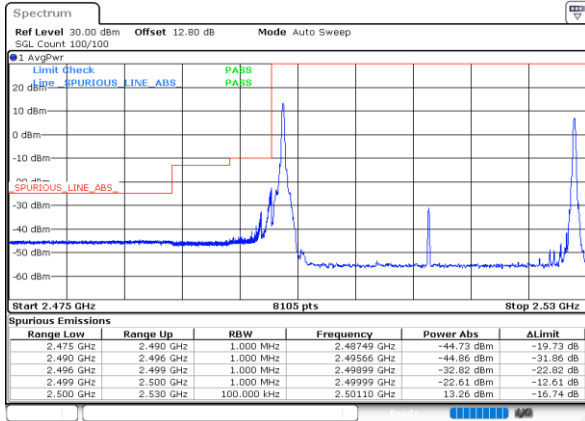




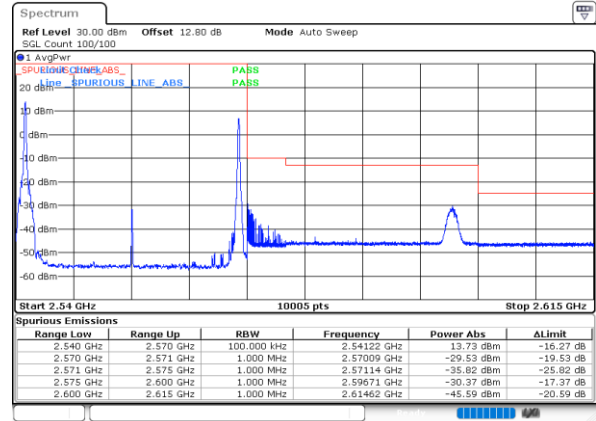
LTE Band 7C / 20MHz+10MHz

256QAM

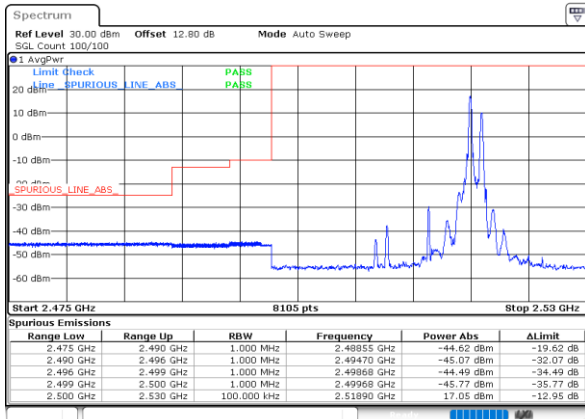
Lowest Band Edge / 1RB0 and 1RB49



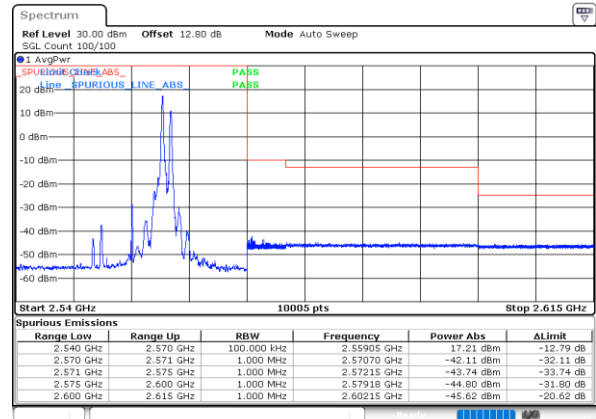
Highest Band Edge / 1RB0 and 1RB49



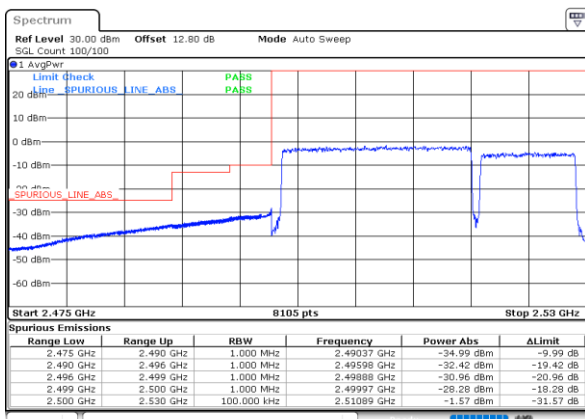
Lowest Band Edge / 1RB99 and 1RB0



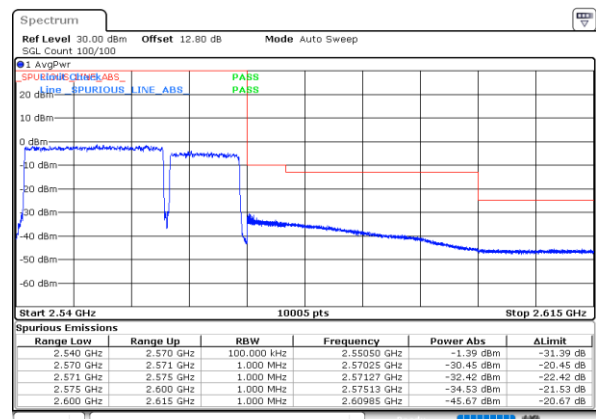
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

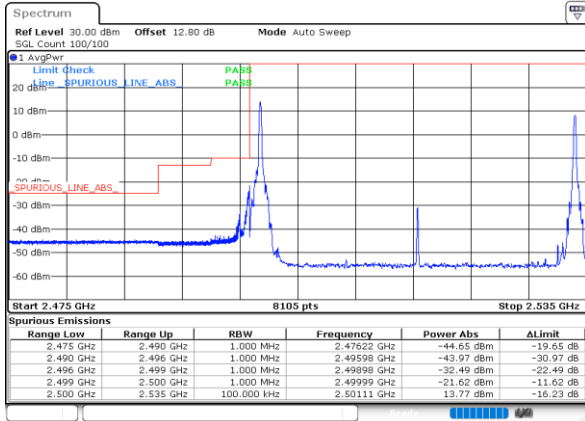




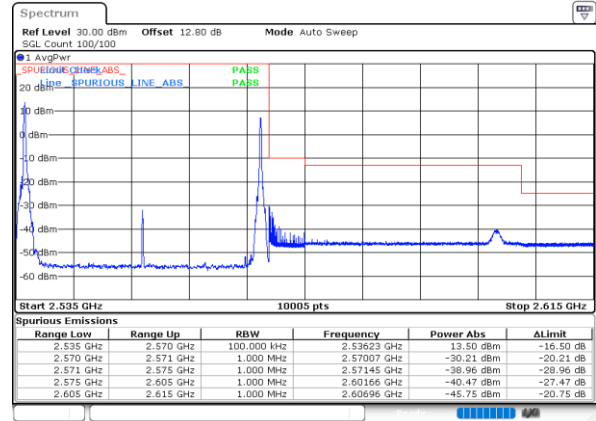
LTE Band 7C / 20MHz+15MHz

256QAM

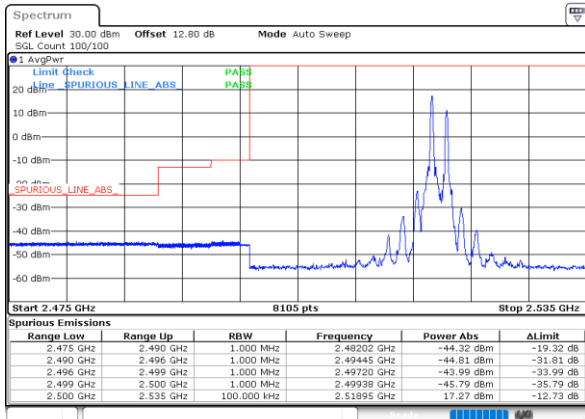
Lowest Band Edge / 1RB0 and 1RB74



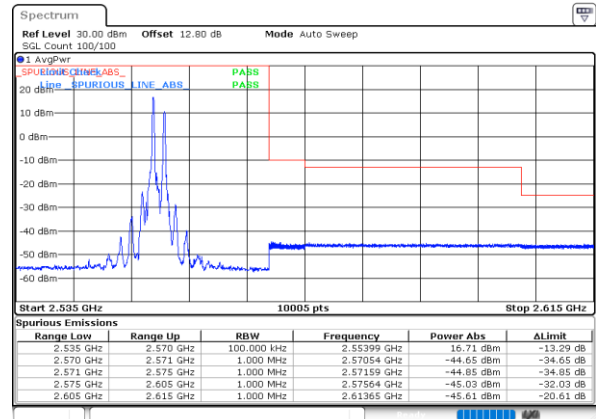
Highest Band Edge / 1RB0 and 1RB74



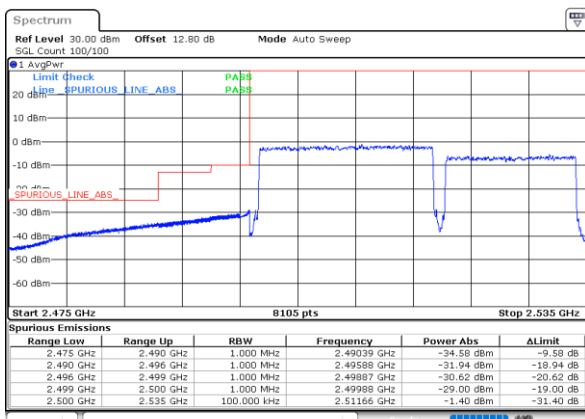
Lowest Band Edge / 1RB99 and 1RB0



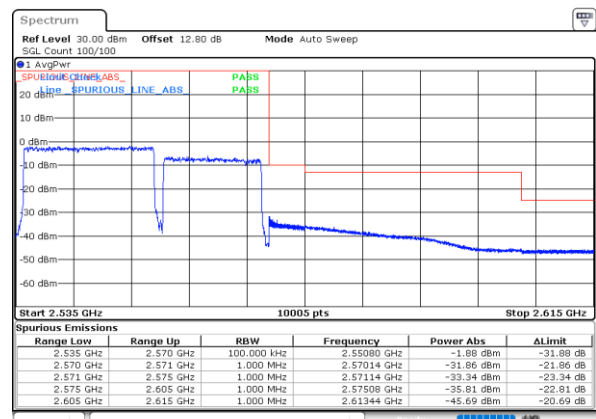
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

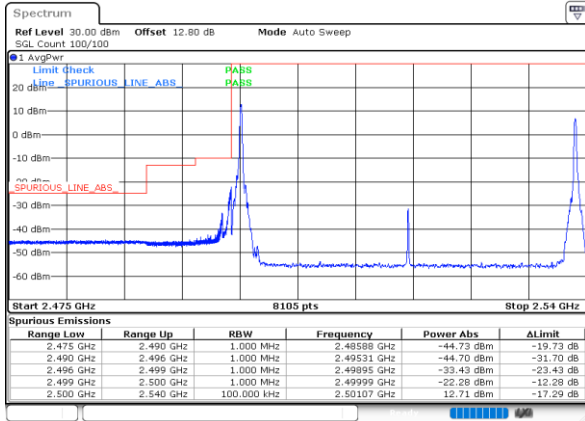




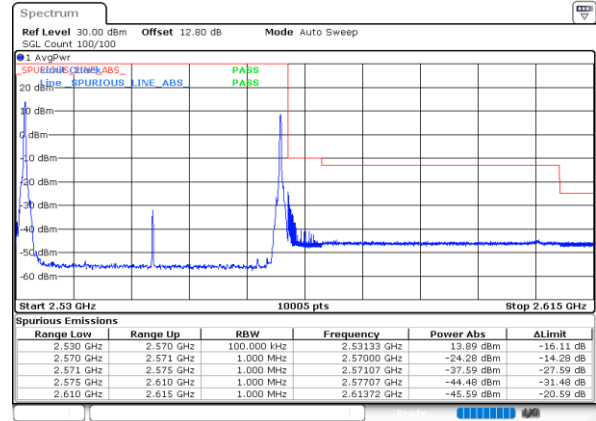
LTE Band 7C / 20MHz+20MHz

256QAM

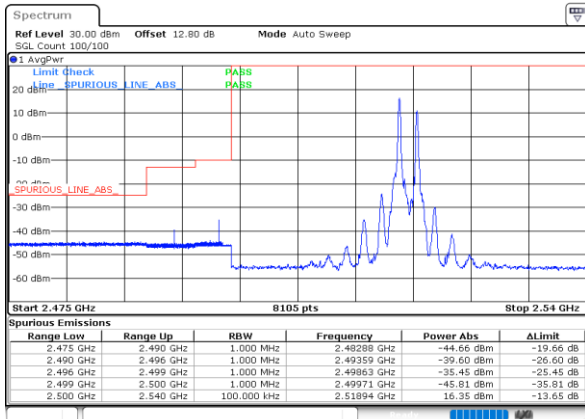
Lowest Band Edge / 1RB0 and 1RB99



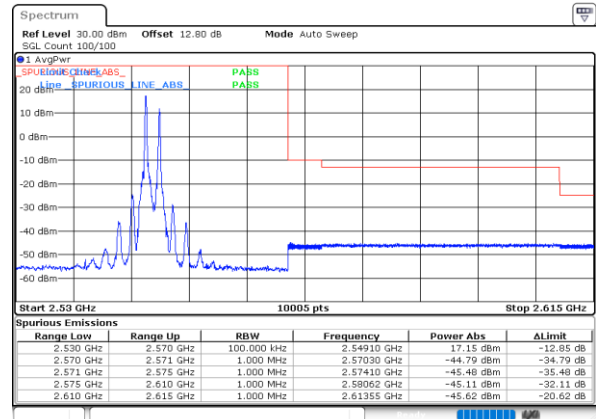
Highest Band Edge / 1RB0 and 1RB99



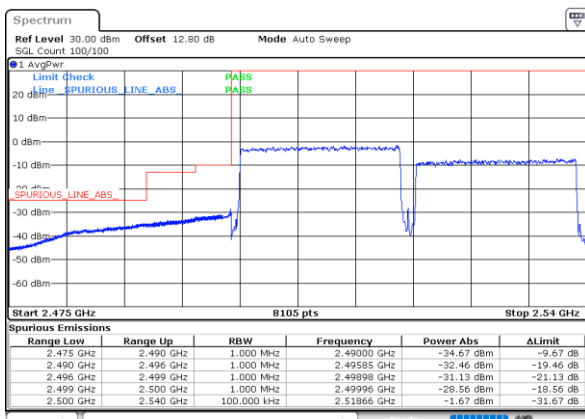
Lowest Band Edge / 1RB99 and 1RB0



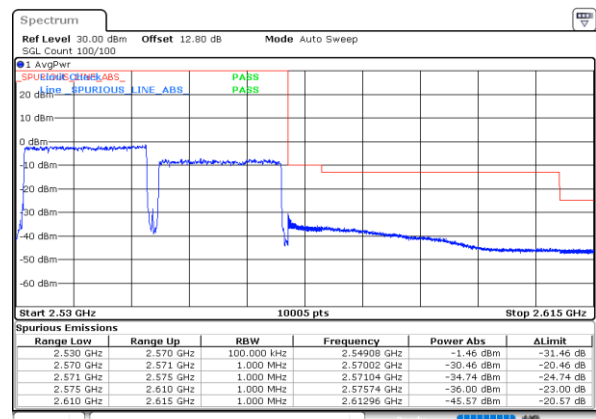
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





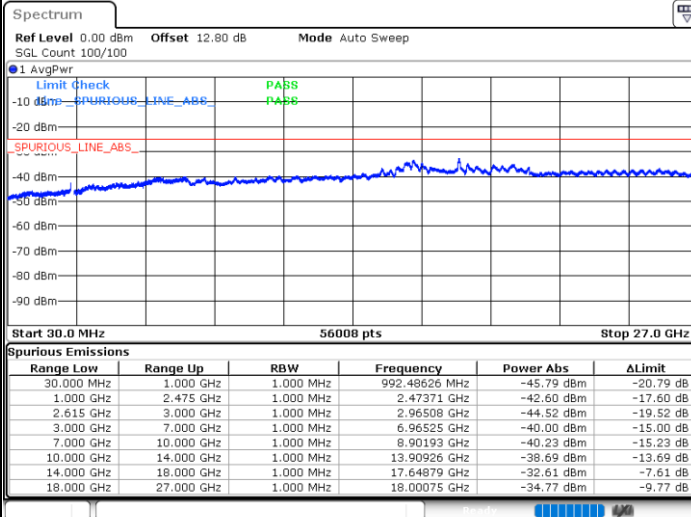
Conducted Spurious Emission

LTE Band 7C / 10MHz+20MHz

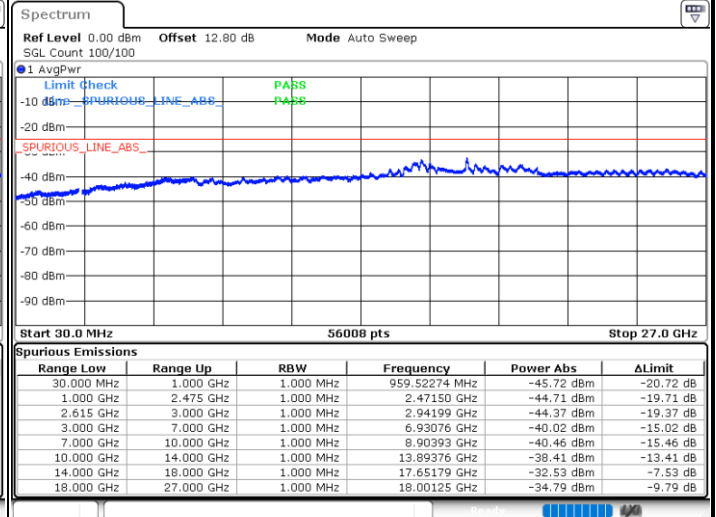
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



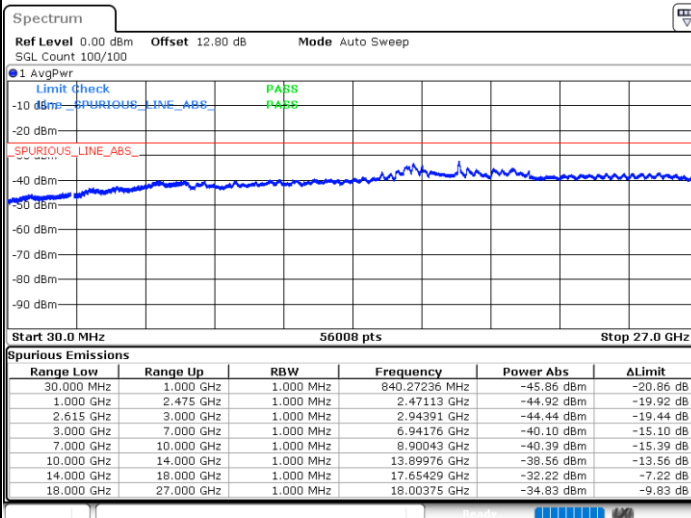
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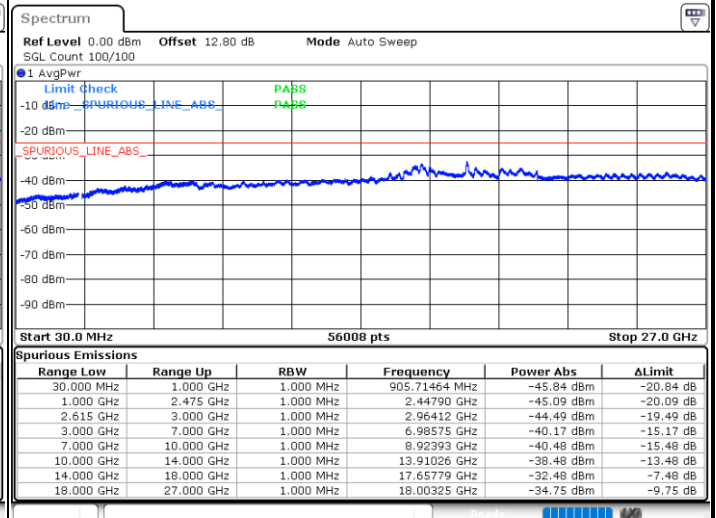
Date: 20.DEC.2024 13:47:12

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



Date: 20.DEC.2024 13:49:46



Date: 20.DEC.2024 13:51:01

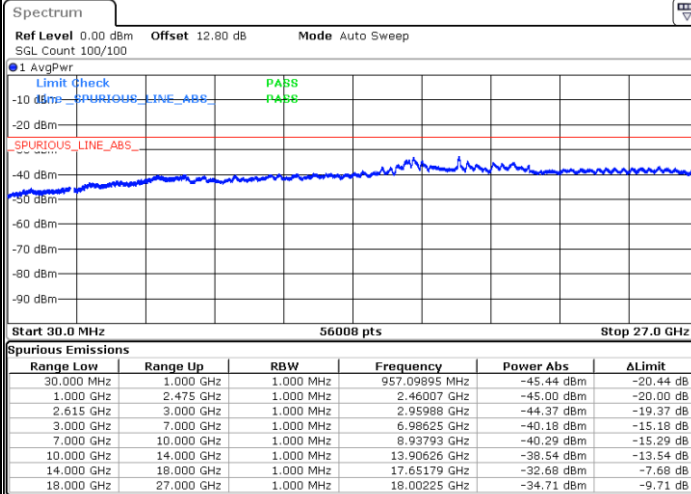


LTE Band 7C / 10MHz+20MHz

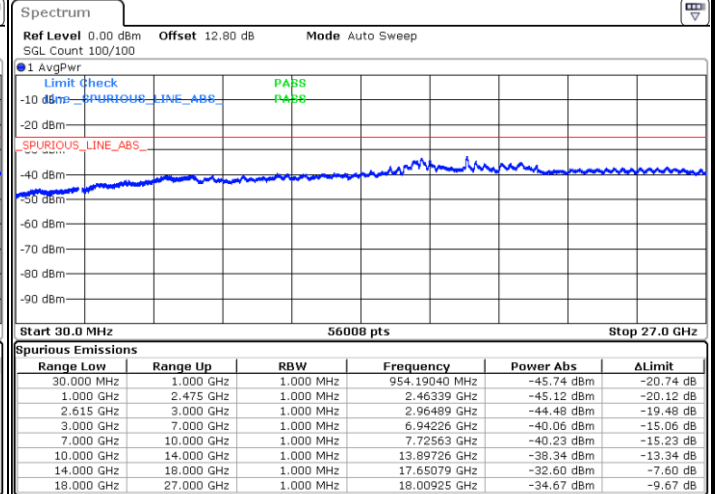
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



Date: 20.DEC.2024 13:45:53



Date: 20.DEC.2024 13:44:38



LTE Band 7C / 15MHz+10MHz

QPSK

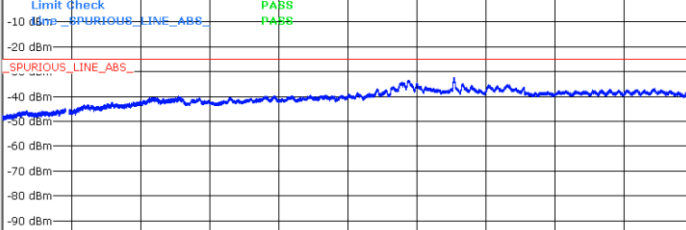
Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB74 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.80 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

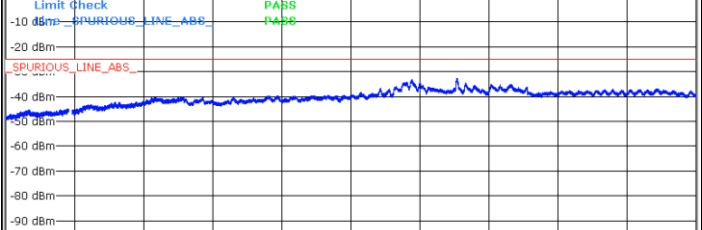
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-45.83 dBm	-20.83 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47076 GHz	-44.70 dBm	-19.70 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95315 GHz	-44.50 dBm	-19.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-39.91 dBm	-14.91 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91643 GHz	-40.44 dBm	-15.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90626 GHz	-38.55 dBm	-13.55 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65929 GHz	-32.37 dBm	-7.37 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00675 GHz	-34.71 dBm	-9.71 dB

Spectrum

Ref Level 0.00 dBm Offset 12.80 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	937.70865 MHz	-45.47 dBm	-20.47 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47224 GHz	-45.00 dBm	-20.00 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95430 GHz	-44.62 dBm	-19.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93420 GHz	-40.12 dBm	-15.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.92043 GHz	-40.21 dBm	-15.21 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90176 GHz	-38.47 dBm	-13.47 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65779 GHz	-32.65 dBm	-7.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00425 GHz	-34.89 dBm	-9.89 dB

Date: 20.DEC.2024 14:35:19

Date: 20.DEC.2024 14:34:04

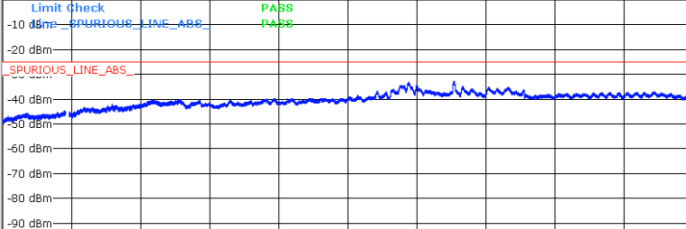
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB74 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.80 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

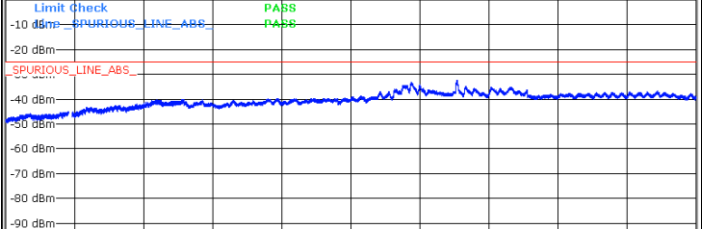
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-45.90 dBm	-20.90 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.42247 GHz	-44.79 dBm	-19.79 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.97470 GHz	-44.37 dBm	-19.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91426 GHz	-40.08 dBm	-15.08 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91843 GHz	-40.35 dBm	-15.35 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89376 GHz	-38.50 dBm	-13.50 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65679 GHz	-32.64 dBm	-7.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00025 GHz	-34.81 dBm	-9.81 dB

Spectrum

Ref Level 0.00 dBm Offset 12.80 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	-45.83 dBm	-20.83 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45454 GHz	-44.95 dBm	-19.95 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99971 GHz	-44.45 dBm	-19.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95926 GHz	-40.07 dBm	-15.07 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.72363 GHz	-40.31 dBm	-15.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90326 GHz	-38.58 dBm	-13.58 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66429 GHz	-32.42 dBm	-7.42 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.01825 GHz	-34.88 dBm	-9.88 dB

Date: 20.DEC.2024 14:36:38

Date: 20.DEC.2024 14:37:53

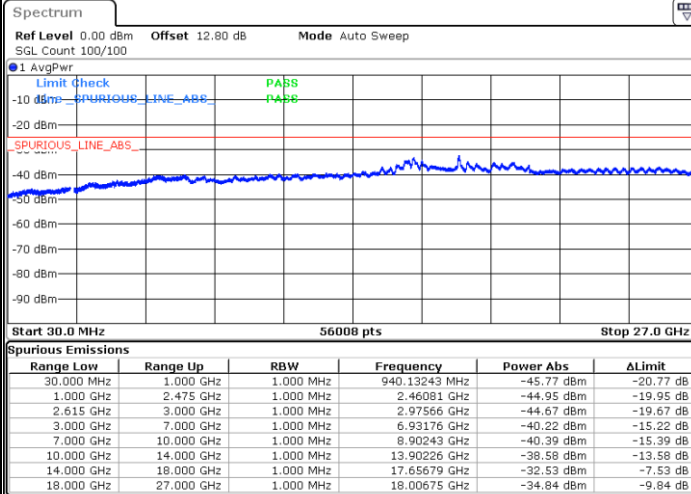


LTE Band 7C / 15MHz+10MHz

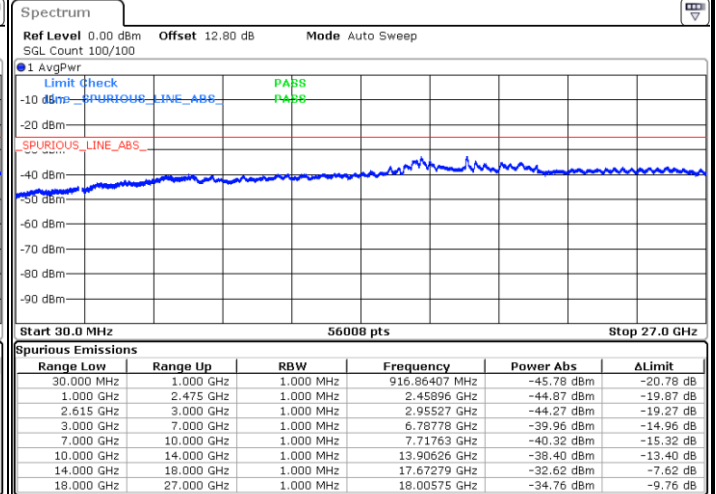
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB74 and 1RB0



Date: 20.DEC.2024 14:32:45



Date: 20.DEC.2024 14:31:30

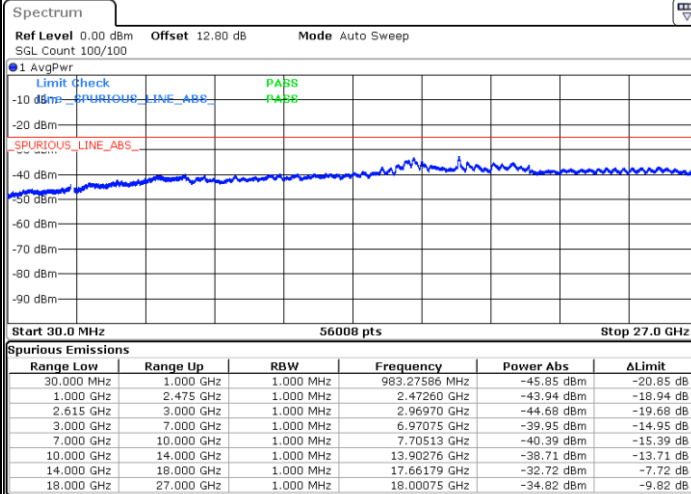


LTE Band 7C / 15MHz+15MHz

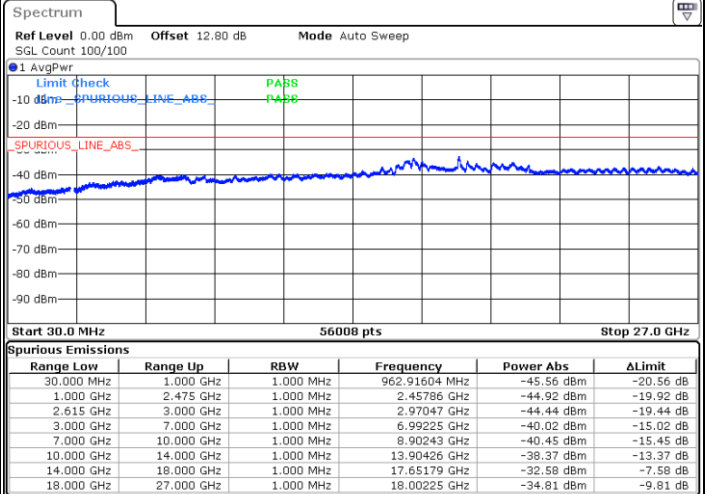
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0



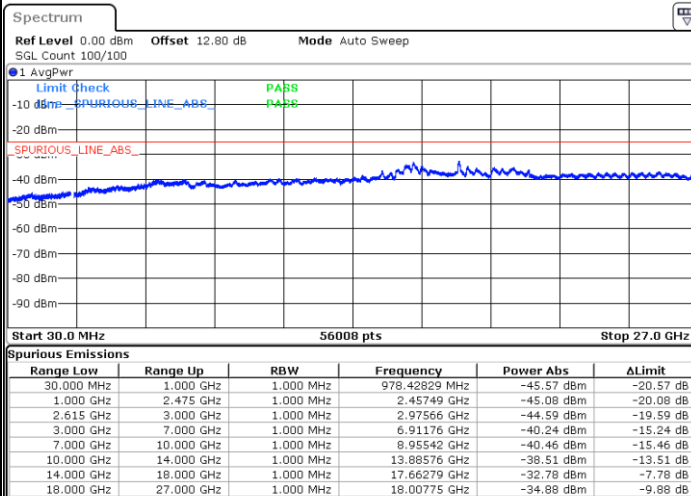
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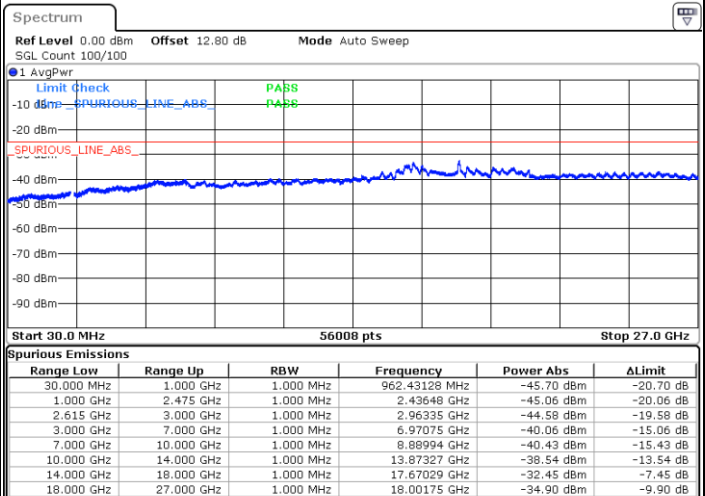
Date: 20.DEC.2024 14:03:14

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



Date: 20.DEC.2024 14:05:48



Date: 20.DEC.2024 14:07:03

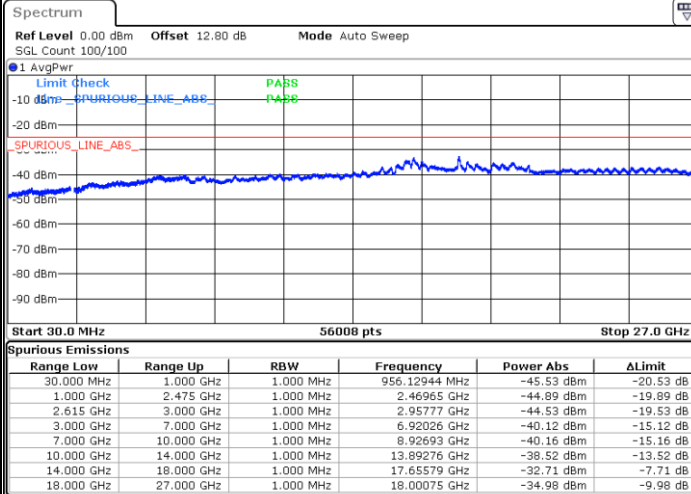


LTE Band 7C / 15MHz+15MHz

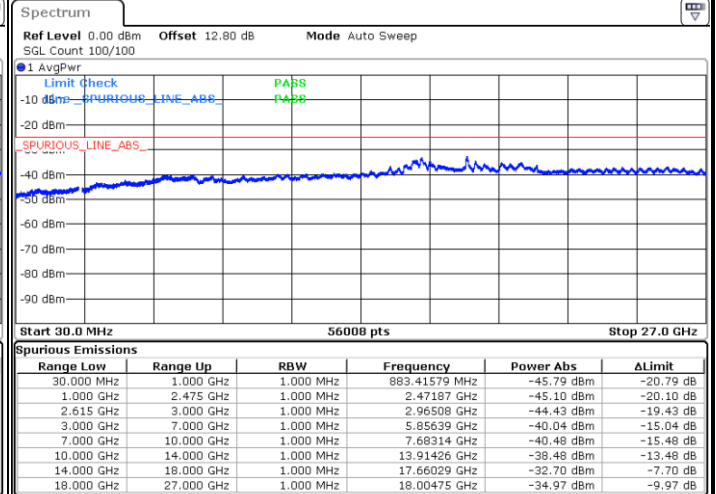
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



Date: 20.DEC.2024 14:01:55



Date: 20.DEC.2024 14:00:40

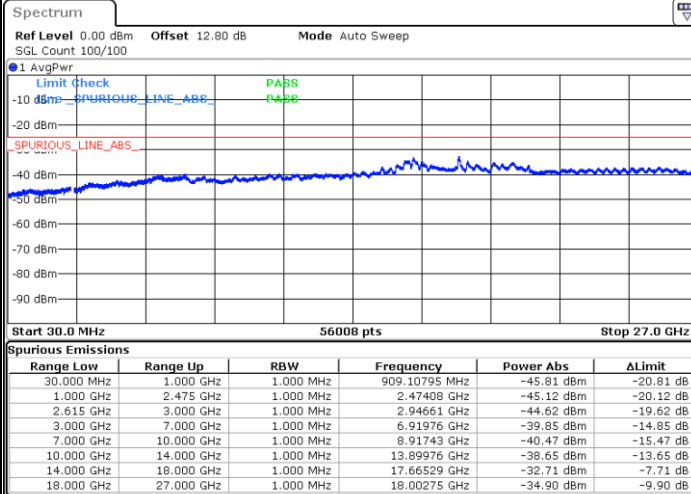


LTE Band 7C / 15MHz+20MHz

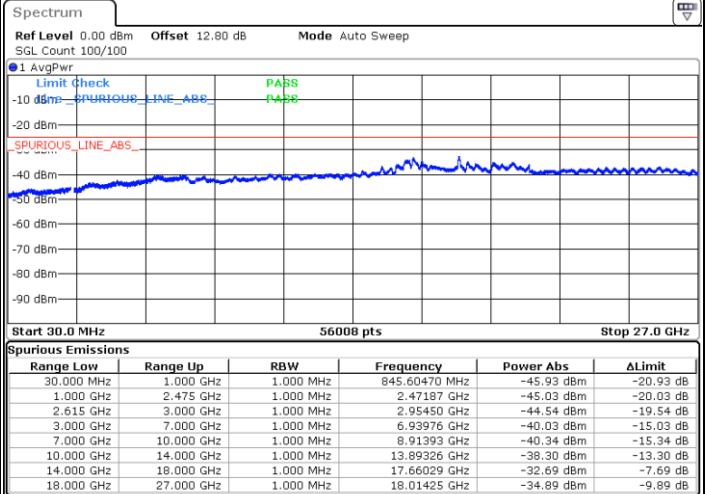
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



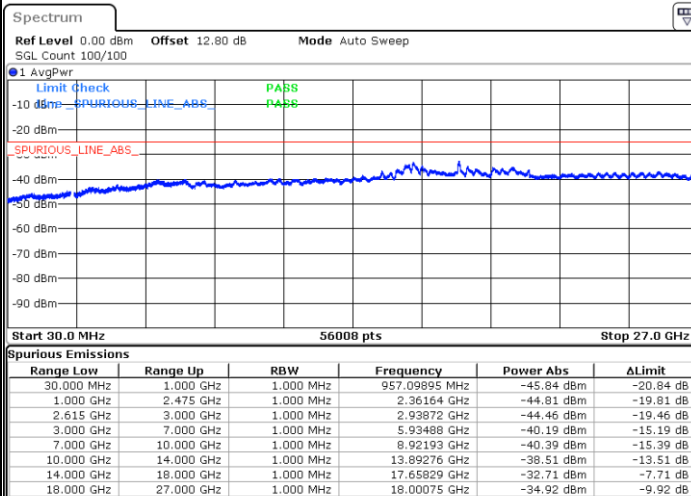
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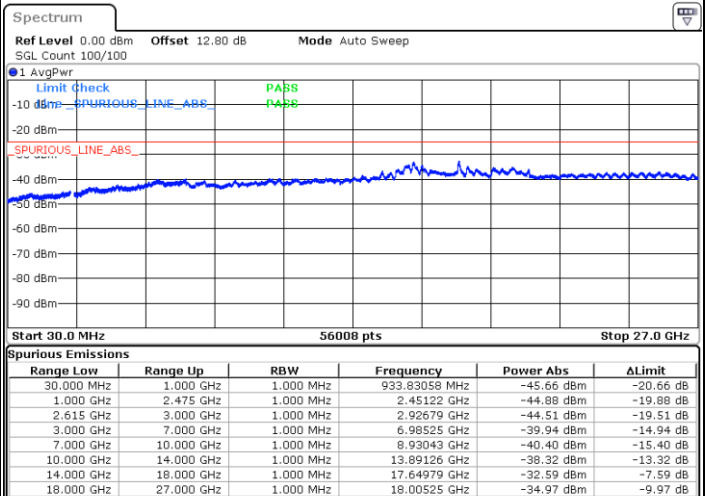
Date: 20.DEC.2024 14:10:56

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Date: 20.DEC.2024 14:13:30



Date: 20.DEC.2024 14:14:45

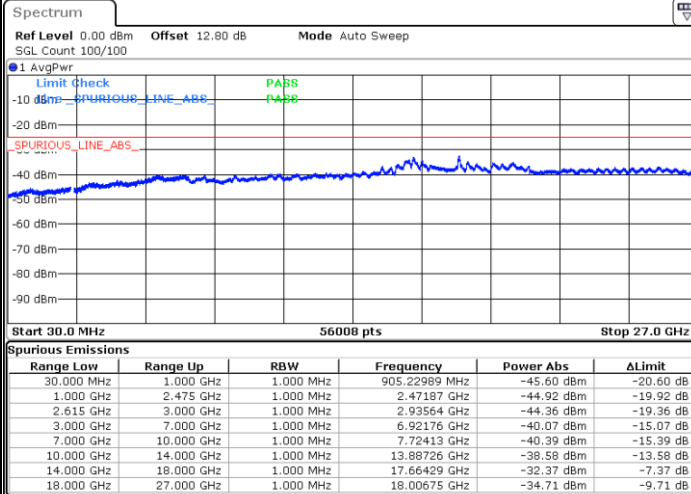


LTE Band 7C / 15MHz+20MHz

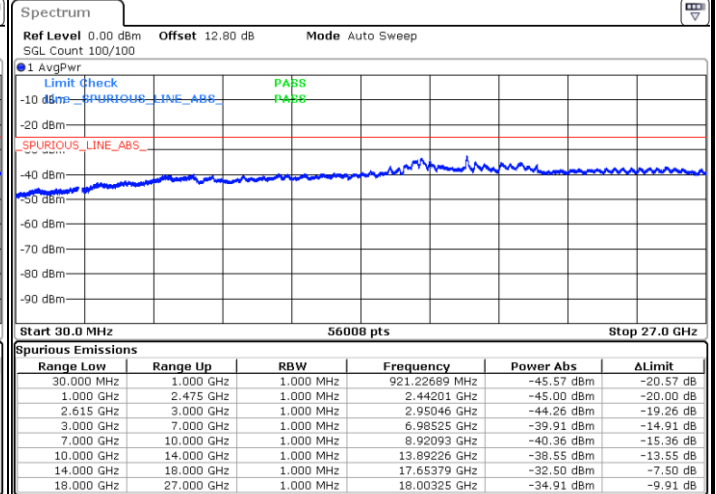
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



Date: 20.DEC.2024 14:09:37



Date: 20.DEC.2024 14:08:22



LTE Band 7C / 20MHz+10MHz

QPSK

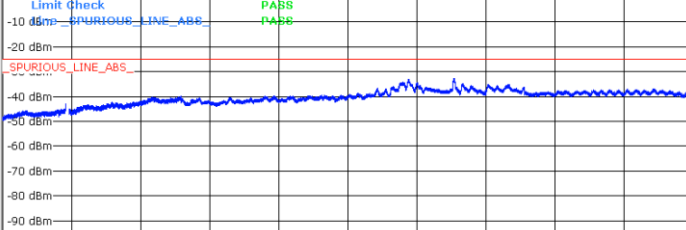
Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.80 dB Mode Auto Sweep
SGL Count 100/100

● 1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

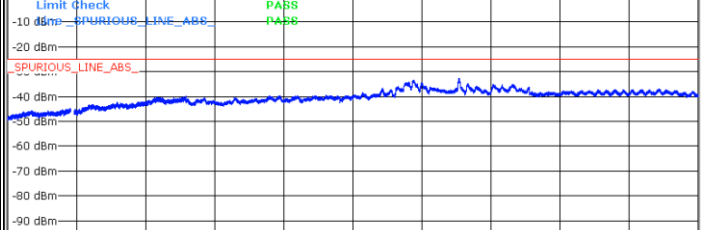
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	817.00400 MHz	-45.66 dBm	-20.66 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47371 GHz	-42.87 dBm	-17.87 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96142 GHz	-44.22 dBm	-19.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-39.94 dBm	-14.94 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.91693 GHz	-40.45 dBm	-15.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89226 GHz	-38.58 dBm	-13.58 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65879 GHz	-32.69 dBm	-7.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00325 GHz	-34.90 dBm	-9.90 dB

Spectrum

Ref Level 0.00 dBm Offset 12.80 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	965.33983 MHz	-45.79 dBm	-20.79 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45085 GHz	-44.85 dBm	-19.85 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95065 GHz	-44.30 dBm	-19.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-39.87 dBm	-14.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.94593 GHz	-40.50 dBm	-15.50 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89876 GHz	-38.33 dBm	-13.33 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65429 GHz	-32.59 dBm	-7.59 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00875 GHz	-34.80 dBm	-9.80 dB

Date: 20.DEC.2024 13:56:46

Date: 20.DEC.2024 13:55:30

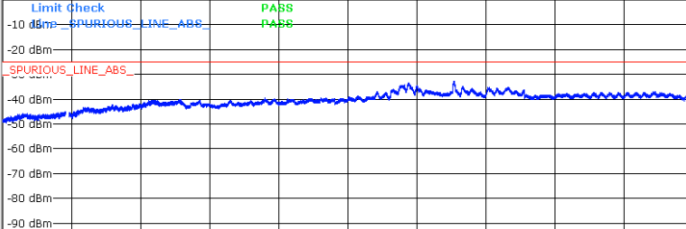
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 12.80 dB Mode Auto Sweep
SGL Count 100/100

● 1 AvgPwr



Start 30.0 MHz 56008 pts Stop 27.0 GHz

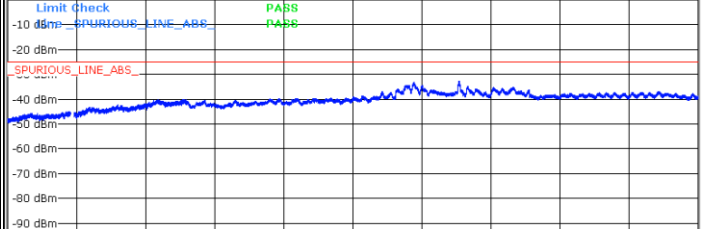
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	806.33933 MHz	-45.87 dBm	-20.87 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45859 GHz	-44.96 dBm	-19.96 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.97047 GHz	-44.54 dBm	-19.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-40.21 dBm	-15.21 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.93143 GHz	-40.45 dBm	-15.45 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90776 GHz	-38.58 dBm	-13.58 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65479 GHz	-32.61 dBm	-7.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00275 GHz	-34.71 dBm	-9.71 dB

Spectrum

Ref Level 0.00 dBm Offset 12.80 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	960.97701 MHz	-45.78 dBm	-20.78 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46892 GHz	-44.99 dBm	-19.99 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95815 GHz	-44.46 dBm	-19.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98839 GHz	-40.17 dBm	-15.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.90943 GHz	-40.41 dBm	-15.41 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89226 GHz	-38.60 dBm	-13.60 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65179 GHz	-32.57 dBm	-7.57 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00025 GHz	-34.90 dBm	-9.90 dB

Date: 20.DEC.2024 13:58:04

Date: 20.DEC.2024 13:59:19

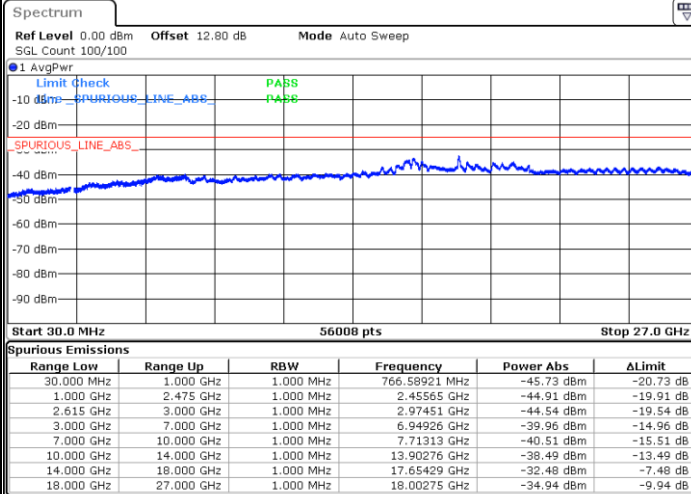


LTE Band 7C / 20MHz+10MHz

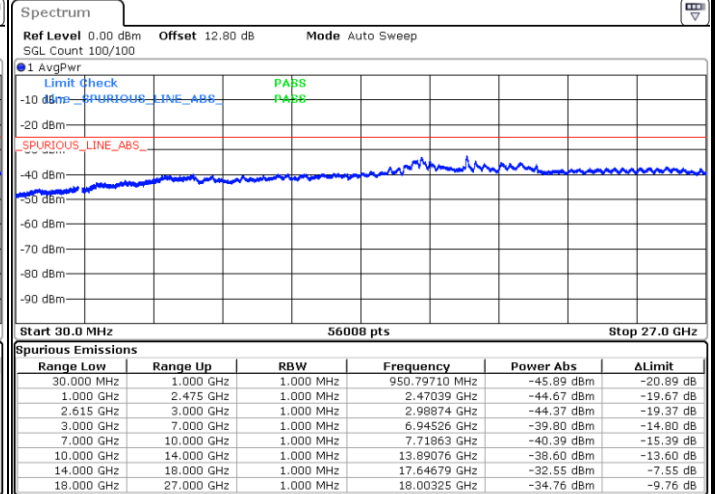
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



Date: 20.DEC.2024 13:53:36



Date: 20.DEC.2024 13:52:21

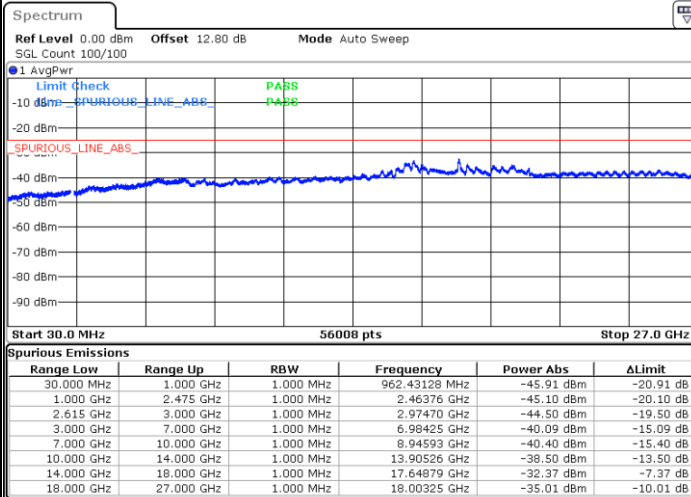


LTE Band 7C / 20MHz+15MHz

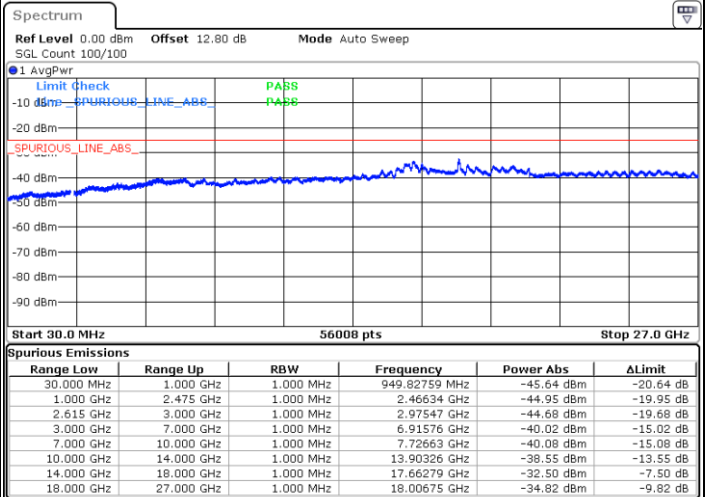
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



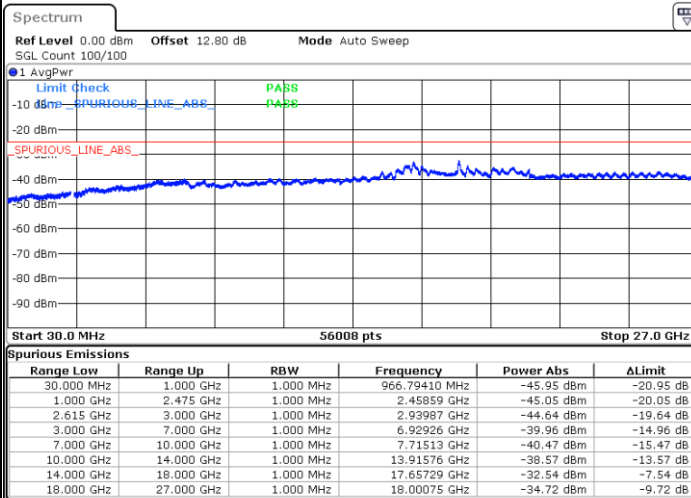
Date: 20.DEC.2024 14:19:54



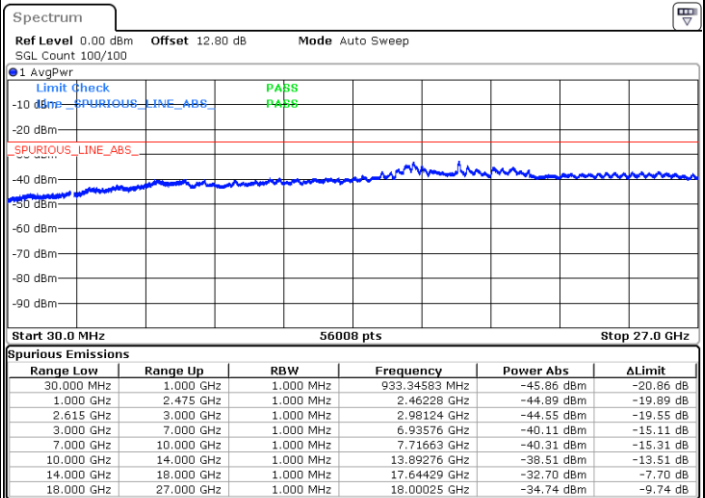
Date: 20.DEC.2024 14:18:39

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Date: 20.DEC.2024 14:21:13



Date: 20.DEC.2024 14:22:28

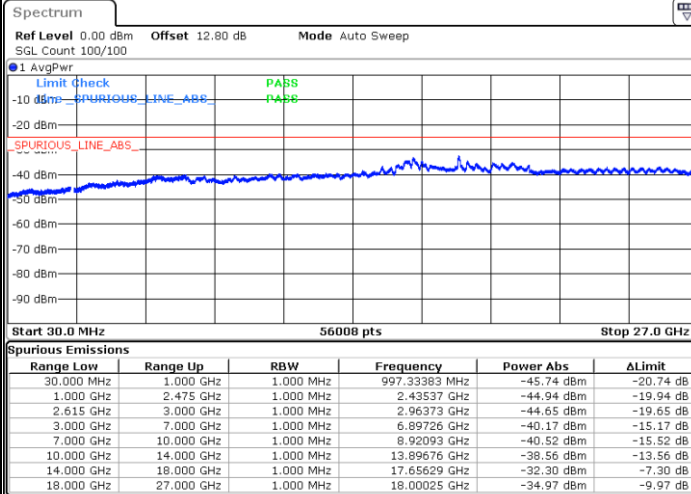


LTE Band 7C / 20MHz+15MHz

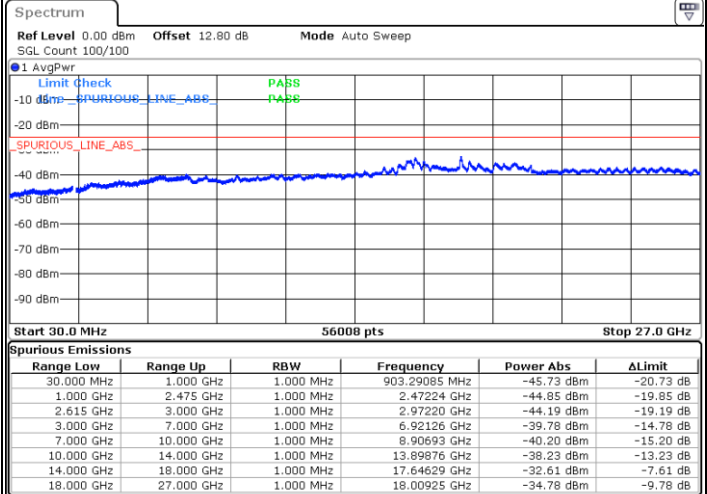
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



Date: 20.DEC.2024 14:17:20



Date: 20.DEC.2024 14:16:05

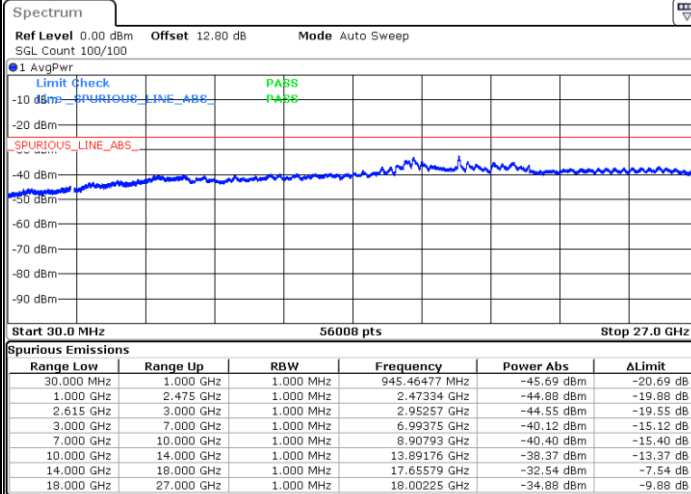


LTE Band 7C / 20MHz+20MHz

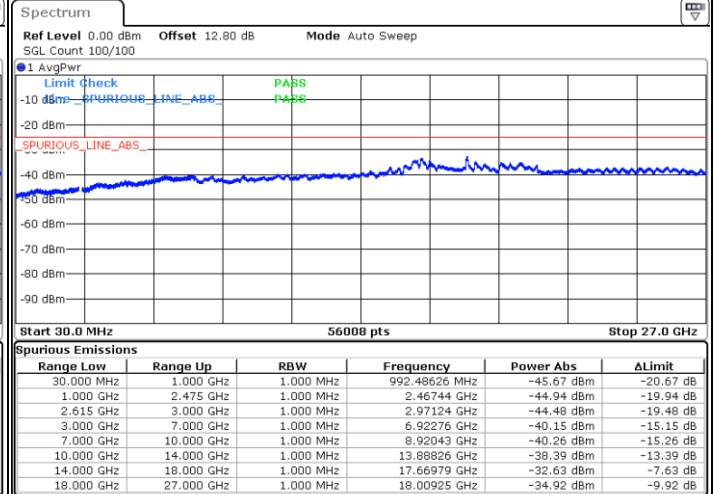
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



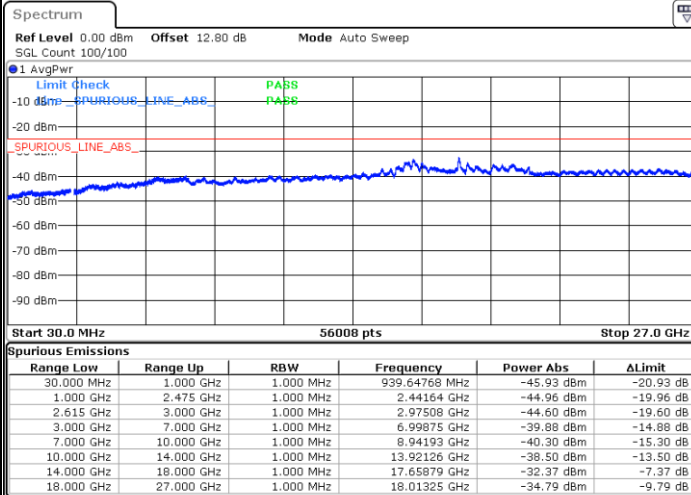
Date: 20.DEC.2024 14:27:36



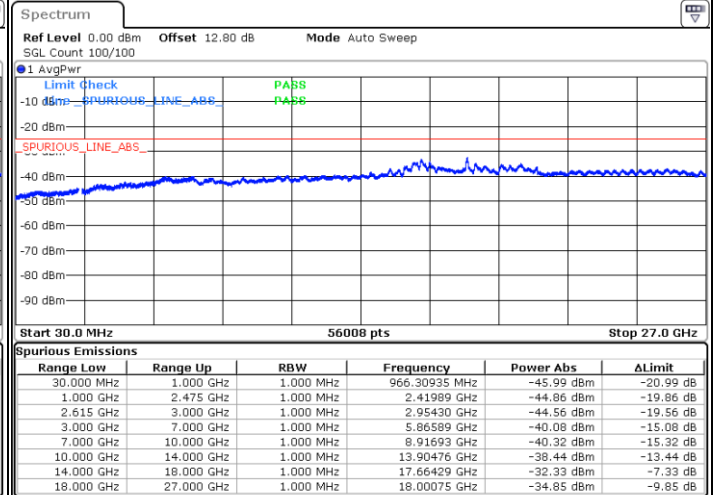
Date: 20.DEC.2024 14:26:21

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 20.DEC.2024 14:28:55



Date: 20.DEC.2024 14:30:10

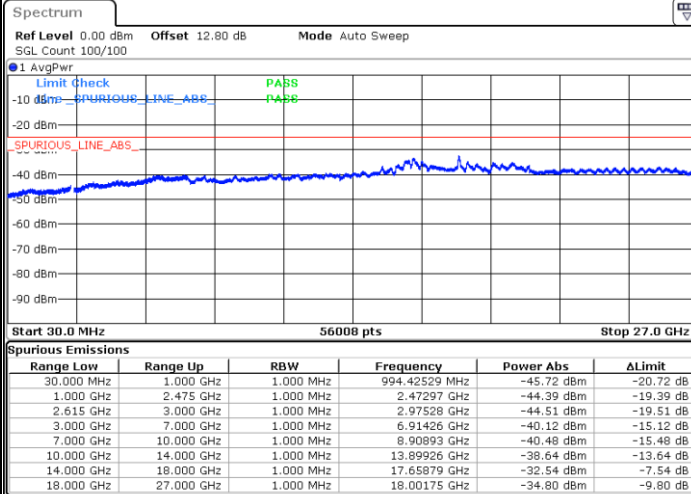


LTE Band 7C / 20MHz+20MHz

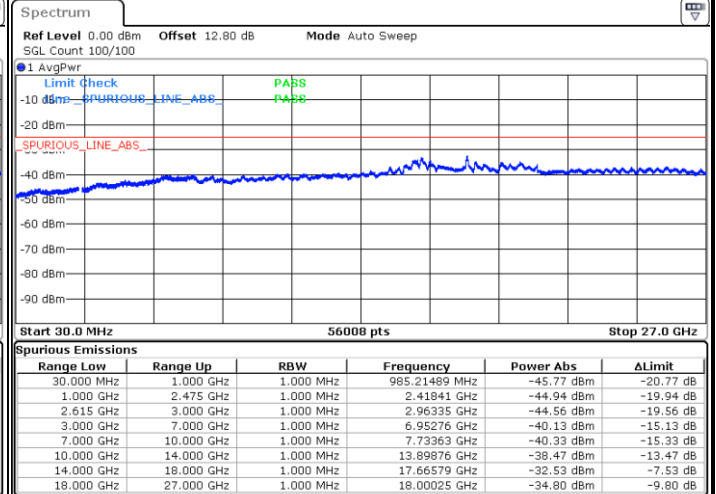
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Date: 20.DEC.2024 14:25:02



Date: 20.DEC.2024 14:23:47



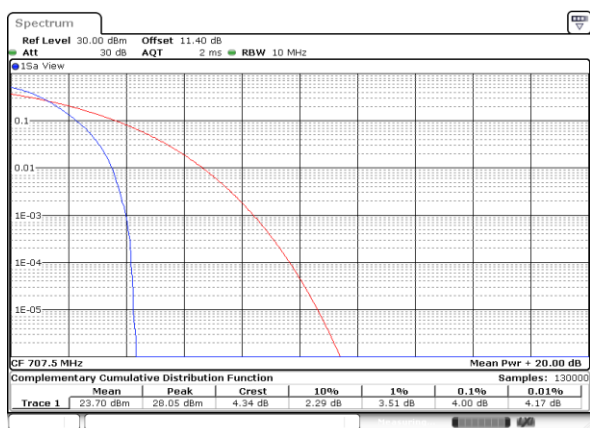
LTE Band 12

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	4.00	4.93	5.51	6.29	PASS

LTE Band 12 / 10MHz / QPSK

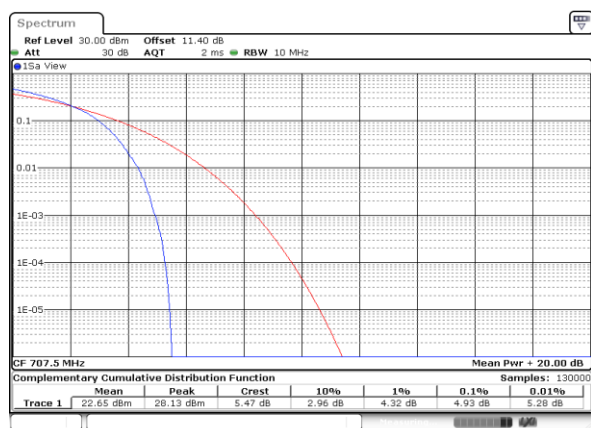
Middle Channel / Full RB



Date: 24.DEC.2024 01:43:49

LTE Band 12 / 10MHz / 16QAM

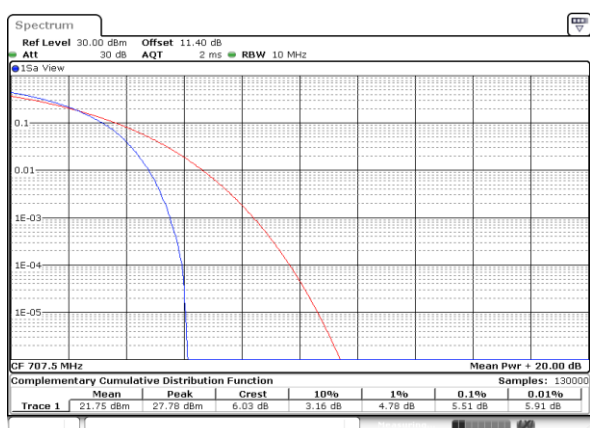
Middle Channel / Full RB



Date: 24.DEC.2024 01:44:10

LTE Band 12 / 10MHz / 64QAM

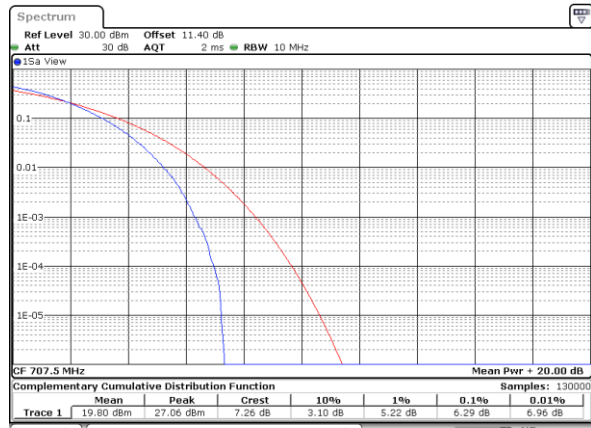
Middle Channel / Full RB



Date: 24.DEC.2024 01:44:47

LTE Band 12 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 24.DEC.2024 01:45:16

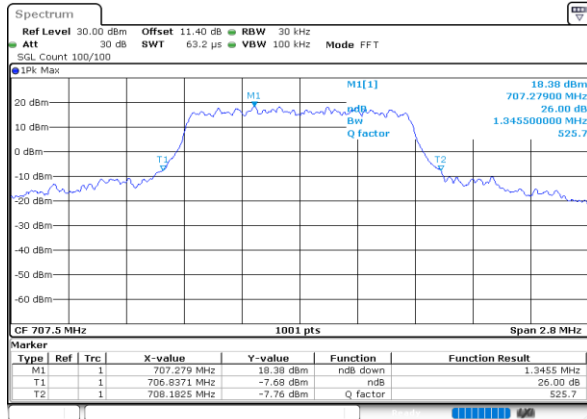
**26dB Bandwidth**

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	1.34	1.35	3.12	3.01	5.05	5.16	9.89	10.02	-	-	-	-
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	1.32	3.14	3.05	5.03	5.09	9.86	9.75	-	-	-	-

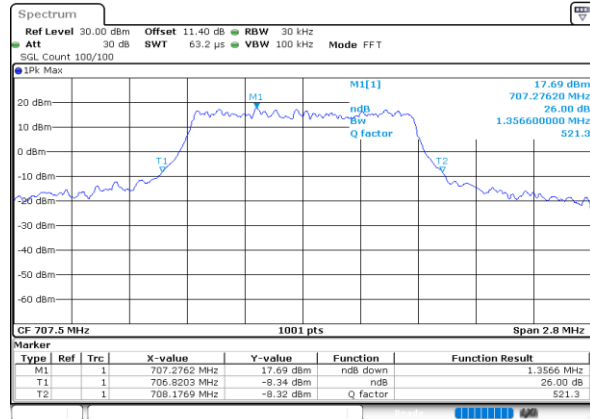


LTE Band 12

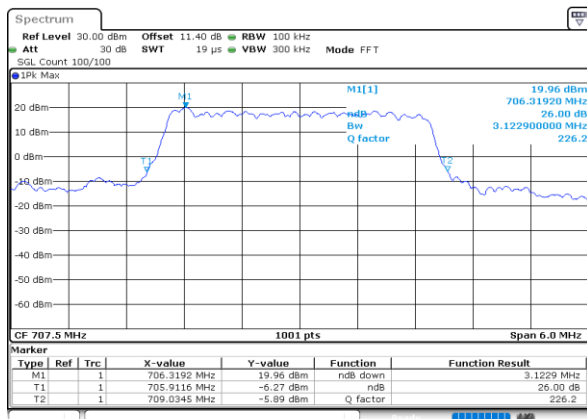
Middle Channel / 1.4MHz / QPSK



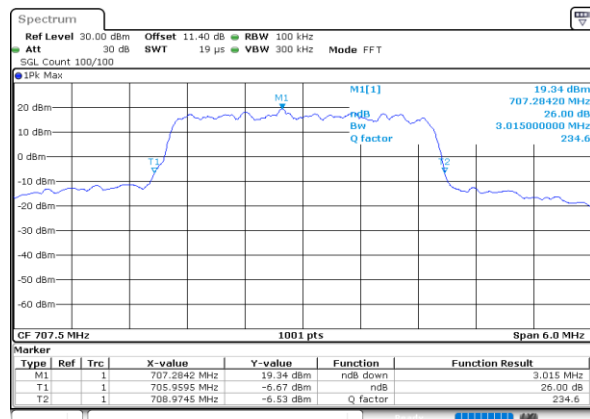
Middle Channel / 1.4MHz / 16QAM



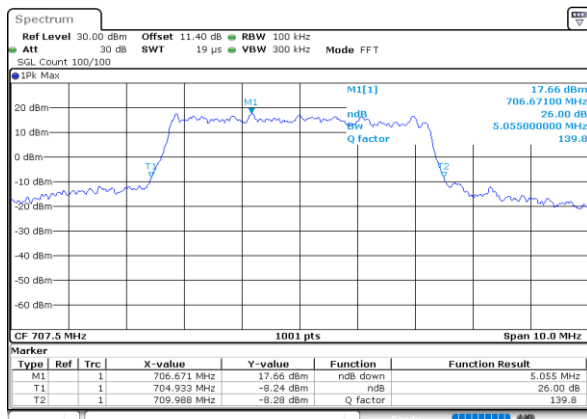
Middle Channel / 3MHz / QPSK



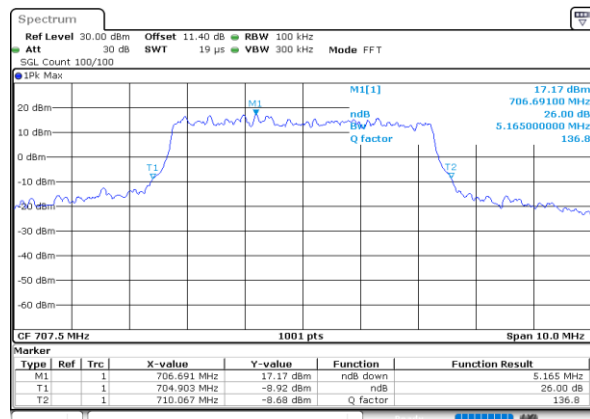
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



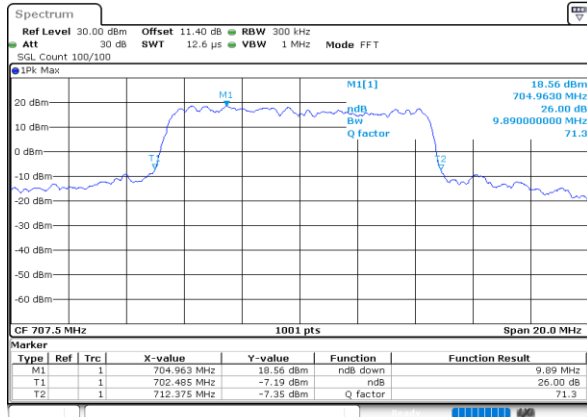
Middle Channel / 5MHz / 16QAM



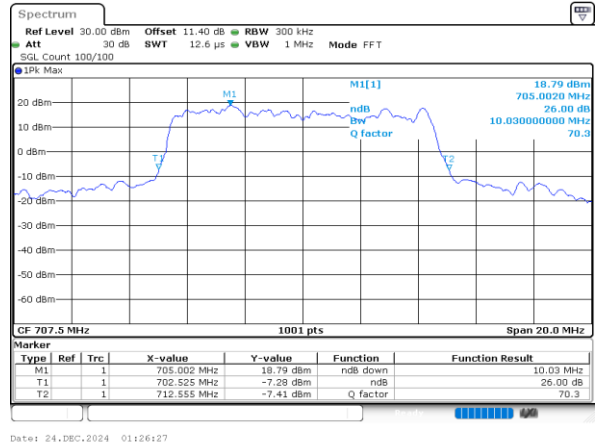


LTE Band 12

Middle Channel / 10MHz / QPSK

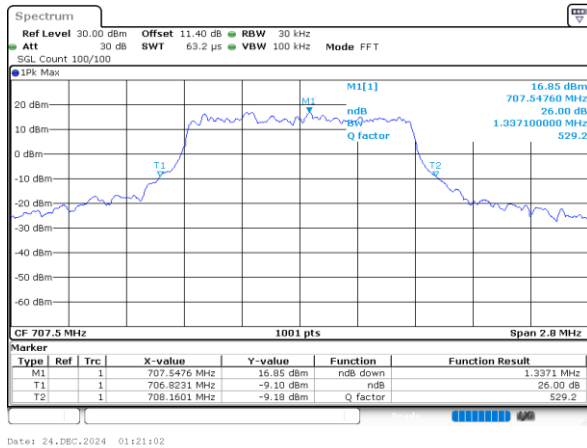


Middle Channel / 10MHz / 16QAM

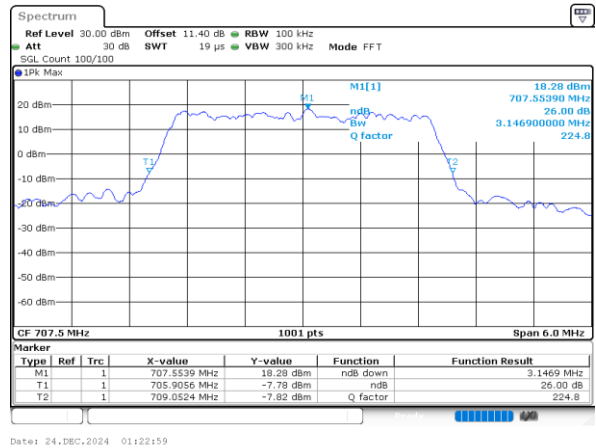


LTE Band 12

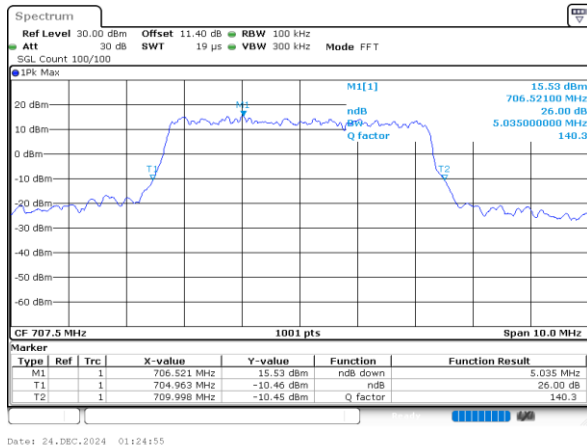
Middle Channel / 1.4MHz / 64QAM



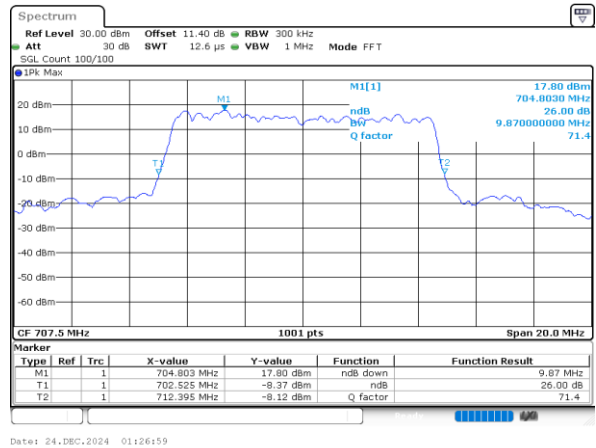
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



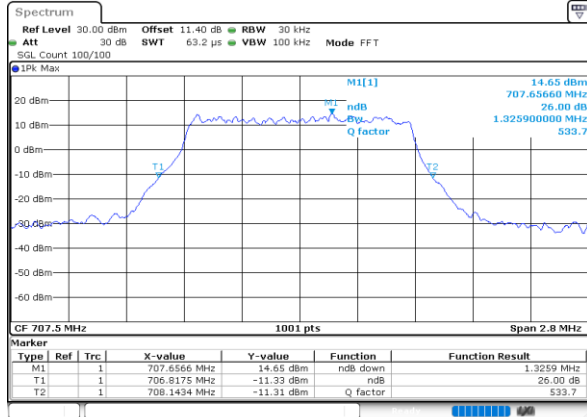
Middle Channel / 10MHz / 64QAM



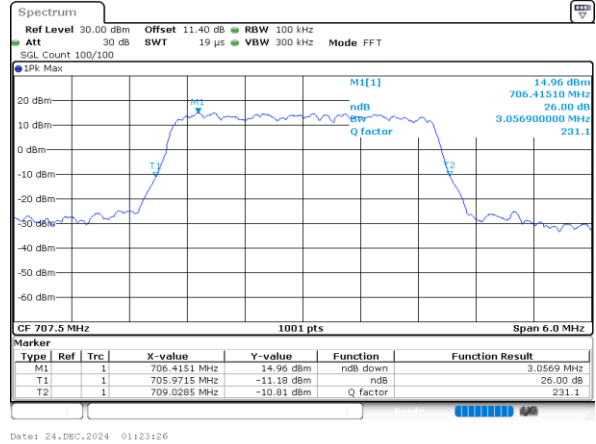


LTE Band 12

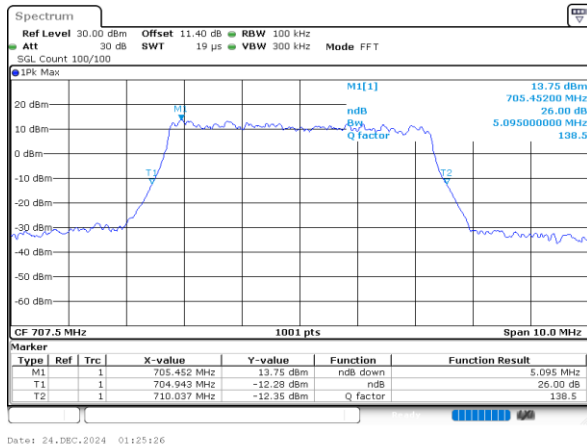
Middle Channel / 1.4MHz / 256QAM



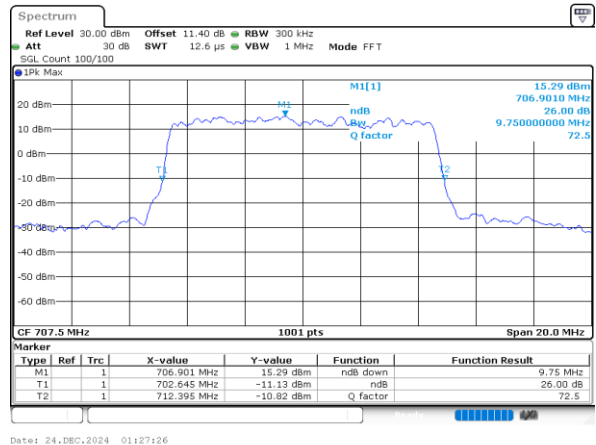
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



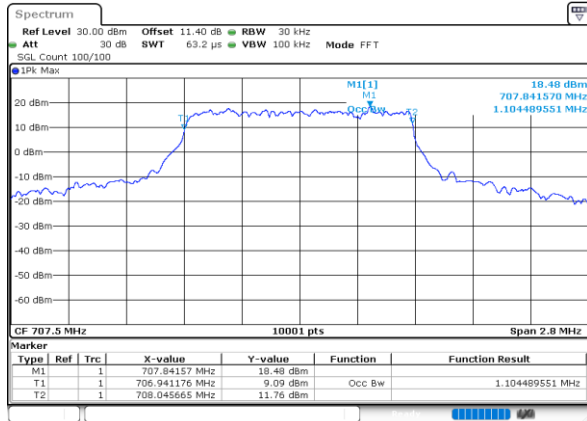
**Occupied Bandwidth**

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	2.74	4.52	4.47	9.03	9.05	-	-	-	-
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	2.71	4.47	4.49	9.03	8.96	-	-	-	-

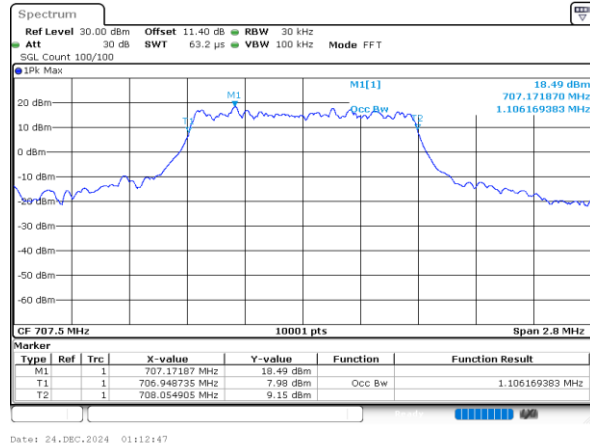


LTE Band 12

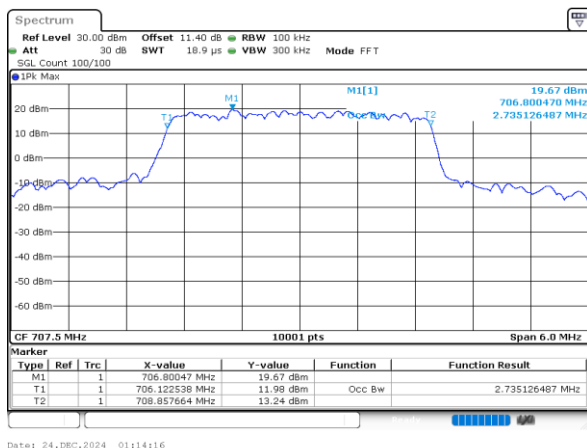
Middle Channel / 1.4MHz / QPSK



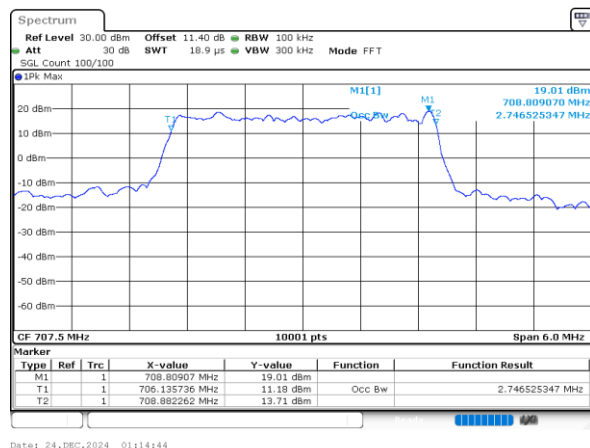
Middle Channel / 1.4MHz / 16QAM



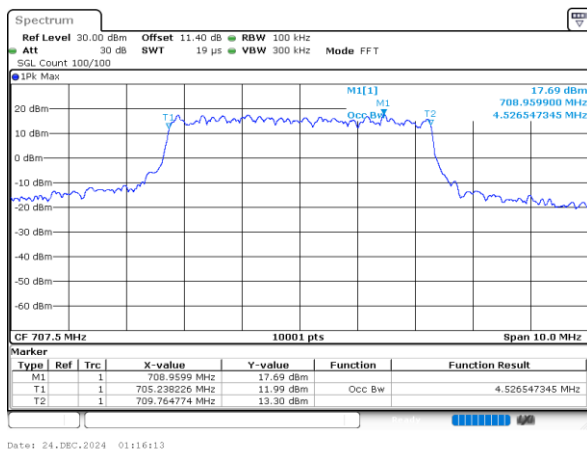
Middle Channel / 3MHz / QPSK



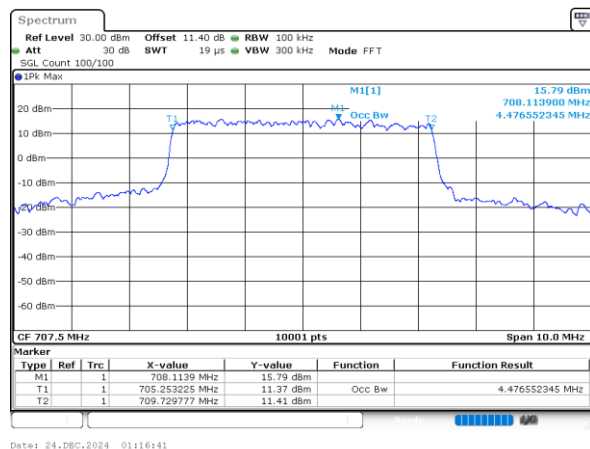
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



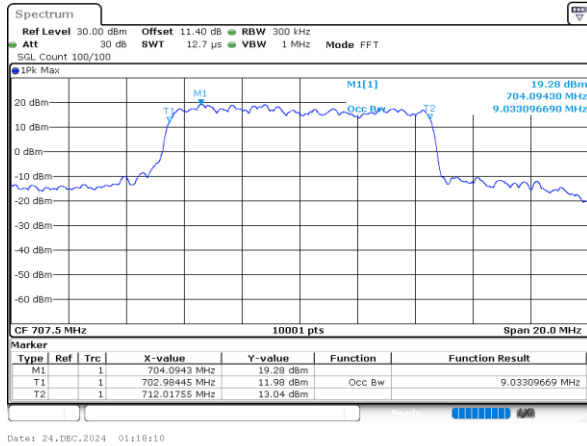
Middle Channel / 5MHz / 16QAM



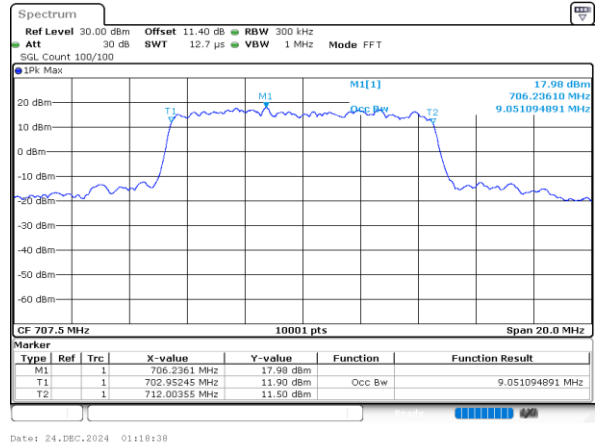


LTE Band 12

Middle Channel / 10MHz / QPSK

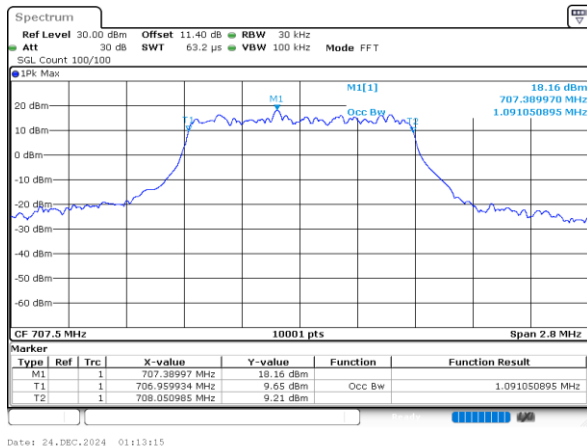


Middle Channel / 10MHz / 16QAM

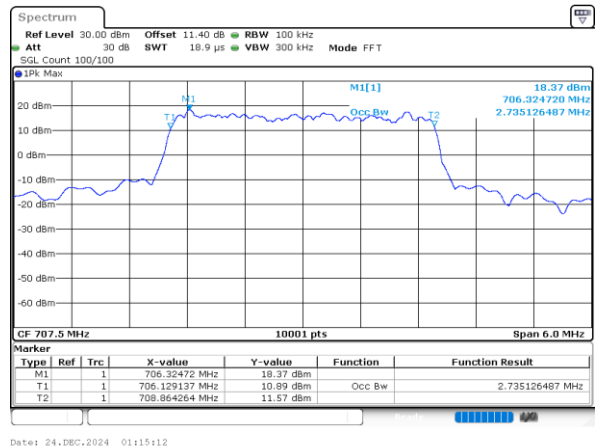


LTE Band 12

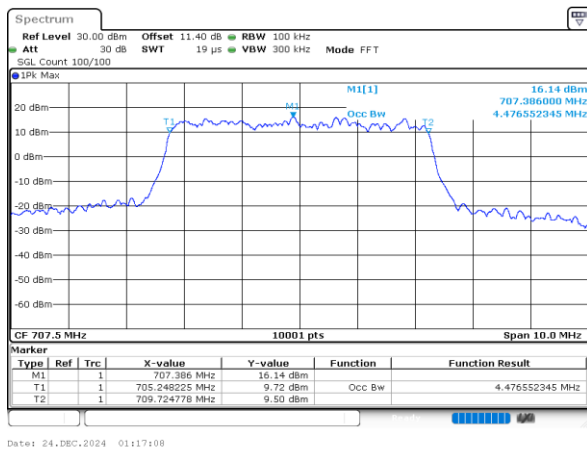
Middle Channel / 1.4MHz / 64QAM



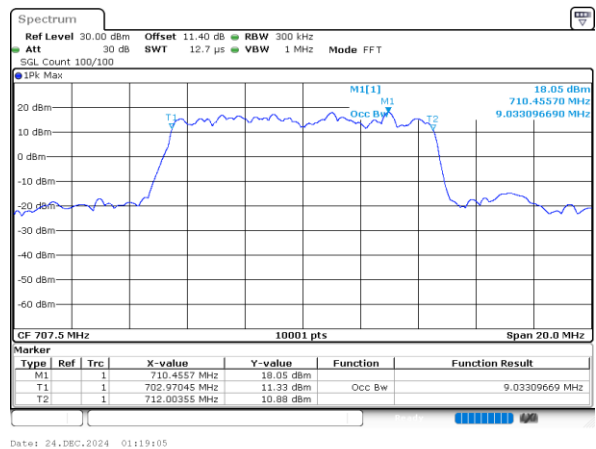
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



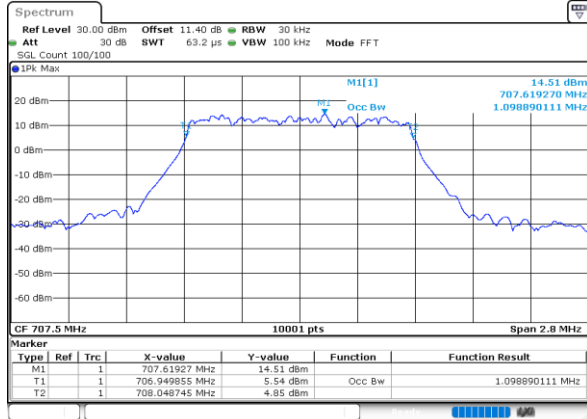
Middle Channel / 10MHz / 64QAM



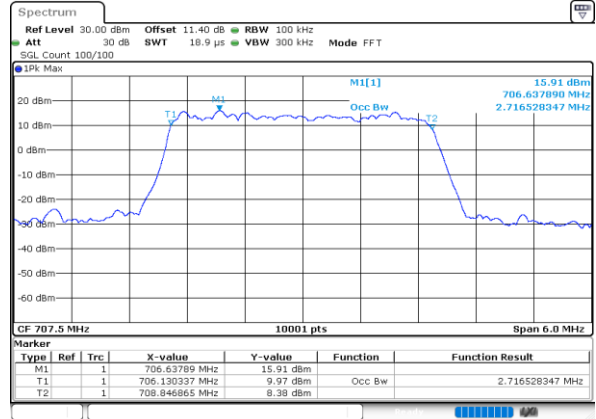


LTE Band 12

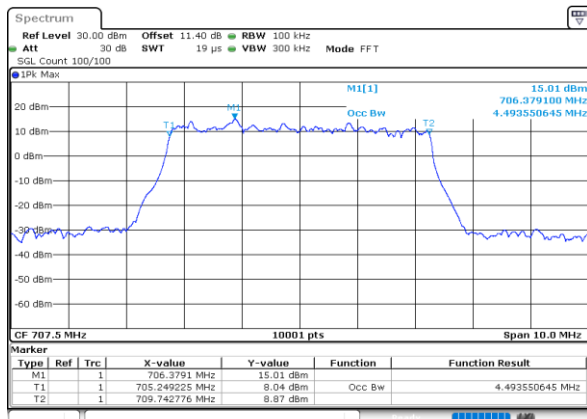
Middle Channel / 1.4MHz / 256QAM



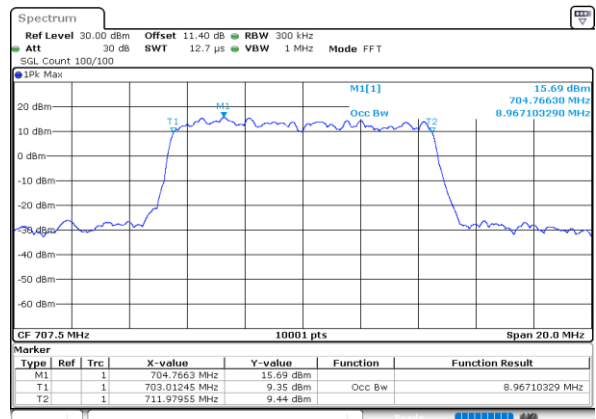
Middle Channel / 3MHz / 256QAM

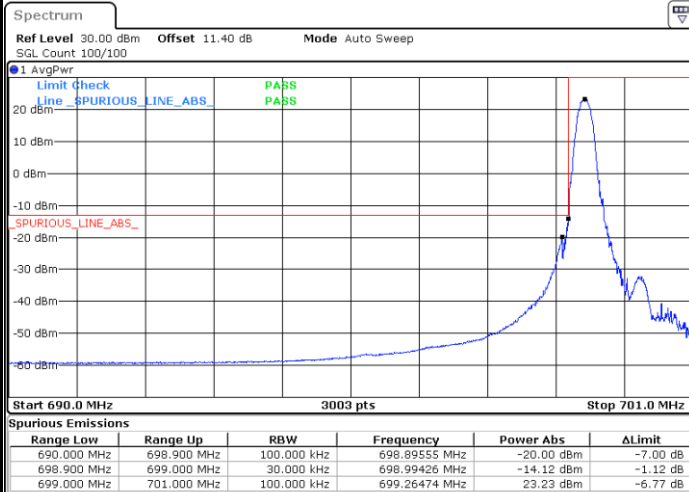


Middle Channel / 5MHz / 256QAM

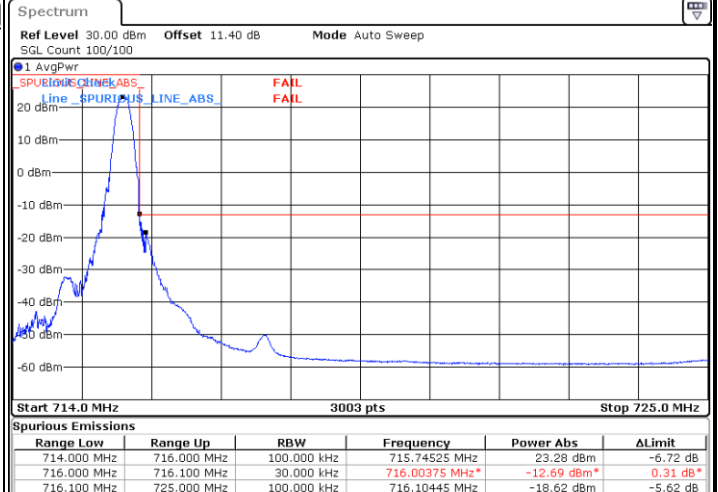


Middle Channel / 10MHz / 256QAM

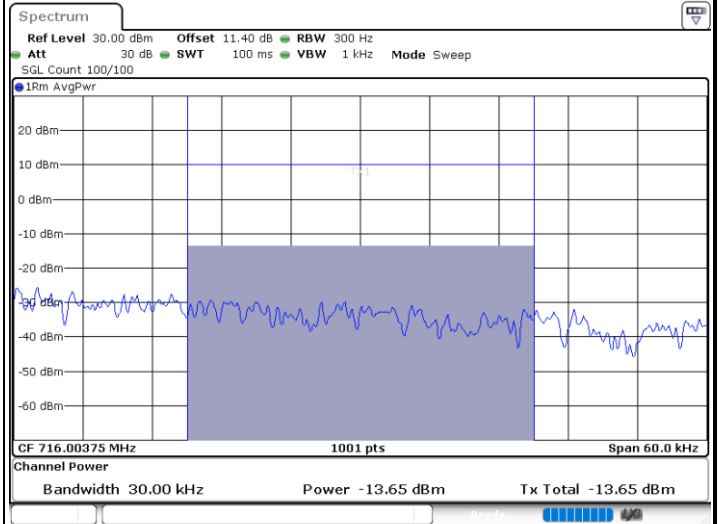


**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB**

Date: 24.DEC.2024 13:11:01

Highest Band Edge / 1RB

Date: 24.DEC.2024 00:36:56

Channel power -13dBm > -13.65dBm Pass

Date: 24.DEC.2024 13:01:30