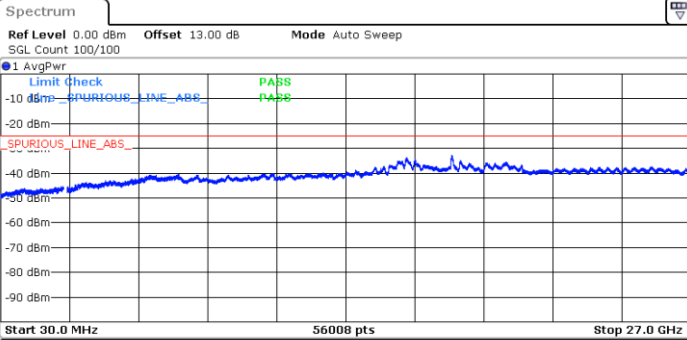


LTE Band 7C / 20MHz+10MHz

QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-46.20 dBm	-21.20 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47002 GHz	-45.41 dBm	-20.41 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.94642 GHz	-44.70 dBm	-19.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-40.46 dBm	-15.46 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.71913 GHz	-40.67 dBm	-15.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89926 GHz	-38.78 dBm	-13.78 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65879 GHz	-32.88 dBm	-7.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00425 GHz	-35.24 dBm	-10.24 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-45.86 dBm	-20.86 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.32920 GHz	-45.53 dBm	-20.53 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.94988 GHz	-45.03 dBm	-20.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94676 GHz	-40.49 dBm	-15.49 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92893 GHz	-40.82 dBm	-15.82 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90076 GHz	-38.69 dBm	-13.69 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65079 GHz	-33.02 dBm	-8.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00125 GHz	-35.42 dBm	-10.42 dB

Date: 8.MAR.2024 20:57:52

Date: 8.MAR.2024 21:02:42

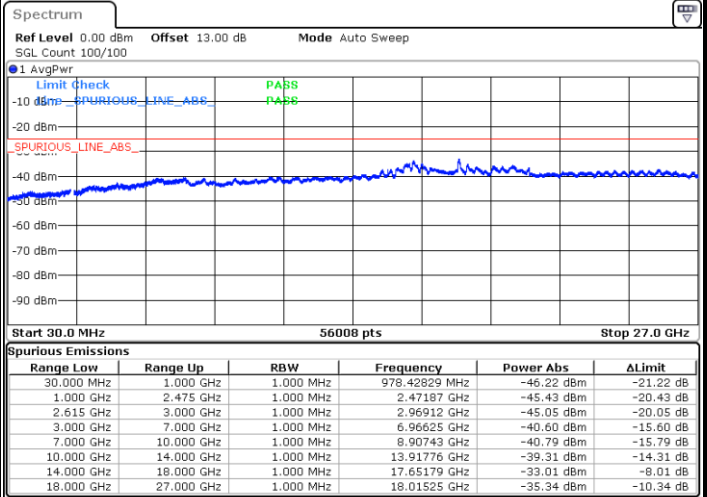
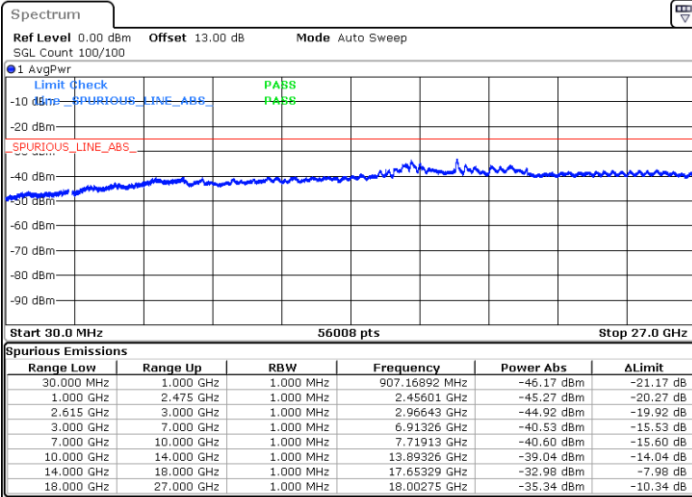


LTE Band 7C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0

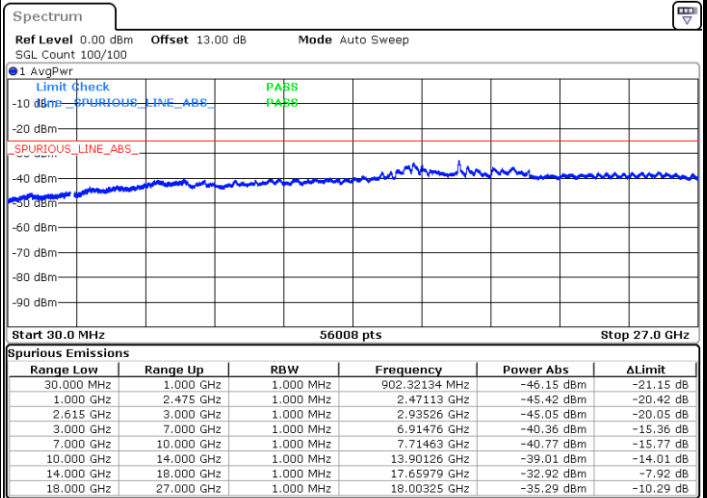
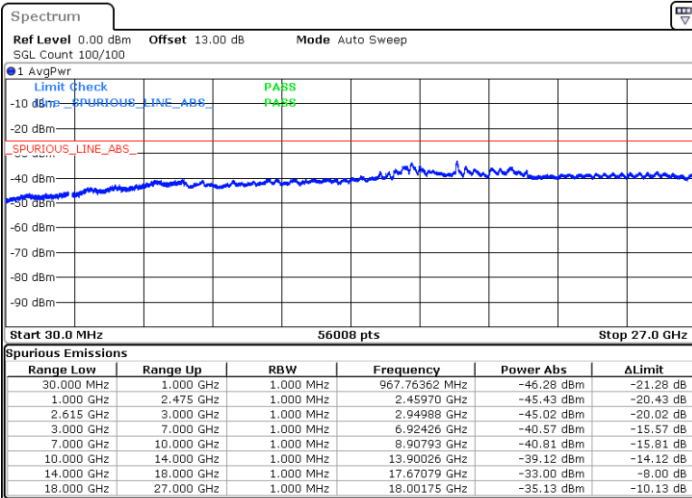


Date: 8.MAR.2024 23:01:29

Date: 8.MAR.2024 23:06:20

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Date: 8.MAR.2024 23:13:44

Date: 8.MAR.2024 23:14:57

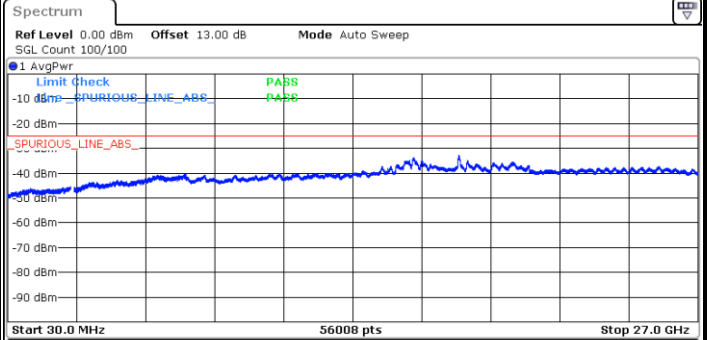
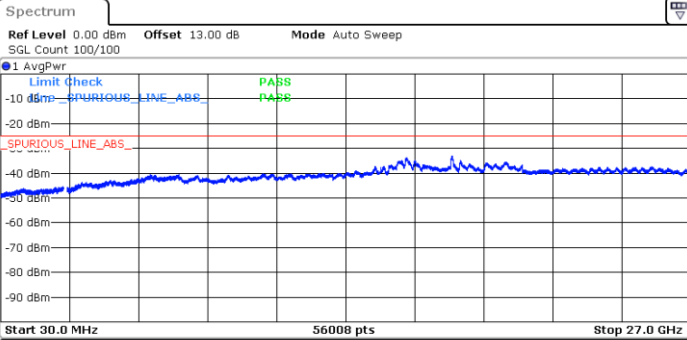


LTE Band 7C / 20MHz+15MHz

QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.13843 MHz	-46.24 dBm	-21.24 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46781 GHz	-45.48 dBm	-20.48 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.97008 GHz	-44.75 dBm	-19.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-40.60 dBm	-15.60 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92893 GHz	-40.81 dBm	-15.81 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90276 GHz	-39.03 dBm	-14.03 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66379 GHz	-32.95 dBm	-7.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00175 GHz	-35.23 dBm	-10.23 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-46.15 dBm	-21.15 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47371 GHz	-45.36 dBm	-20.36 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.94988 GHz	-44.87 dBm	-19.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95426 GHz	-40.48 dBm	-15.48 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90243 GHz	-40.77 dBm	-15.77 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89676 GHz	-39.05 dBm	-14.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65529 GHz	-32.74 dBm	-7.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00925 GHz	-35.23 dBm	-10.23 dB

Date: 8.MAR.2024 22:53:59

Date: 8.MAR.2024 22:52:45

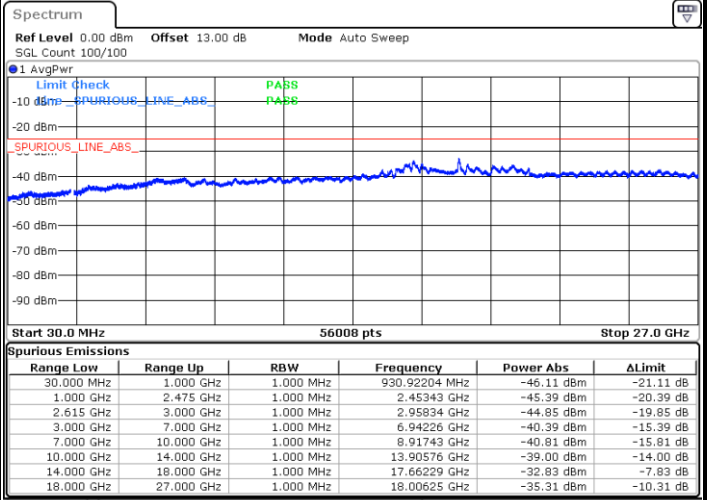
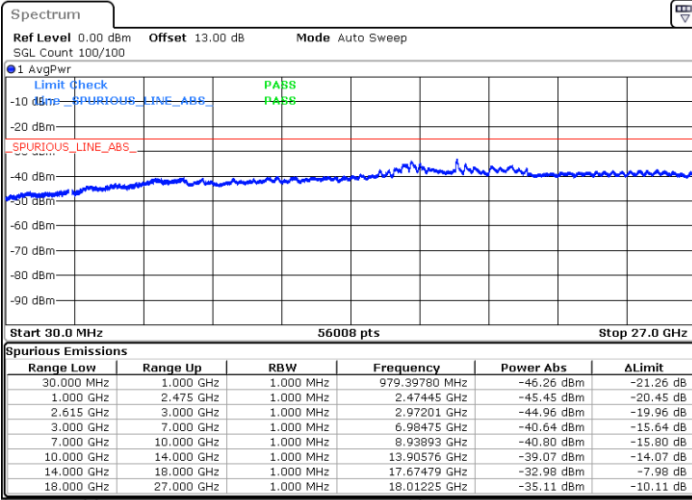


LTE Band 7C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

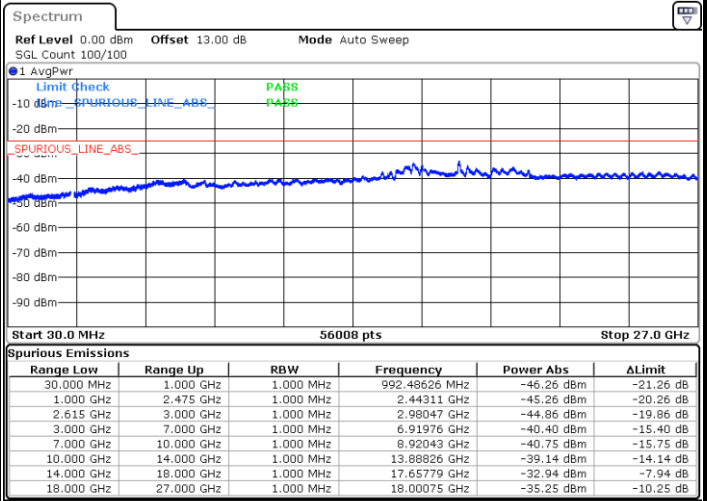
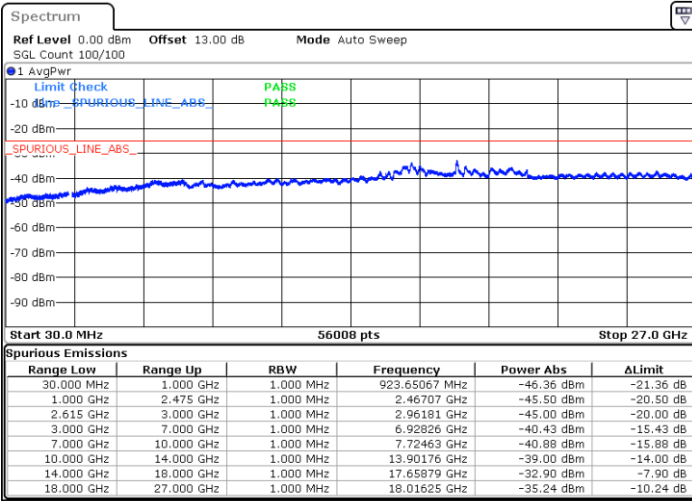


Date: 8.MAR.2024 23:37:32

Date: 8.MAR.2024 23:42:23

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 8.MAR.2024 23:49:48

Date: 8.MAR.2024 23:51:01

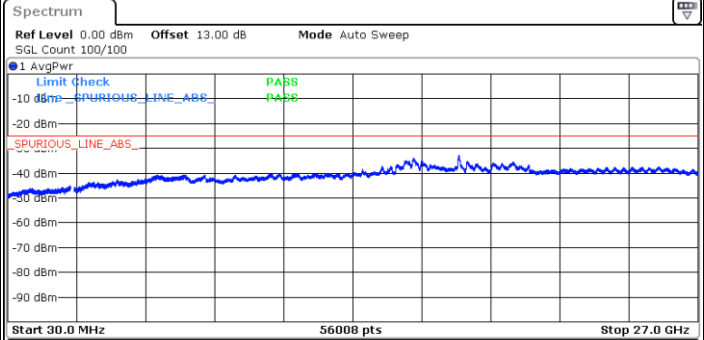
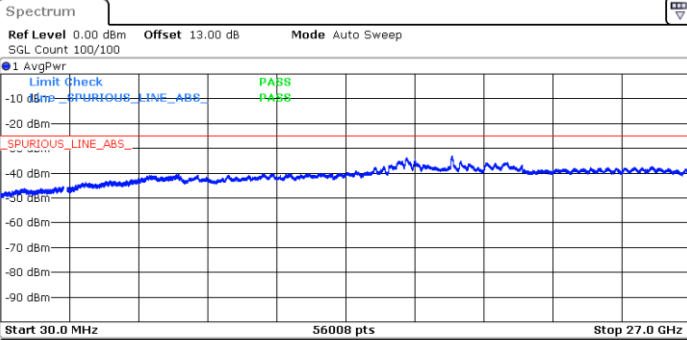


LTE Band 7C / 20MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-46.18 dBm	-21.18 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46265 GHz	-45.46 dBm	-20.46 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.94930 GHz	-44.84 dBm	-19.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-40.34 dBm	-15.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.93443 GHz	-40.92 dBm	-15.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.92176 GHz	-39.15 dBm	-14.15 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.64679 GHz	-32.96 dBm	-7.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00775 GHz	-35.30 dBm	-10.30 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-46.26 dBm	-21.26 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46965 GHz	-45.08 dBm	-20.08 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.93506 GHz	-44.96 dBm	-19.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92826 GHz	-40.69 dBm	-15.69 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92843 GHz	-40.91 dBm	-15.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89776 GHz	-38.53 dBm	-13.53 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65829 GHz	-32.77 dBm	-7.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00725 GHz	-35.39 dBm	-10.39 dB

Date: 8.MAR.2024 23:22:28

Date: 8.MAR.2024 23:27:19

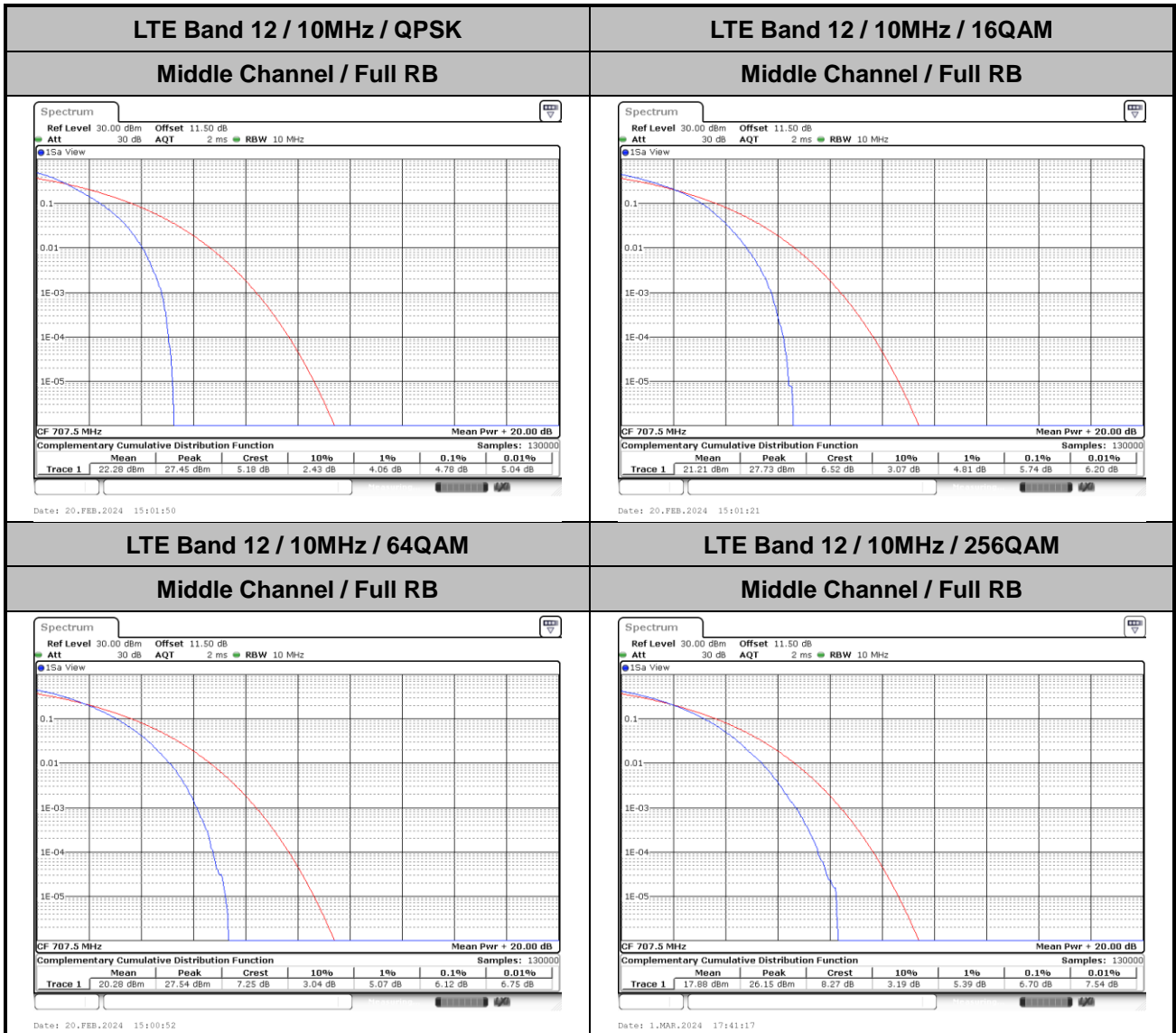




# LTE Band 12

## Peak-to-Average Ratio

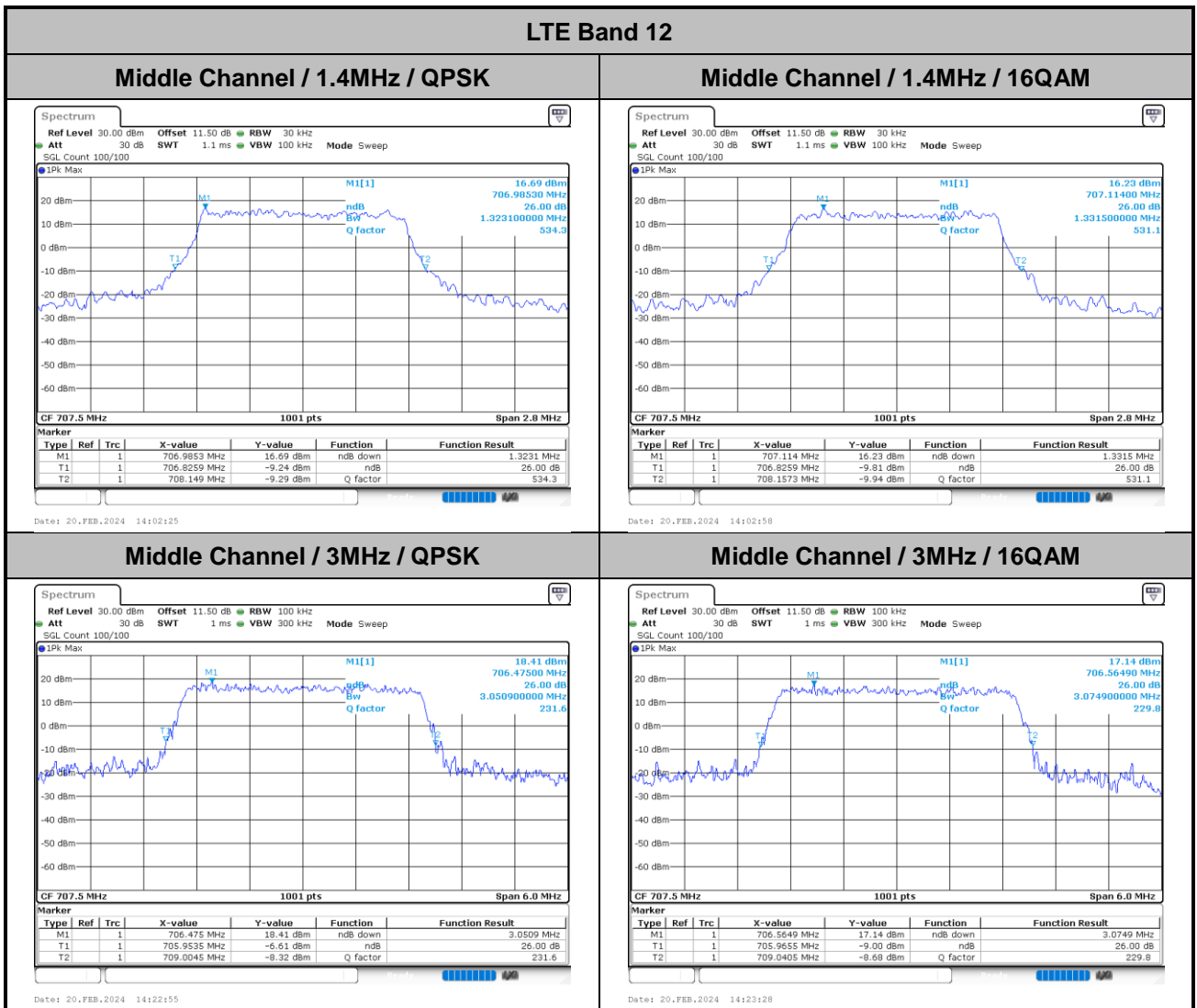
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.74	6.12	6.70	PASS





**26dB Bandwidth**

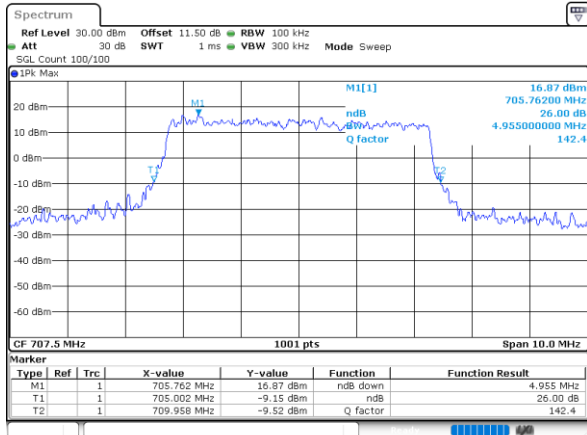
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.32	1.33	3.05	3.07	4.95	4.91	9.91	9.81	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.34	1.33	3.00	3.09	4.89	5.03	9.91	9.81	-	-	-	-





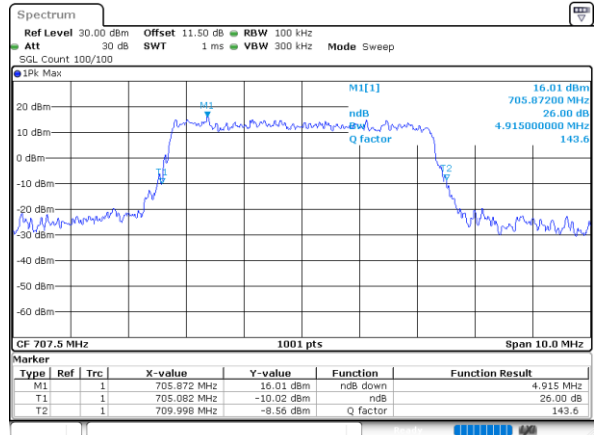
LTE Band 12

Middle Channel / 5MHz / QPSK



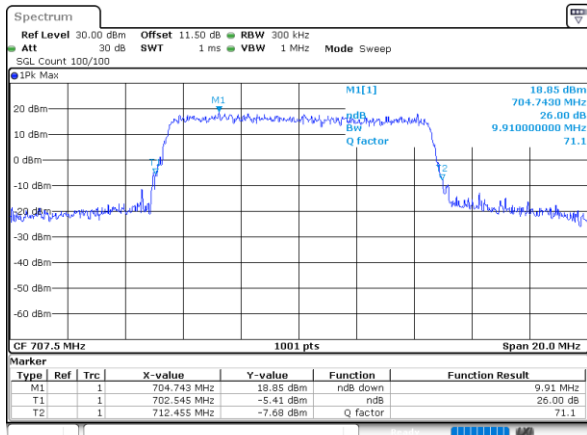
Date: 20\_FEB\_2024 14:42:35

Middle Channel / 5MHz / 16QAM



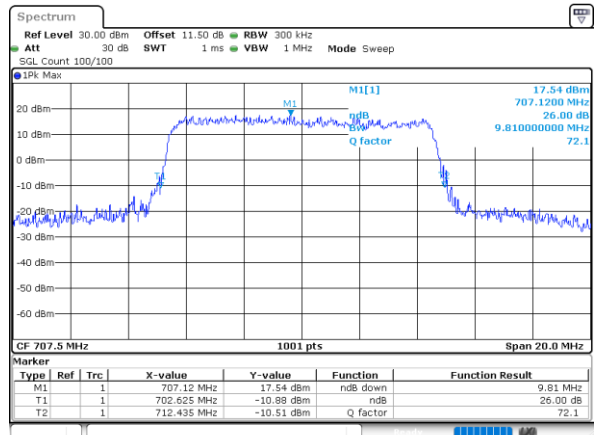
Date: 20\_FEB\_2024 14:43:03

Middle Channel / 10MHz / QPSK



Date: 20\_FEB\_2024 14:51:59

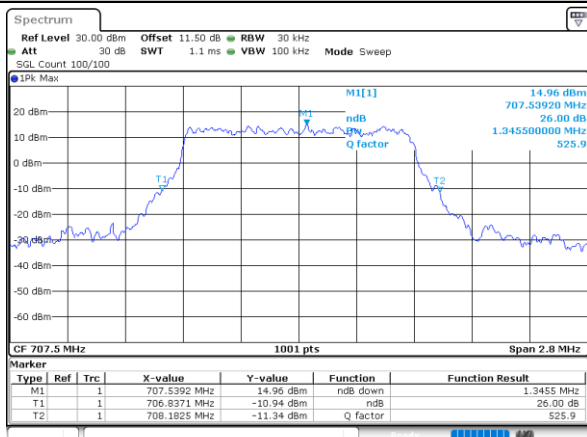
Middle Channel / 10MHz / 16QAM



Date: 20\_FEB\_2024 14:52:12

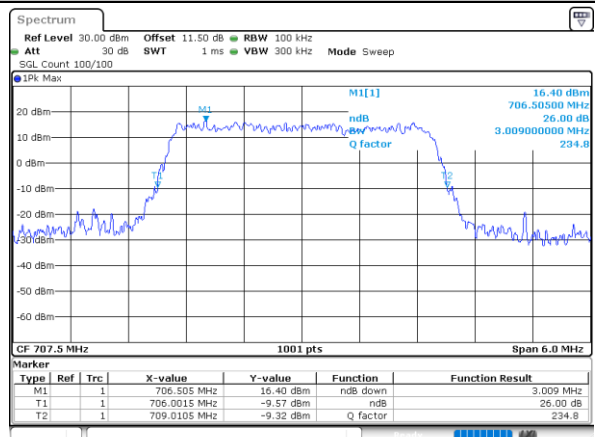
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



Date: 20\_FEB\_2024 14:14:19

Middle Channel / 3MHz / 64QAM

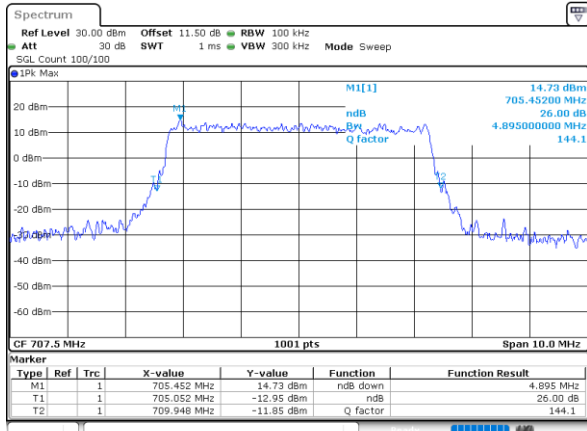


Date: 20\_FEB\_2024 14:13:04



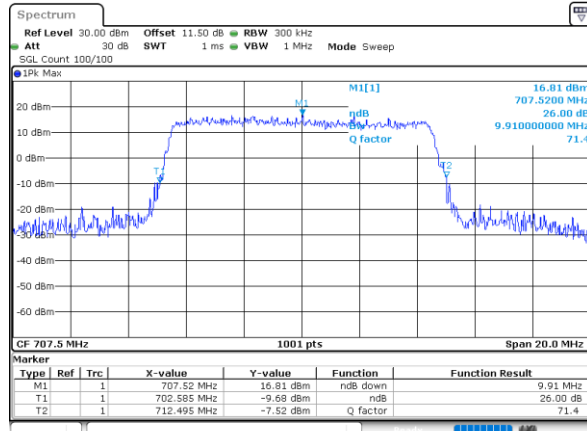
LTE Band 12

Middle Channel / 5MHz / 64QAM



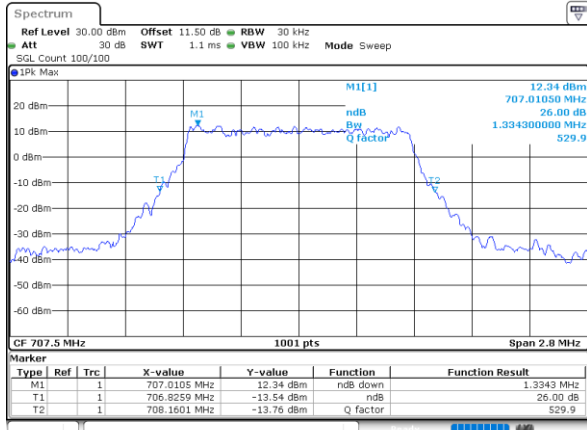
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Middle Channel / 10MHz / 64QAM



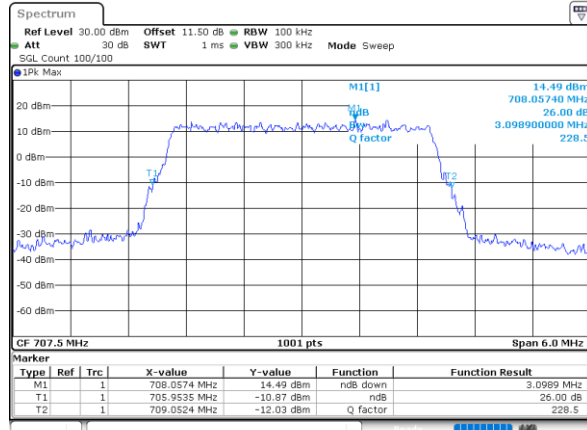
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Middle Channel / 1.4MHz / 256QAM



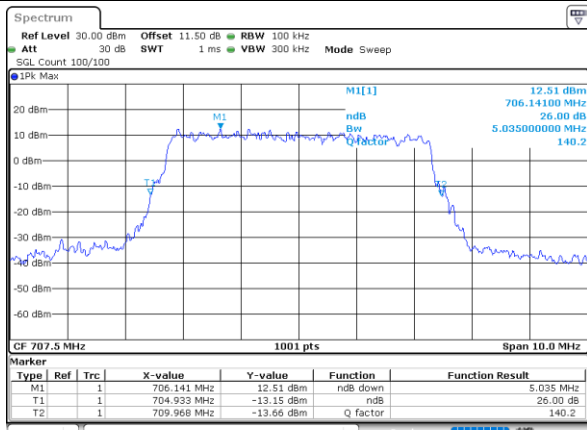
Date: 1.MAR.2024 17:20:25

Middle Channel / 3MHz / 256QAM



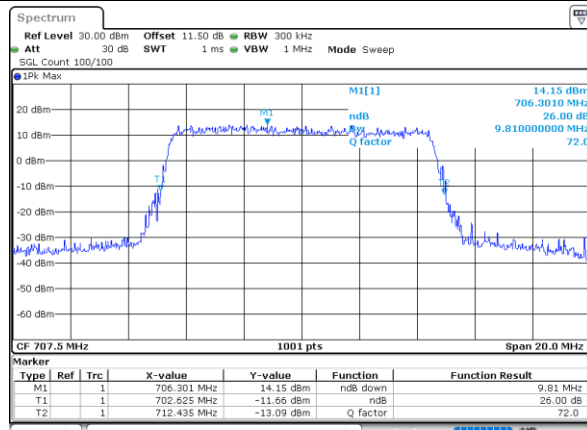
Date: 1.MAR.2024 17:26:33

Middle Channel / 5MHz / 256QAM



Date: 1.MAR.2024 17:35:11

Middle Channel / 10MHz / 256QAM

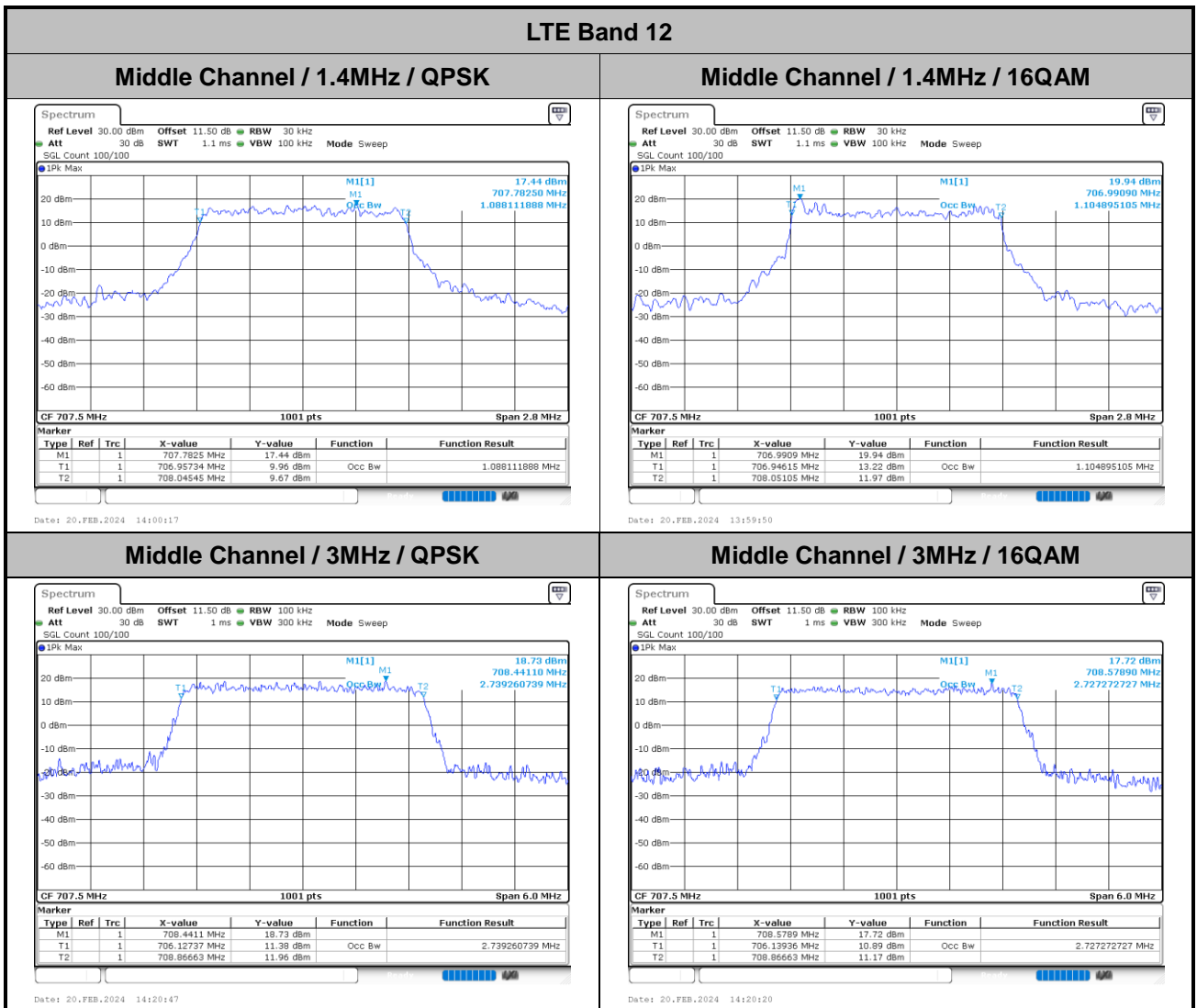


Date: 1.MAR.2024 17:38:55



# Occupied Bandwidth

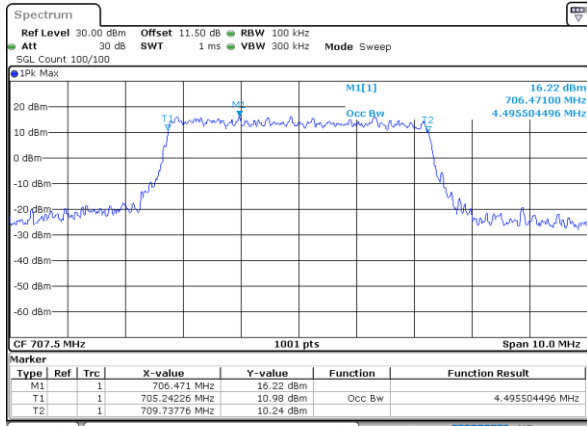
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	1.10	2.73	2.72	4.49	4.48	9.03	9.09	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	1.09	2.73	2.73	4.51	4.50	9.05	9.05	-	-	-	-





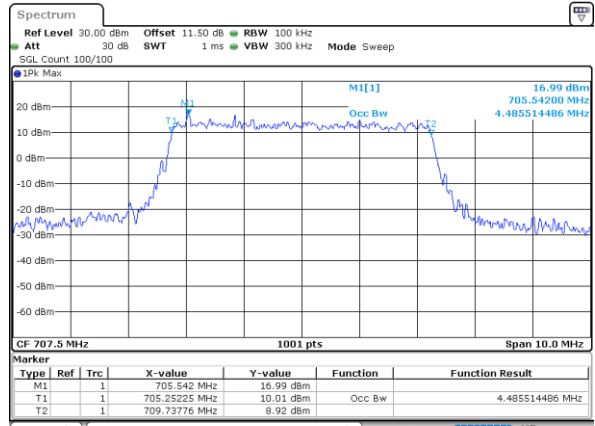
LTE Band 12

Middle Channel / 5MHz / QPSK



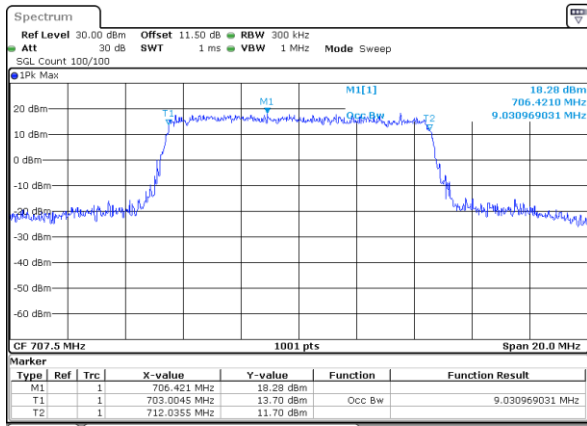
Date: 20.FEB.2024 14:40:29

Middle Channel / 5MHz / 16QAM



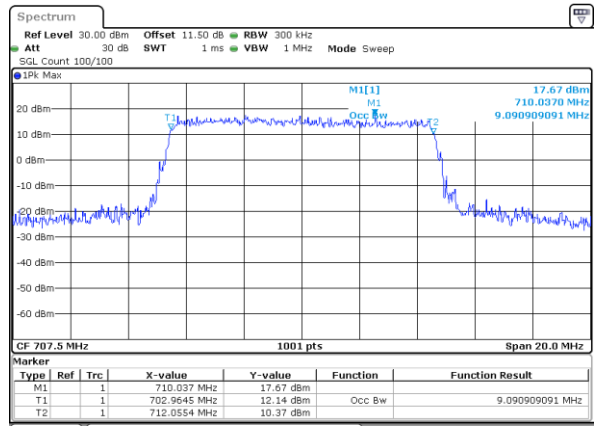
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Middle Channel / 10MHz / QPSK



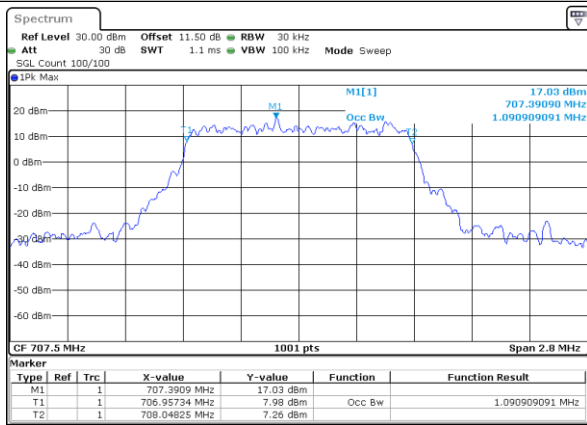
Date: 20.FEB.2024 14:49:32

Middle Channel / 10MHz / 16QAM



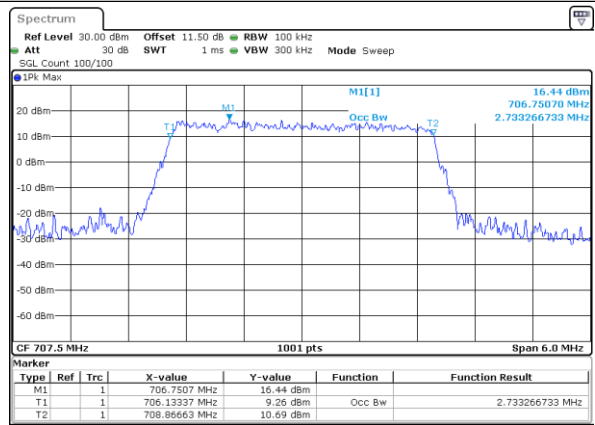
Date: 20.FEB.2024 14:49:04

Middle Channel / 1.4MHz / 64QAM



Date: 20.FEB.2024 14:14:06

Middle Channel / 3MHz / 64QAM

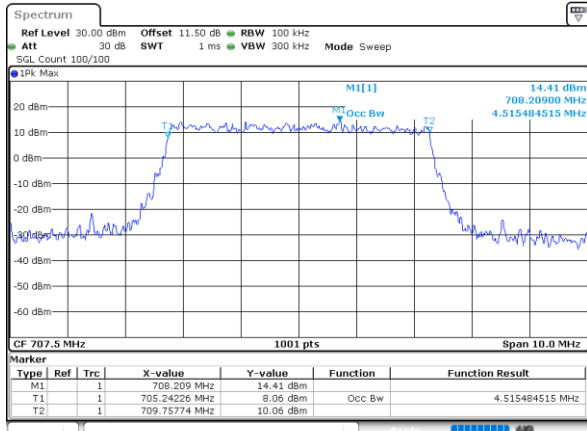


Date: 20.FEB.2024 14:27:57



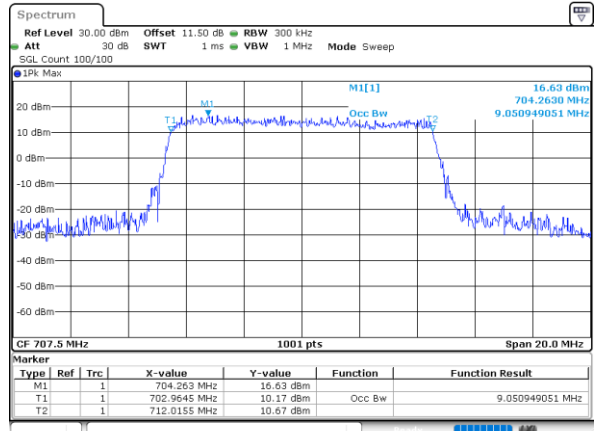
LTE Band 12

Middle Channel / 5MHz / 64QAM



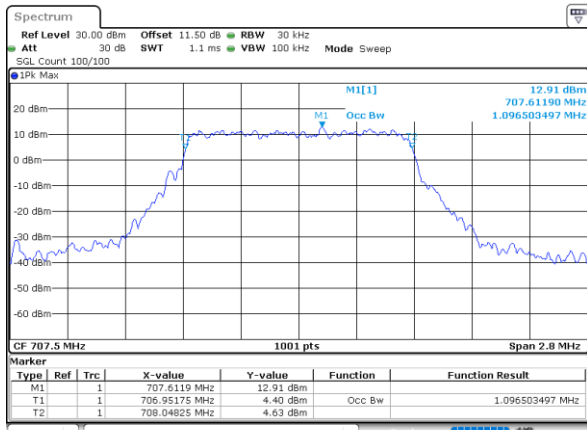
Date: 20.FEB.2024 14:33:20

Middle Channel / 10MHz / 64QAM



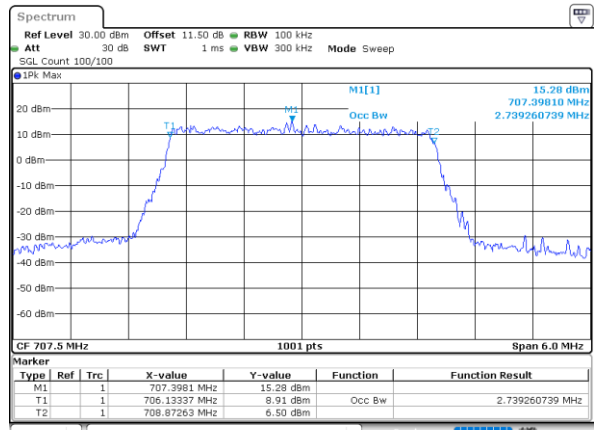
Date: 20.FEB.2024 14:56:41

Middle Channel / 1.4MHz / 256QAM



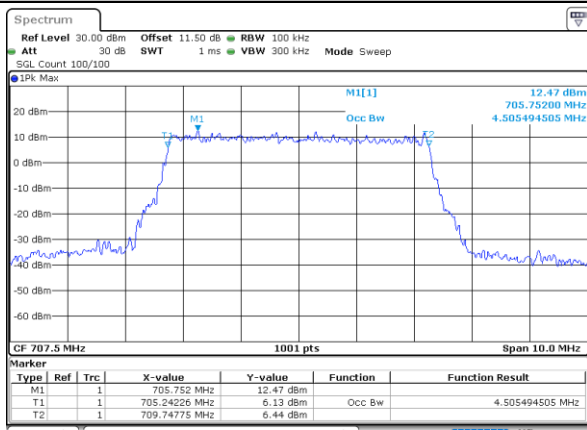
Date: 1.MAR.2024 17:20:03

Middle Channel / 3MHz / 256QAM



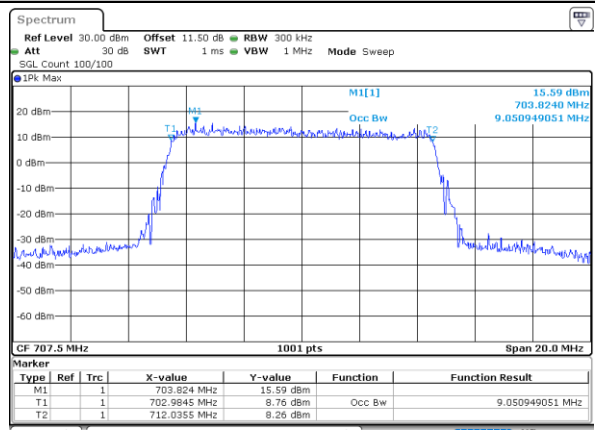
Date: 1.MAR.2024 17:26:11

Middle Channel / 5MHz / 256QAM



Date: 1.MAR.2024 17:34:49

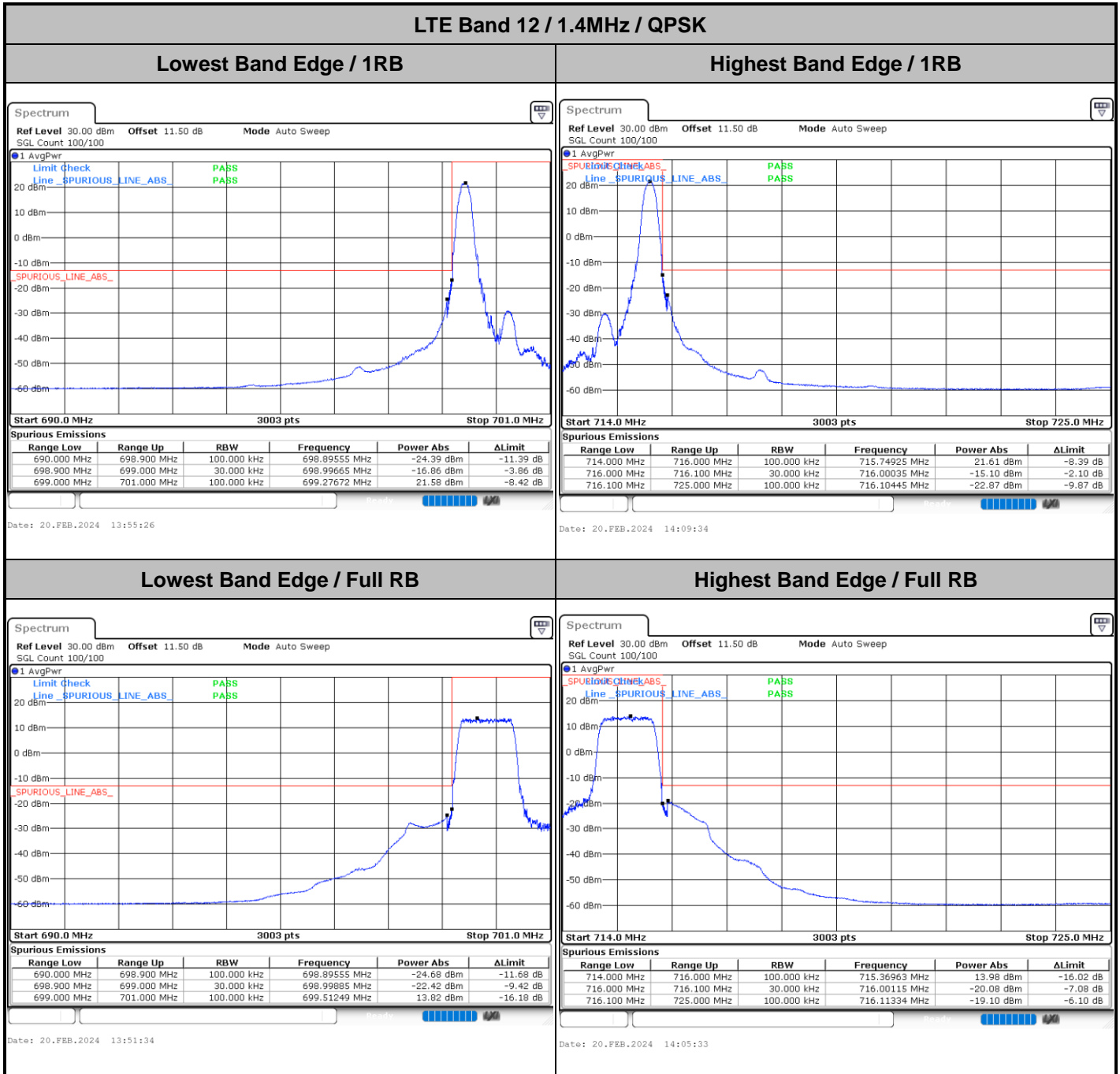
Middle Channel / 10MHz / 256QAM



Date: 1.MAR.2024 17:38:33



# Conducted Band Edge

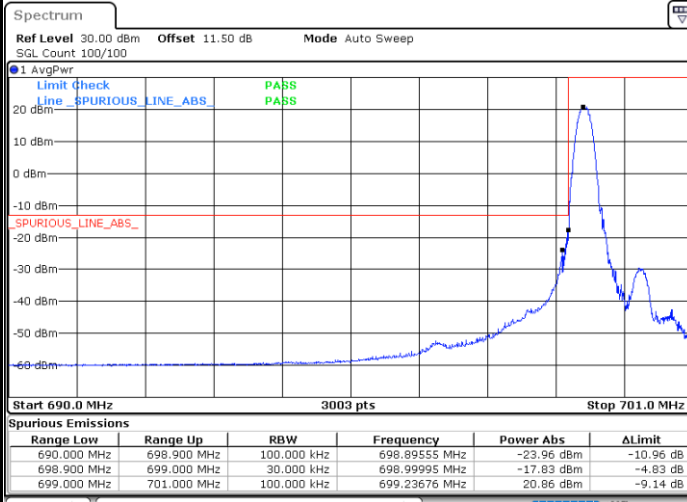






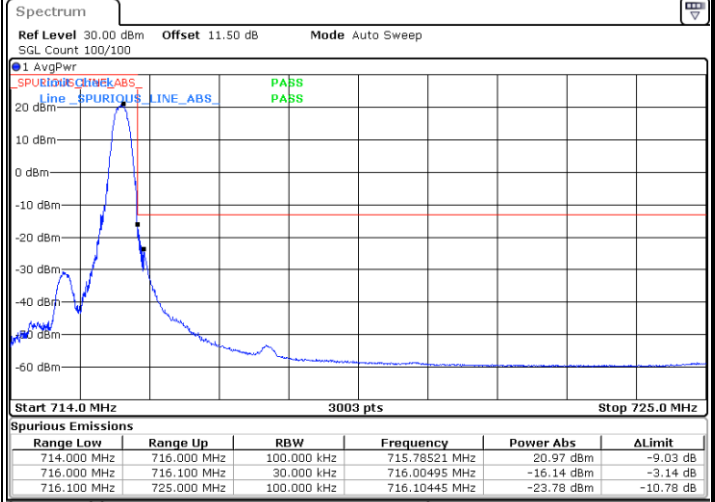
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



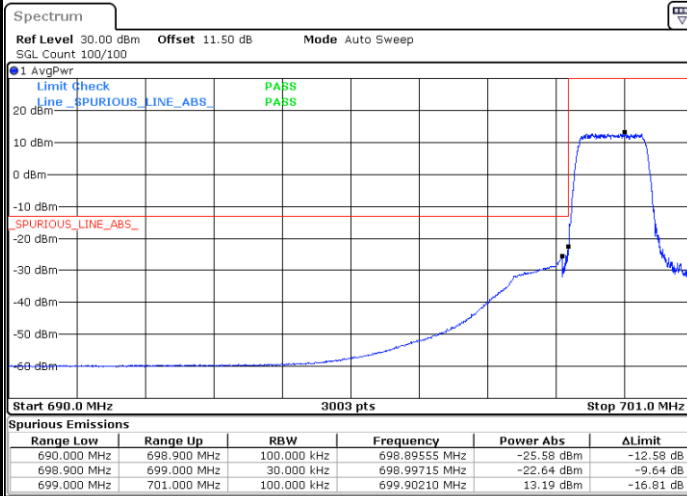
Date: 20.FEB.2024 13:54:09

Highest Band Edge / 1 RB



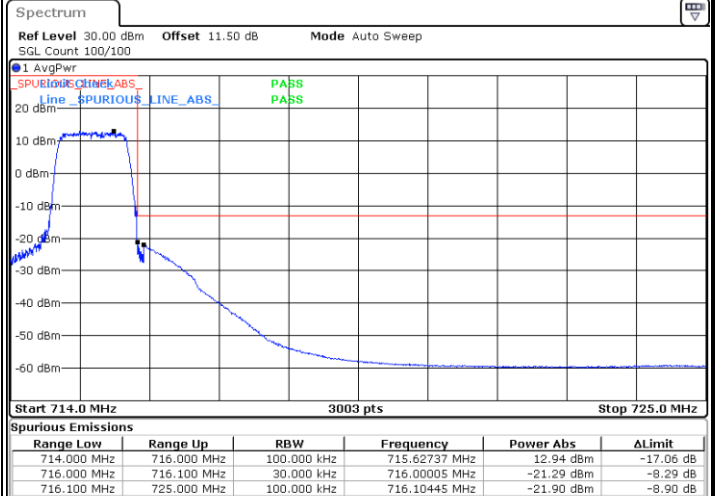
Date: 20.FEB.2024 14:08:13

Lowest Band Edge / Full RB



Date: 20.FEB.2024 13:52:51

Highest Band Edge / Full RB

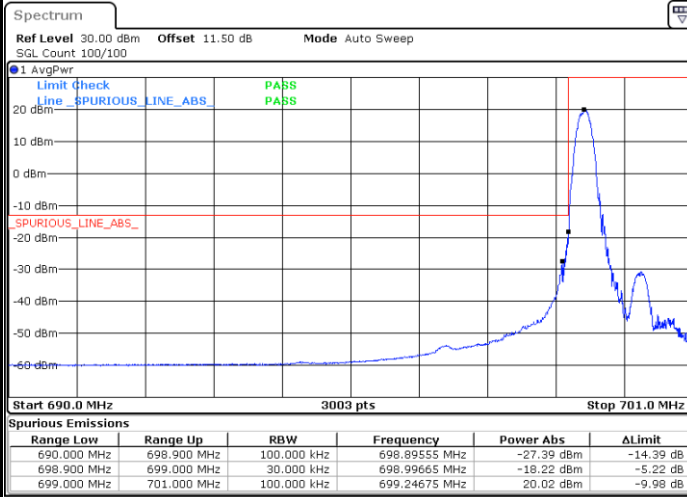


Date: 20.FEB.2024 14:06:55



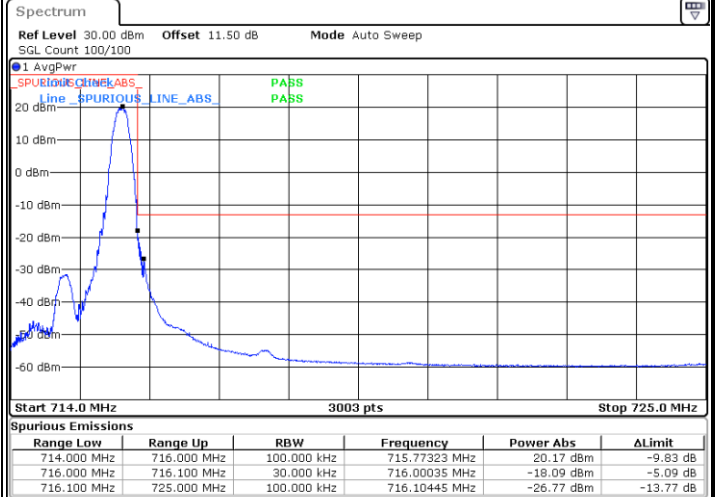
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



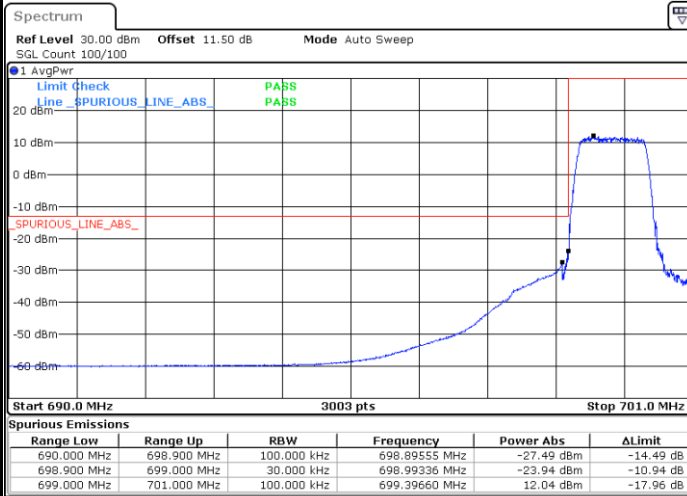
Date: 20.FEB.2024 14:13:33

Highest Band Edge / 1 RB



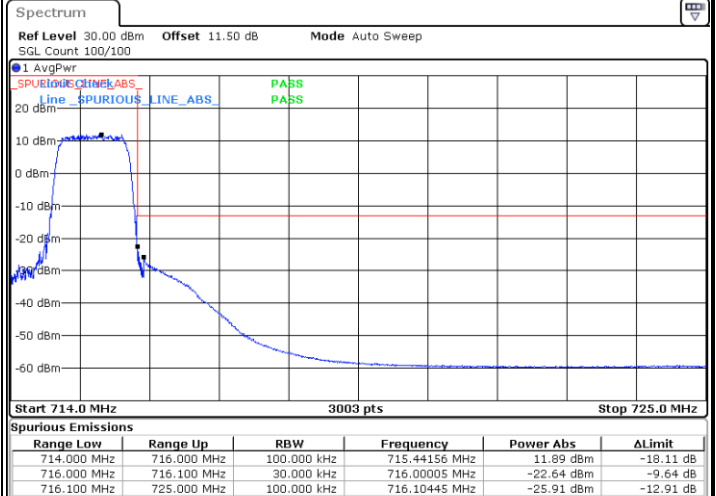
Date: 20.FEB.2024 14:17:02

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:12:11

Highest Band Edge / Full RB

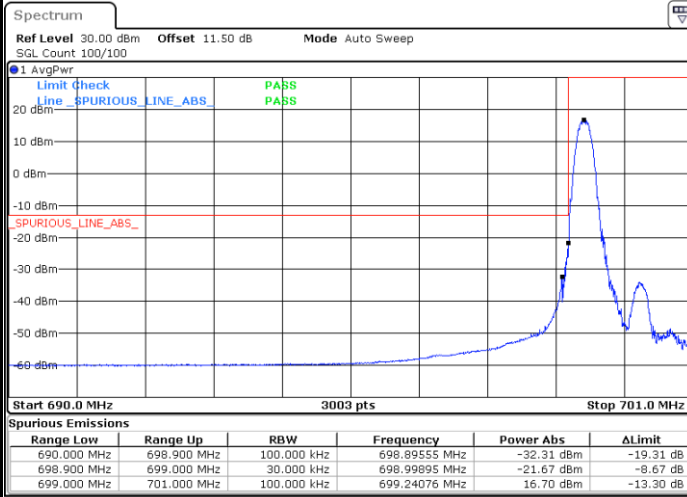


Date: 20.FEB.2024 14:15:40



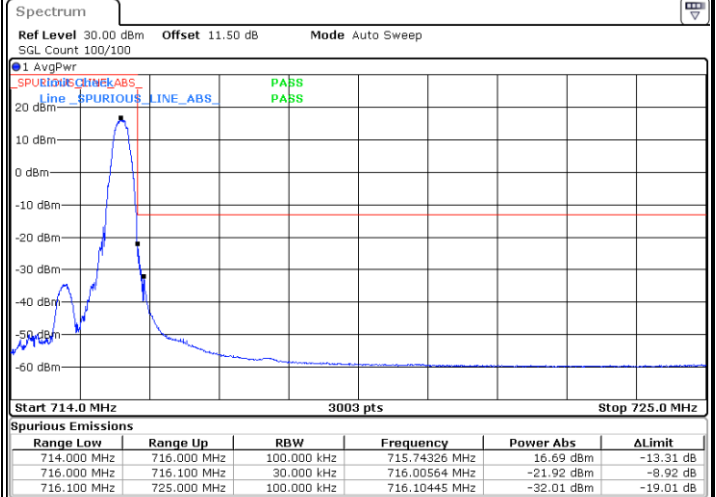
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



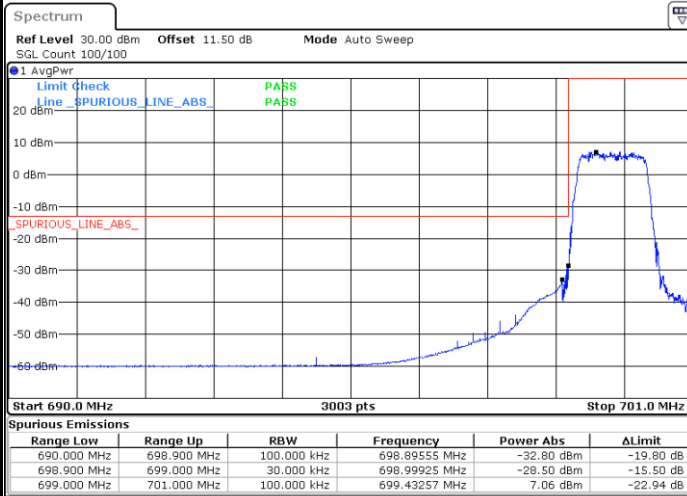
Date: 1.MAR.2024 17:19:21

Highest Band Edge / 1 RB



Date: 1.MAR.2024 17:22:58

Lowest Band Edge / Full RB



Date: 1.MAR.2024 17:18:29

Highest Band Edge / Full RB

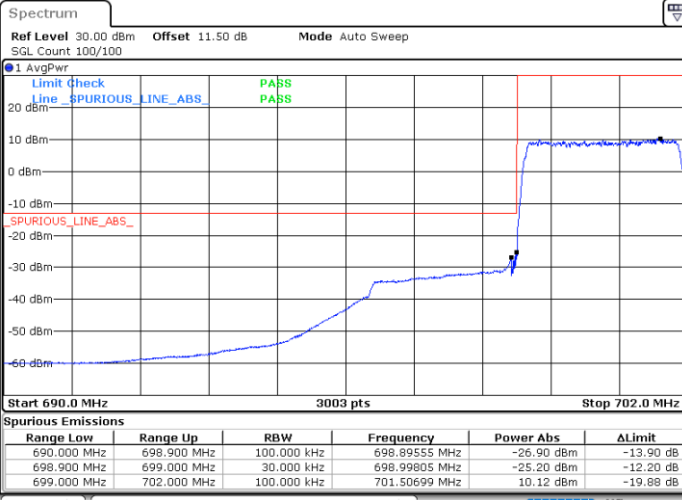


Date: 1.MAR.2024 17:22:03



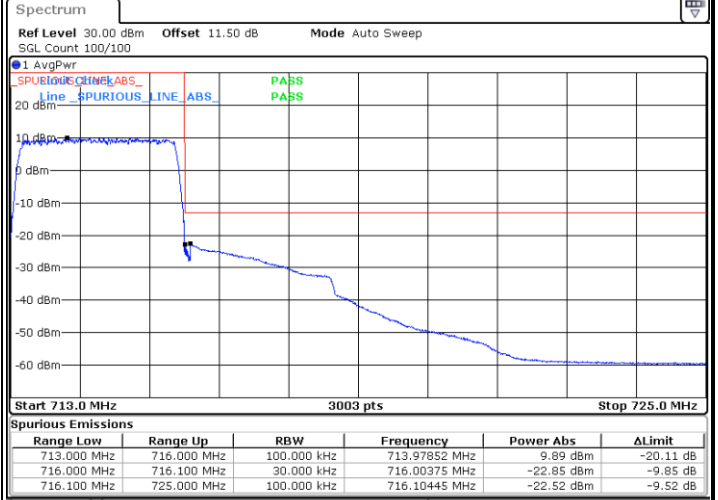
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:18:24

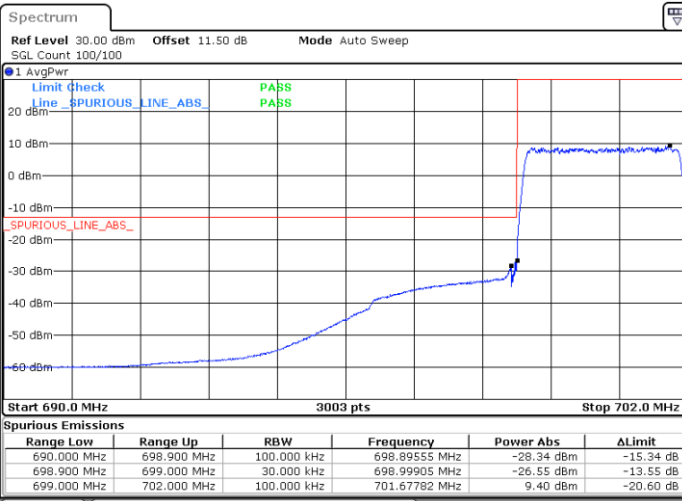
Highest Band Edge / Full RB



Date: 20.FEB.2024 14:24:44

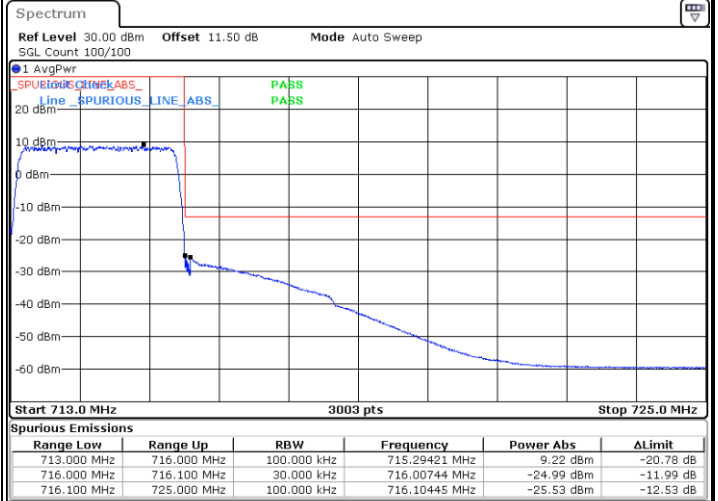
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:19:46

Highest Band Edge / Full RB

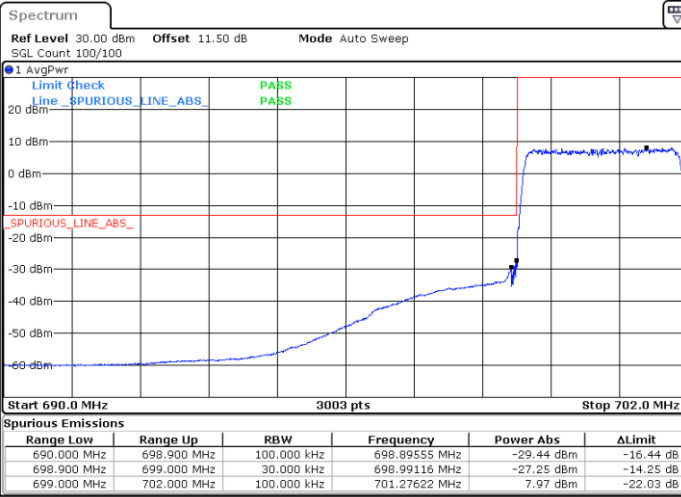


Date: 20.FEB.2024 14:26:06



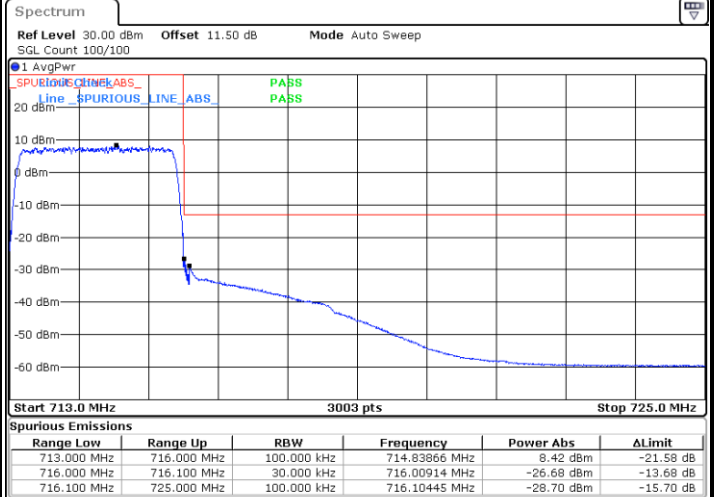
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:27:28

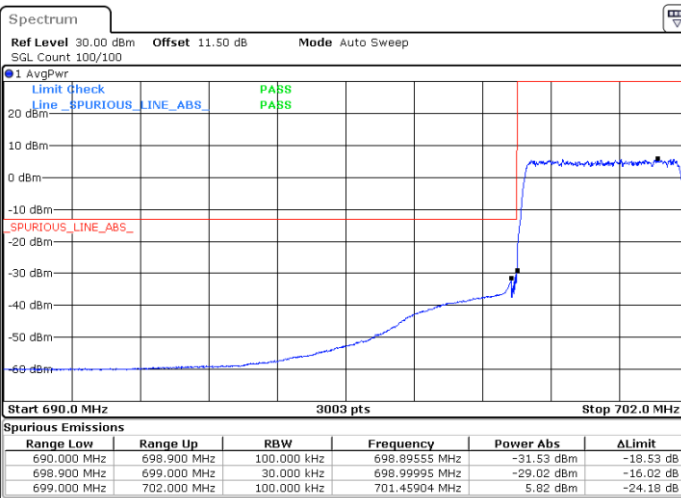
Highest Band Edge / Full RB



Date: 20.FEB.2024 14:31:24

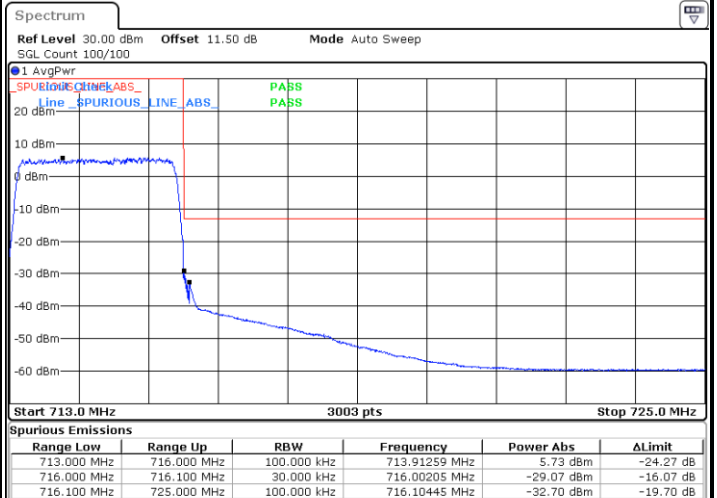
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Date: 1.MAR.2024 17:25:30

Highest Band Edge / Full RB

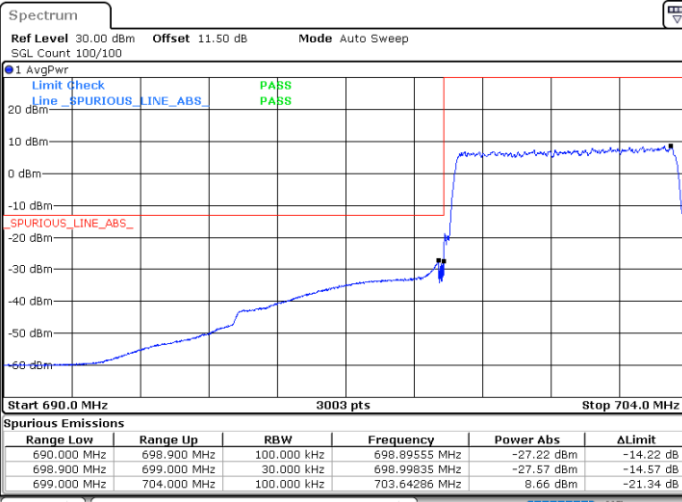


Date: 1.MAR.2024 17:28:12



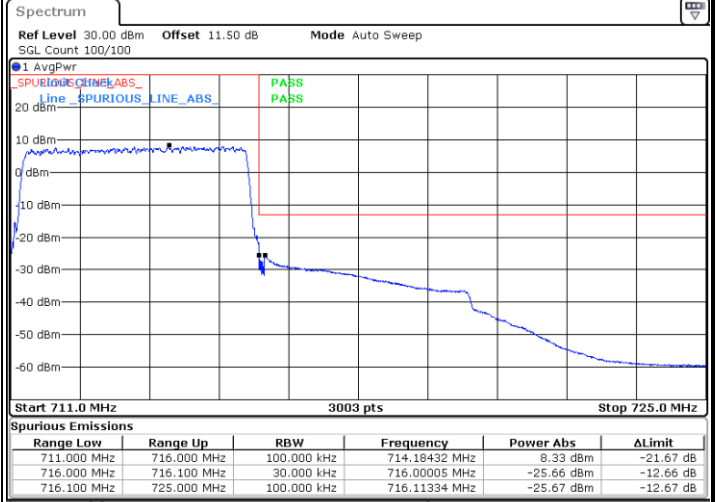
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:38:05

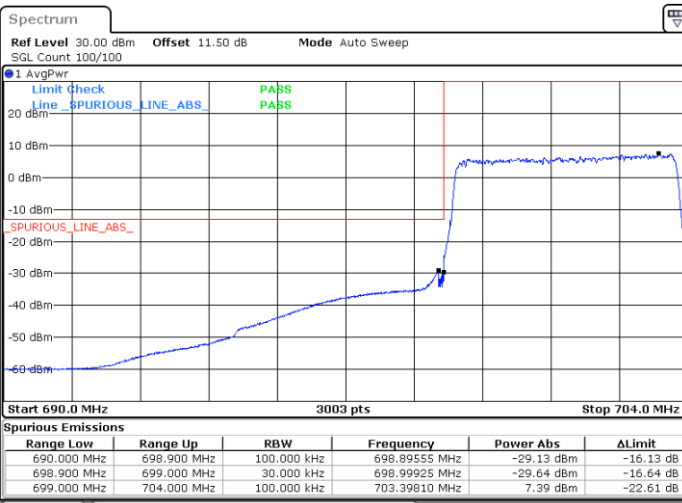
Highest Band Edge / Full RB



Date: 20.FEB.2024 14:44:24

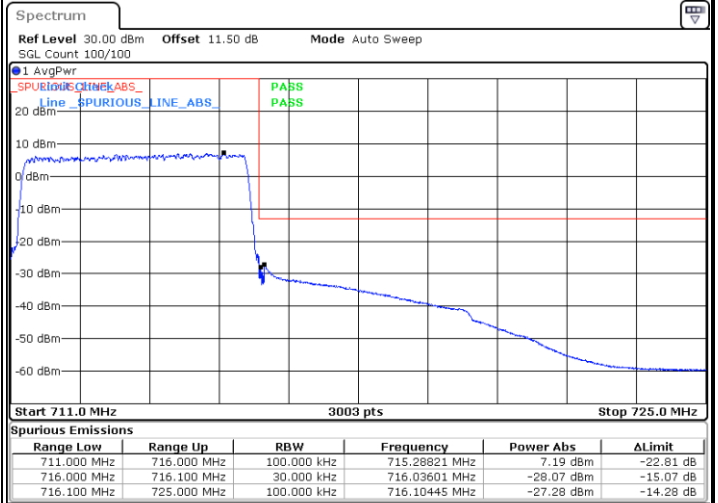
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:39:27

Highest Band Edge / Full RB

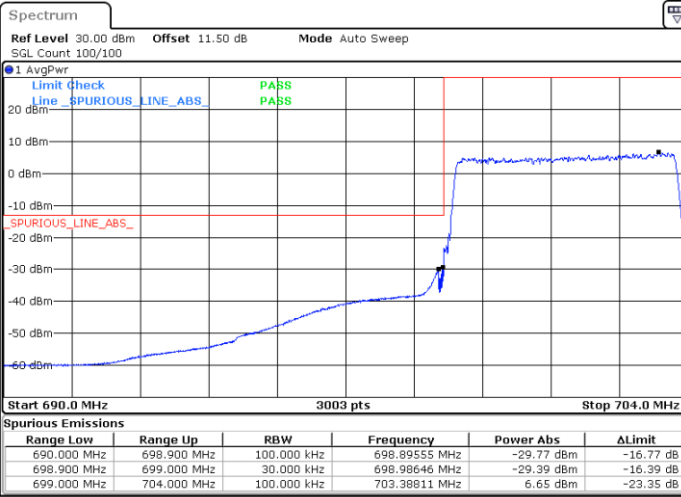


Date: 20.FEB.2024 14:45:46



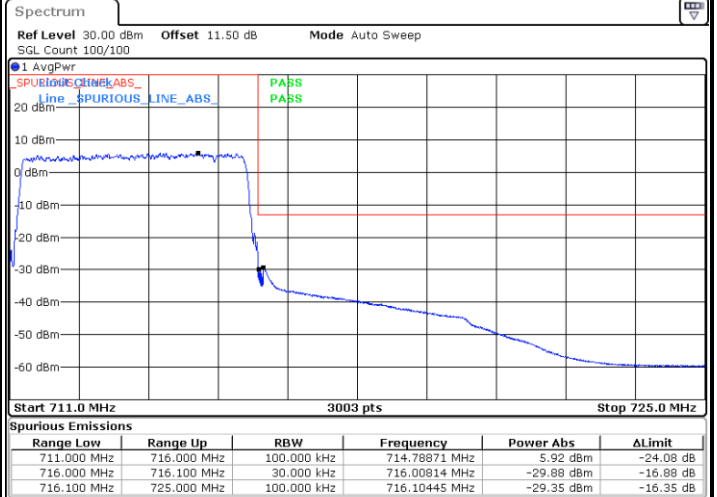
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:32:47

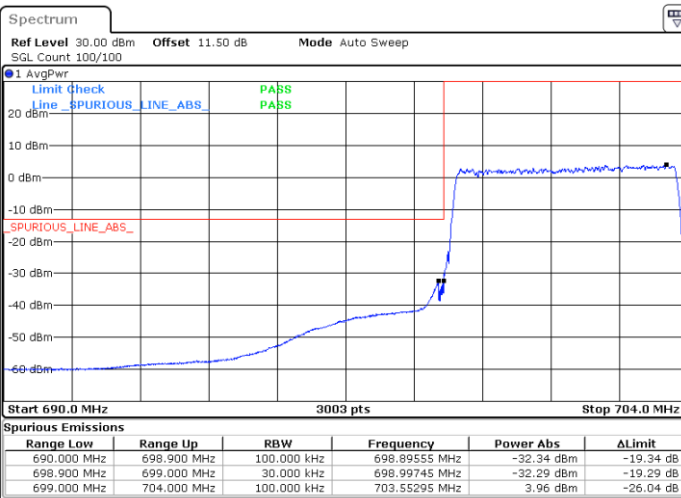
Highest Band Edge / Full RB



Date: 20.FEB.2024 14:36:44

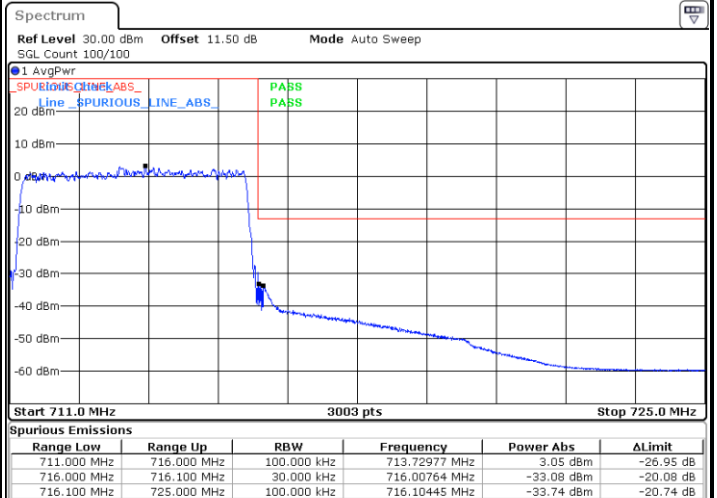
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 1.MAR.2024 17:33:47

Highest Band Edge / Full RB



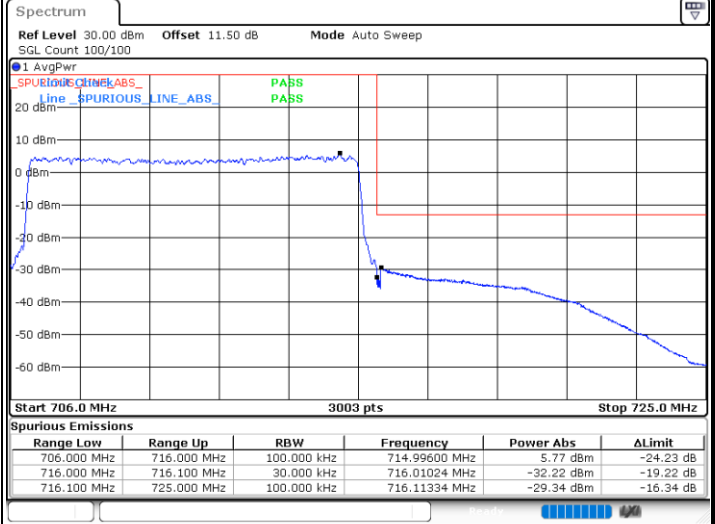
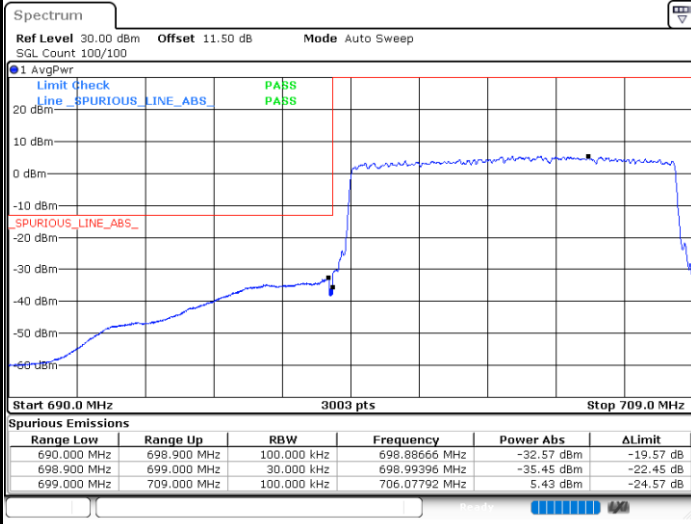
Date: 1.MAR.2024 17:36:03



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



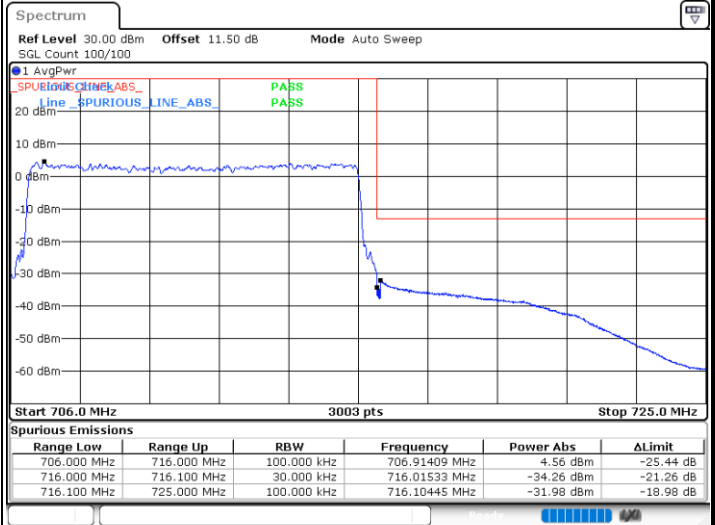
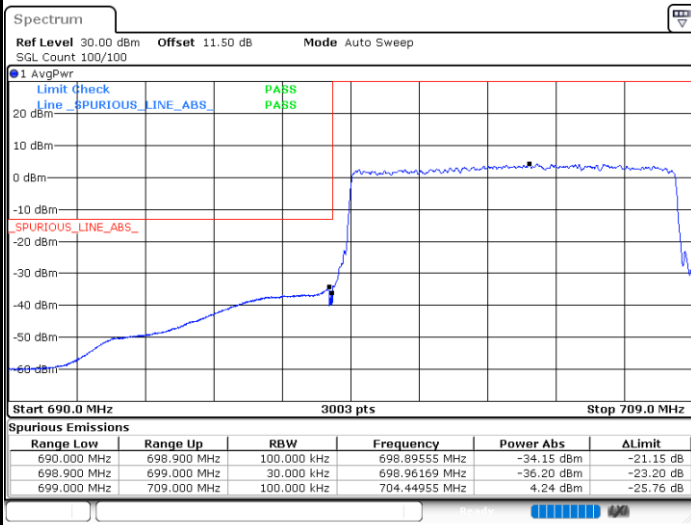
Date: 20.FEB.2024 14:47:09

Date: 20.FEB.2024 14:53:29

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.FEB.2024 14:48:31

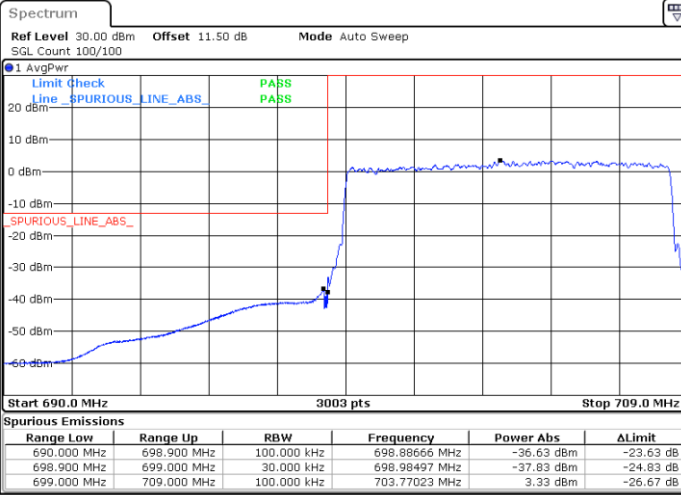
Date: 20.FEB.2024 14:54:51





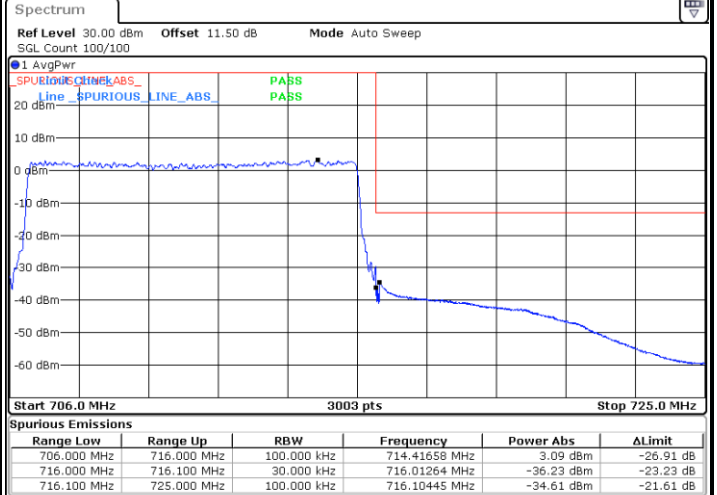
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 20.FEB.2024 14:56:13

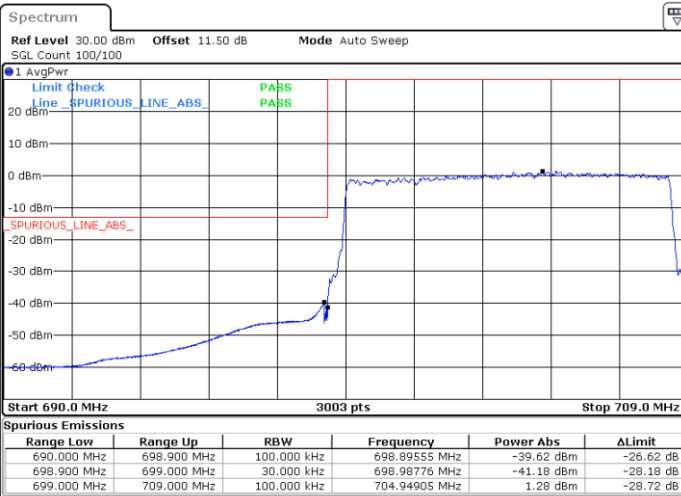
Highest Band Edge / Full RB



Date: 20.FEB.2024 15:00:09

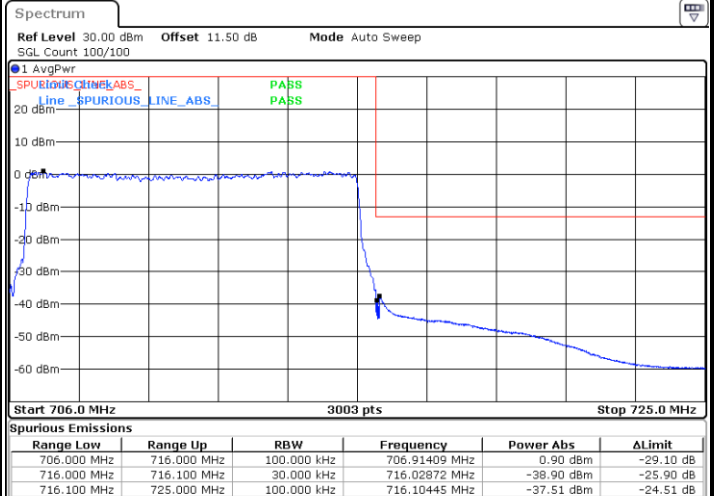
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 1.MAR.2024 17:37:52

Highest Band Edge / Full RB



Date: 1.MAR.2024 17:40:34

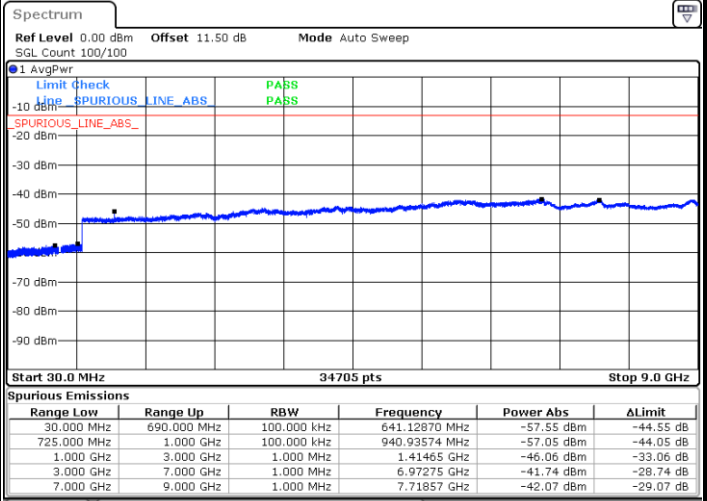
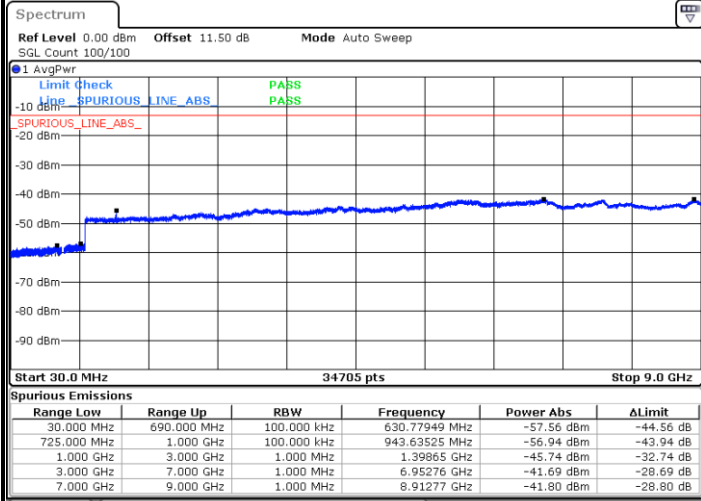


# Conducted Spurious Emission

## LTE Band 12 / 1.4MHz

### Lowest Channel / QPSK

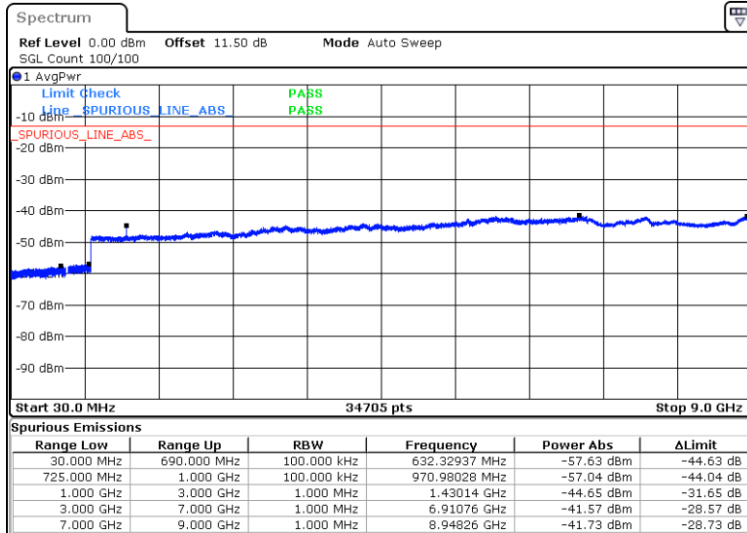
### Middle Channel / QPSK



Date: 20.FEB.2024 13:59:18

Date: 20.FEB.2024 14:04:13

### Highest Channel / QPSK



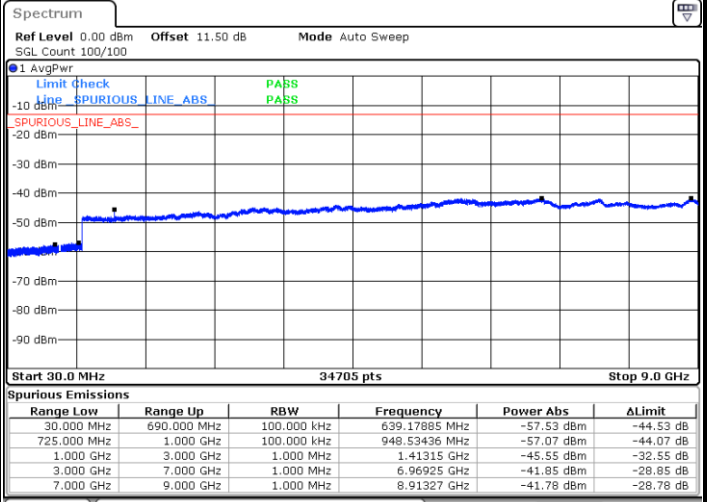
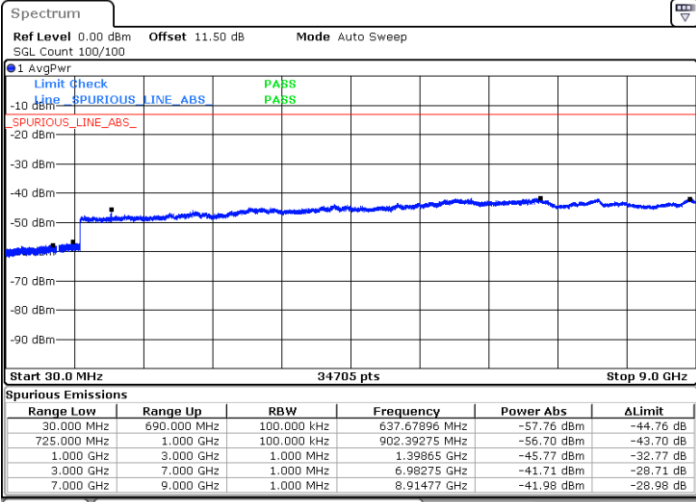
Date: 20.FEB.2024 14:10:54



LTE Band 12 / 3MHz

Lowest Channel / QPSK

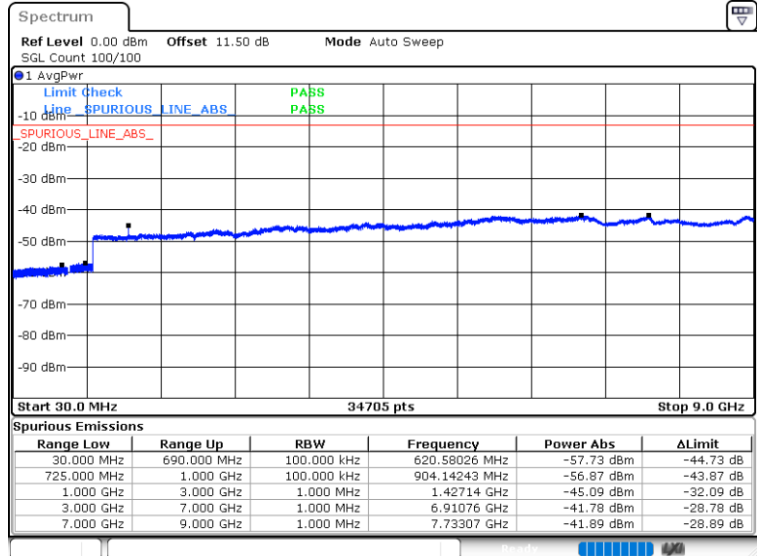
Middle Channel / QPSK



Date: 20.FEB.2024 15:03:11

Date: 20.FEB.2024 15:04:27

Highest Channel / QPSK



Date: 20.FEB.2024 15:05:44