

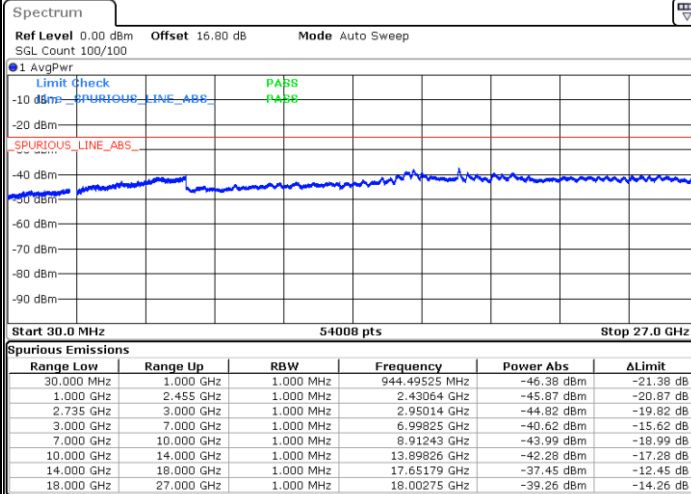


LTE Band 41C / 20MHz+20MHz

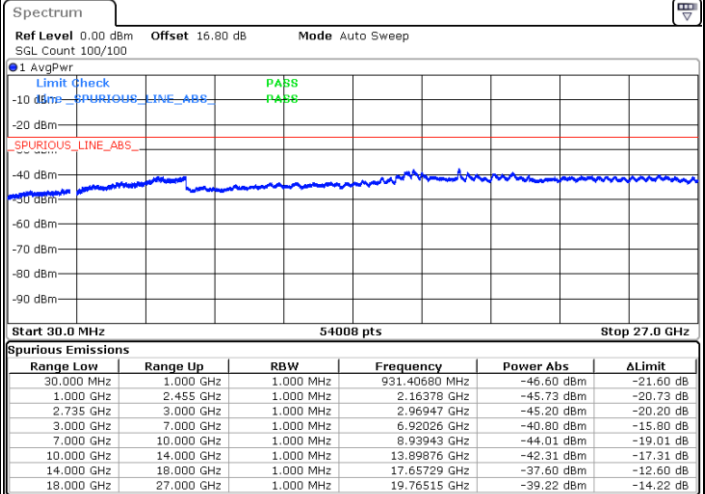
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



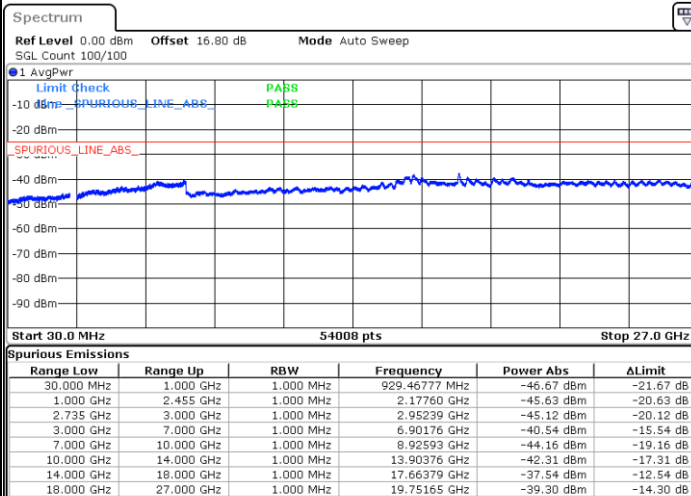
Date: 23.DEC.2024 14:16:34



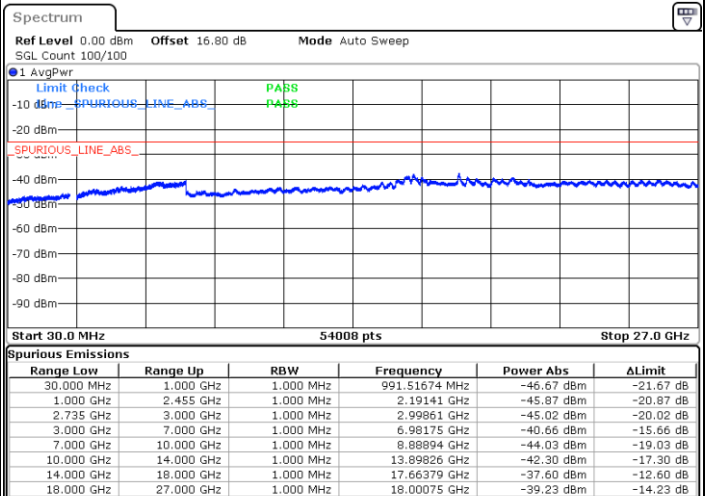
Date: 23.DEC.2024 14:15:19

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 23.DEC.2024 14:17:54



Date: 23.DEC.2024 14:19:10

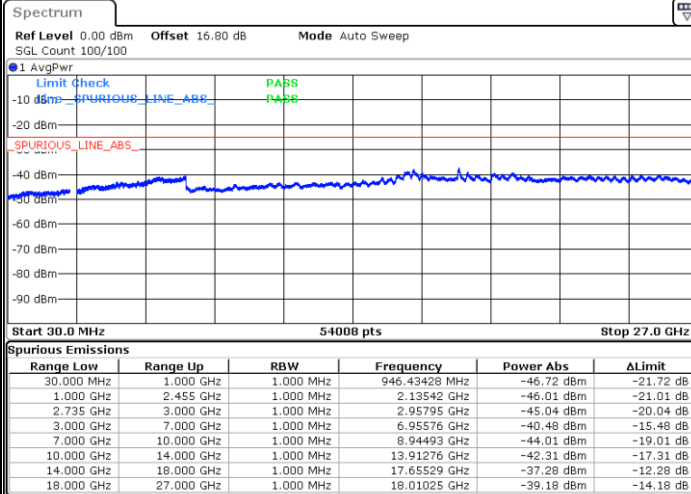


LTE Band 41C / 20MHz+20MHz

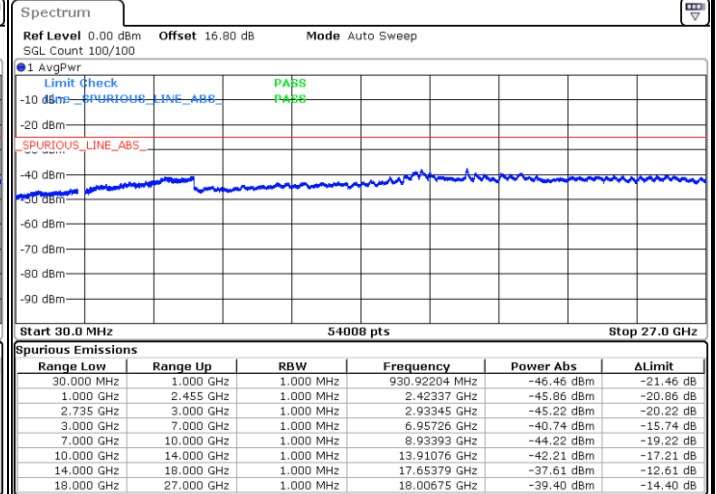
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Date: 23.DEC.2024 14:21:44



Date: 23.DEC.2024 14:20:29



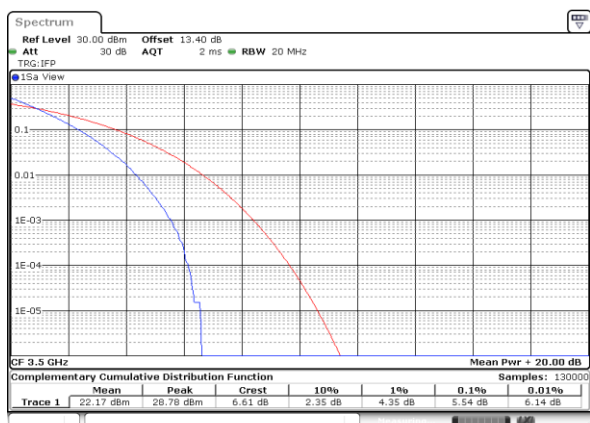
LTE Band 42

Peak-to-Average Ratio

Mode	LTE Band 42 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.54	6.26	6.58	6.52	PASS

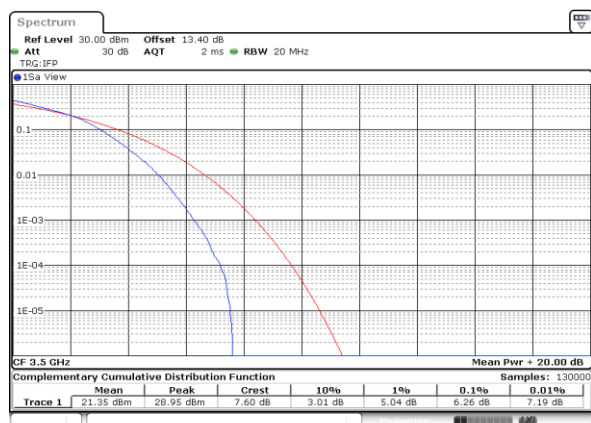
LTE Band 42 / 20MHz / QPSK

Middle Channel / Full RB



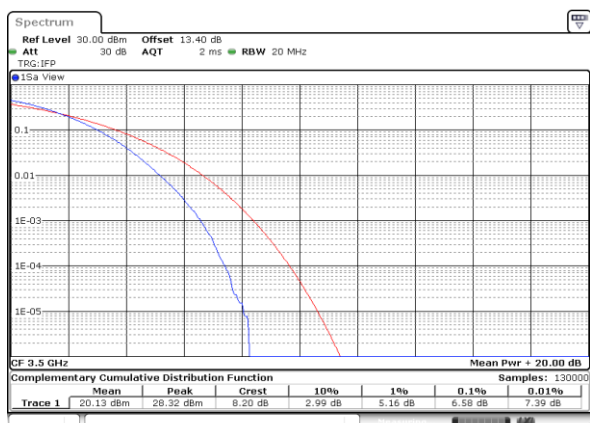
LTE Band 42 / 20MHz / 16QAM

Middle Channel / Full RB



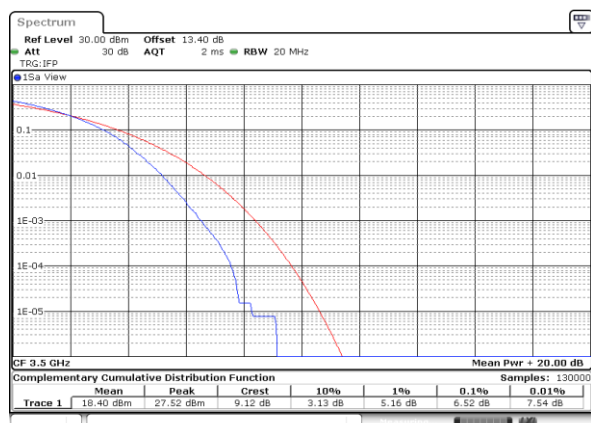
LTE Band 42 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 42 / 20MHz / 256QAM

Middle Channel / Full RB



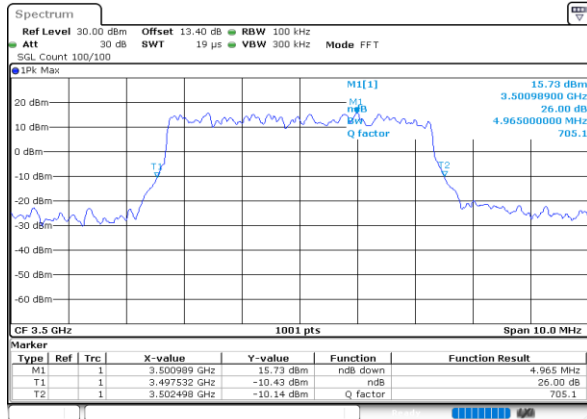
**26dB Bandwidth**

Mode	LTE Band 42 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.96	5.10	9.97	9.65	14.50	14.41	19.30	18.98
Mode	LTE Band 42 : 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	-	-	-	-	5.05	4.76	9.86	9.73	14.29	14.20	19.02	18.98

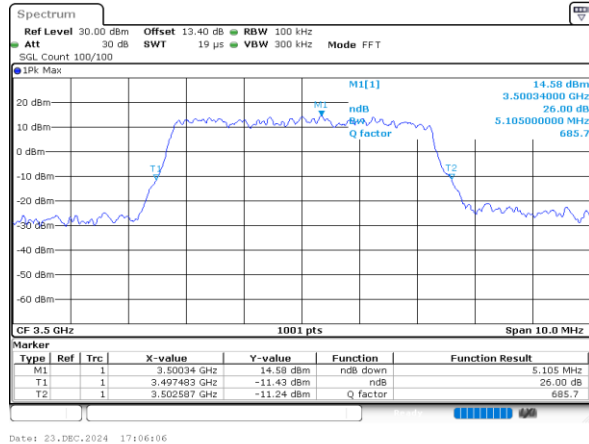


LTE Band 42

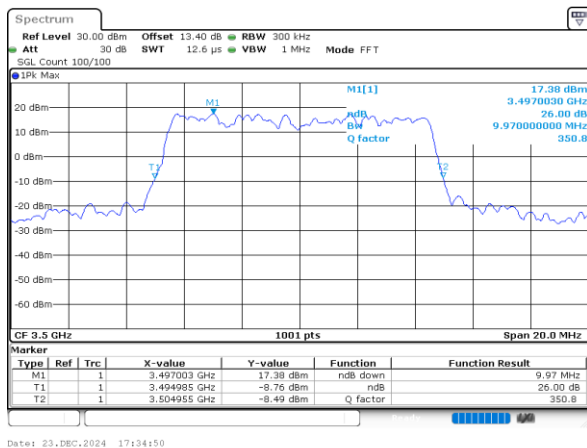
Middle Channel / 5MHz / QPSK



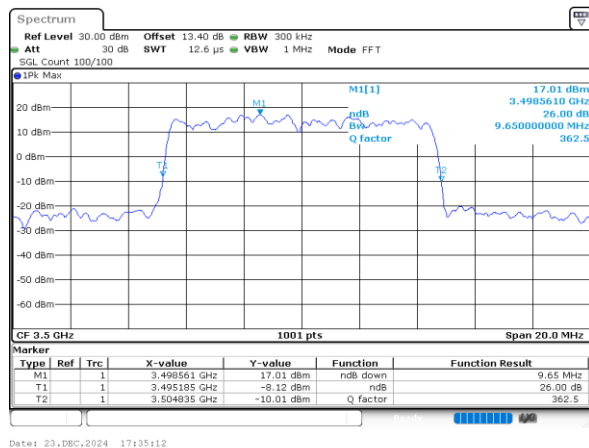
Middle Channel / 5MHz / 16QAM



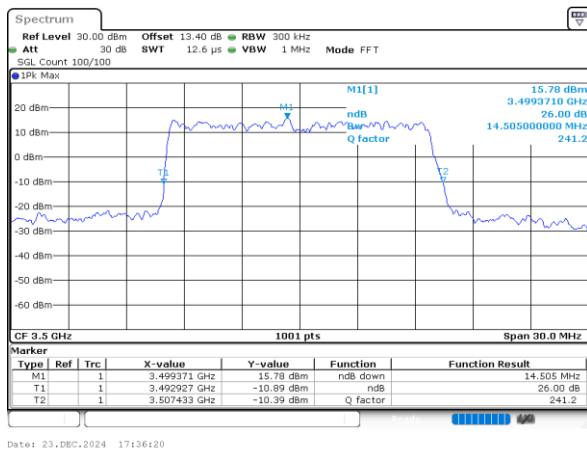
Middle Channel / 10MHz / QPSK



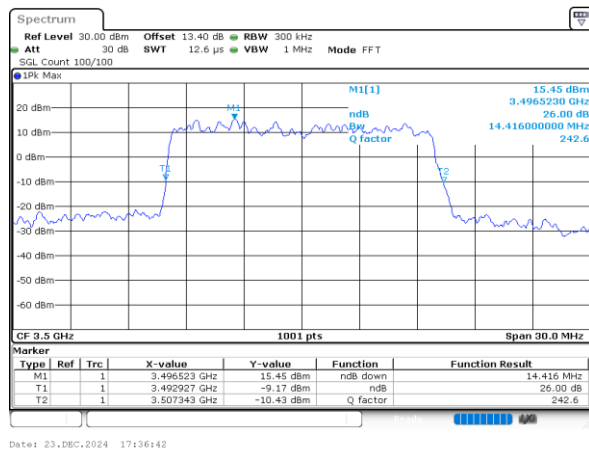
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



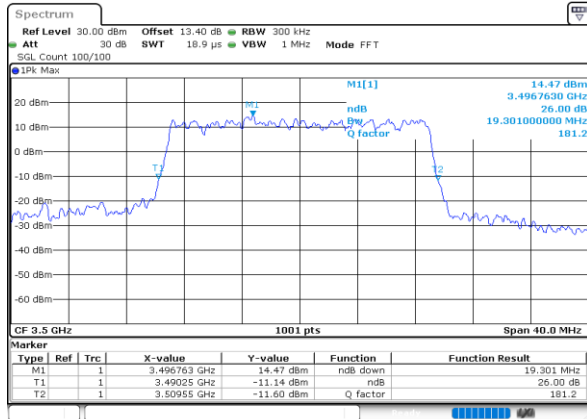
Middle Channel / 15MHz / 16QAM



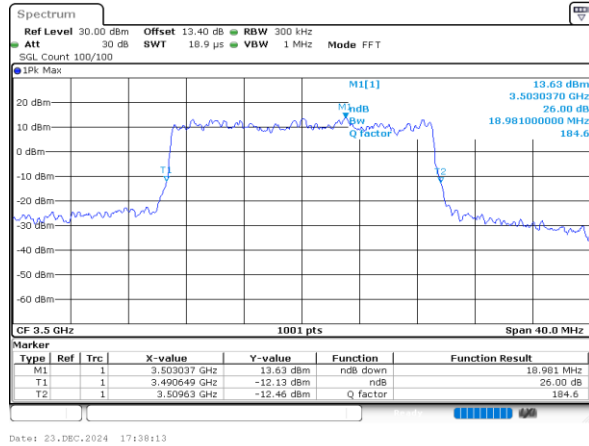


LTE Band 42

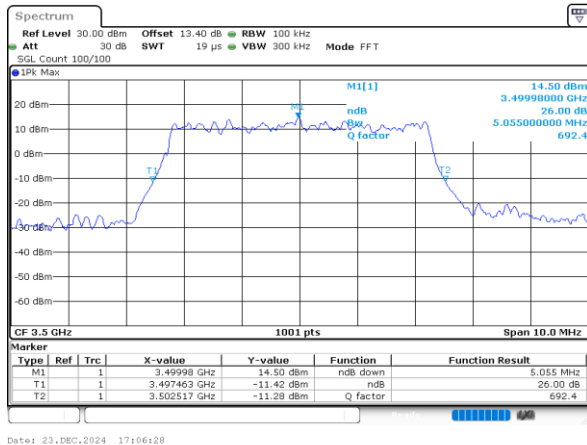
Middle Channel / 20MHz / QPSK



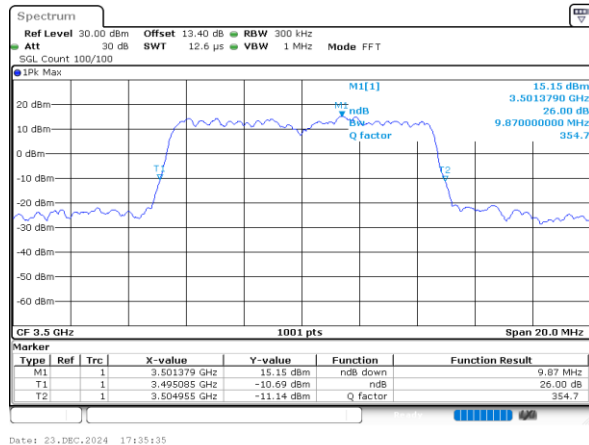
Middle Channel / 20MHz / 16QAM



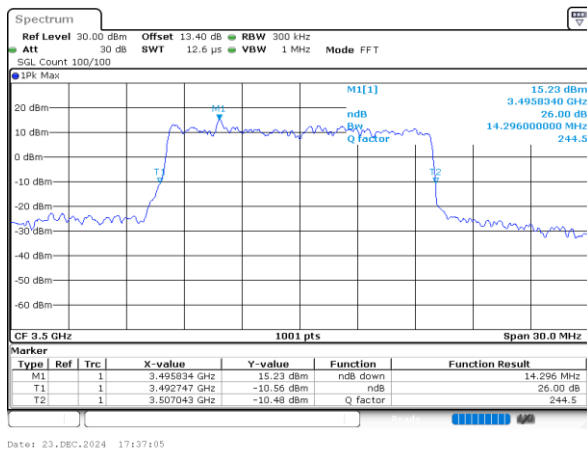
Middle Channel / 5MHz / 64QAM



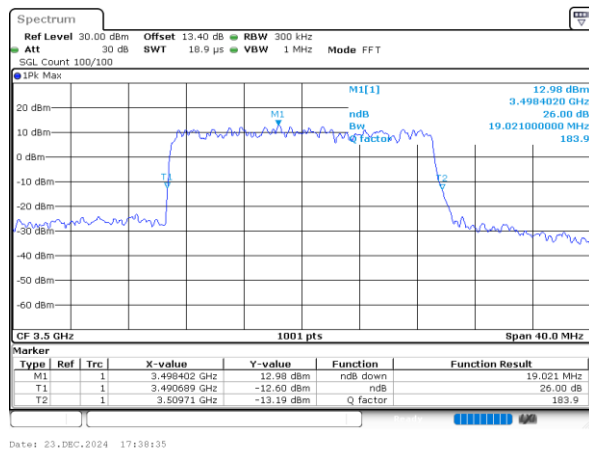
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



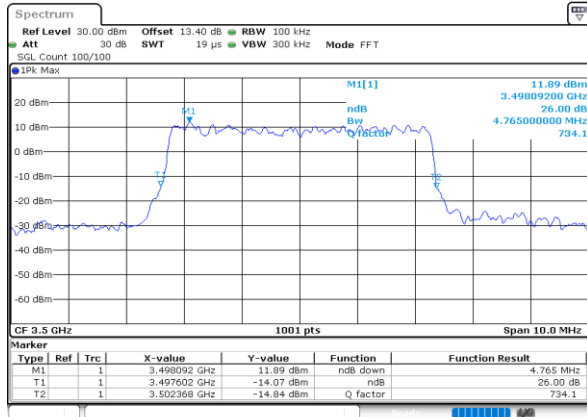
Middle Channel / 20MHz / 64QAM



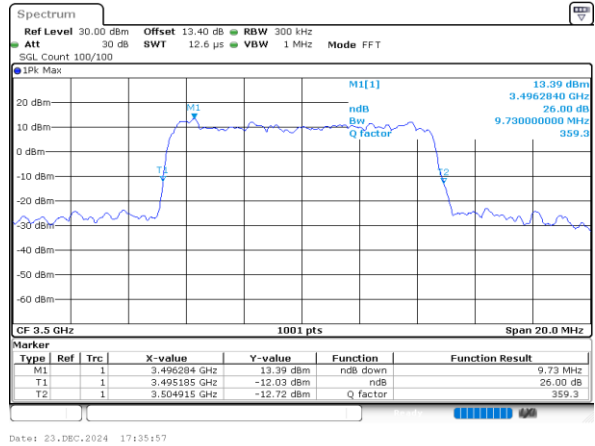


LTE Band 42

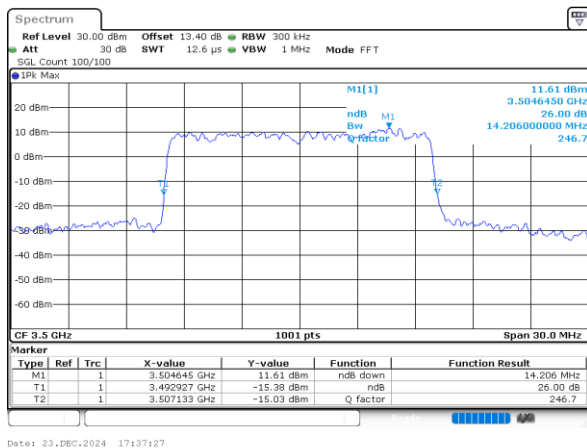
Middle Channel / 5MHz / 256QAM



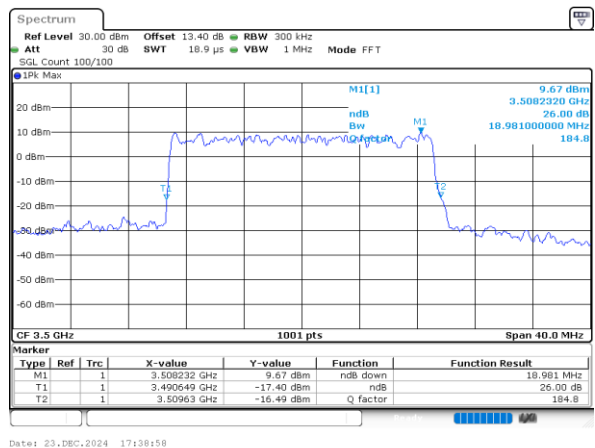
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



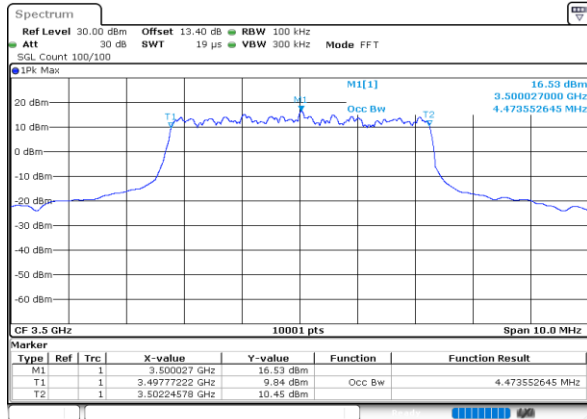
**Occupied Bandwidth**

Mode	LTE Band 42 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.50	9.07	9.01	13.49	13.51	17.91	17.95
Mode	LTE Band 42 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.53	4.47	9.07	9.09	13.42	13.54	17.88	17.87

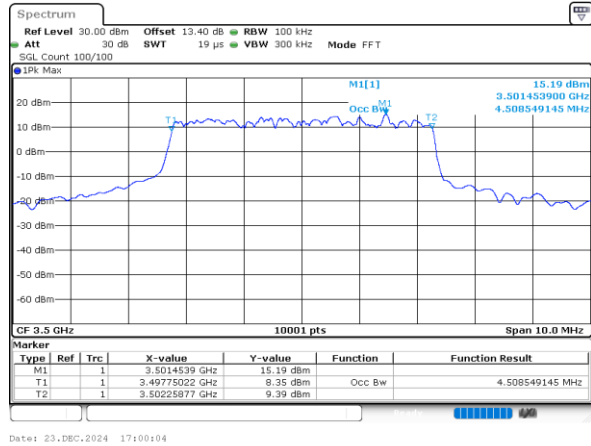


LTE Band 42

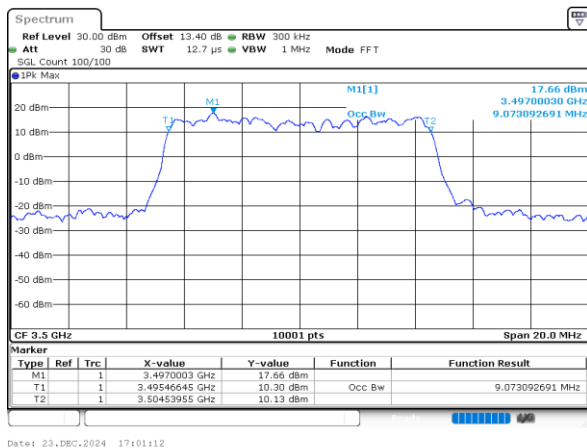
Middle Channel / 5MHz / QPSK



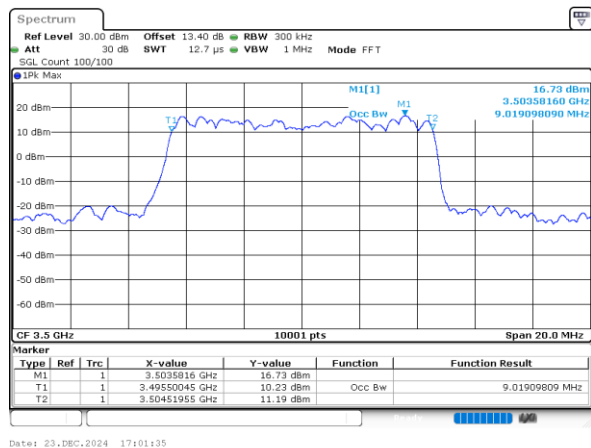
Middle Channel / 5MHz / 16QAM



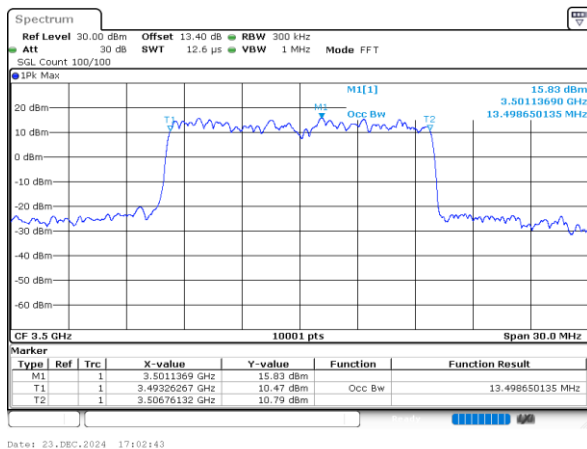
Middle Channel / 10MHz / QPSK



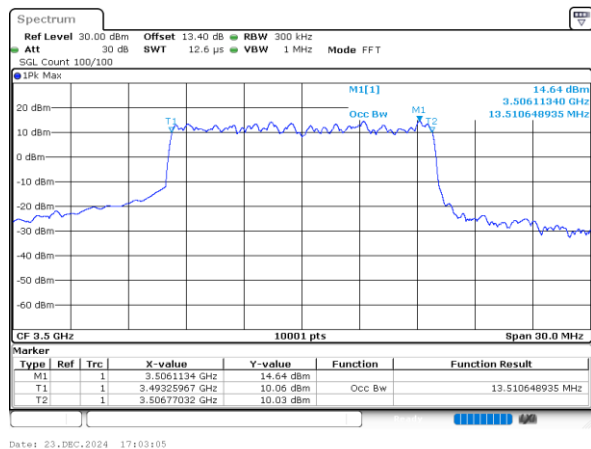
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



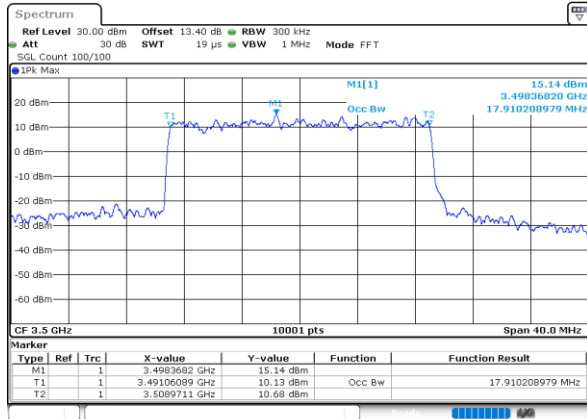
Middle Channel / 15MHz / 16QAM



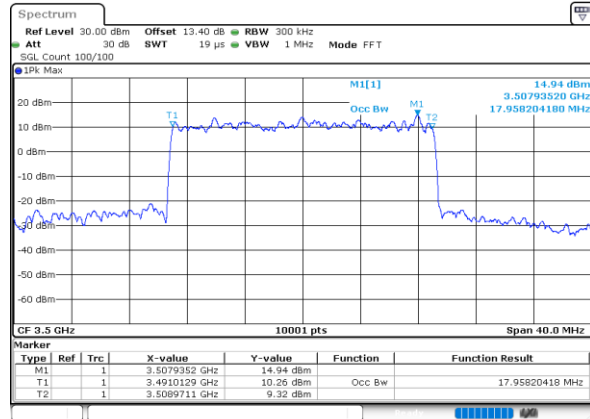


LTE Band 42

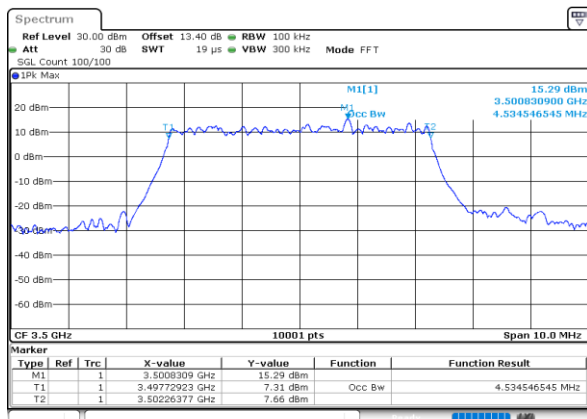
Middle Channel / 20MHz / QPSK



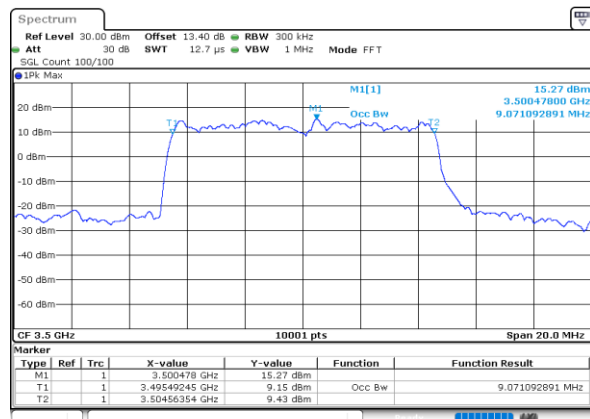
Middle Channel / 20MHz / 16QAM



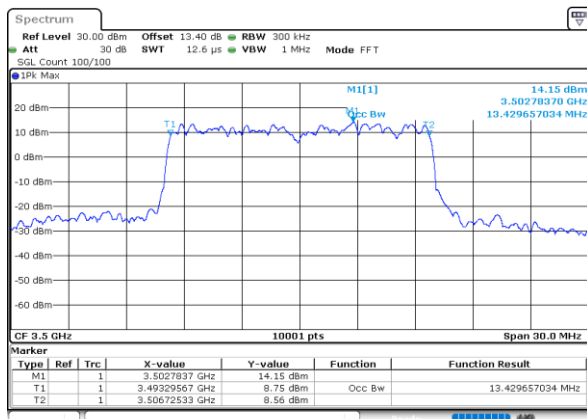
Middle Channel / 5MHz / 64QAM



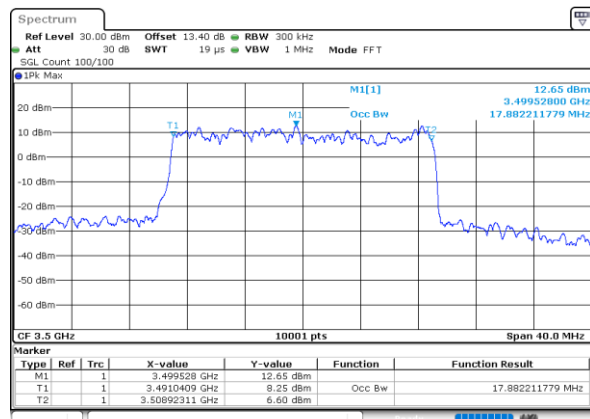
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



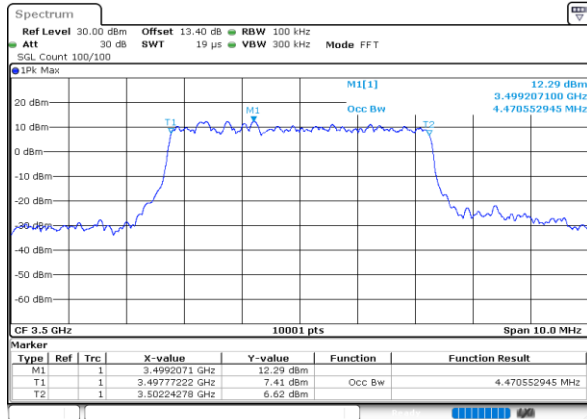
Middle Channel / 20MHz / 64QAM



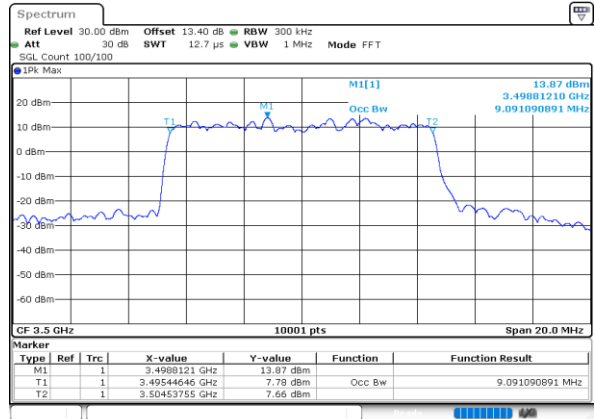


LTE Band 42

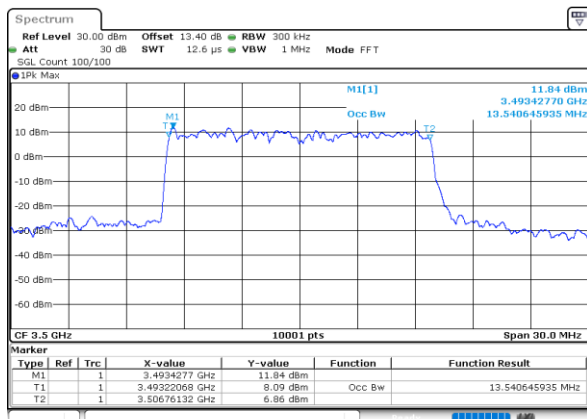
Middle Channel / 5MHz / 256QAM



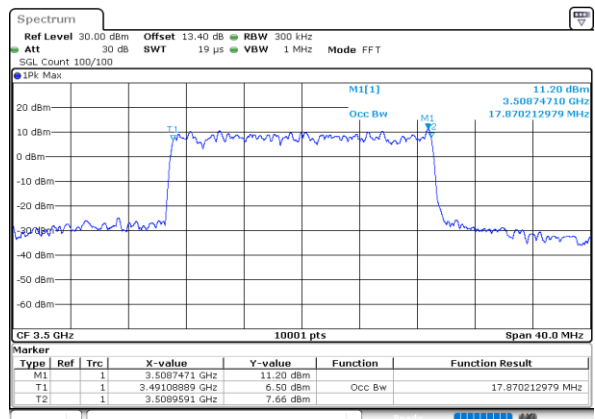
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

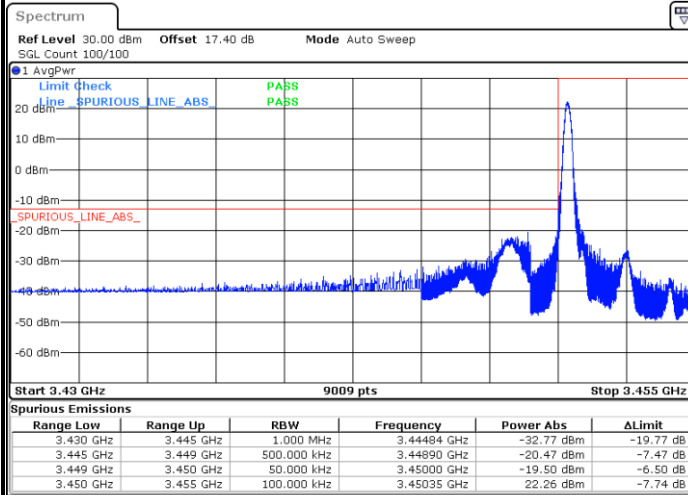




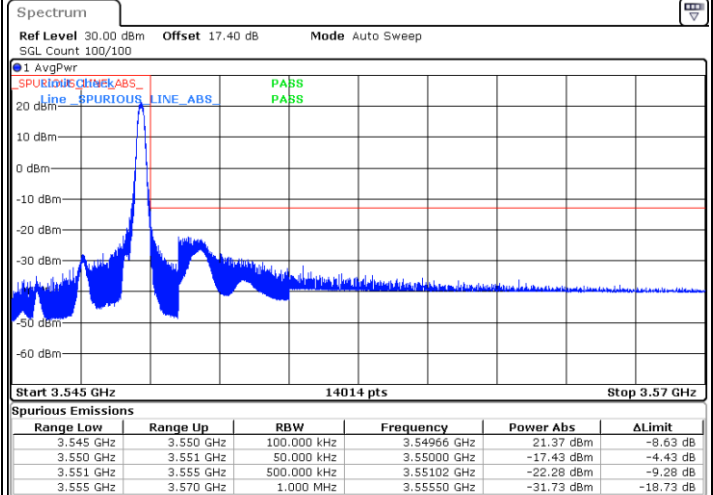
Conducted Band Edge

LTE Band 42 / 5MHz / QPSK

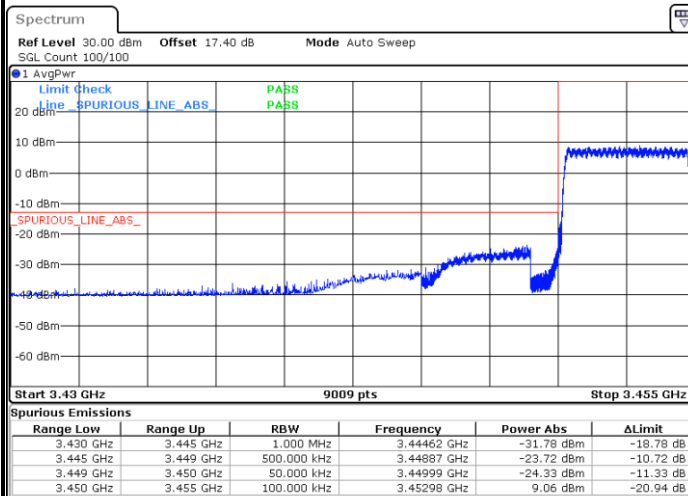
Lowest Band Edge / 1 RB



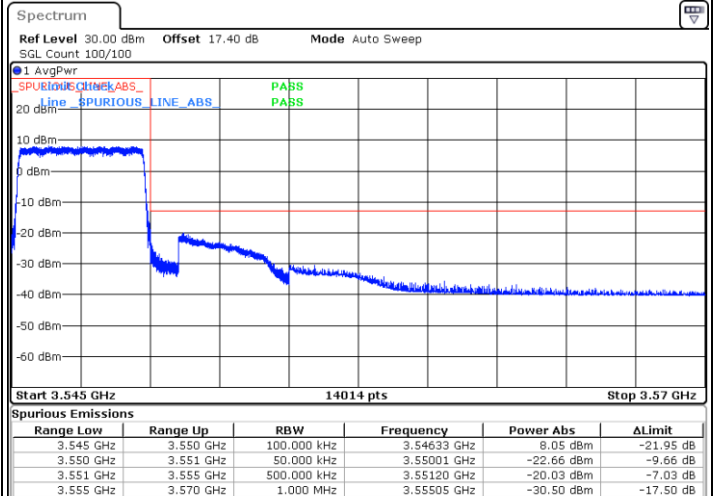
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



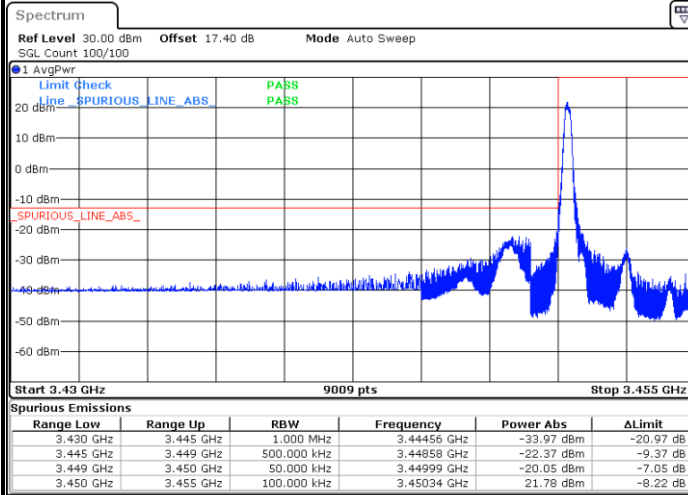
Highest Band Edge / Full RB





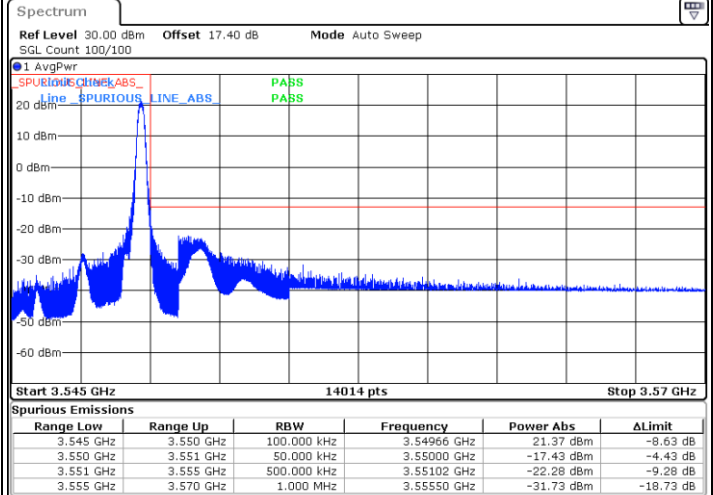
LTE Band 42 / 5MHz / 16QAM

Lowest Band Edge / 1RB



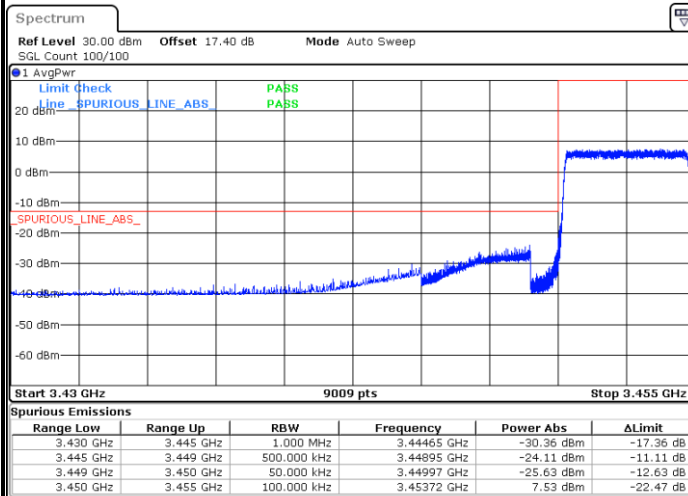
Date: 23.DEC.2024 16:04:12

Highest Band Edge / 1 RB



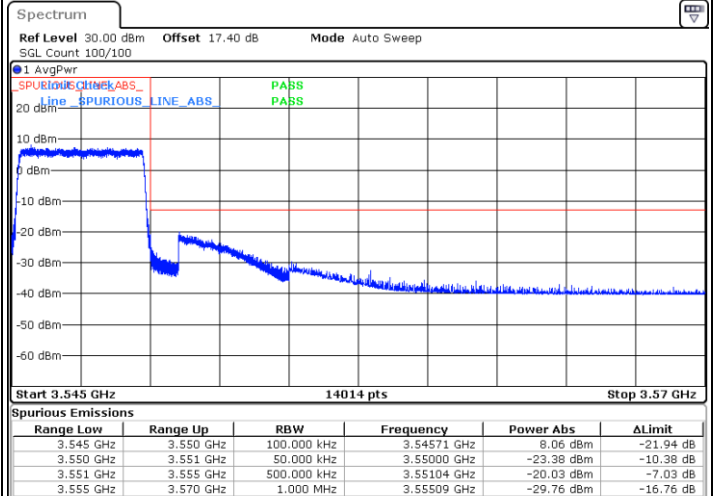
Date: 23.DEC.2024 16:11:16

Lowest Band Edge / Full RB



Date: 23.DEC.2024 16:07:44

Highest Band Edge / Full RB

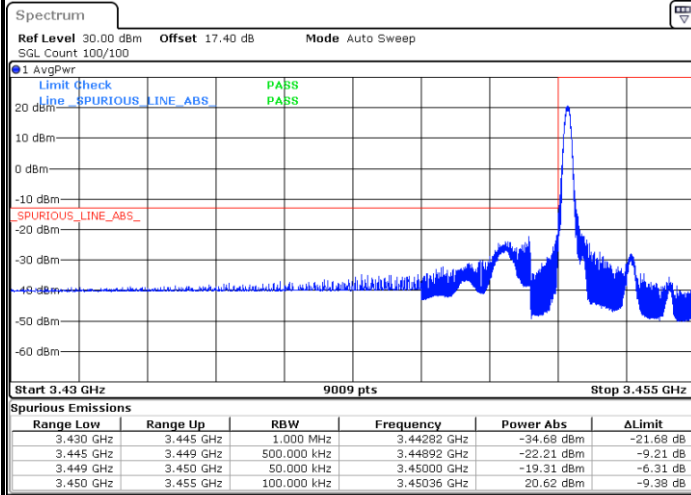


Date: 23.DEC.2024 16:14:48



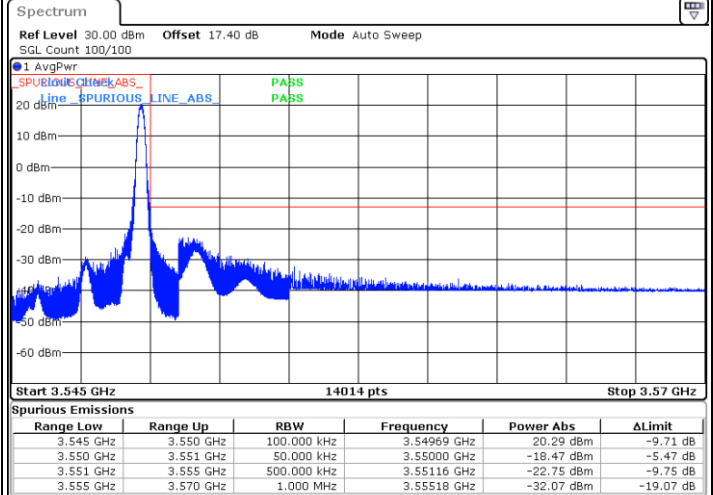
LTE Band 42 / 5MHz / 64QAM

Lowest Band Edge / 1RB



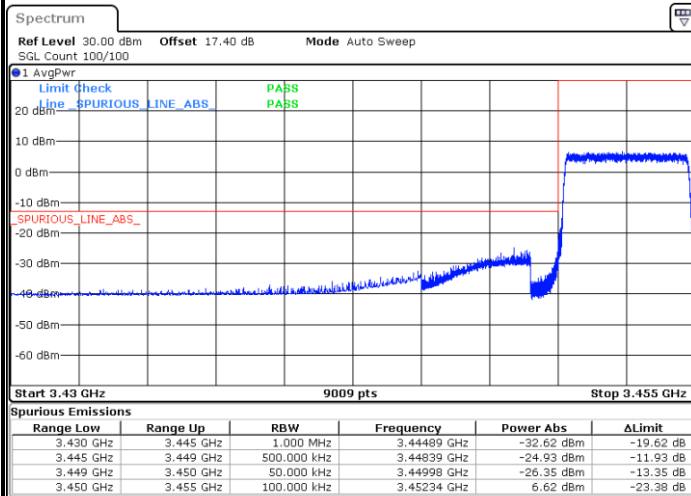
Date: 23.DEC.2024 16:05:04

Highest Band Edge / 1 RB



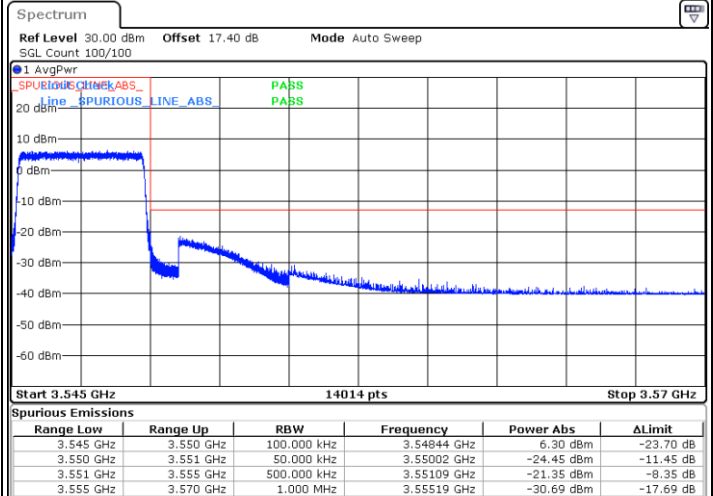
Date: 23.DEC.2024 16:12:08

Lowest Band Edge / Full RB



Date: 23.DEC.2024 16:08:36

Highest Band Edge / Full RB

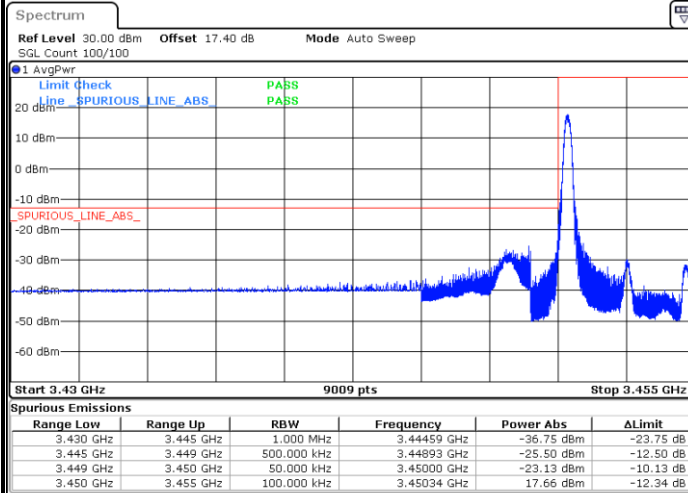


Date: 23.DEC.2024 16:15:40



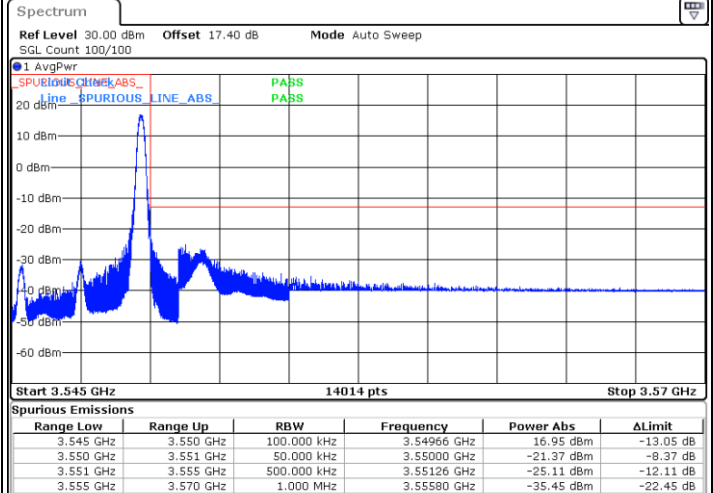
LTE Band 42 / 5MHz / 256QAM

Lowest Band Edge / 1RB



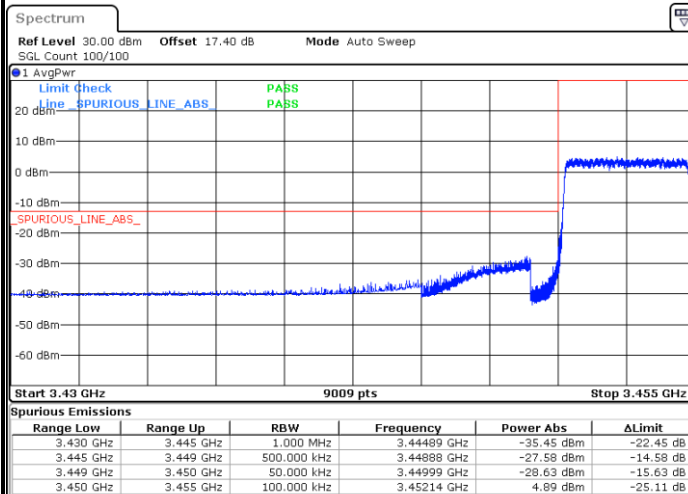
Date: 23.DEC.2024 16:05:56

Highest Band Edge / 1 RB



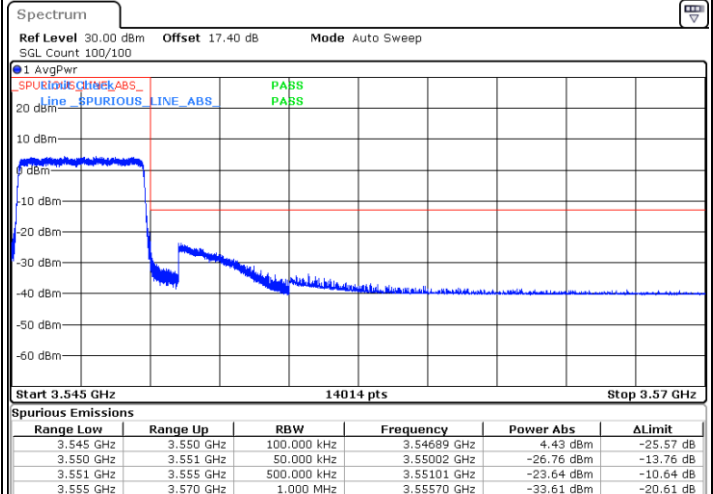
Date: 23.DEC.2024 16:13:00

Lowest Band Edge / Full RB



Date: 23.DEC.2024 16:09:28

Highest Band Edge / Full RB

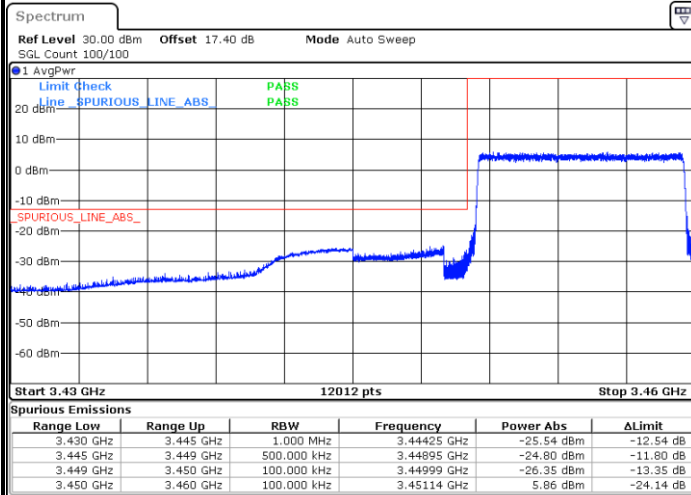


Date: 23.DEC.2024 16:16:32

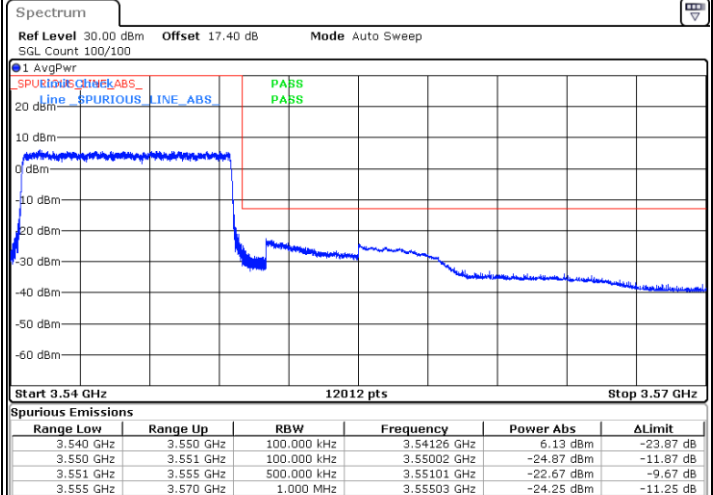


LTE Band 42 / 10MHz / QPSK

Lowest Band Edge / Full RB

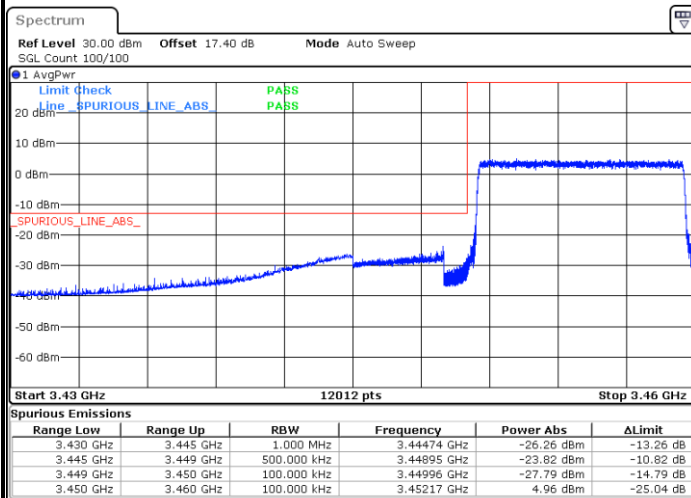


Highest Band Edge / Full RB

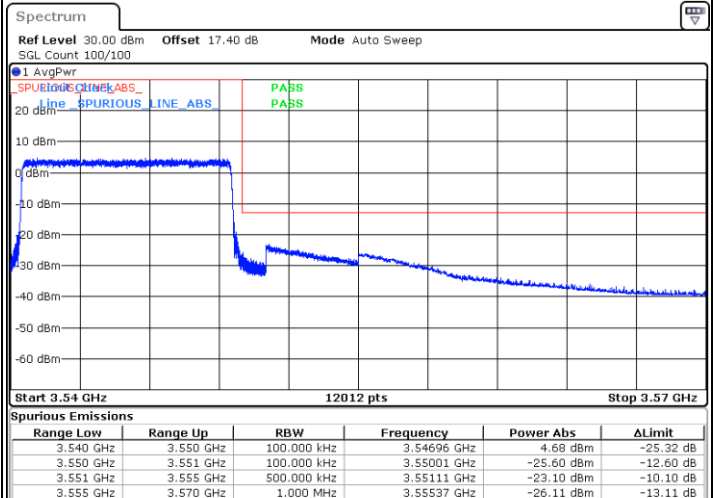


TE Band 42 / 10MHz / 16QAM

Lowest Band Edge / Full RB



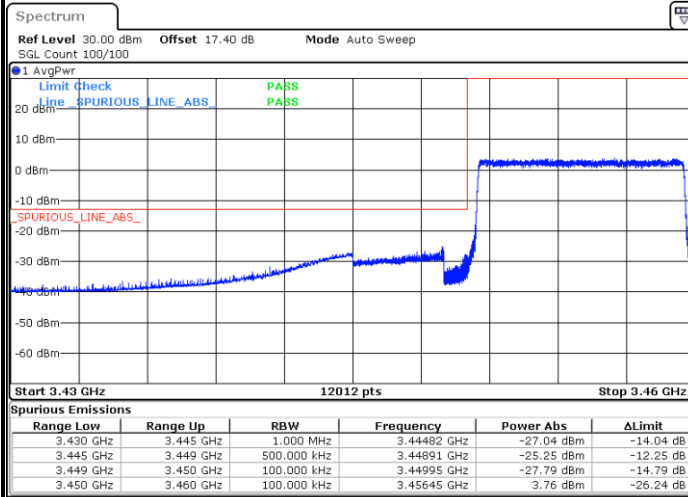
Highest Band Edge / Full RB



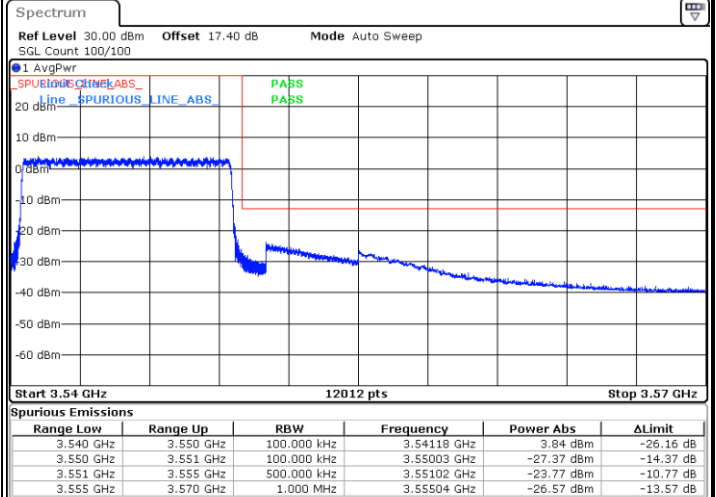


LTE Band 42 / 10MHz / 64QAM

Lowest Band Edge / Full RB

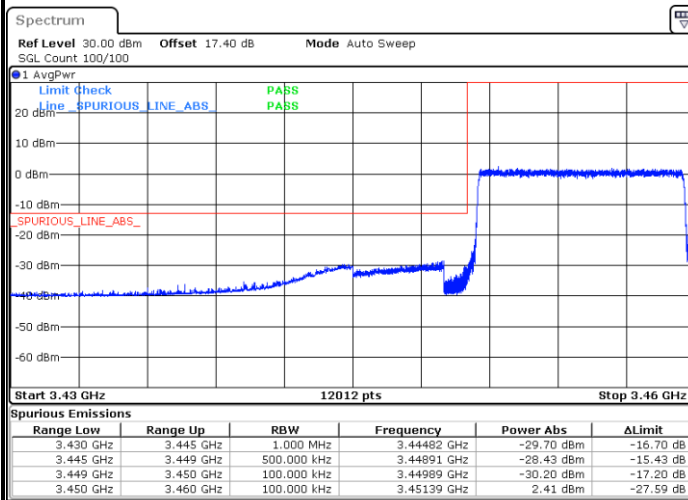


Highest Band Edge / Full RB

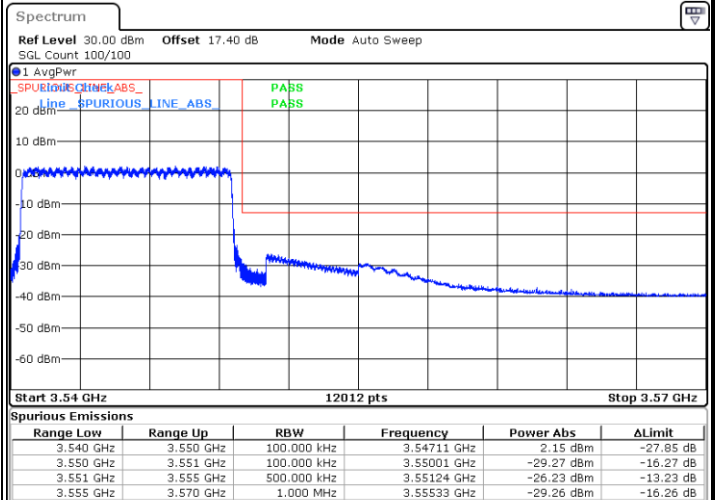


LTE Band 42 / 10MHz / 256QAM

Lowest Band Edge / Full RB



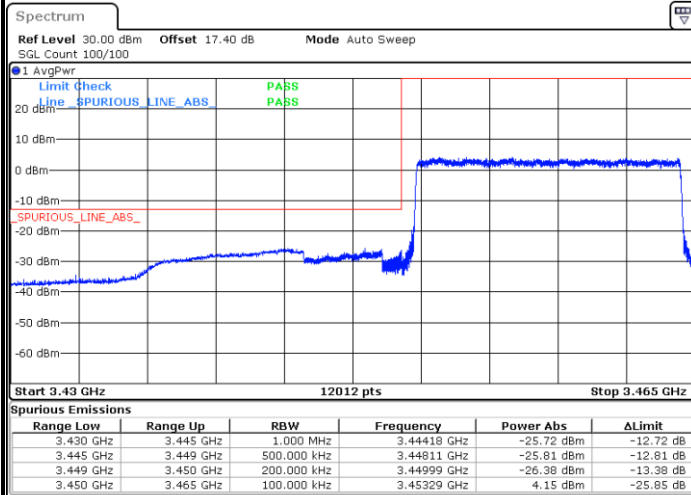
Highest Band Edge / Full RB



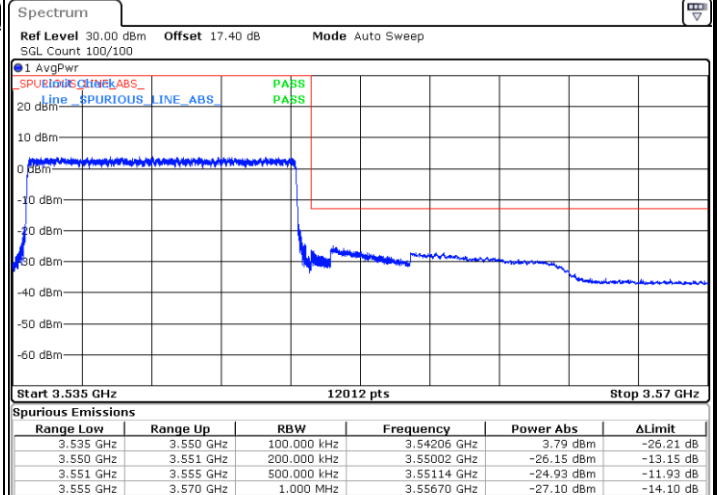


LTE Band 42 / 15MHz / QPSK

Lowest Band Edge / Full RB

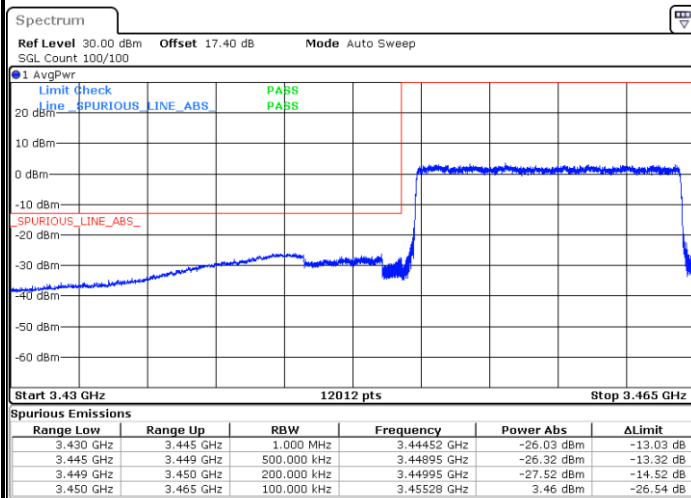


Highest Band Edge / Full RB

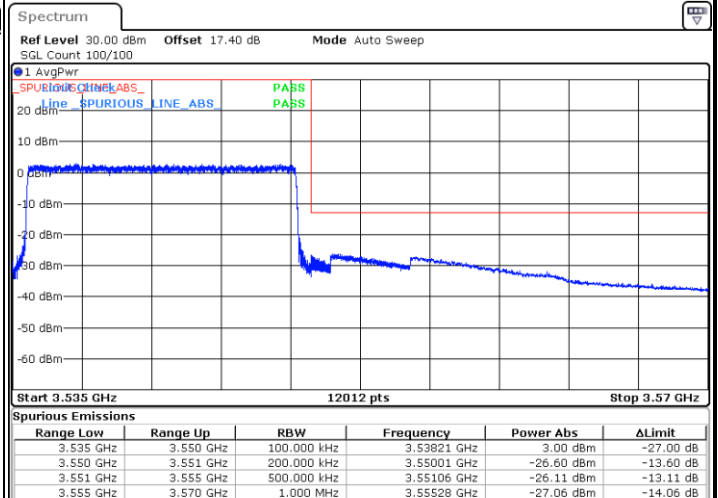


LTE Band 42 / 15MHz / 16QAM

Lowest Band Edge / Full RB



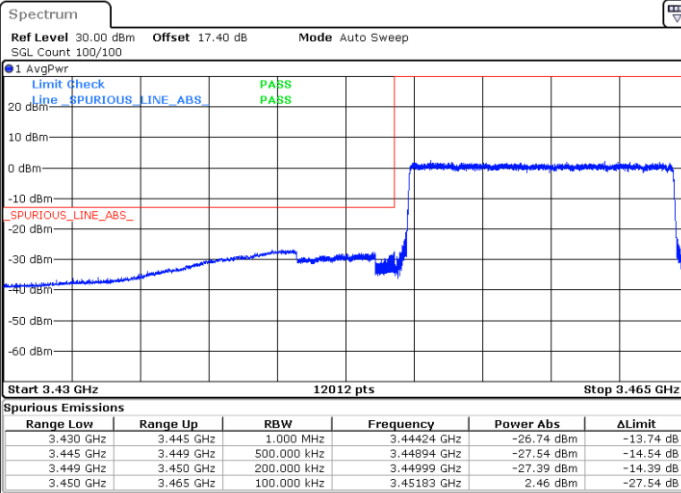
Highest Band Edge / Full RB



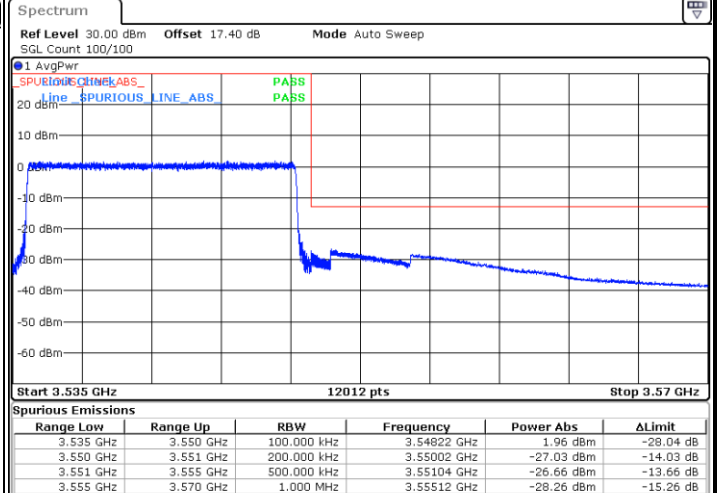


LTE Band 42 / 15MHz / 64QAM

Lowest Band Edge / Full RB

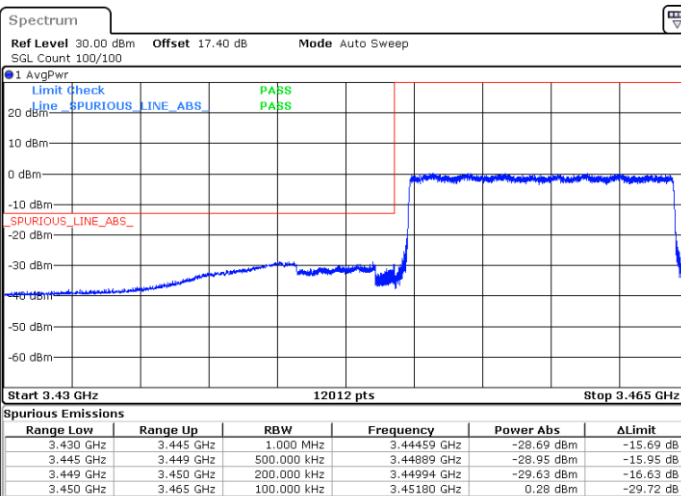


Highest Band Edge / Full RB

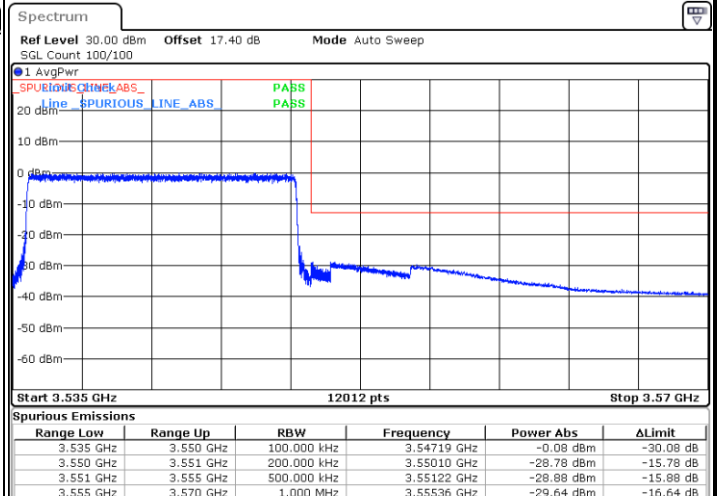


LTE Band 42 / 15MHz / 256QAM

Lowest Band Edge / Full RB



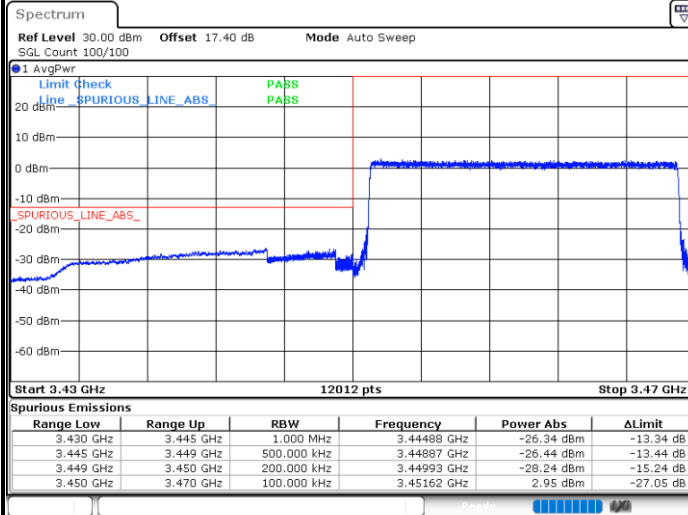
Highest Band Edge / Full RB





LTE Band 42 / 20MHz / QPSK

Lowest Band Edge / Full RB

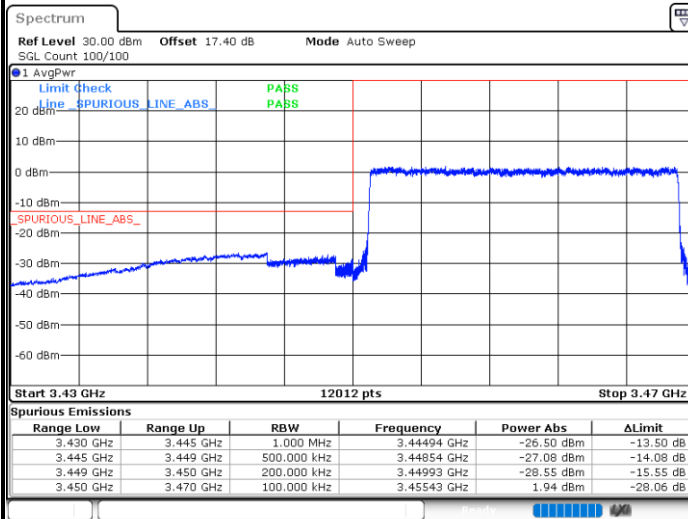


Highest Band Edge / Full RB

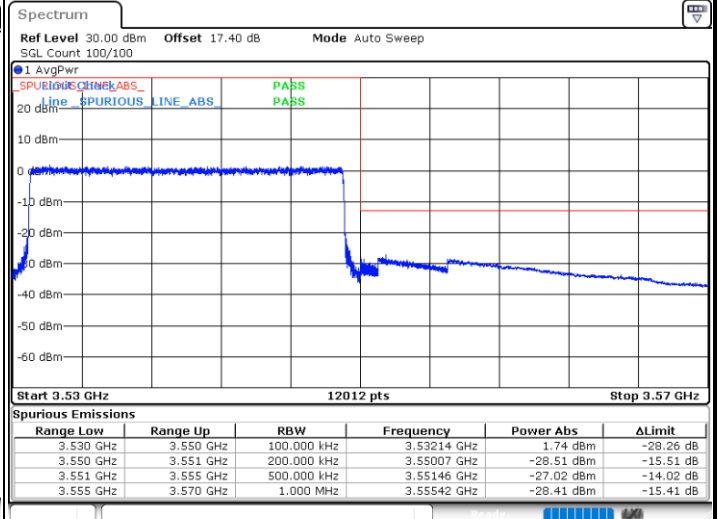


LTE Band 42 / 20MHz / 16QAM

Lowest Band Edge / Full RB



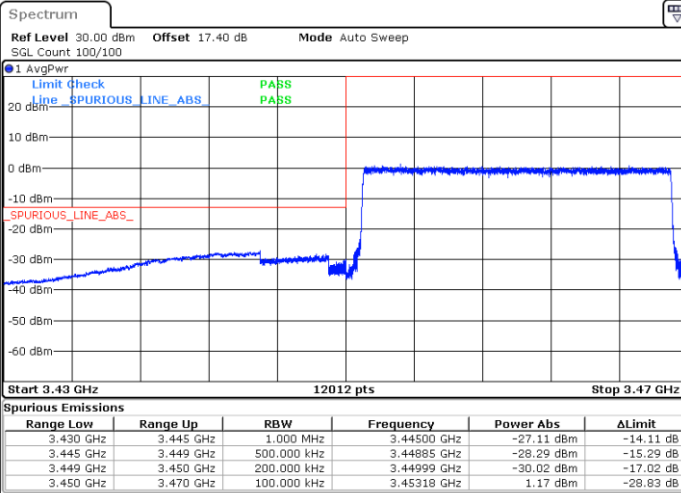
Highest Band Edge / Full RB



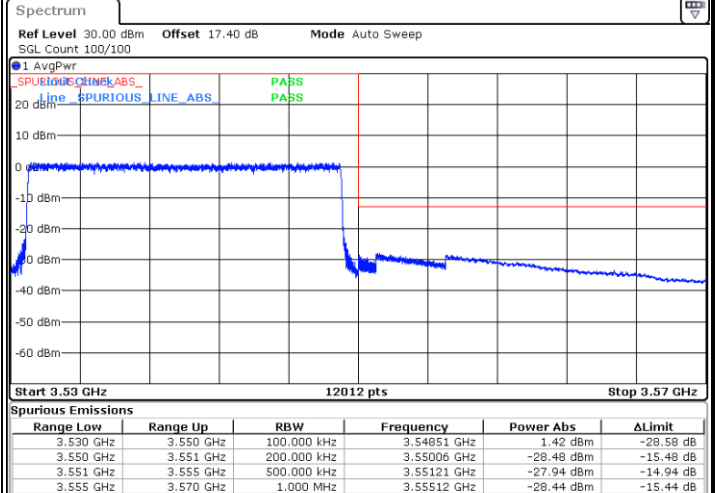


LTE Band 42 / 20MHz / 64QAM

Lowest Band Edge / Full RB

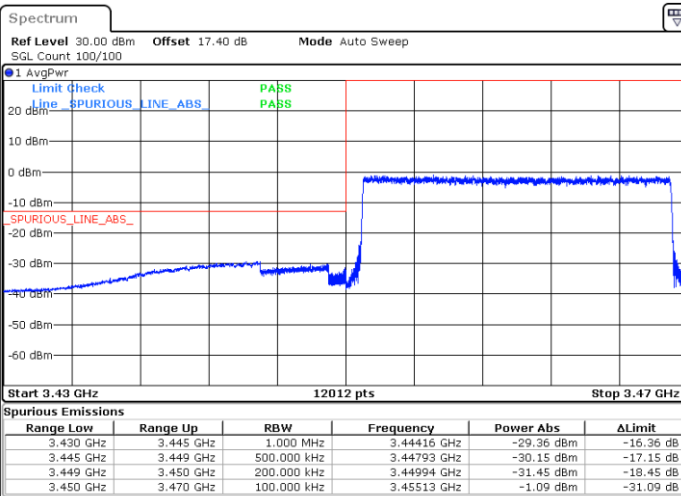


Highest Band Edge / Full RB

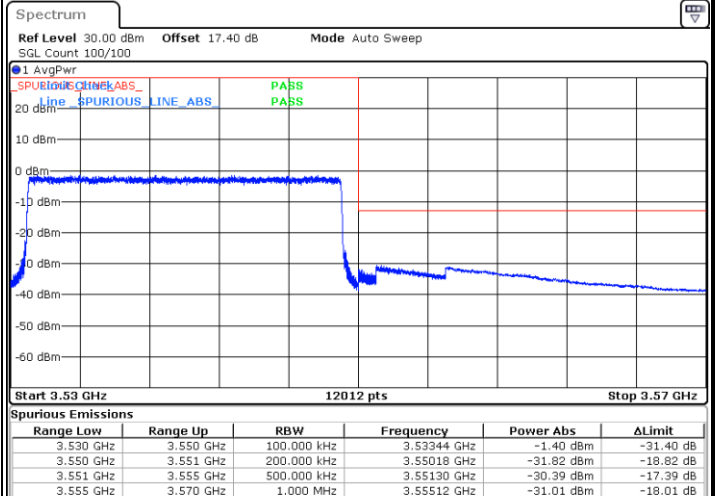


LTE Band 42 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

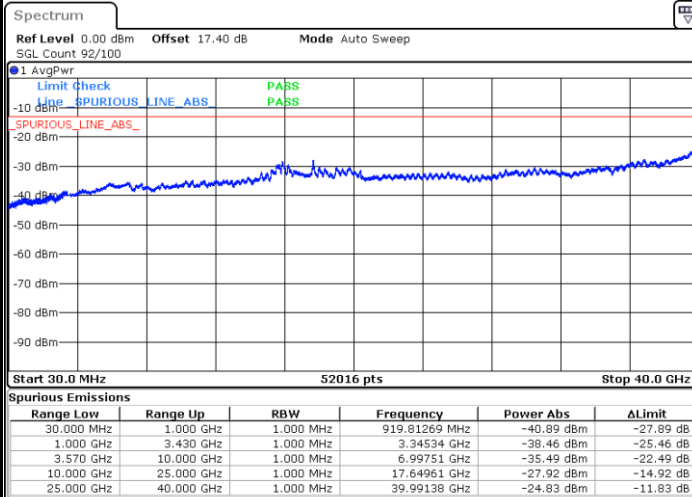




Conducted Spurious Emission

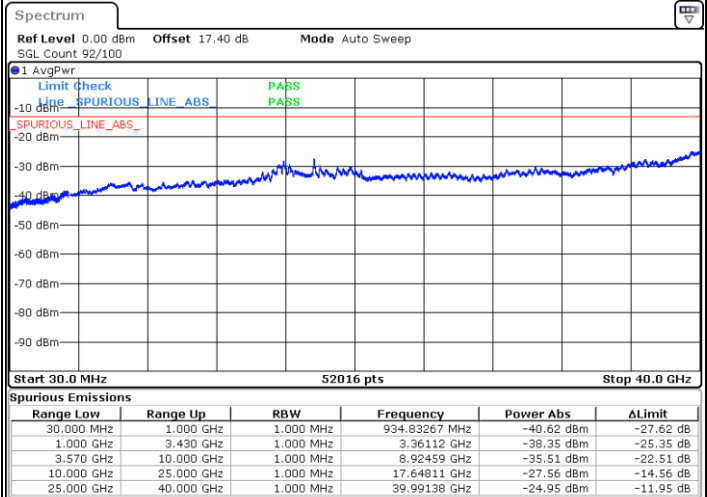
LTE Band 42 / 5MHz

Lowest Channel / QPSK



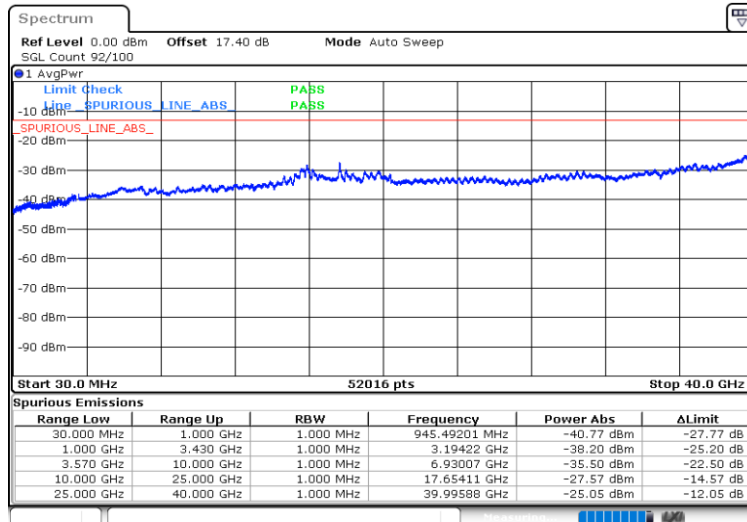
Date: 23.DEC.2024 17:41:43

Middle Channel / QPSK



Date: 23.DEC.2024 17:42:56

Highest Channel / QPSK

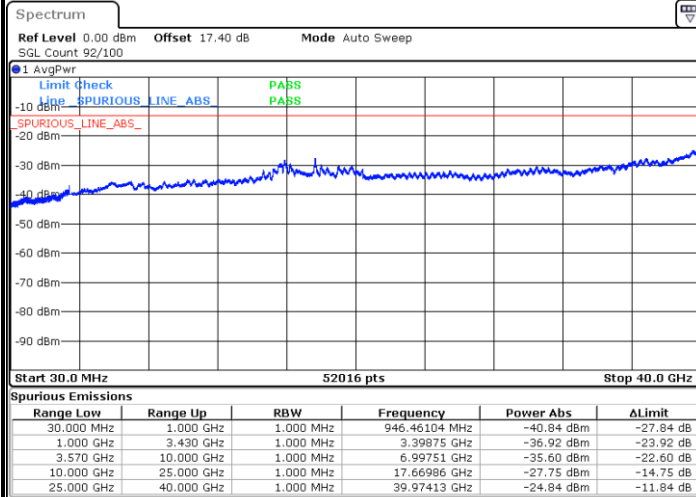


Date: 23.DEC.2024 17:44:08



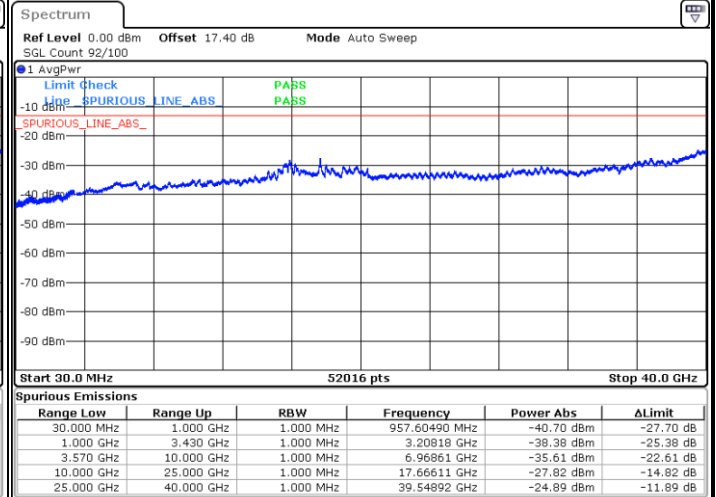
LTE Band 42 / 10MHz

Lowest Channel / QPSK



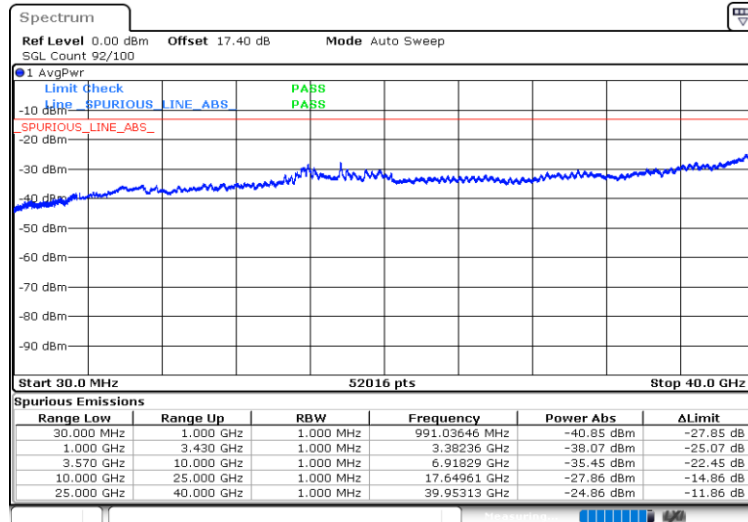
Date: 23.DEC.2024 17:45:21

Middle Channel / QPSK



Date: 23.DEC.2024 17:46:33

Highest Channel / QPSK

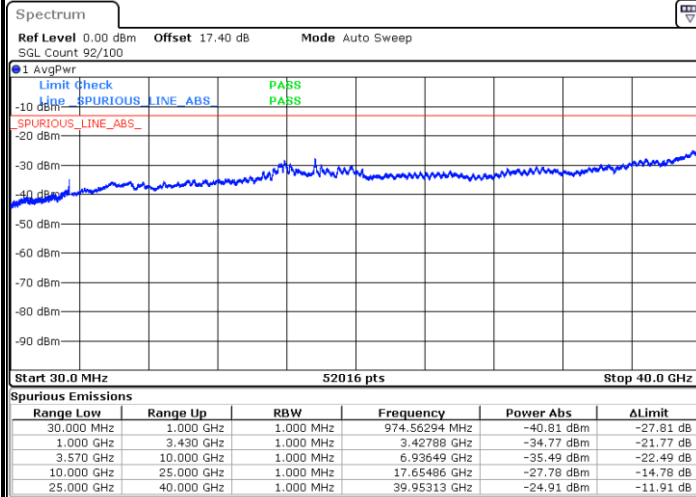


Date: 23.DEC.2024 17:47:45



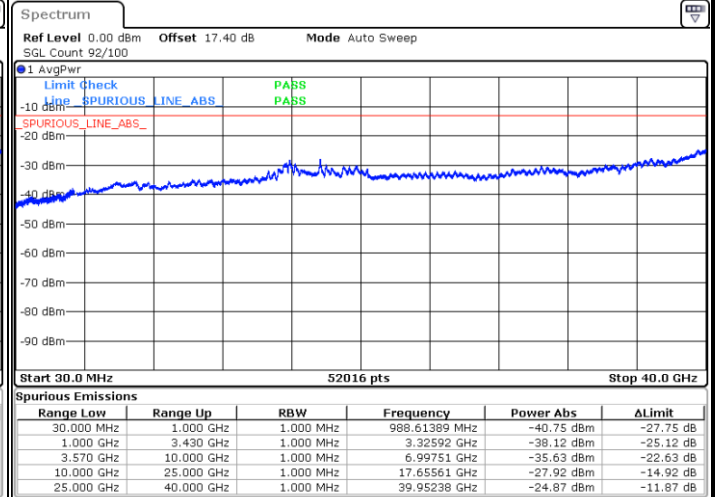
LTE Band 42 / 15MHz

Lowest Channel / QPSK



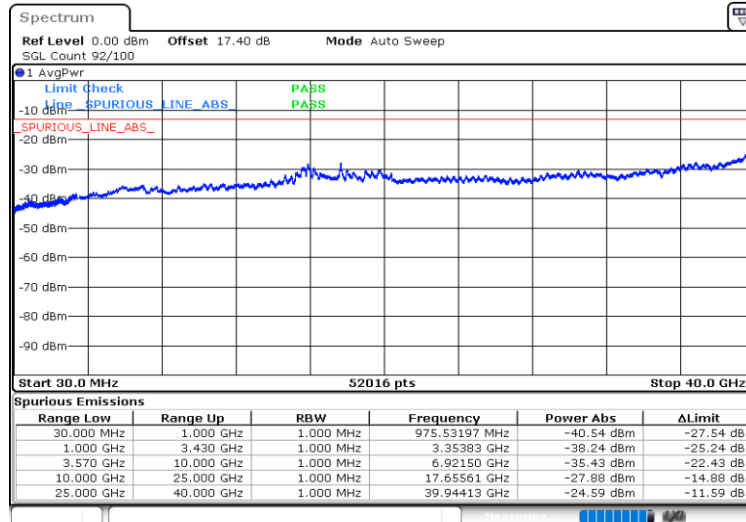
Date: 23.DEC.2024 17:48:59

Middle Channel / QPSK



Date: 23.DEC.2024 17:50:11

Highest Channel / QPSK

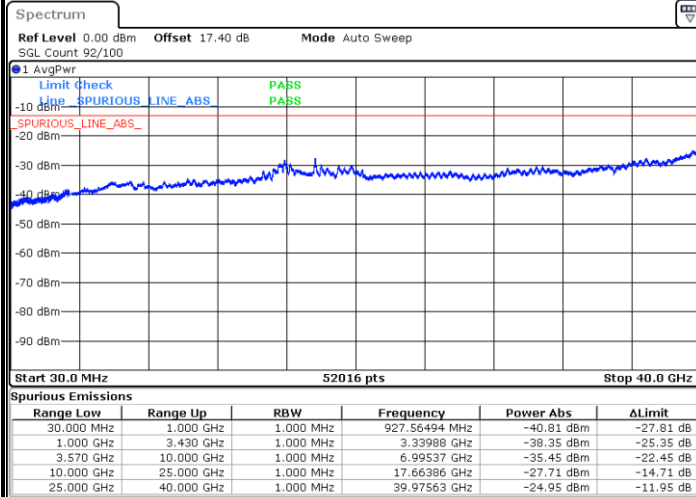


Date: 23.DEC.2024 17:51:23



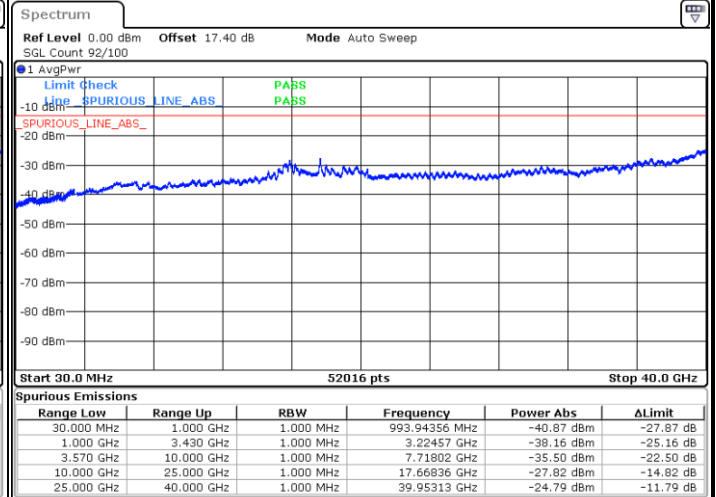
LTE Band 42 / 20MHz

Lowest Channel / QPSK



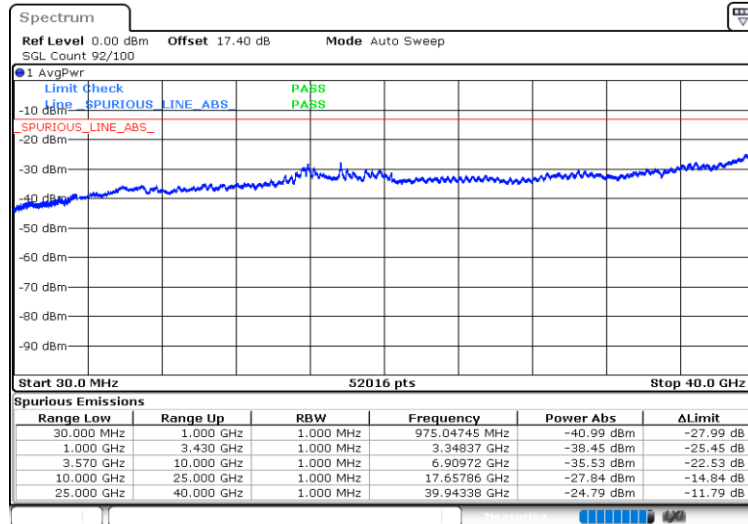
Date: 23.DEC.2024 17:52:36

Middle Channel / QPSK



Date: 23.DEC.2024 17:53:48

Highest Channel / QPSK



Date: 23.DEC.2024 17:55:01

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0010	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0020	

Note:

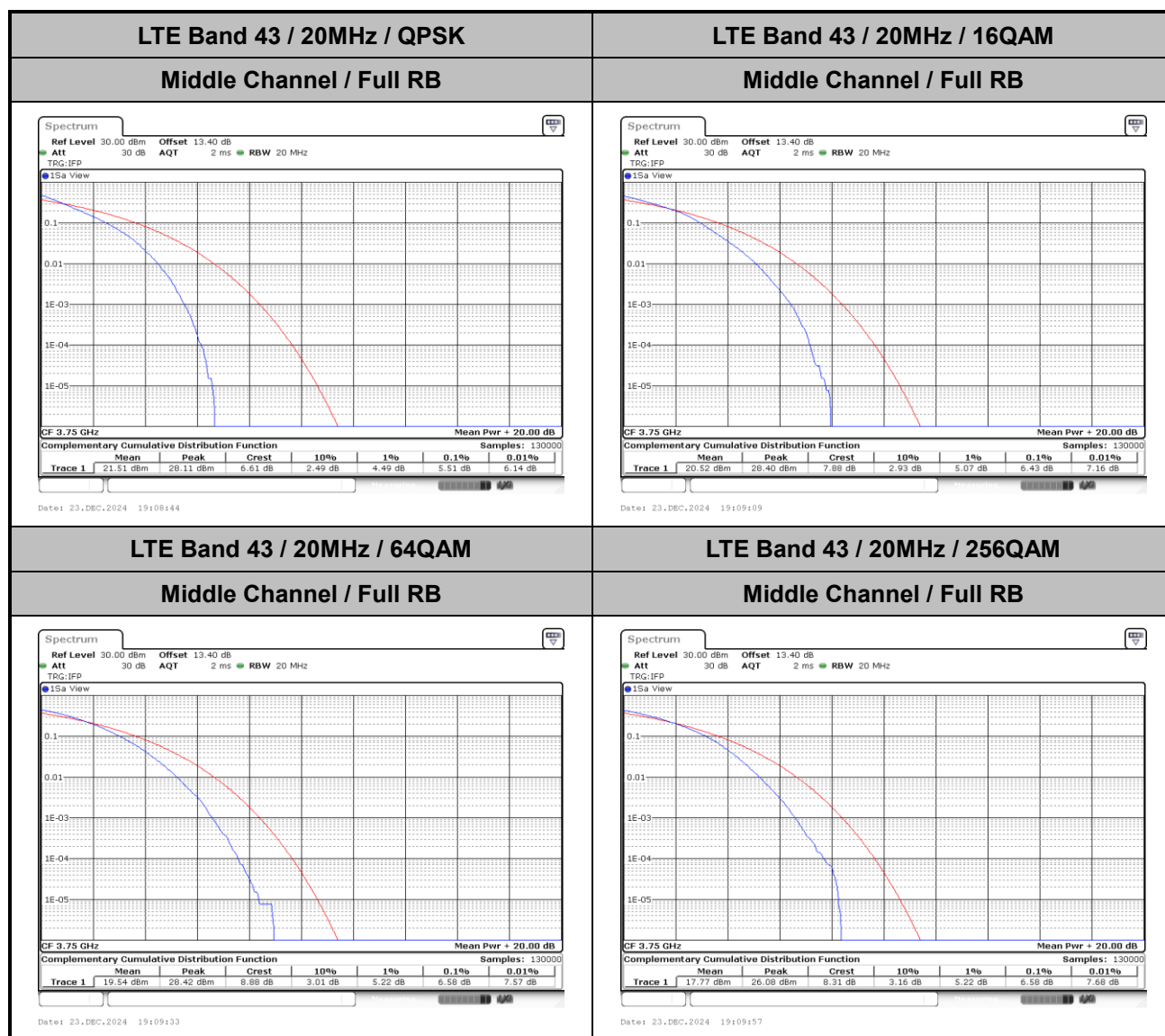
1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 43

Peak-to-Average Ratio

Mode	LTE Band 43 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.43	6.58	6.58	PASS



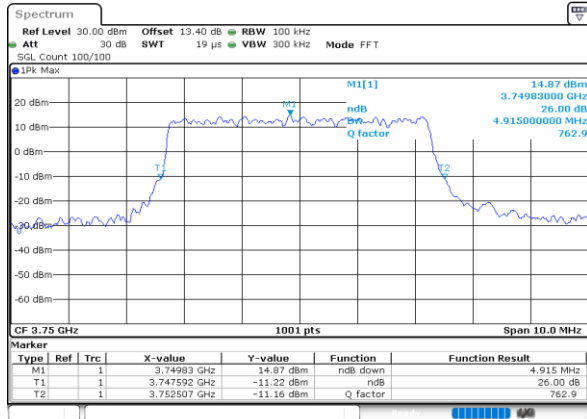
**26dB Bandwidth**

Mode	LTE Band 43 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.91	5.01	10.00	9.76	14.65	14.71	18.94	18.66
Mode	LTE Band 43 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.96	4.93	9.78	9.75	14.68	14.29	19.38	18.70

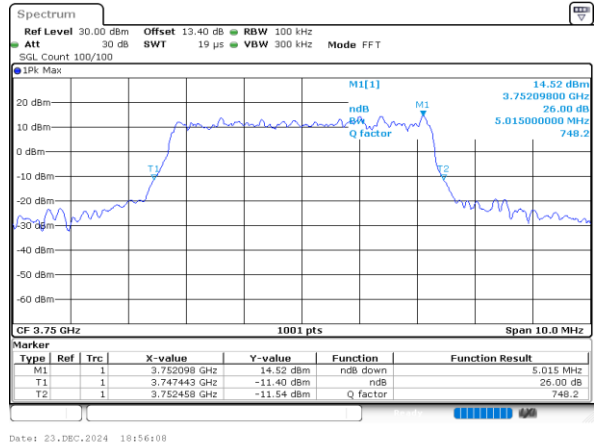


LTE Band 43

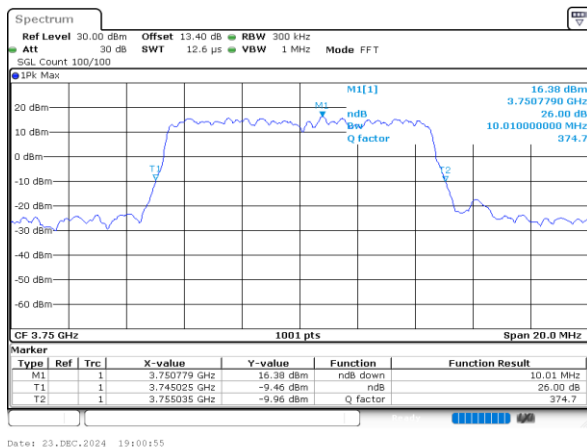
Middle Channel / 5MHz / QPSK



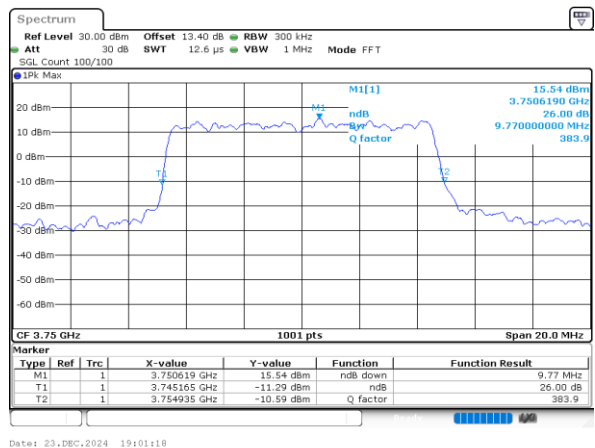
Middle Channel / 5MHz / 16QAM



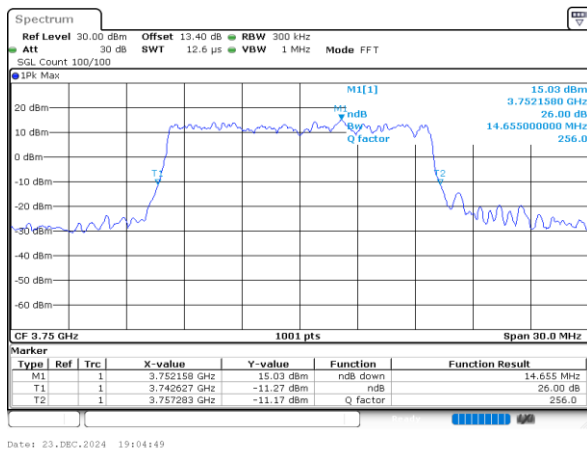
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM

