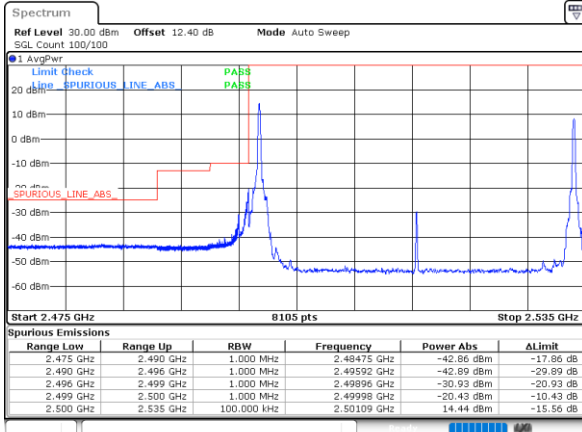




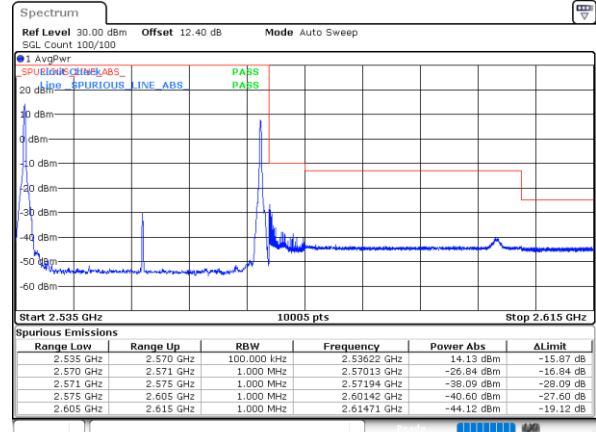
LTE Band 7C / 20MHz+15MHz

256QAM

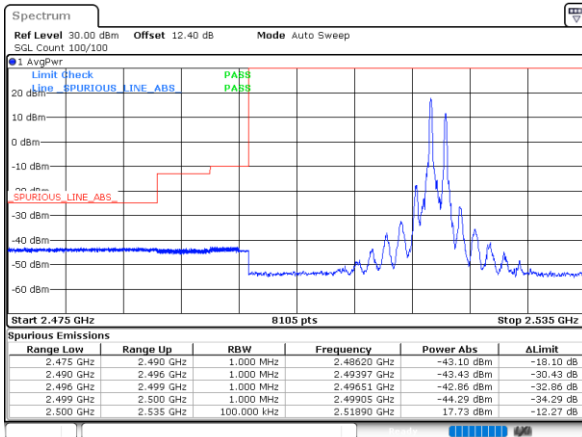
Lowest Band Edge / 1RB0 and 1RB74



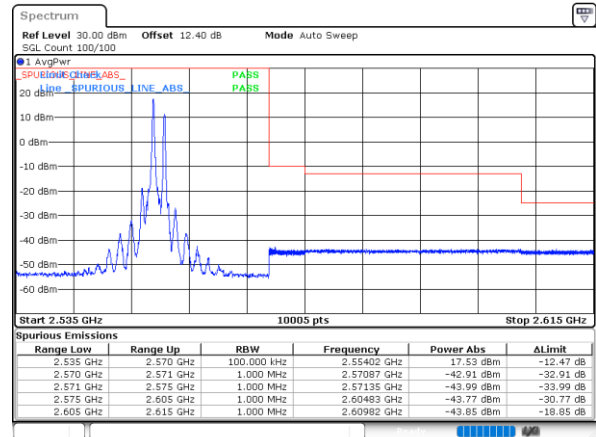
Highest Band Edge / 1RB0 and 1RB74



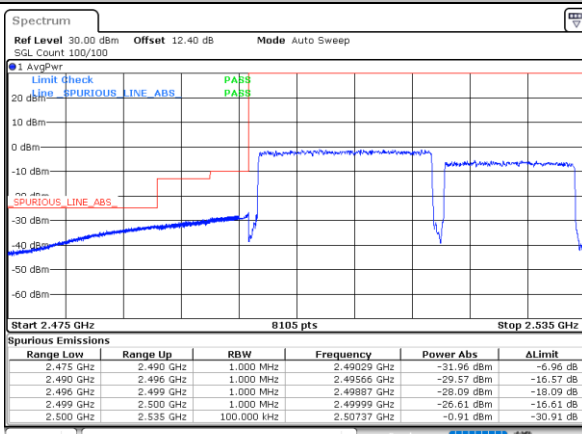
Lowest Band Edge / 1RB99 and 1RB0



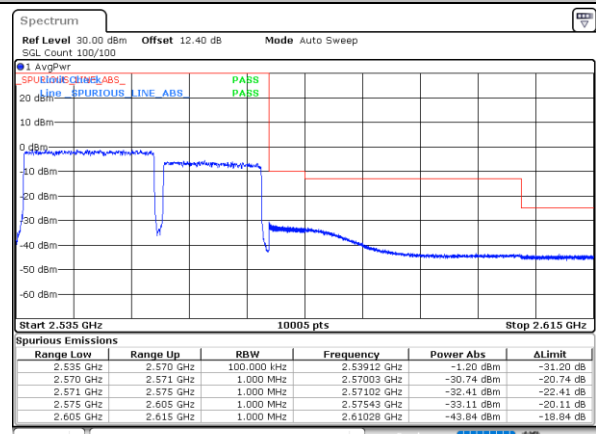
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

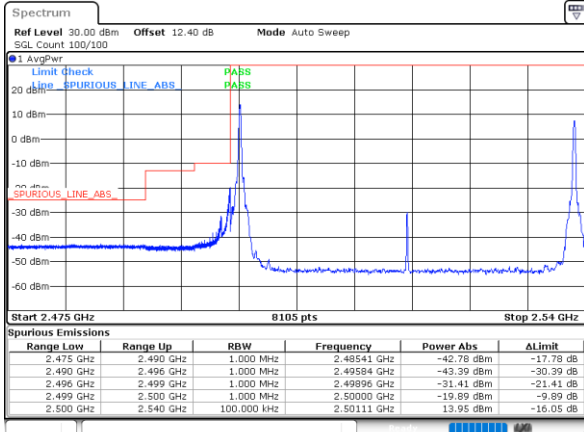




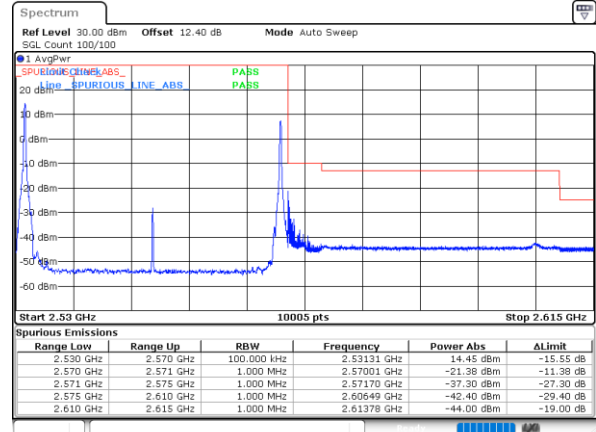
LTE Band 7C / 20MHz+20MHz

256QAM

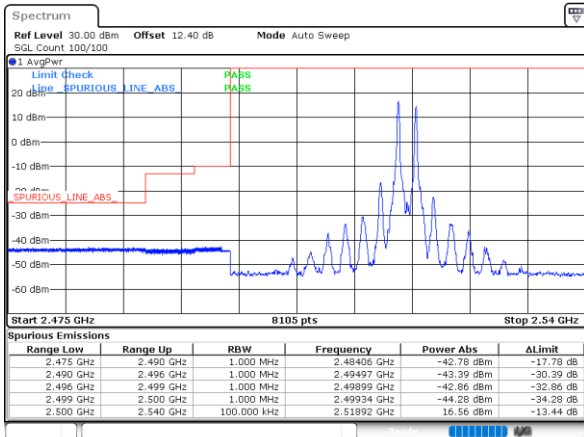
Lowest Band Edge / 1RB0 and 1RB99



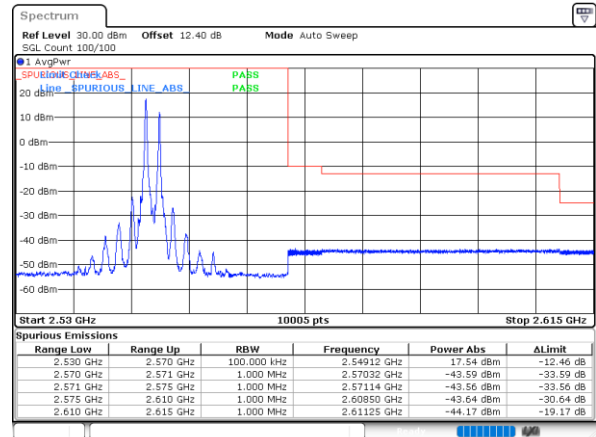
Highest Band Edge / 1RB0 and 1RB99



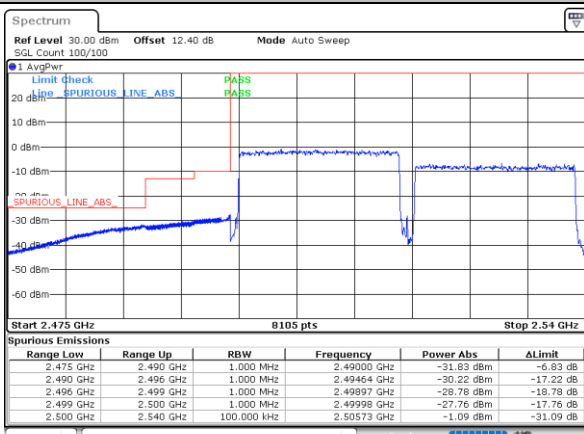
Lowest Band Edge / 1RB99 and 1RB0



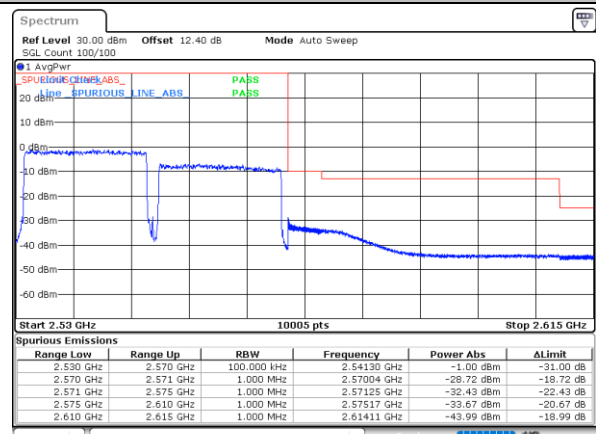
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





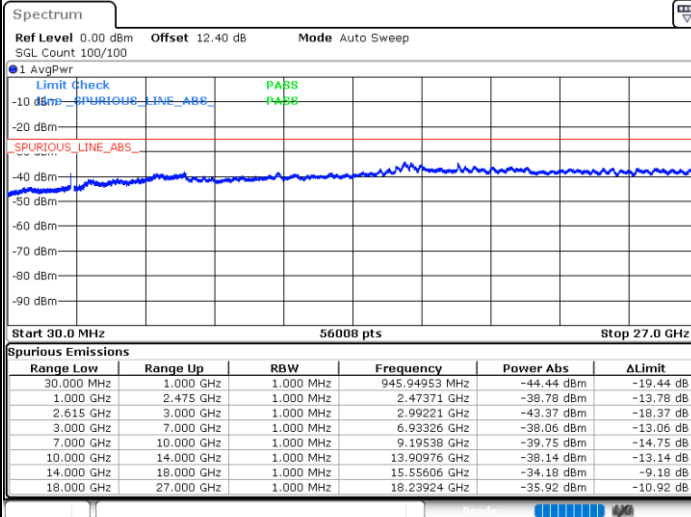
Conducted Spurious Emission

LTE Band 7C / 10MHz+20MHz

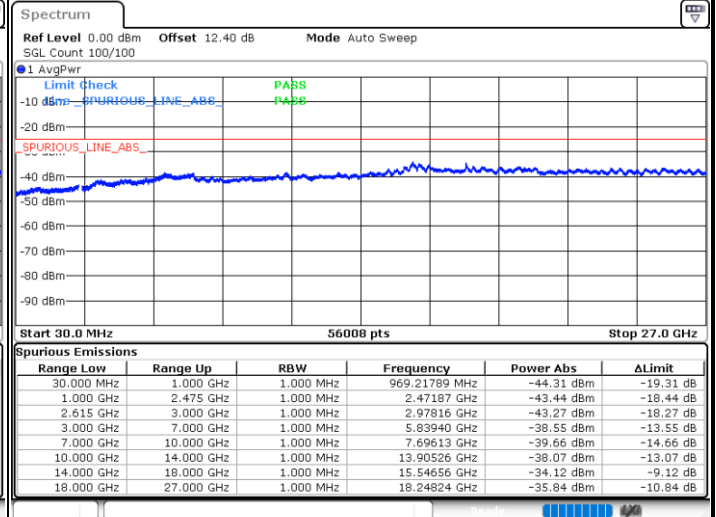
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



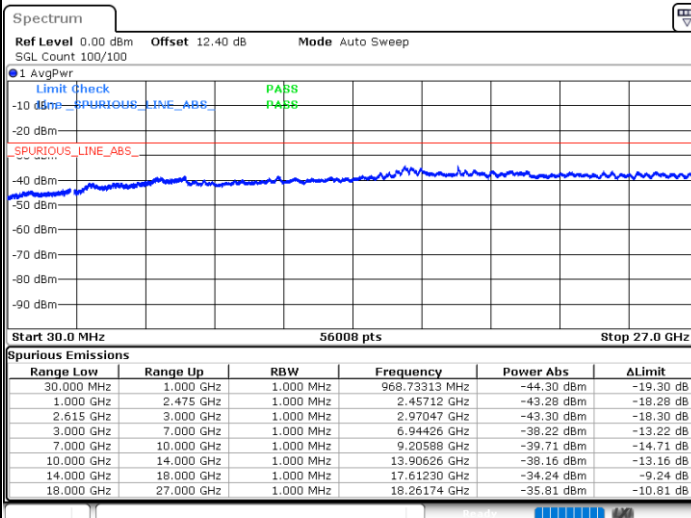
Date: 31.MAY.2024 04:01:13



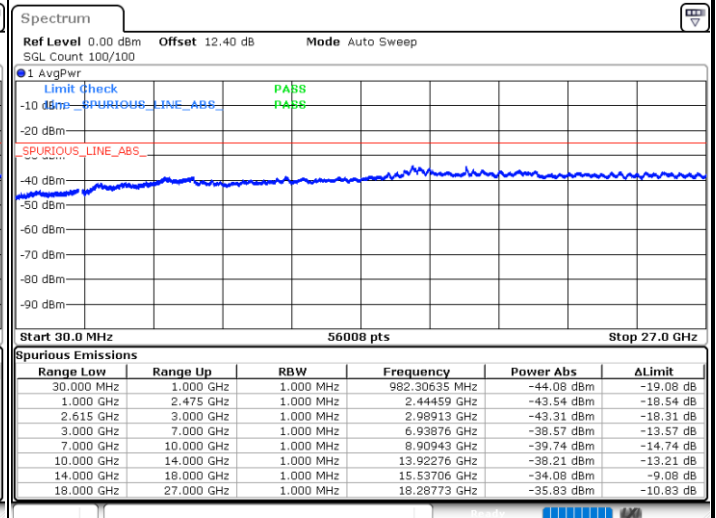
Date: 31.MAY.2024 03:59:55

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



Date: 31.MAY.2024 04:05:25



Date: 31.MAY.2024 04:06:42

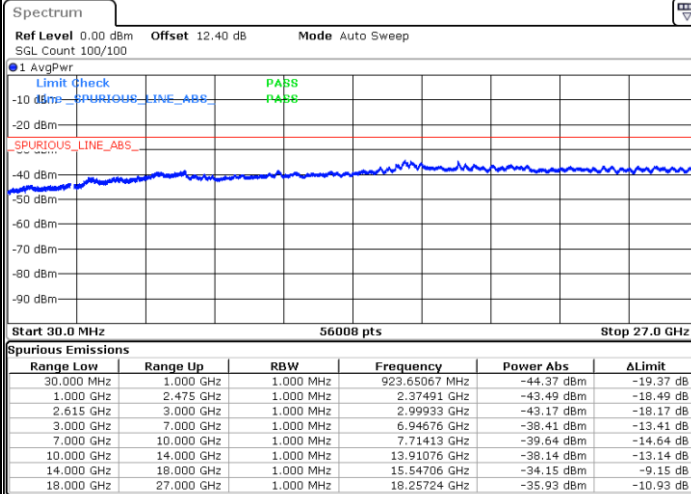


LTE Band 7C / 10MHz+20MHz

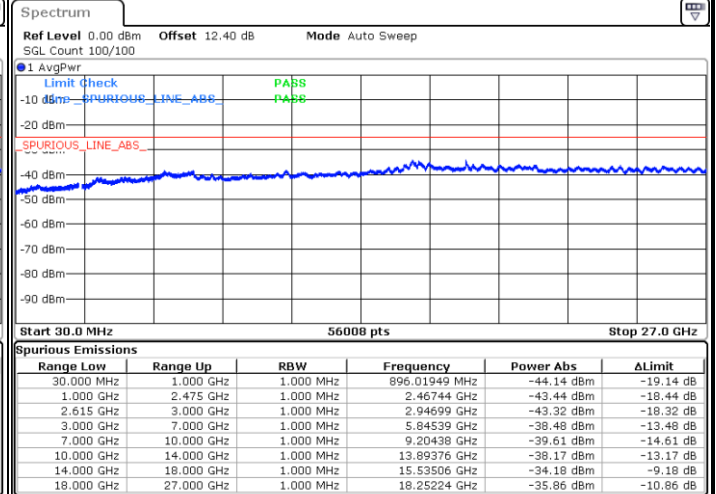
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



Date: 31.MAY.2024 03:48:29



Date: 31.MAY.2024 03:47:11

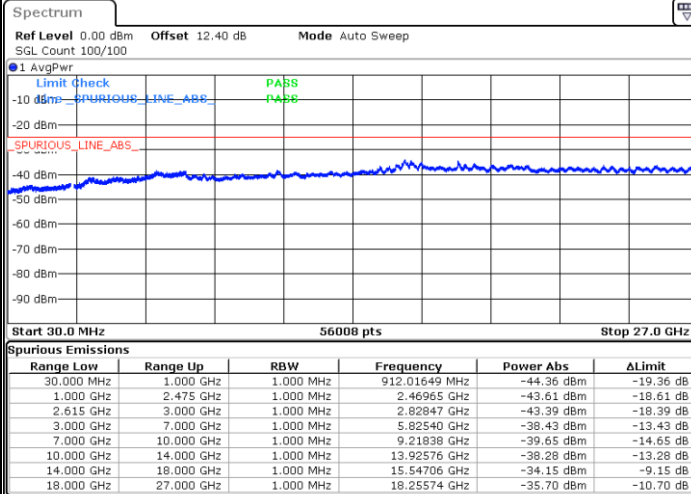


LTE Band 7C / 15MHz+10MHz

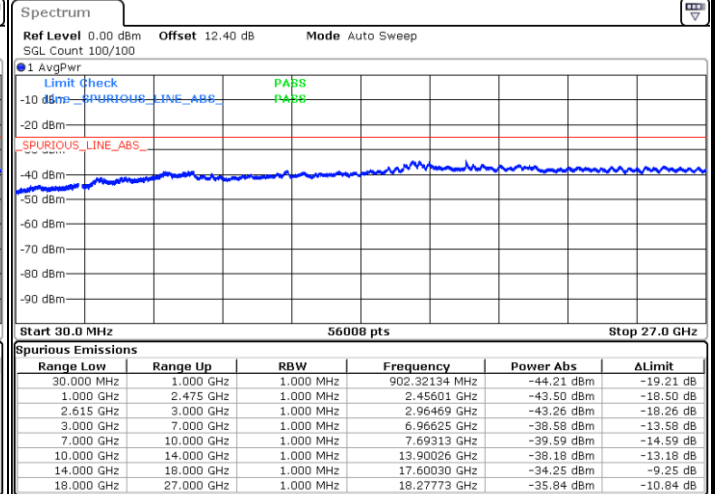
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB74 and 1RB0



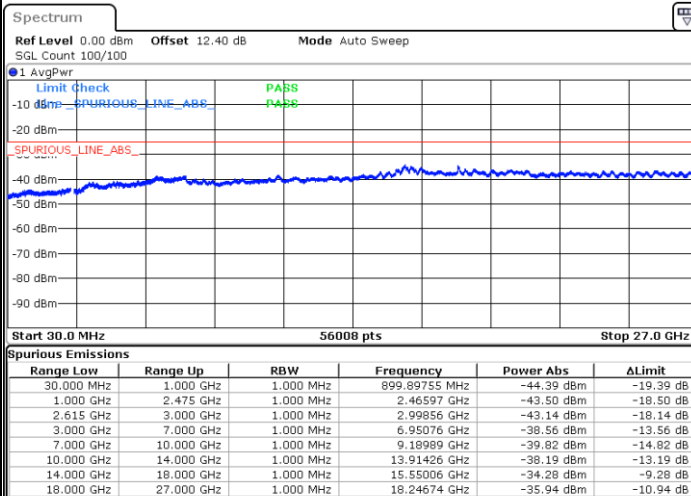
Date: 31.MAY.2024 07:08:00



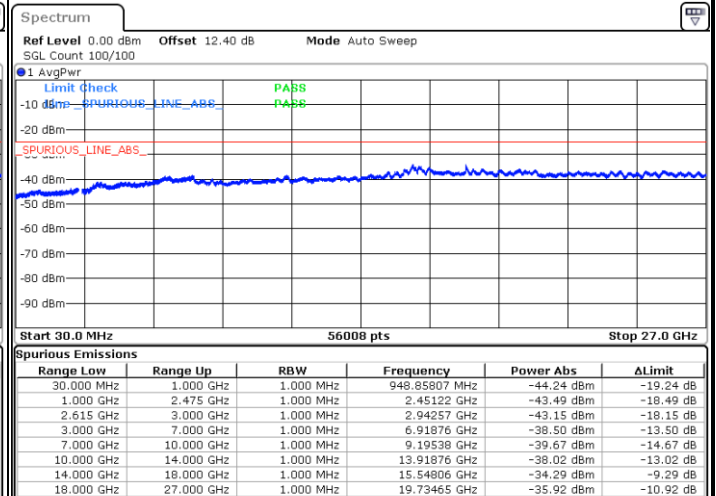
Date: 31.MAY.2024 07:06:43

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB74 and 1RB0



Date: 31.MAY.2024 07:12:11



Date: 31.MAY.2024 07:13:29

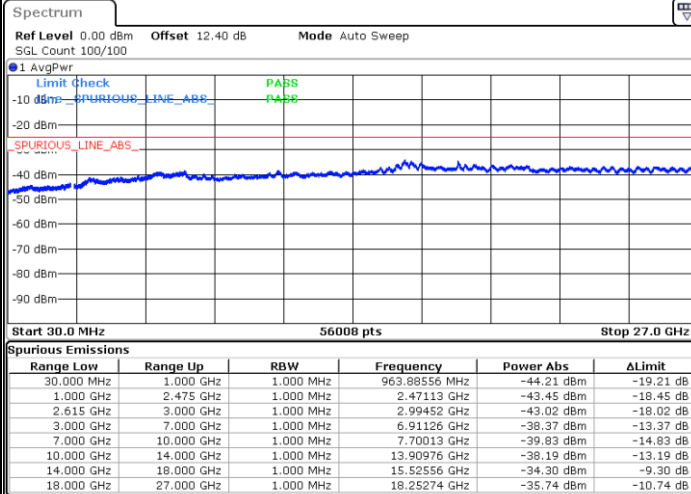


LTE Band 7C / 15MHz+10MHz

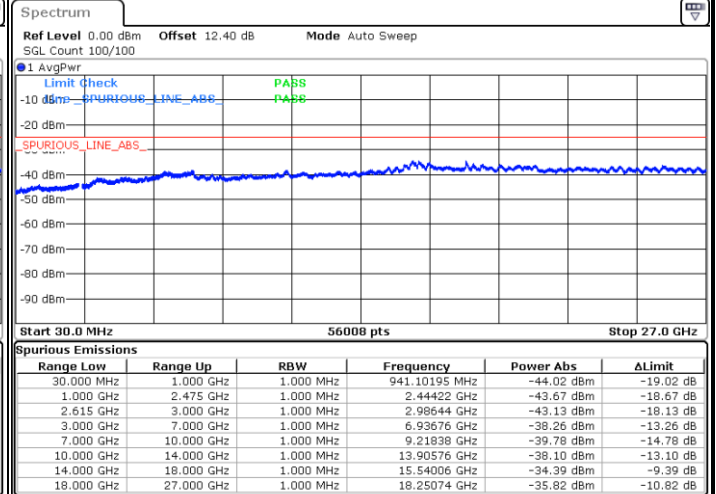
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB74 and 1RB0



Date: 31.MAY.2024 06:55:16



Date: 31.MAY.2024 06:53:59



LTE Band 7C / 15MHz+15MHz

QPSK

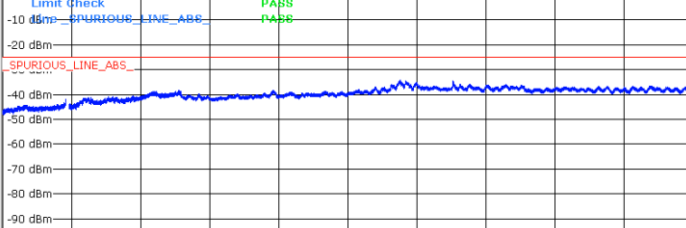
Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-44.36 dBm	-19.36 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47260 GHz	-41.76 dBm	-16.76 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96643 GHz	-43.32 dBm	-18.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94126 GHz	-38.38 dBm	-13.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.19638 GHz	-39.80 dBm	-14.80 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91526 GHz	-38.15 dBm	-13.15 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54906 GHz	-34.32 dBm	-9.32 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69716 GHz	-35.88 dBm	-10.88 dB

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-44.30 dBm	-19.30 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47150 GHz	-43.02 dBm	-18.02 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99529 GHz	-43.21 dBm	-18.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94576 GHz	-38.64 dBm	-13.64 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.17439 GHz	-39.72 dBm	-14.72 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88476 GHz	-38.12 dBm	-13.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.60180 GHz	-34.23 dBm	-9.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.24424 GHz	-35.89 dBm	-10.89 dB

Date: 31.MAY.2024 05:02:20

Date: 31.MAY.2024 05:01:04

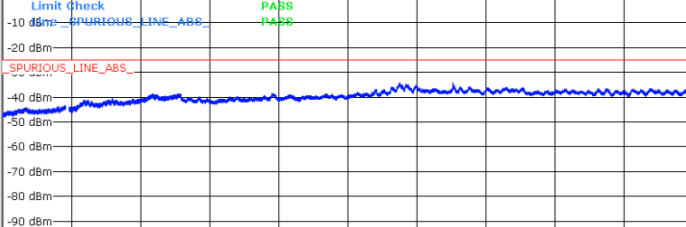
Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

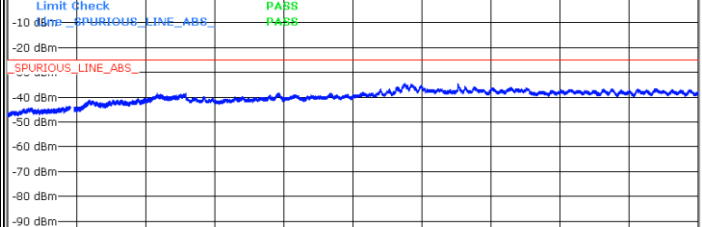
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-44.27 dBm	-19.27 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45896 GHz	-43.46 dBm	-18.46 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99952 GHz	-43.24 dBm	-18.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-38.59 dBm	-13.59 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.20038 GHz	-39.66 dBm	-14.66 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88826 GHz	-38.10 dBm	-13.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54506 GHz	-34.16 dBm	-9.16 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.23774 GHz	-35.85 dBm	-10.85 dB

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-44.21 dBm	-19.21 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46892 GHz	-43.64 dBm	-18.64 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99894 GHz	-43.19 dBm	-18.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.85439 GHz	-38.26 dBm	-13.26 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.20388 GHz	-39.76 dBm	-14.76 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90076 GHz	-38.06 dBm	-13.06 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.55306 GHz	-34.36 dBm	-9.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.70866 GHz	-35.89 dBm	-10.89 dB

Date: 31.MAY.2024 05:06:20

Date: 31.MAY.2024 05:07:35

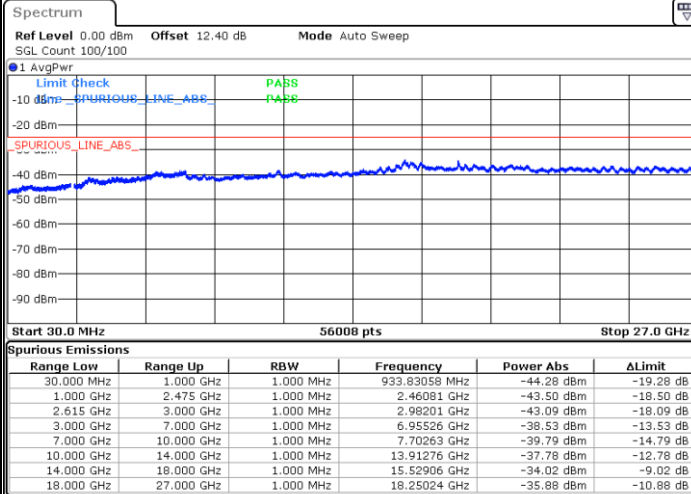


LTE Band 7C / 15MHz+15MHz

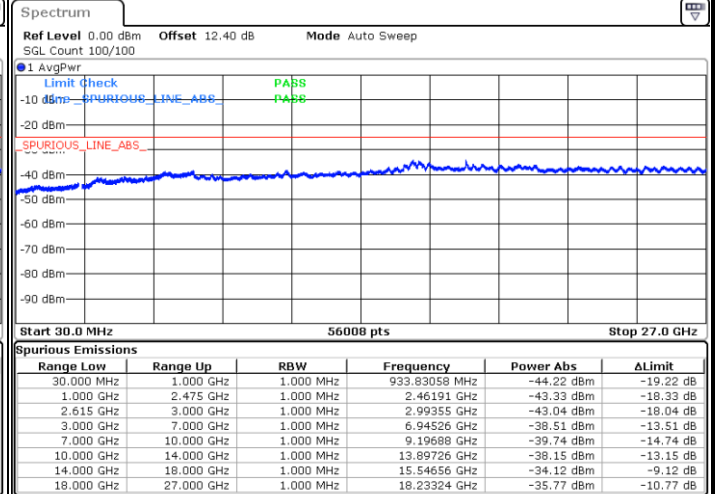
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



Date: 31.MAY.2024 04:50:00



Date: 31.MAY.2024 04:48:44

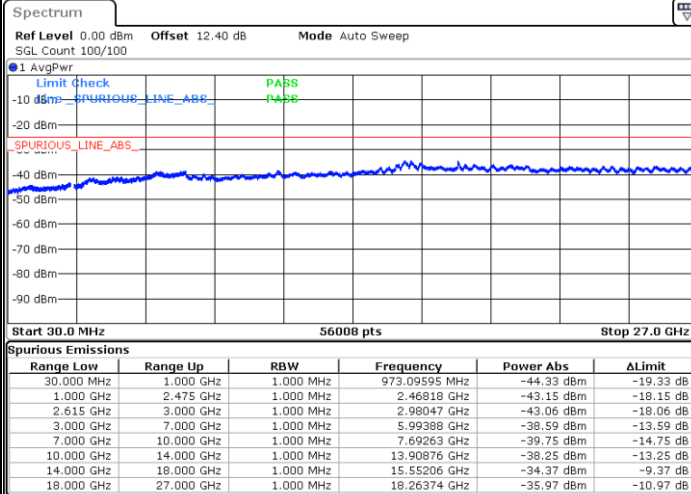


LTE Band 7C / 15MHz+20MHz

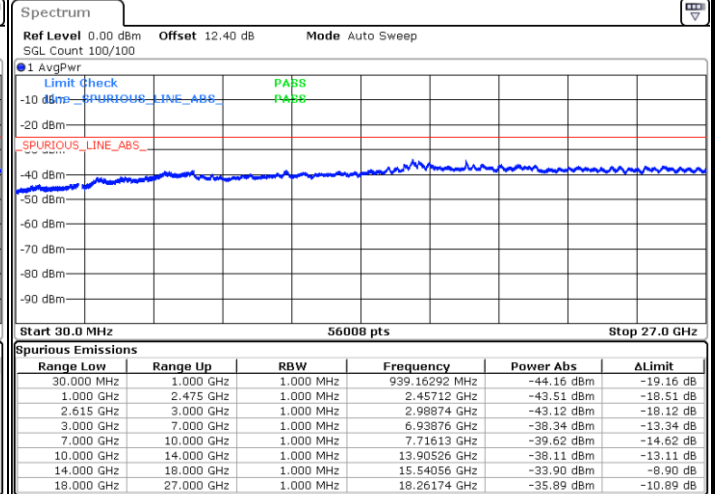
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



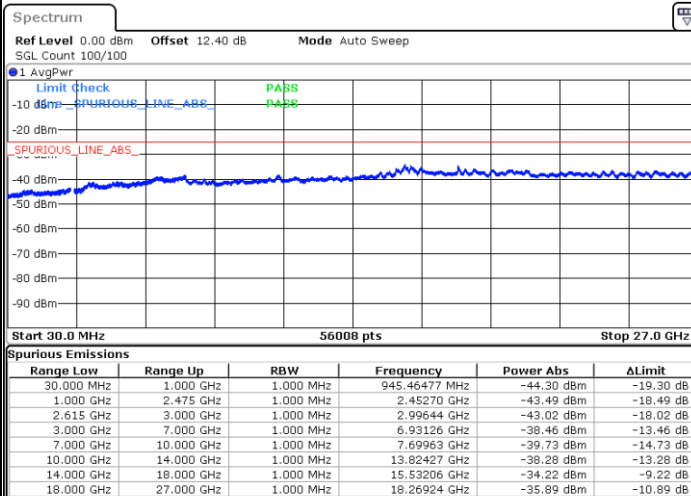
Date: 31.MAY.2024 05:33:02



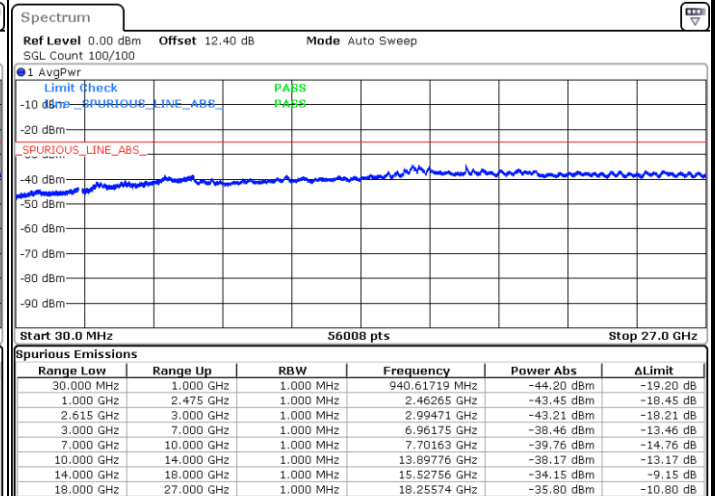
Date: 31.MAY.2024 05:31:45

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Date: 31.MAY.2024 05:37:14



Date: 31.MAY.2024 05:38:31

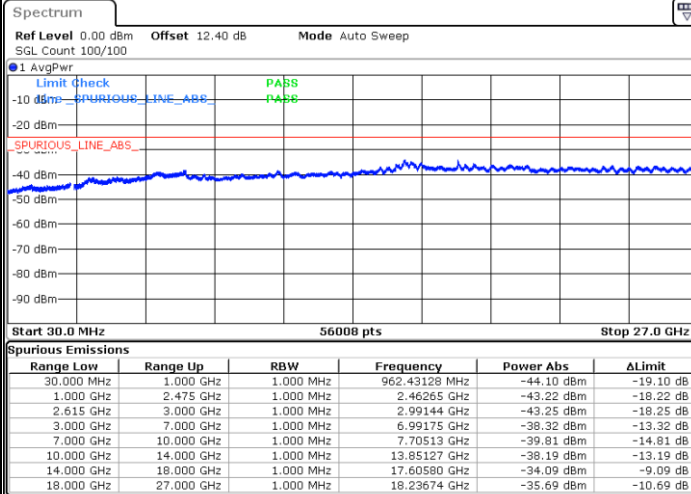


LTE Band 7C / 15MHz+20MHz

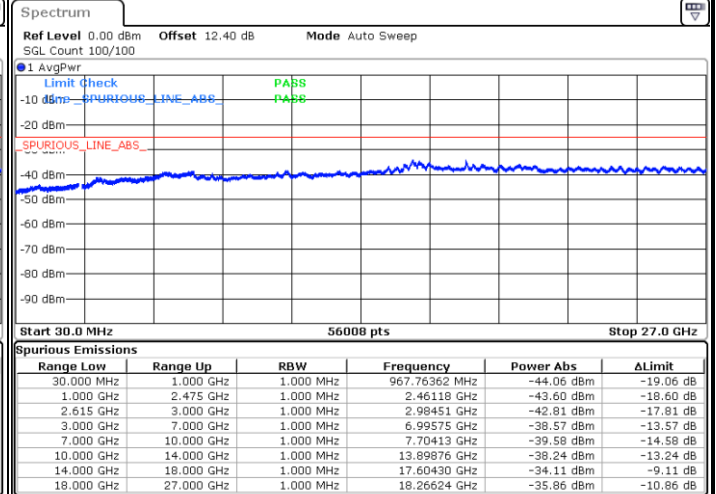
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



Date: 31.MAY.2024 05:20:18



Date: 31.MAY.2024 05:19:01

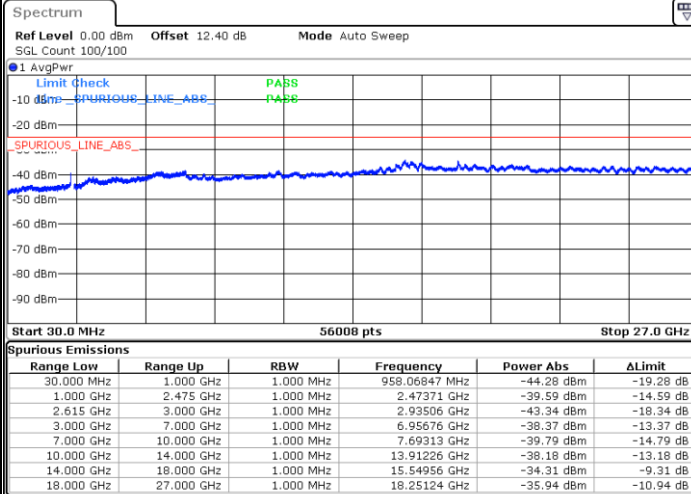


LTE Band 7C / 20MHz+10MHz

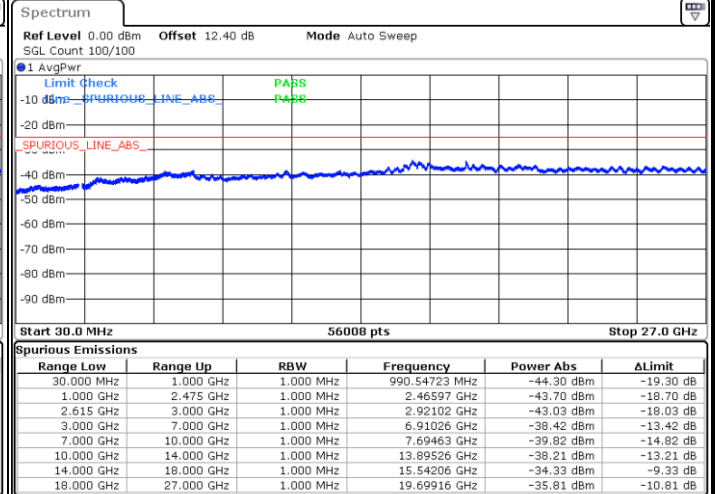
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



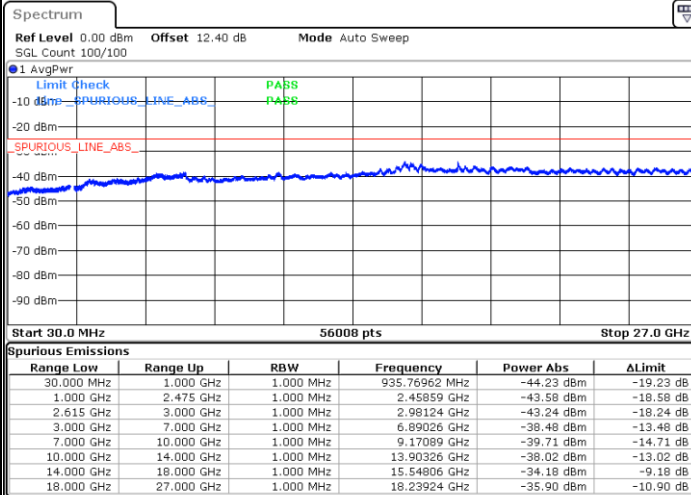
Date: 31.MAY.2024 04:32:10



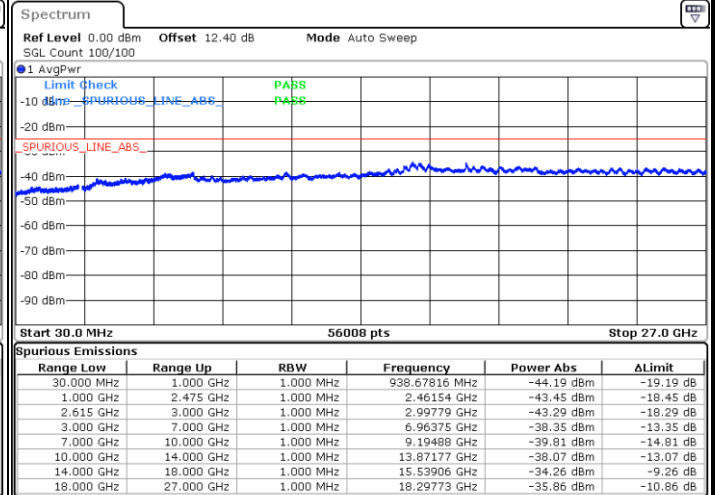
Date: 31.MAY.2024 04:30:53

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



Date: 31.MAY.2024 04:36:22



Date: 31.MAY.2024 04:37:40

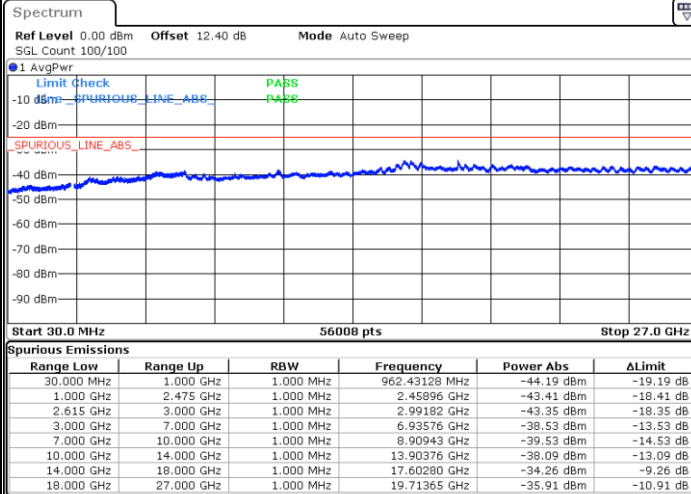


LTE Band 7C / 20MHz+10MHz

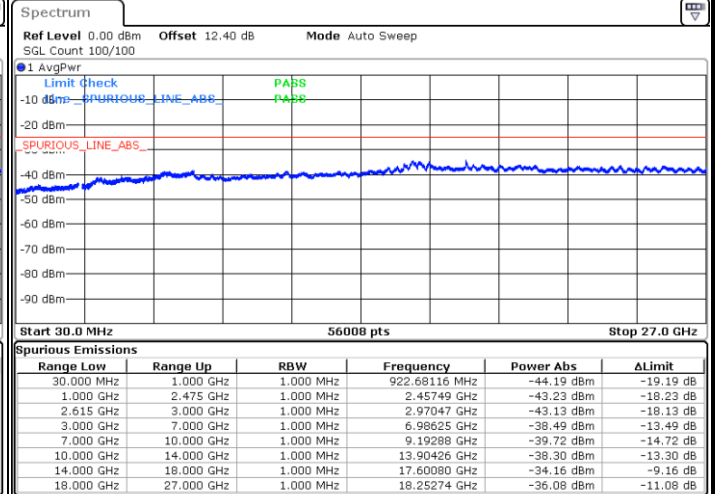
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



Date: 31.MAY.2024 04:19:27



Date: 31.MAY.2024 04:18:09



LTE Band 7C / 20MHz+15MHz

QPSK

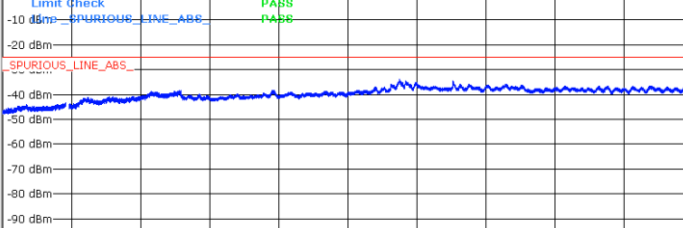
Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-43.97 dBm	-18.97 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47224 GHz	-43.48 dBm	-18.48 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99259 GHz	-43.17 dBm	-18.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92576 GHz	-38.46 dBm	-13.46 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.20288 GHz	-39.79 dBm	-14.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90026 GHz	-38.27 dBm	-13.27 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.53606 GHz	-33.96 dBm	-8.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.23874 GHz	-35.83 dBm	-10.83 dB

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-44.26 dBm	-19.26 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46929 GHz	-43.57 dBm	-18.57 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96142 GHz	-43.25 dBm	-18.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-38.51 dBm	-13.51 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.22738 GHz	-39.69 dBm	-14.69 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90626 GHz	-38.22 dBm	-13.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54306 GHz	-34.15 dBm	-9.15 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.25174 GHz	-35.94 dBm	-10.94 dB

Date: 31.MAY.2024 06:04:01

Date: 31.MAY.2024 06:02:43

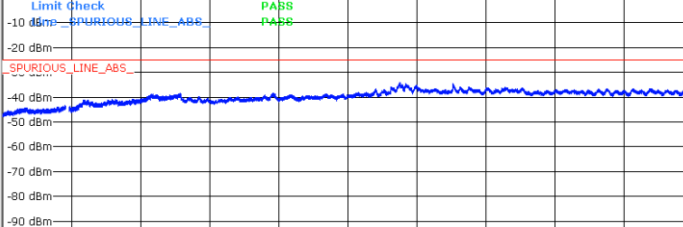
Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

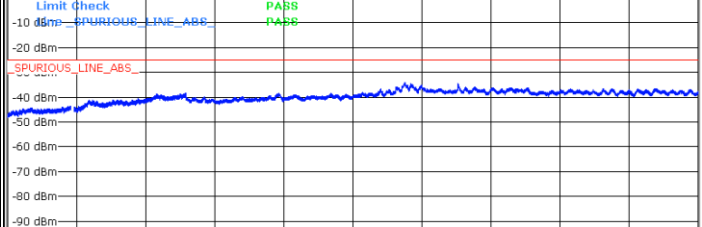
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.46477 MHz	-44.37 dBm	-19.37 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46965 GHz	-43.48 dBm	-18.48 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.98894 GHz	-43.06 dBm	-18.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96425 GHz	-38.42 dBm	-13.42 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.69813 GHz	-39.82 dBm	-14.82 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91026 GHz	-38.07 dBm	-13.07 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54956 GHz	-34.23 dBm	-9.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.27473 GHz	-35.85 dBm	-10.85 dB

Spectrum

Ref Level 0.00 dBm Offset 12.40 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.56222 MHz	-44.32 dBm	-19.32 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45159 GHz	-43.65 dBm	-18.65 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99317 GHz	-43.23 dBm	-18.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95626 GHz	-38.25 dBm	-13.25 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.70413 GHz	-39.72 dBm	-14.72 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90726 GHz	-38.15 dBm	-13.15 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54856 GHz	-34.23 dBm	-9.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.25224 GHz	-35.91 dBm	-10.91 dB

Date: 31.MAY.2024 06:11:03

Date: 31.MAY.2024 06:12:20

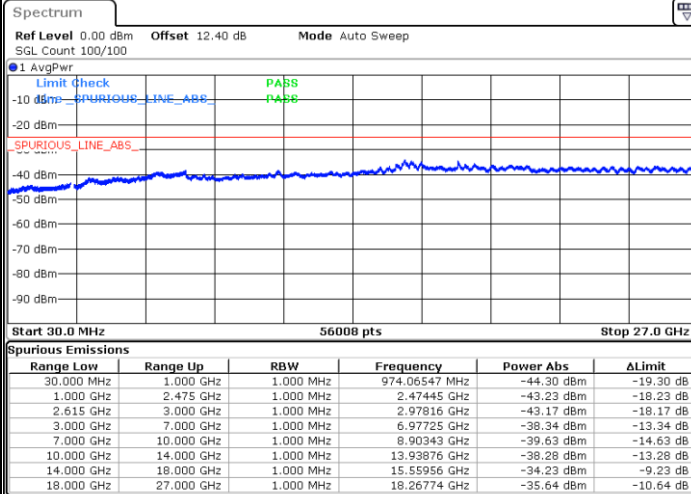


LTE Band 7C / 20MHz+15MHz

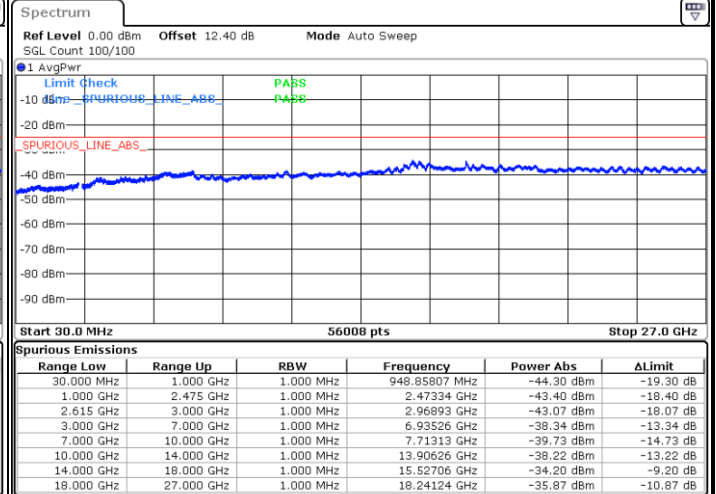
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



Date: 31.MAY.2024 05:51:17



Date: 31.MAY.2024 05:49:59

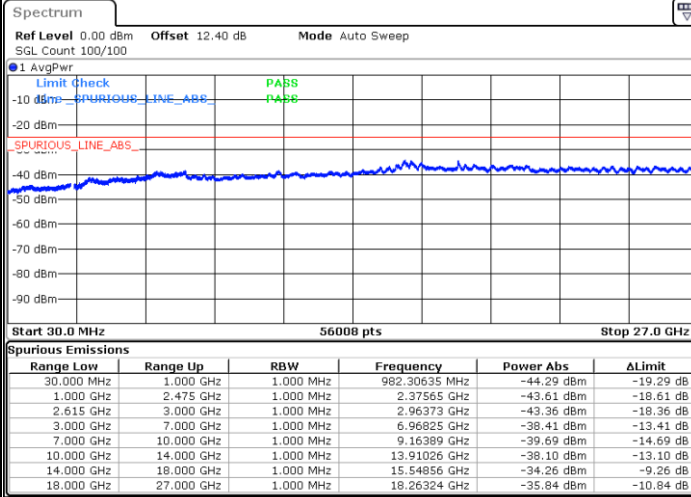


LTE Band 7C / 20MHz+20MHz

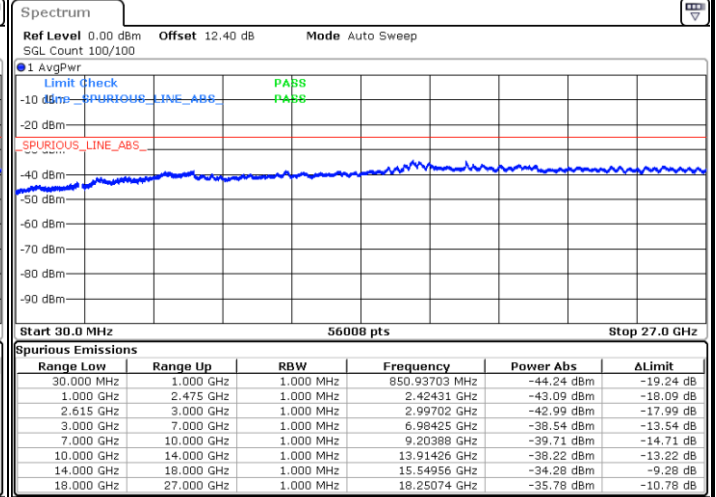
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



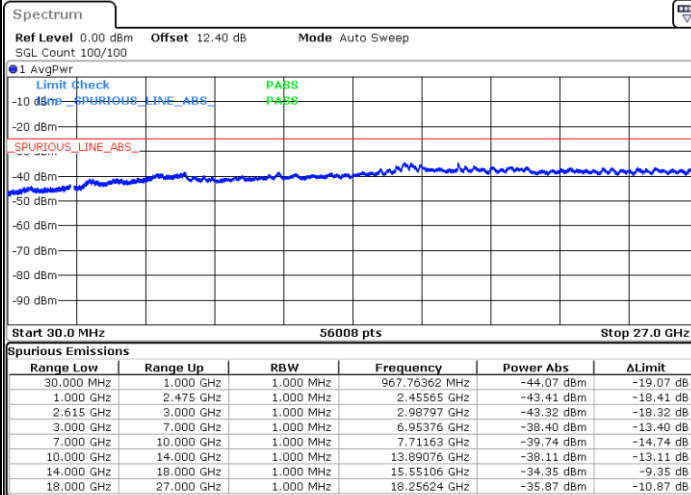
Date: 31.MAY.2024 06:37:13



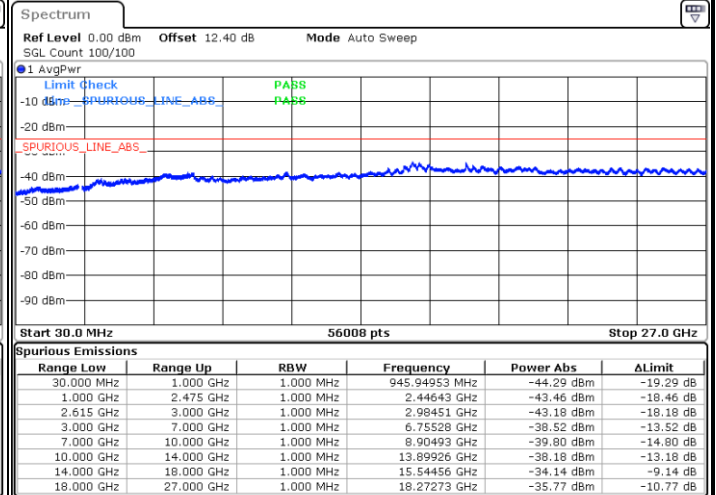
Date: 31.MAY.2024 06:35:57

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 31.MAY.2024 06:41:15



Date: 31.MAY.2024 06:42:31

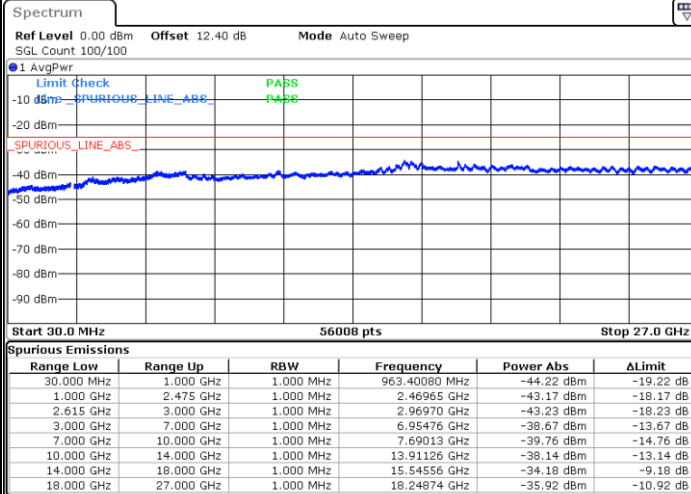


LTE Band 7C / 20MHz+20MHz

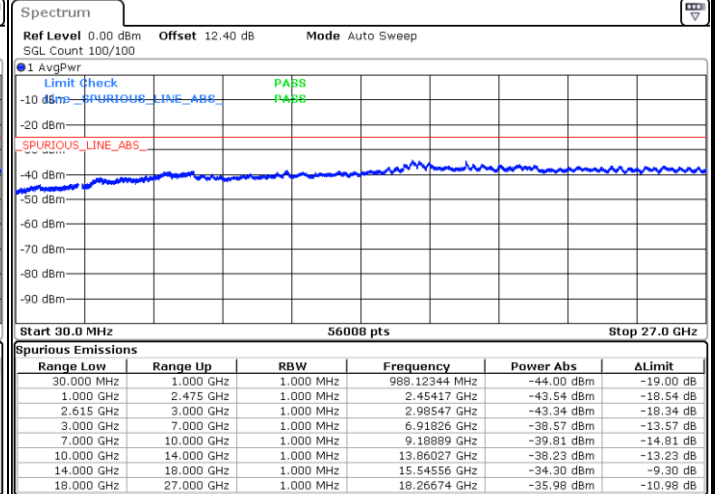
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Date: 31.MAY.2024 06:24:53



Date: 31.MAY.2024 06:23:37



LTE Band 12

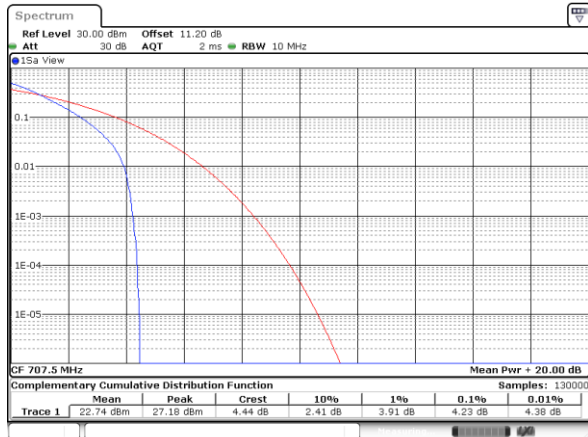
Peak-to-Average Ratio

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	4.23	5.42	6.26	6.55	PASS



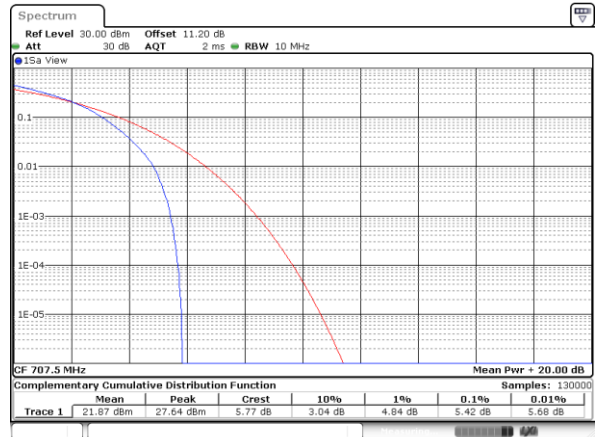
LTE Band 12 / 10MHz / QPSK

Middle Channel / Full RB



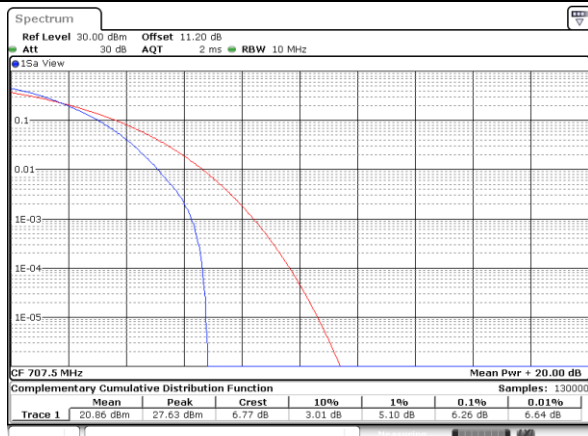
LTE Band 12 / 10MHz / 16QAM

Middle Channel / Full RB



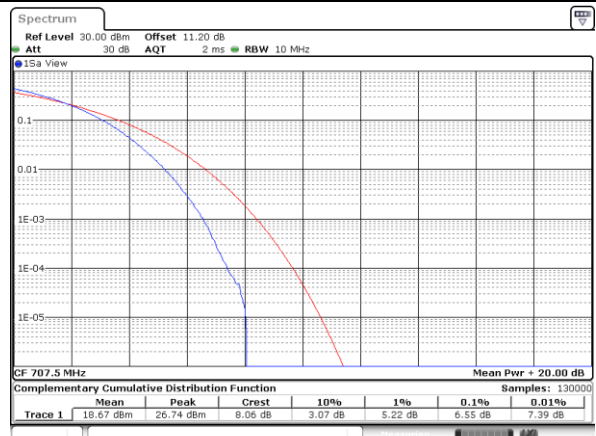
LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 12 / 10MHz / 256QAM

Middle Channel / Full RB



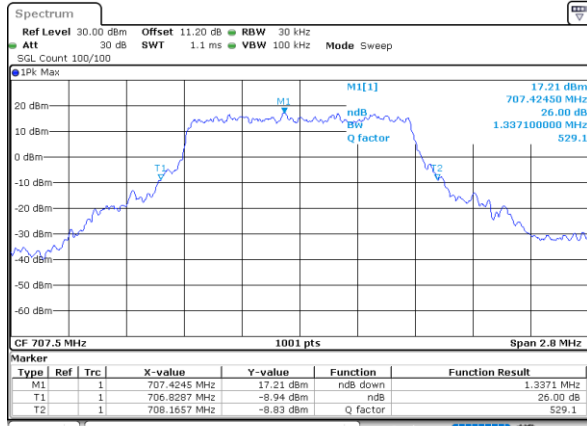
**26dB Bandwidth**

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	1.33	1.36	3.04	3.05	4.98	4.88	9.84	9.89	-	-	-	-
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	1.33	1.33	3.03	3.07	4.93	4.93	9.76	9.91	-	-	-	-



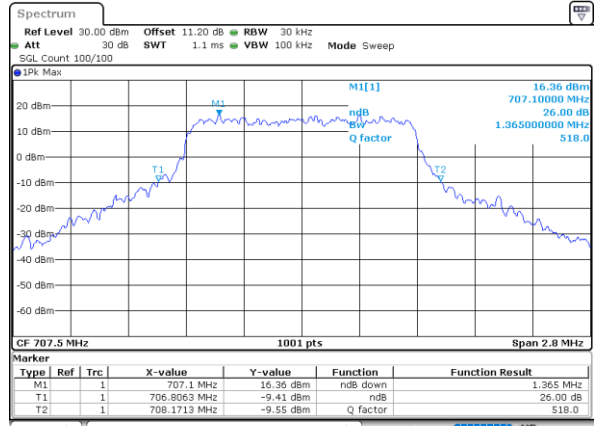
LTE Band 12

Middle Channel / 1.4MHz / QPSK



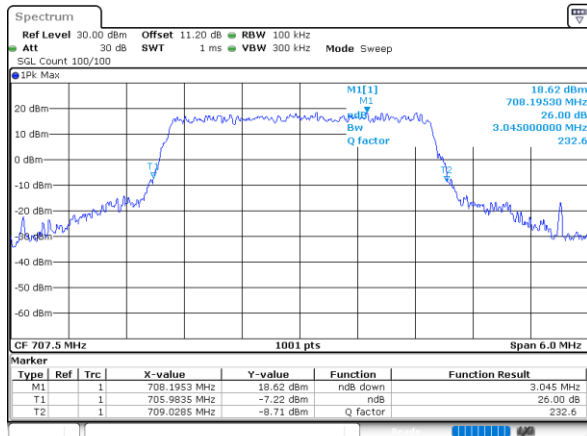
Date: 28.MAY.2024 01:27:13

Middle Channel / 1.4MHz / 16QAM



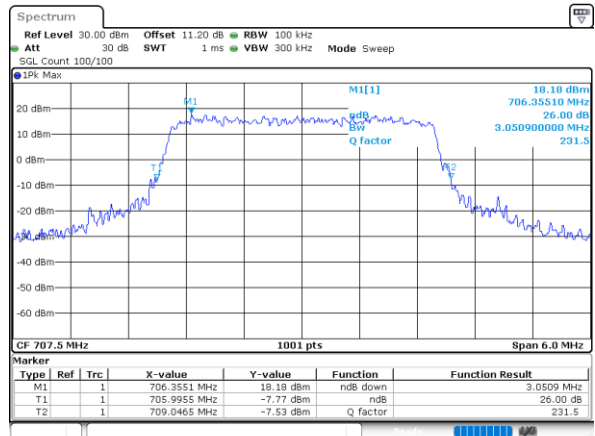
Date: 28.MAY.2024 01:27:56

Middle Channel / 3MHz / QPSK



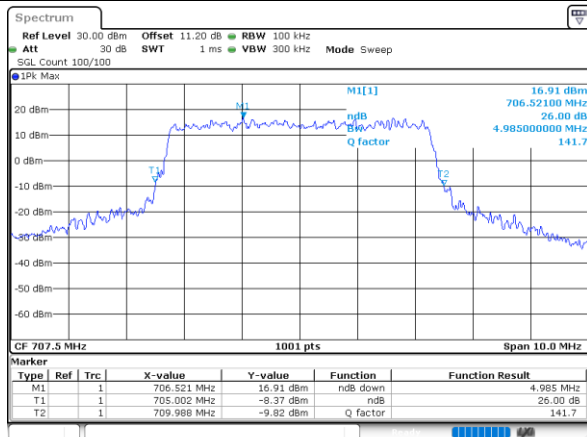
Date: 28.MAY.2024 01:49:45

Middle Channel / 3MHz / 16QAM



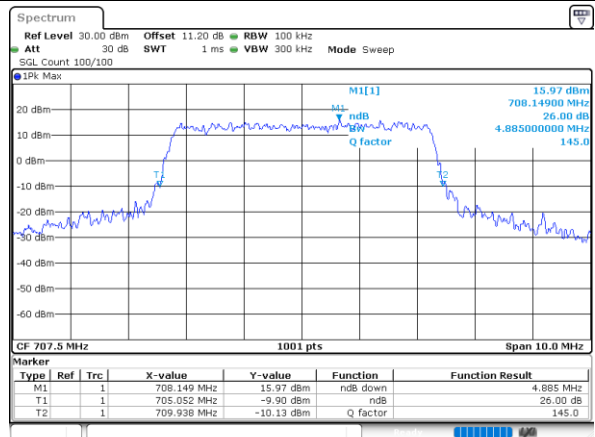
Date: 28.MAY.2024 01:50:10

Middle Channel / 5MHz / QPSK



Date: 28.MAY.2024 02:12:00

Middle Channel / 5MHz / 16QAM

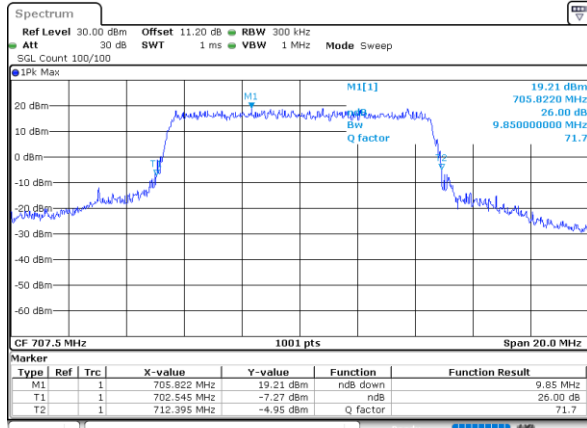


Date: 28.MAY.2024 02:12:24



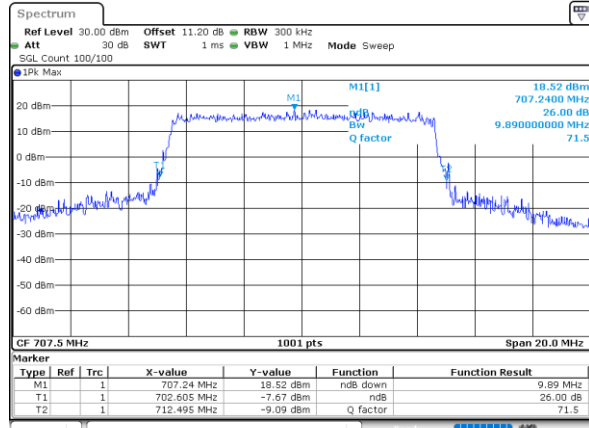
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 28.MAY.2024 02:34:14

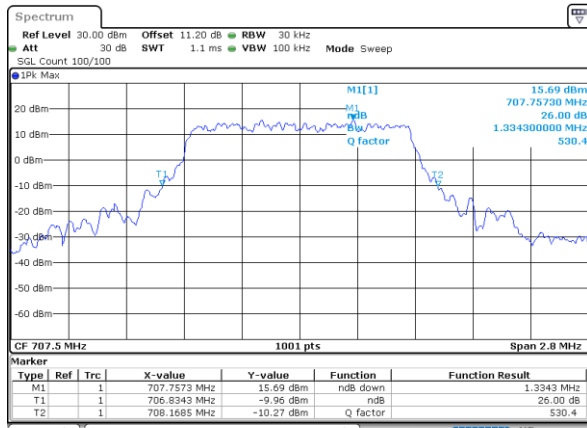
Middle Channel / 10MHz / 16QAM



Date: 28.MAY.2024 02:34:39

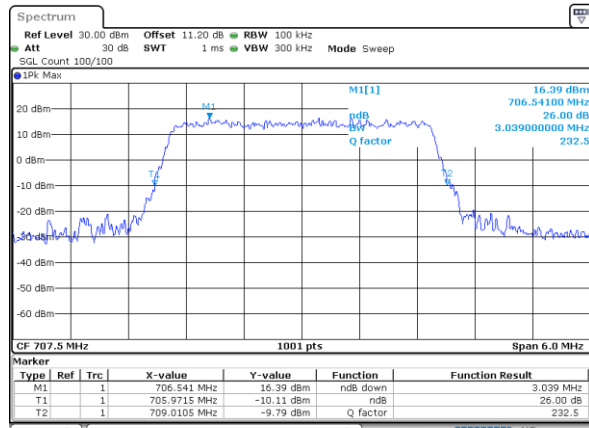
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



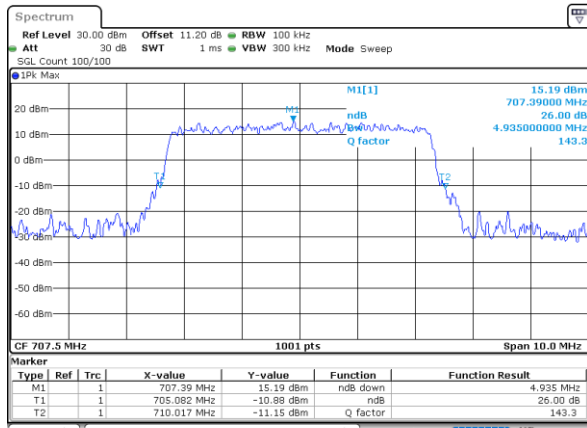
Date: 28.MAY.2024 01:28:20

Middle Channel / 3MHz / 64QAM



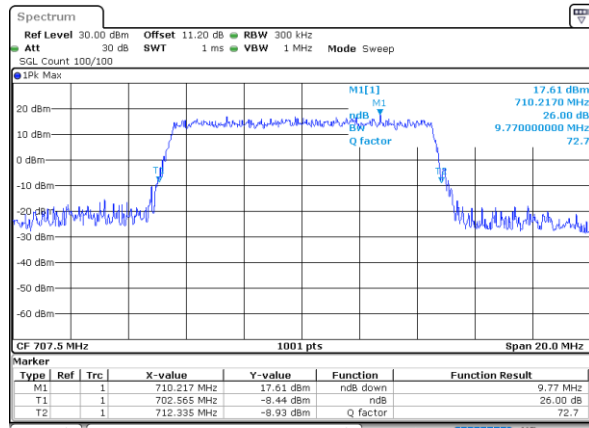
Date: 28.MAY.2024 01:50:34

Middle Channel / 5MHz / 64QAM



Date: 28.MAY.2024 02:12:49

Middle Channel / 10MHz / 64QAM

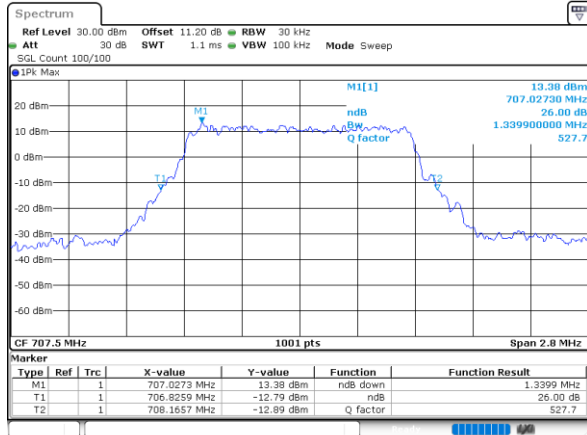


Date: 28.MAY.2024 02:35:03

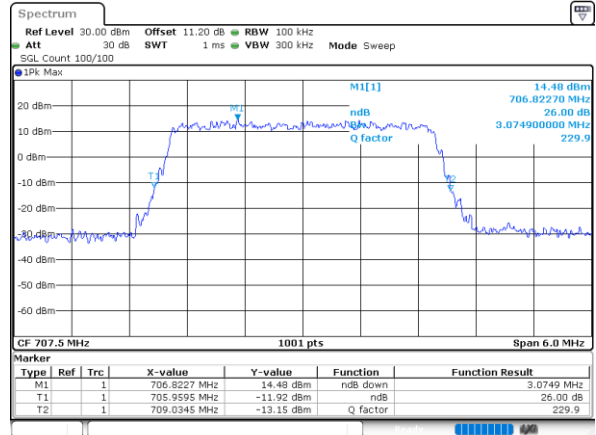


LTE Band 12

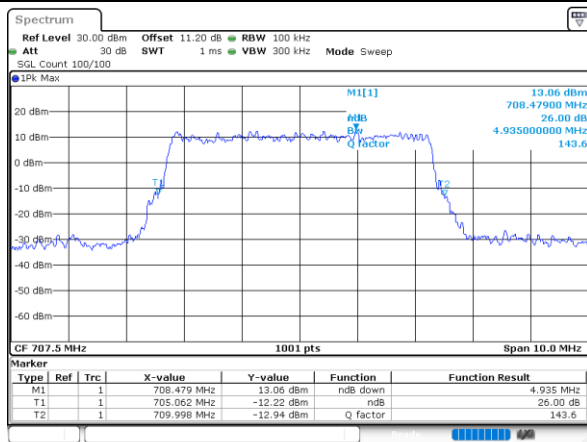
Middle Channel / 1.4MHz / 256QAM



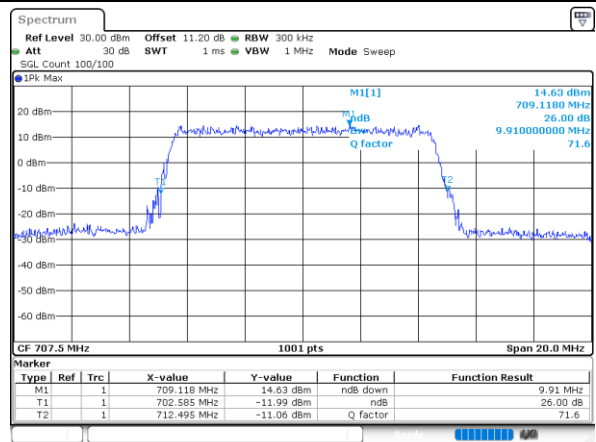
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



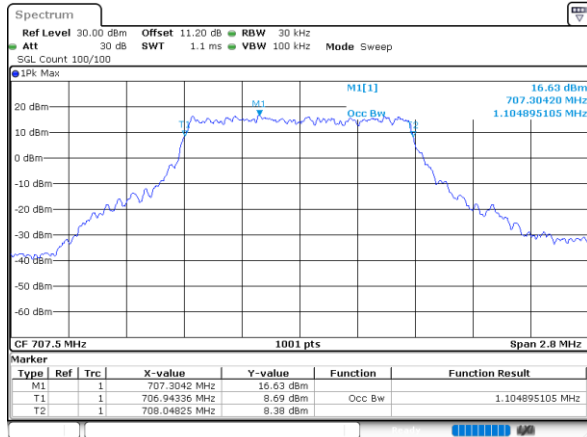
**Occupied Bandwidth**

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	1.10	1.10	2.73	2.72	4.50	4.52	9.05	9.03	-	-	-	-
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	2.72	2.73	4.51	4.49	9.03	9.01	-	-	-	-

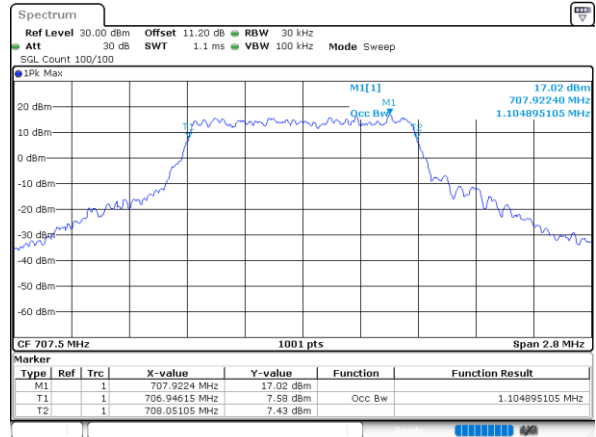


LTE Band 12

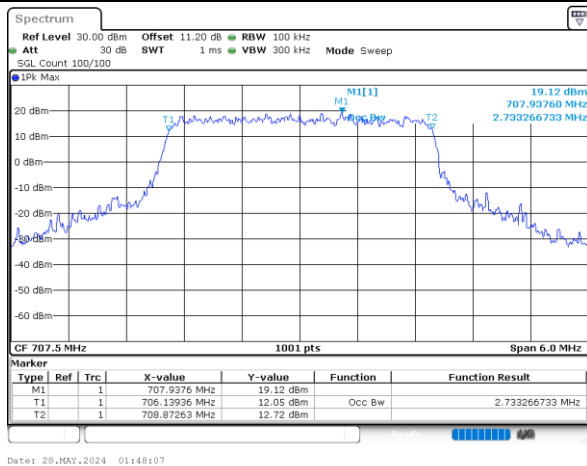
Middle Channel / 1.4MHz / QPSK



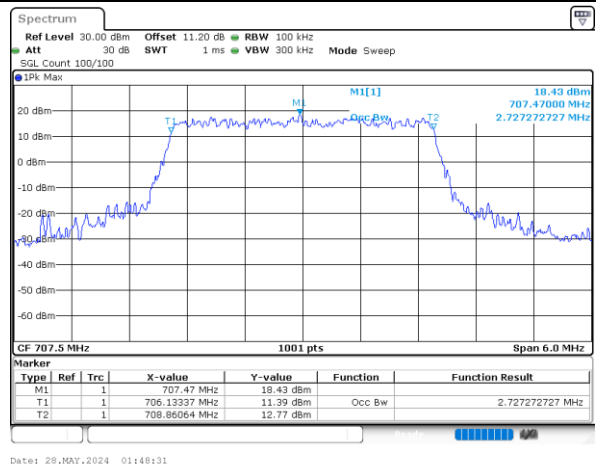
Middle Channel / 1.4MHz / 16QAM



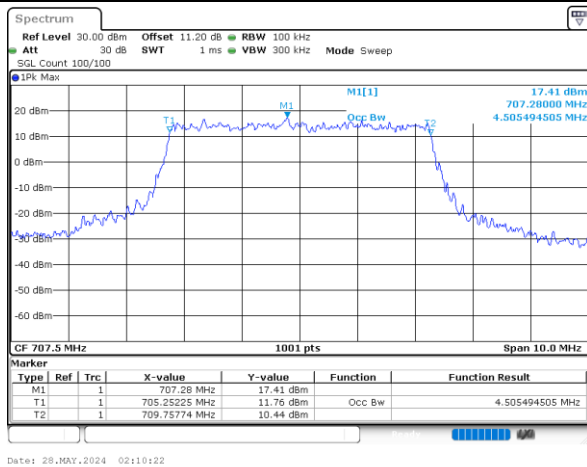
Middle Channel / 3MHz / QPSK



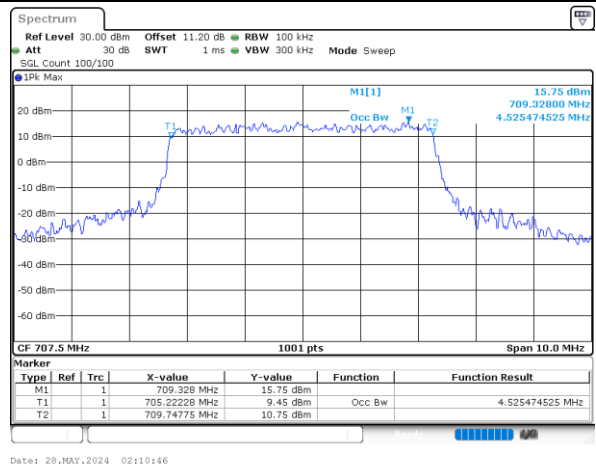
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



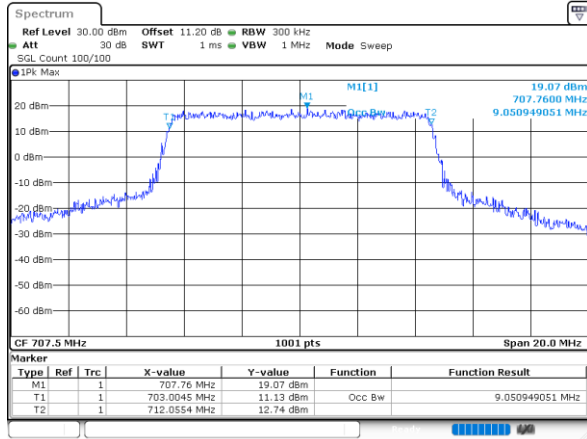
Middle Channel / 5MHz / 16QAM



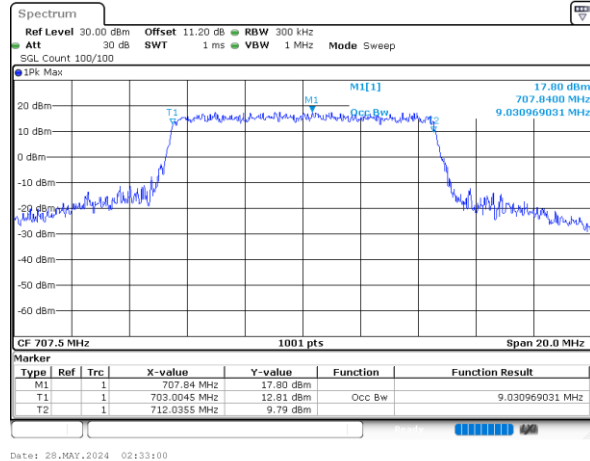


LTE Band 12

Middle Channel / 10MHz / QPSK

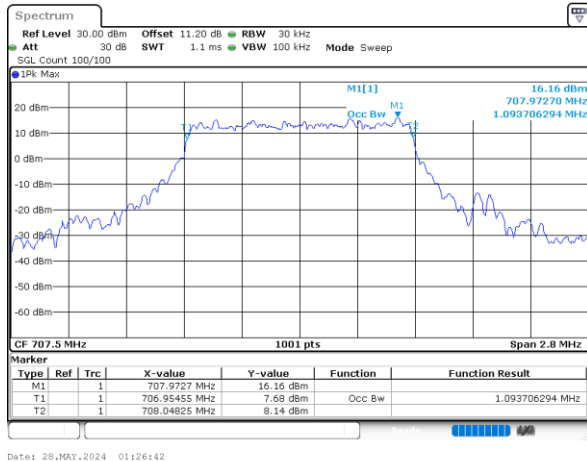


Middle Channel / 10MHz / 16QAM

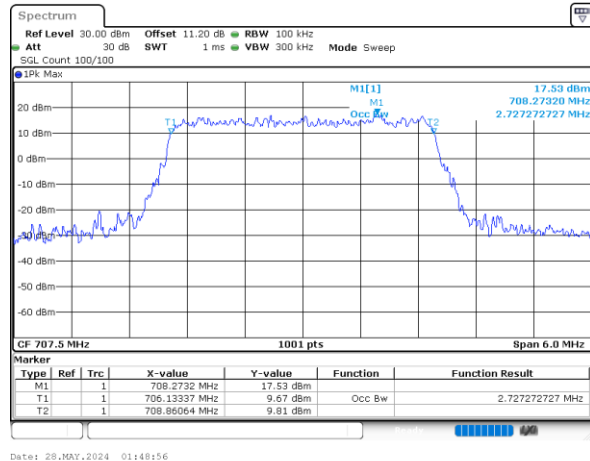


LTE Band 12

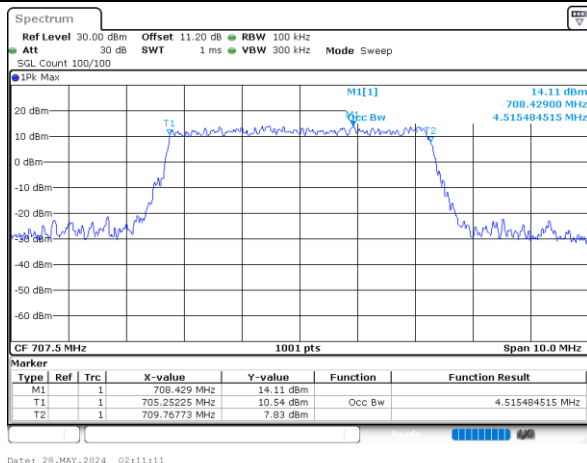
Middle Channel / 1.4MHz / 64QAM



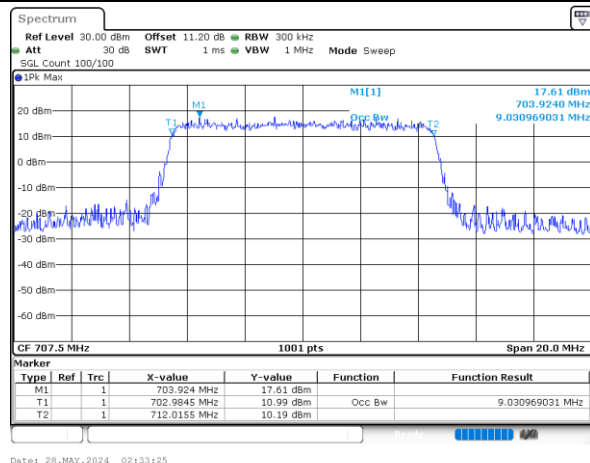
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



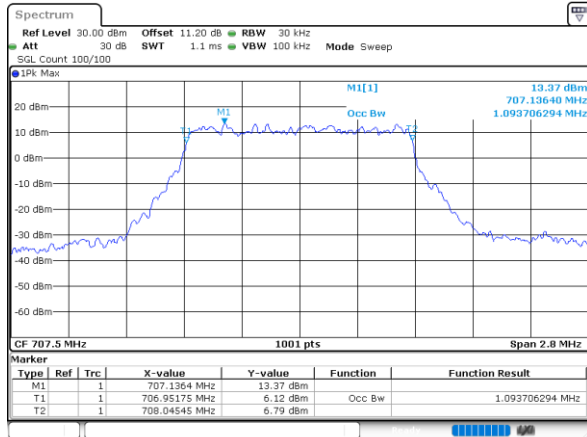
Middle Channel / 10MHz / 64QAM



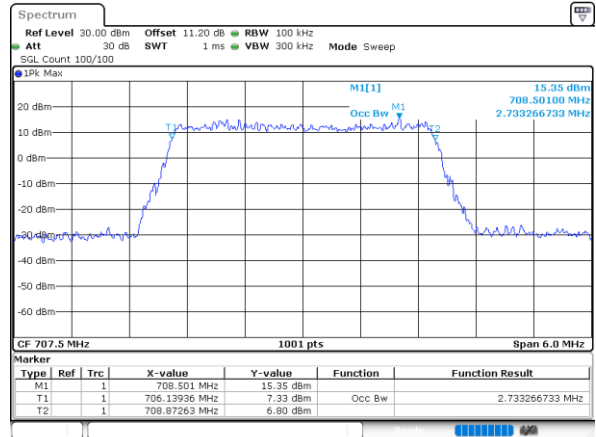


LTE Band 12

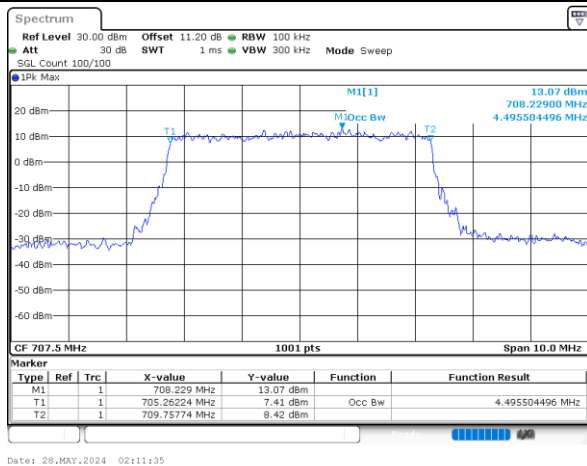
Middle Channel / 1.4MHz / 256QAM



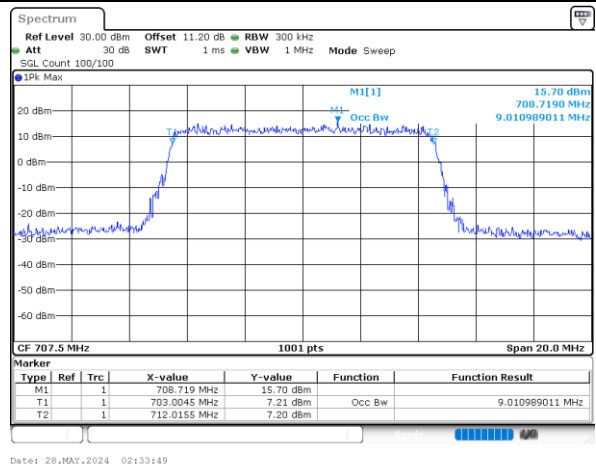
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

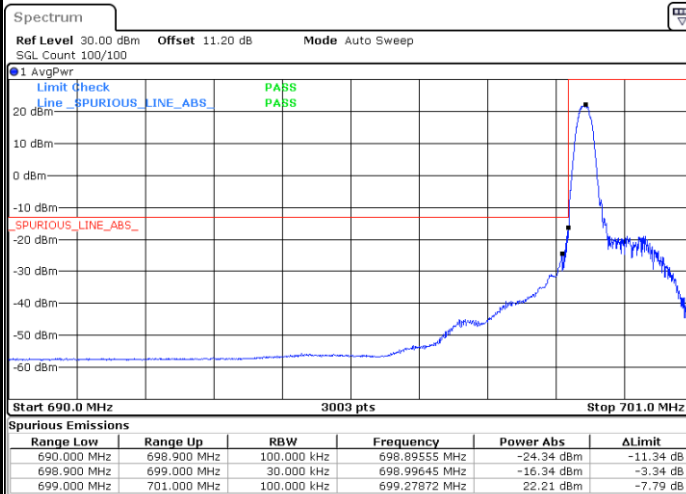




Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

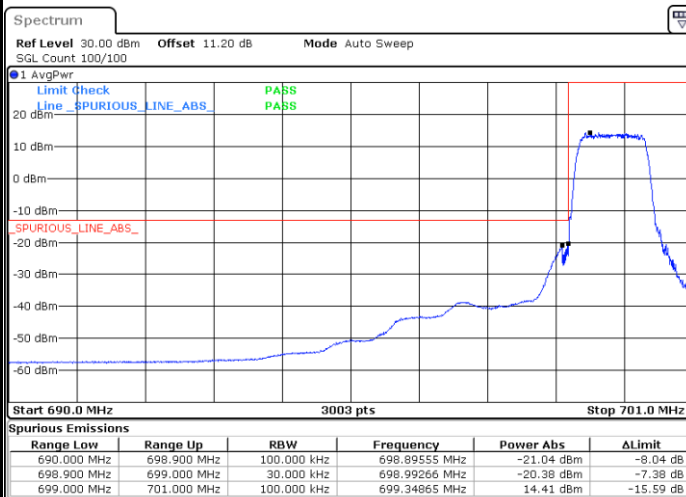
Lowest Band Edge / 1RB



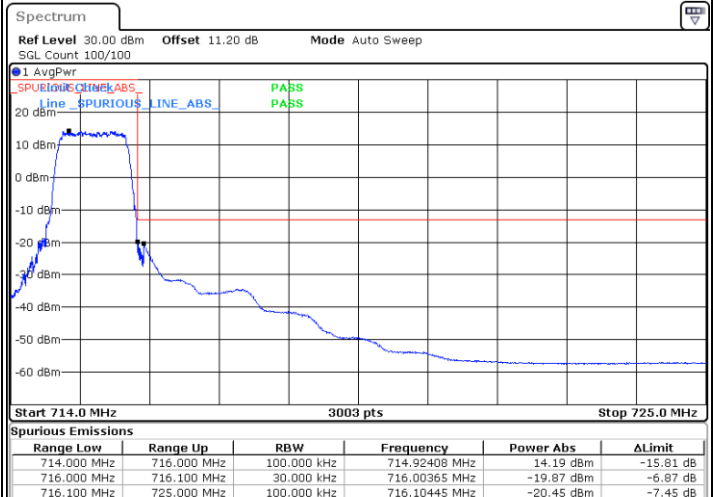
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



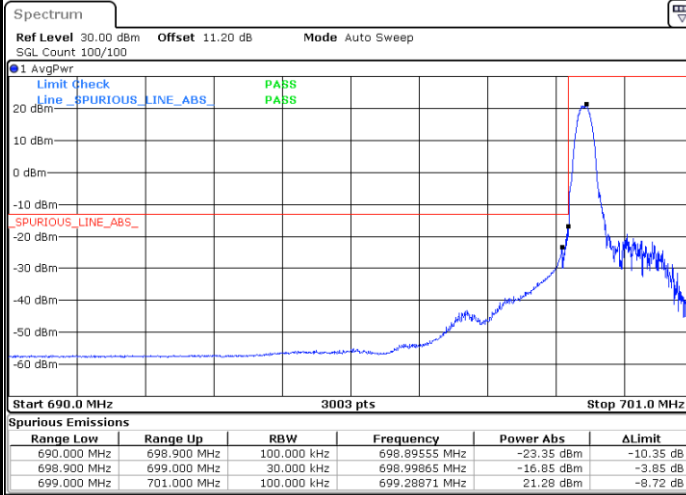
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 16QAM

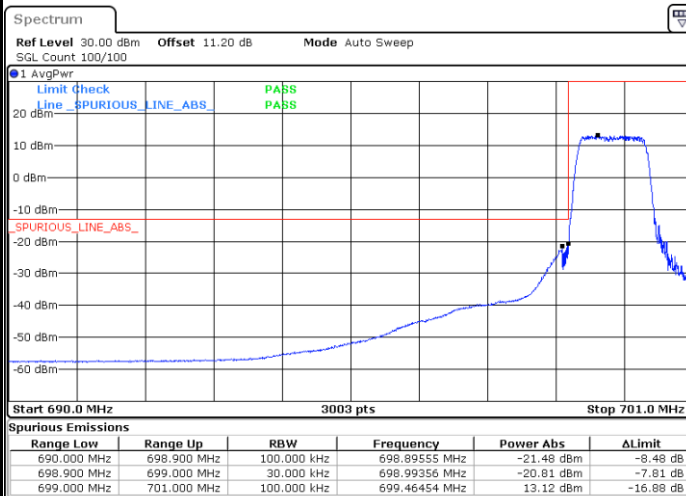
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

