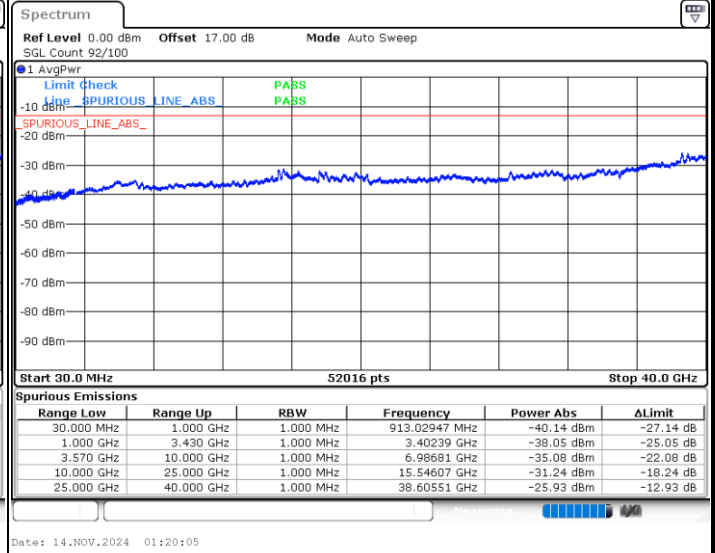
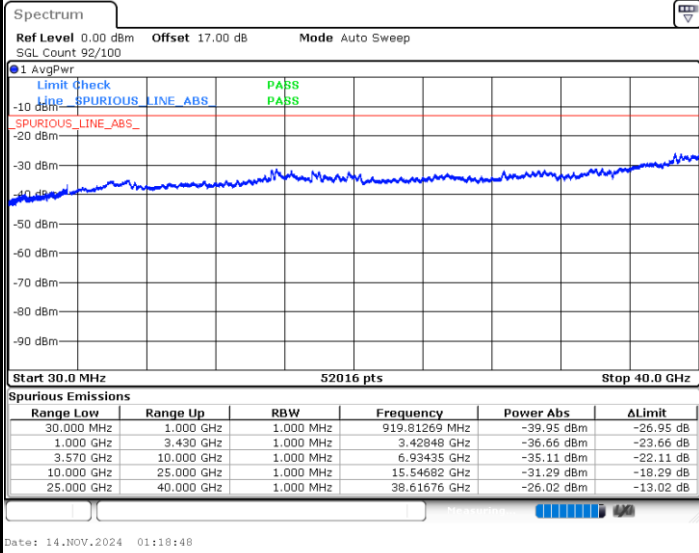




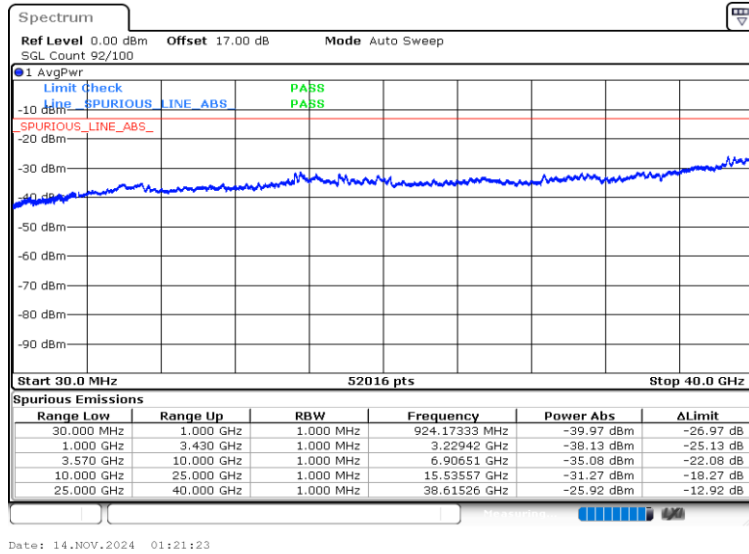
LTE Band 42 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

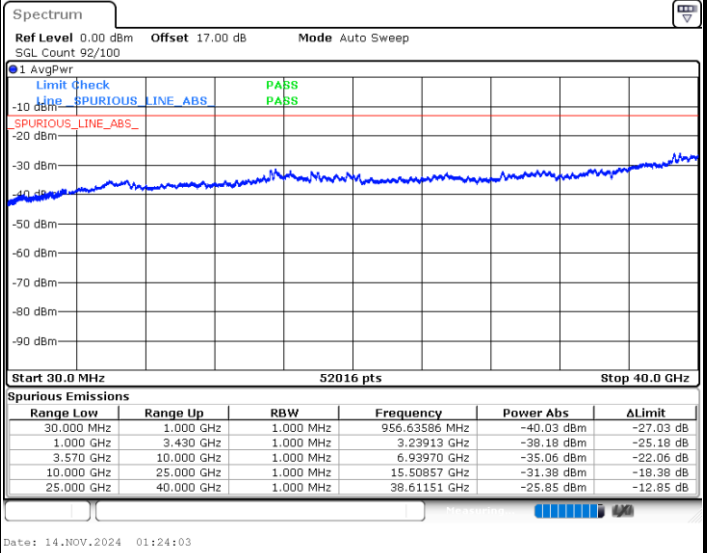
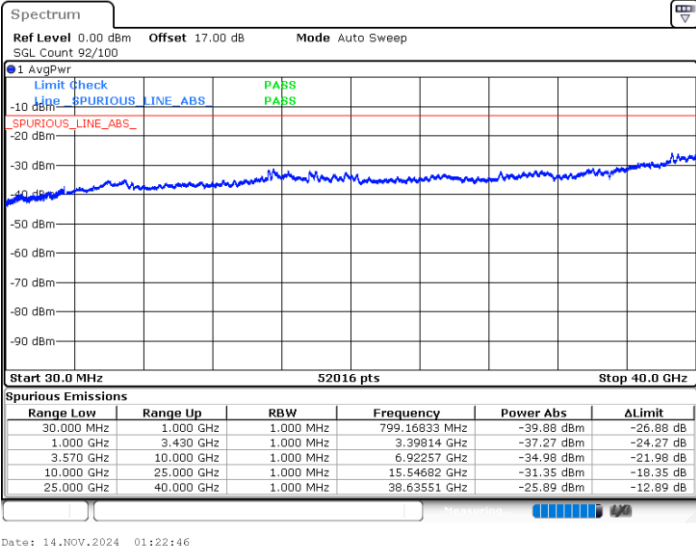




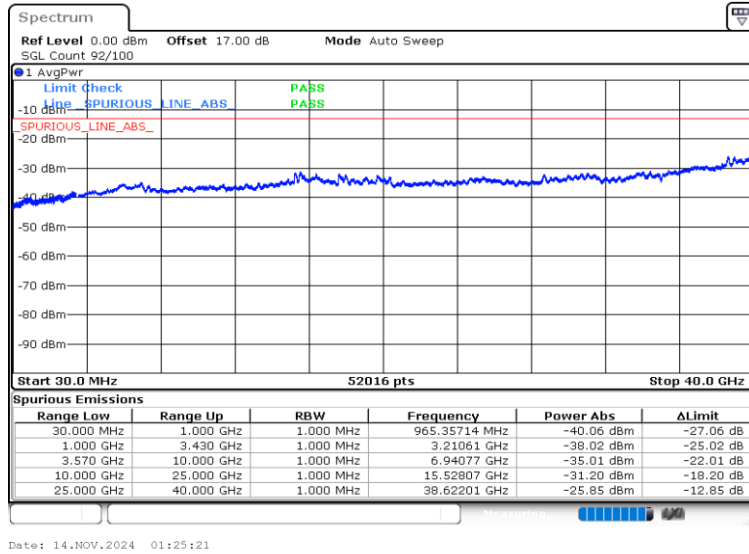
LTE Band 42 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### 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	0.0015	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0009	

**Note:**

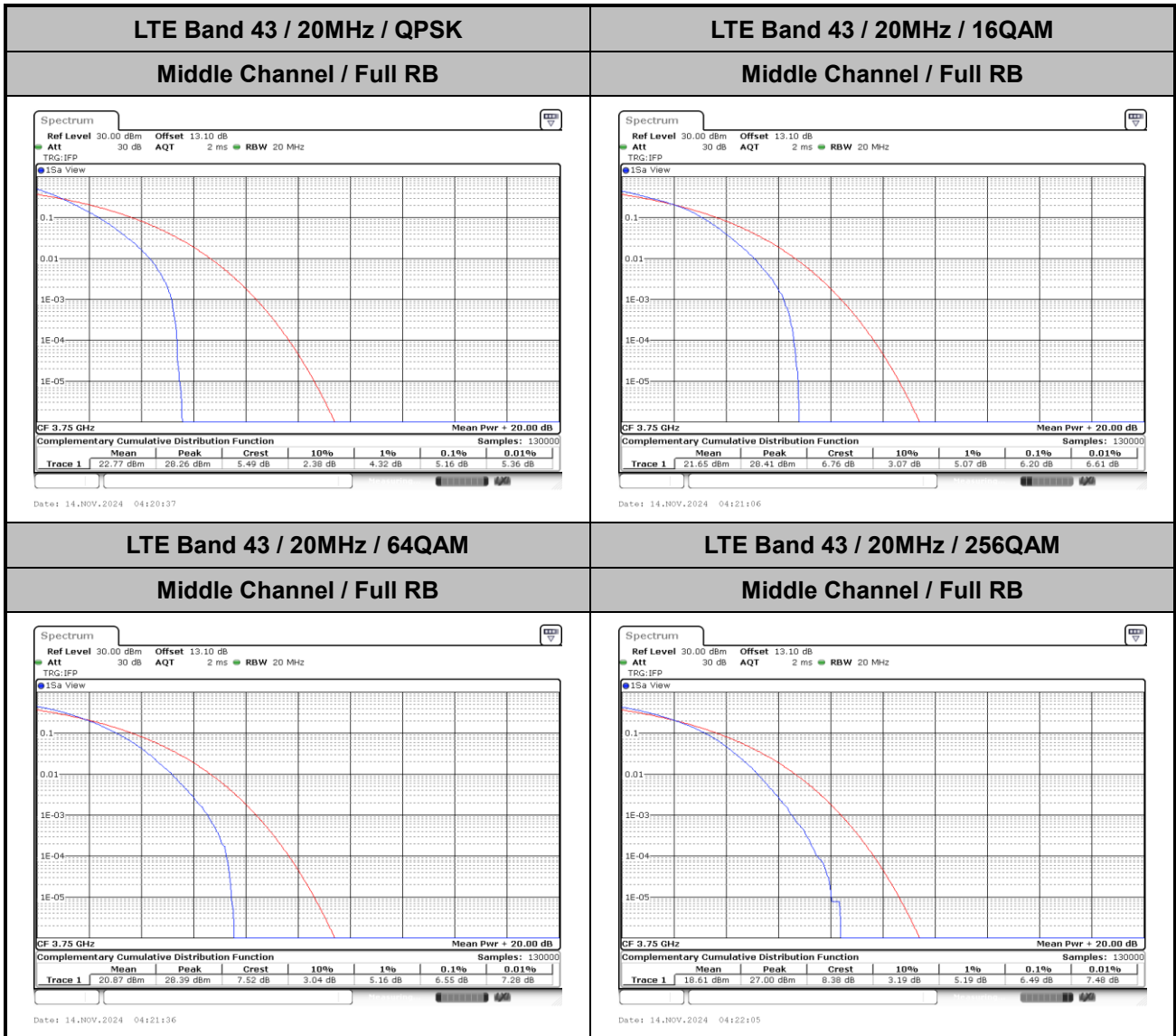
- 1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# 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	5.16	6.20	6.55	6.49	PASS





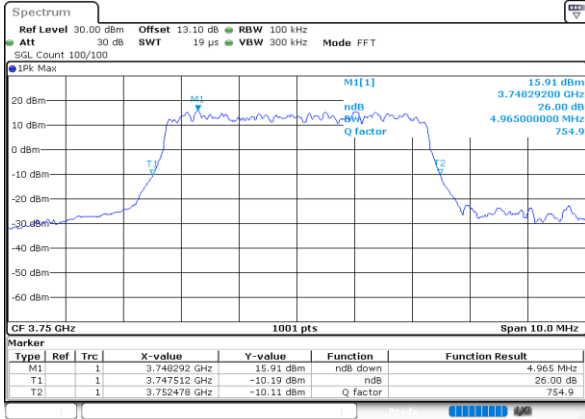
**26dB Bandwidth**

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	-	-	-	-	4.96	4.89	9.75	10.16	14.44	14.17	18.62	19.02
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	-	-	-	-	5.17	5.10	9.68	9.66	14.14	14.56	18.66	19.06



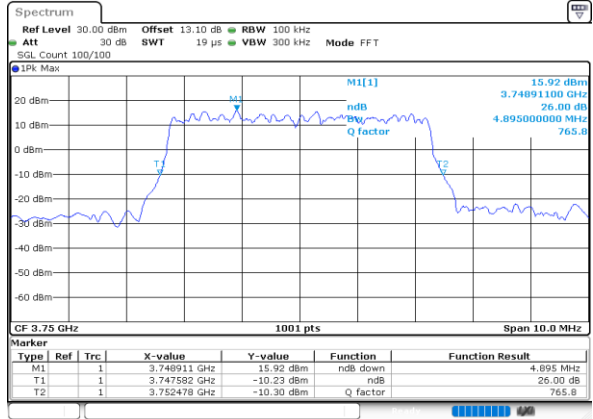
LTE Band 43

Middle Channel / 5MHz / QPSK



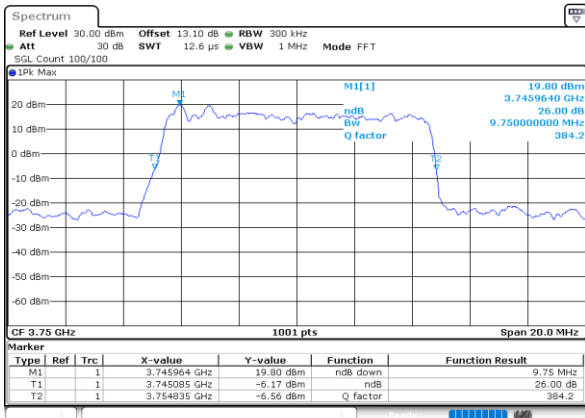
Date: 14.NOV.2024 04:12:43

Middle Channel / 5MHz / 16QAM



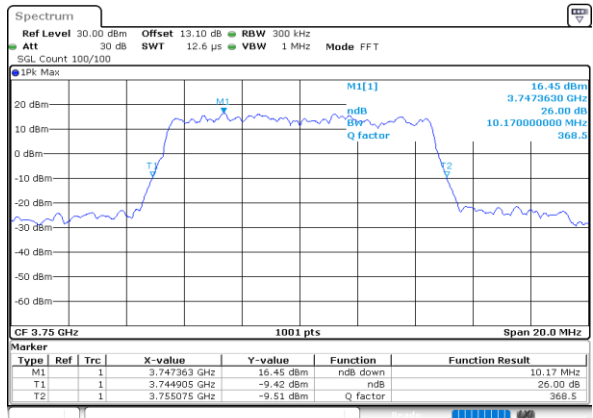
Date: 14.NOV.2024 04:13:11

Middle Channel / 10MHz / QPSK



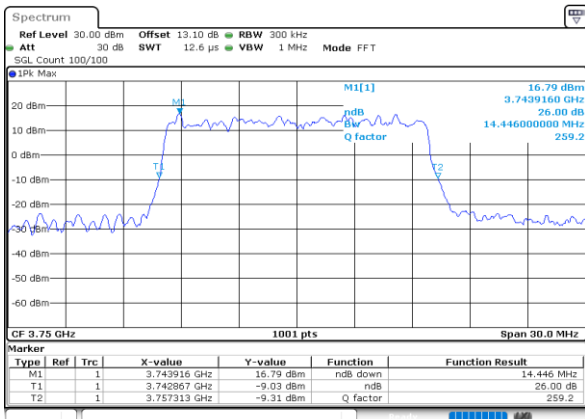
Date: 14.NOV.2024 04:14:42

Middle Channel / 10MHz / 16QAM



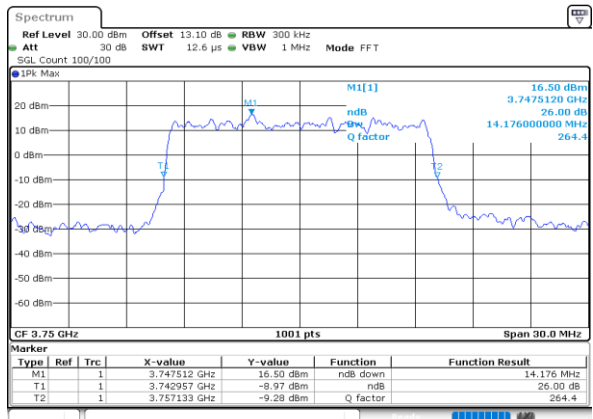
Date: 14.NOV.2024 04:15:10

Middle Channel / 15MHz / QPSK



Date: 14.NOV.2024 04:16:40

Middle Channel / 15MHz / 16QAM

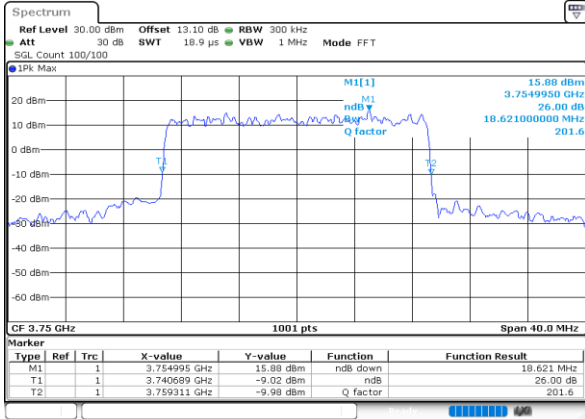


Date: 14.NOV.2024 04:17:09



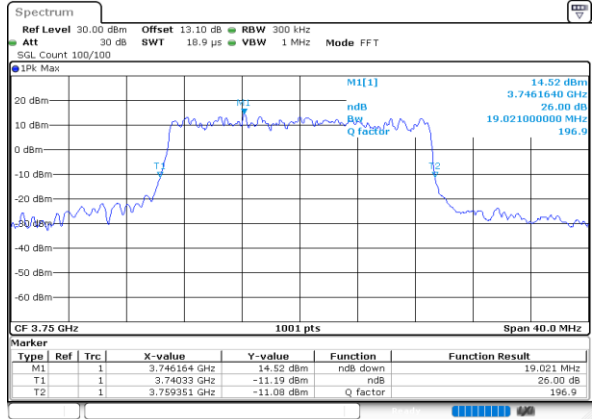
LTE Band 43

Middle Channel / 20MHz / QPSK



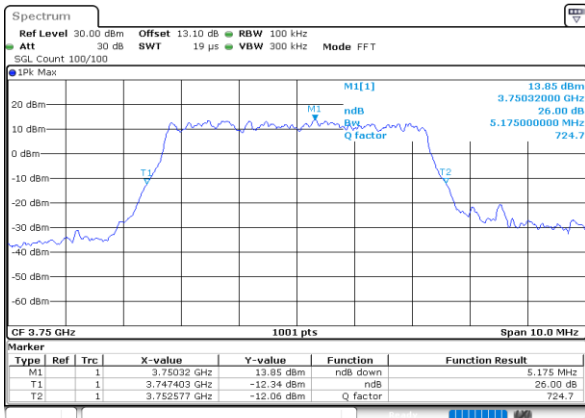
Date: 14.NOV.2024 04:18:39

Middle Channel / 20MHz / 16QAM



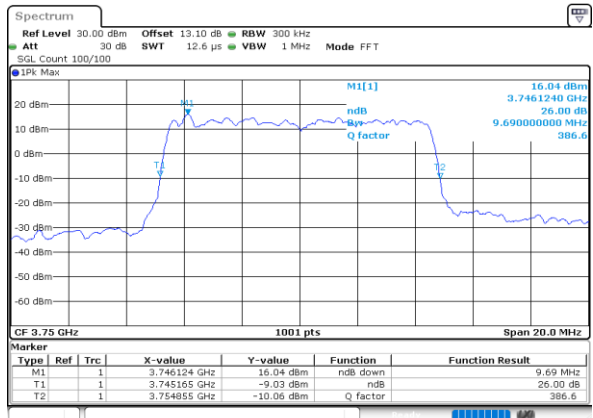
Date: 14.NOV.2024 04:19:07

Middle Channel / 5MHz / 64QAM



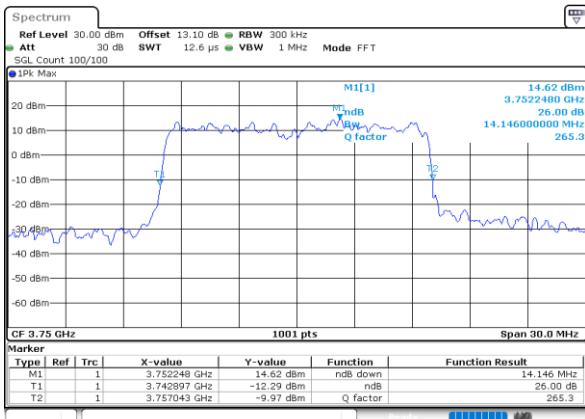
Date: 14.NOV.2024 04:13:40

Middle Channel / 10MHz / 64QAM



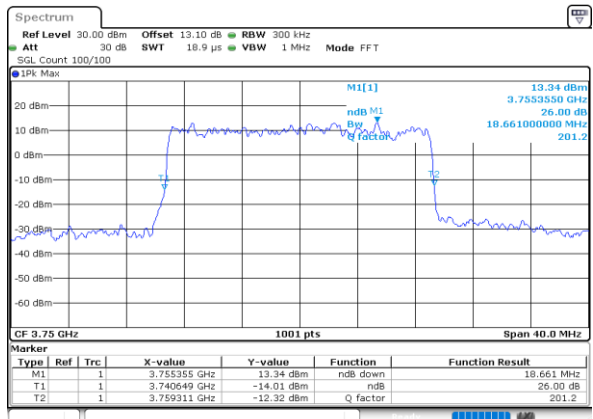
Date: 14.NOV.2024 04:15:39

Middle Channel / 15MHz / 64QAM



Date: 14.NOV.2024 04:17:37

Middle Channel / 20MHz / 64QAM

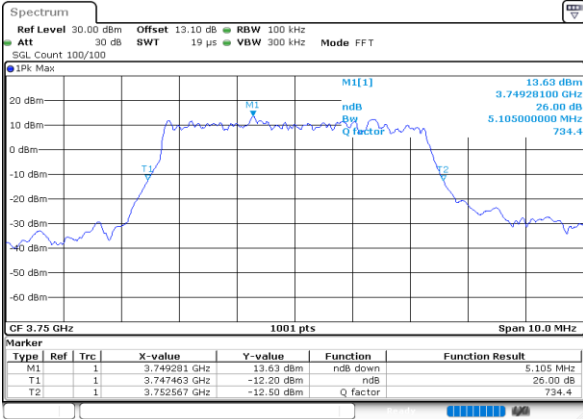


Date: 14.NOV.2024 04:19:36



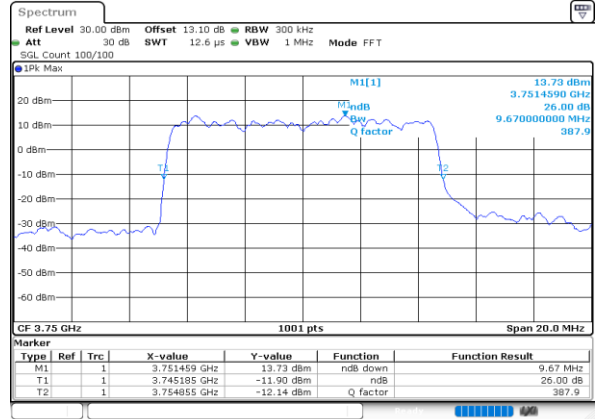
LTE Band 43

Middle Channel / 5MHz / 256QAM



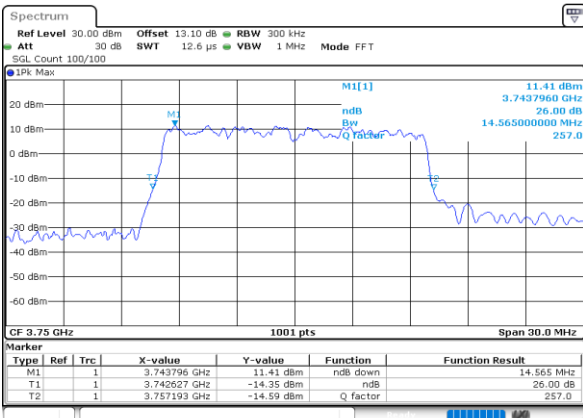
Date: 14.NOV.2024 04:14:08

Middle Channel / 10MHz / 256QAM



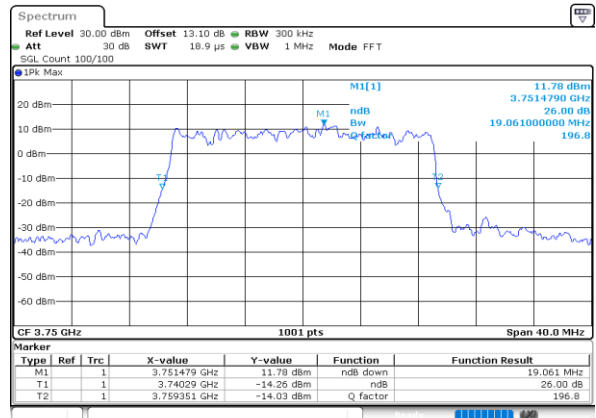
Date: 14.NOV.2024 04:16:07

Middle Channel / 15MHz / 256QAM



Date: 14.NOV.2024 04:18:06

Middle Channel / 20MHz / 256QAM



Date: 14.NOV.2024 04:20:05





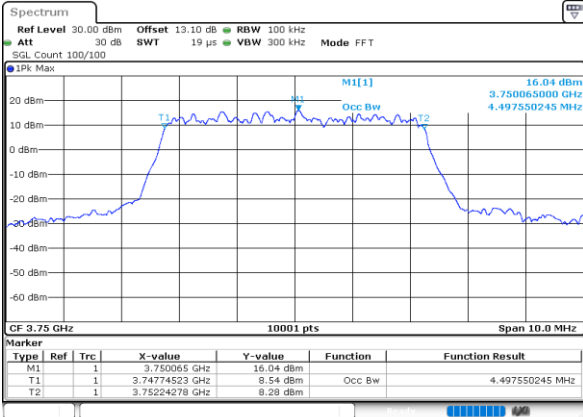
### Occupied Bandwidth

Mode	LTE Band 43 : 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	-	-	-	-	4.49	4.47	9.17	9.04	13.41	13.42	17.82	17.77
Mode	LTE Band 43 : 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	-	-	-	-	4.49	4.46	9.04	8.98	13.46	13.53	17.98	17.93



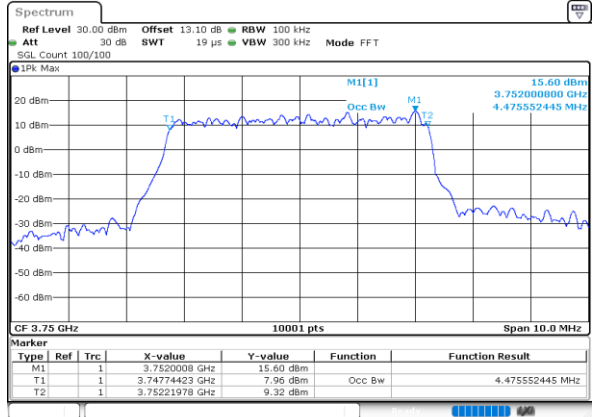
LTE Band 43

Middle Channel / 5MHz / QPSK



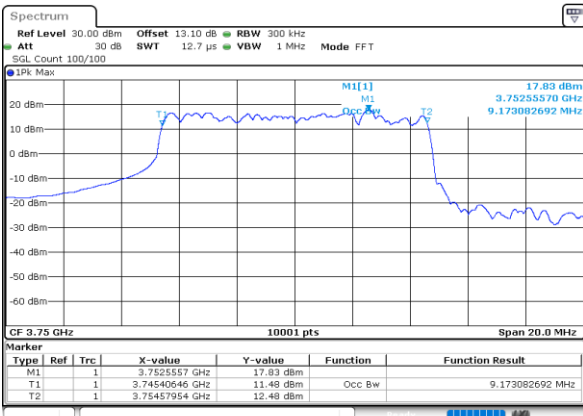
Date: 14.NOV.2024 04:04:46

Middle Channel / 5MHz / 16QAM



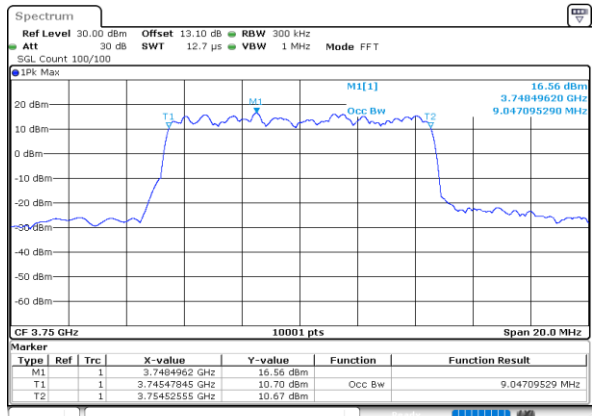
Date: 14.NOV.2024 04:05:15

Middle Channel / 10MHz / QPSK



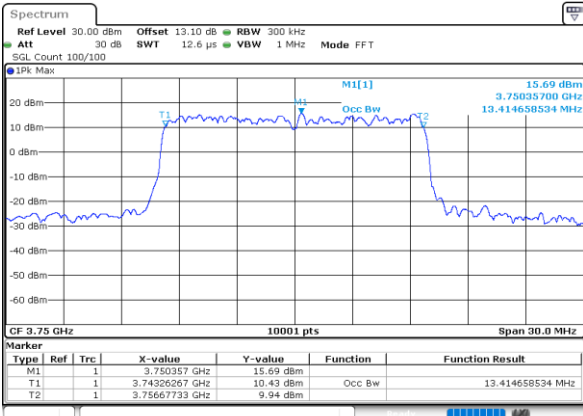
Date: 14.NOV.2024 04:06:46

Middle Channel / 10MHz / 16QAM



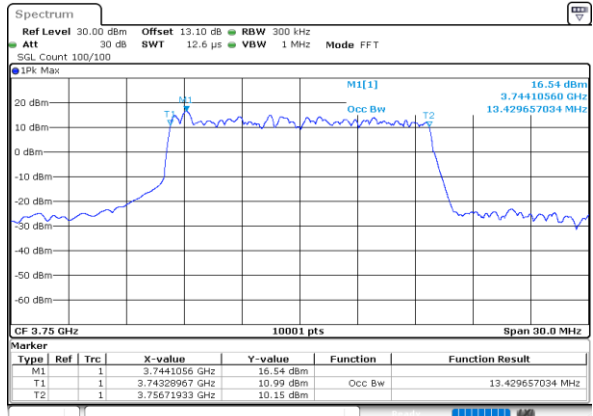
Date: 14.NOV.2024 04:07:14

Middle Channel / 15MHz / QPSK



Date: 14.NOV.2024 04:08:45

Middle Channel / 15MHz / 16QAM

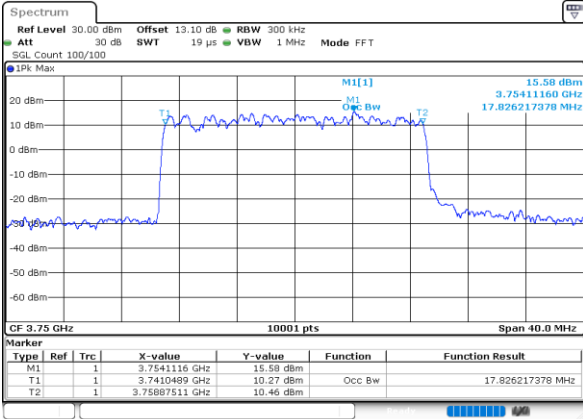


Date: 14.NOV.2024 04:09:13



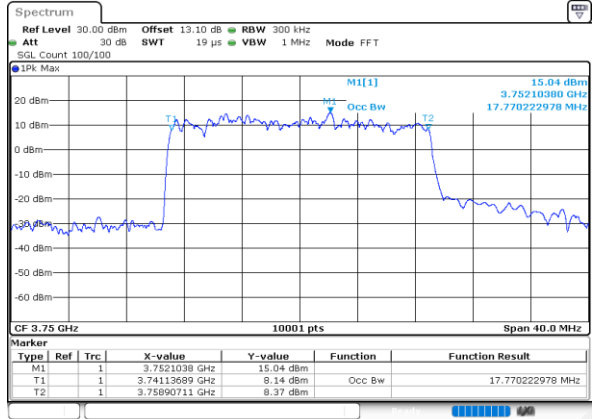
LTE Band 43

Middle Channel / 20MHz / QPSK



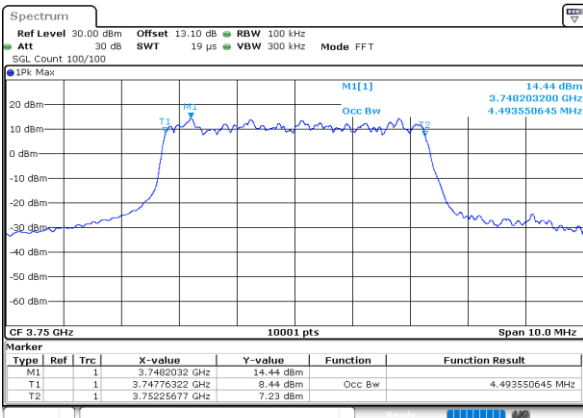
Date: 14.NOV.2024 04:10:44

Middle Channel / 20MHz / 16QAM



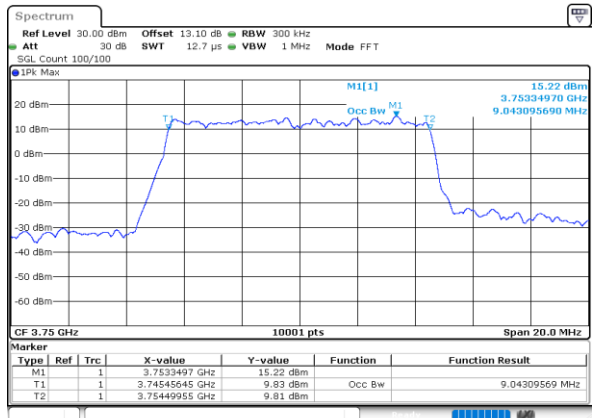
Date: 14.NOV.2024 04:11:12

Middle Channel / 5MHz / 64QAM



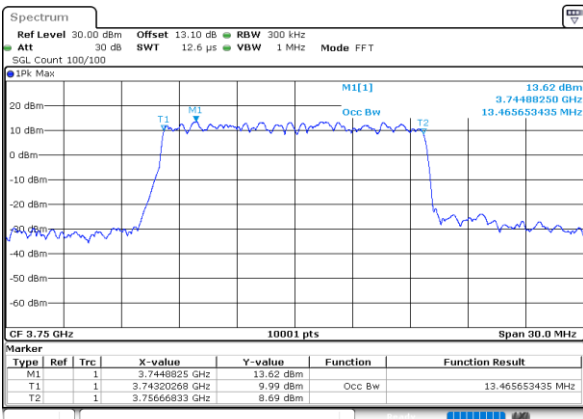
Date: 14.NOV.2024 04:05:43

Middle Channel / 10MHz / 64QAM



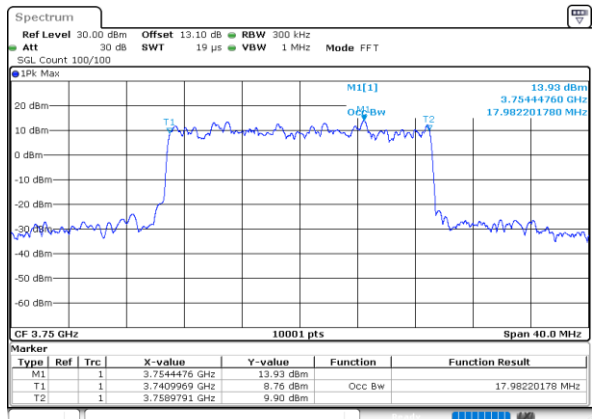
Date: 14.NOV.2024 04:07:43

Middle Channel / 15MHz / 64QAM



Date: 14.NOV.2024 04:09:42

Middle Channel / 20MHz / 64QAM

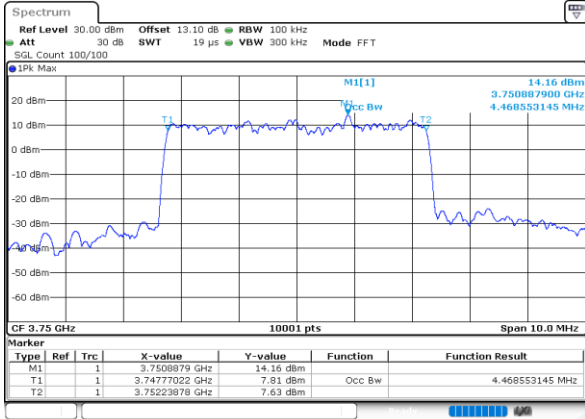


Date: 14.NOV.2024 04:11:41



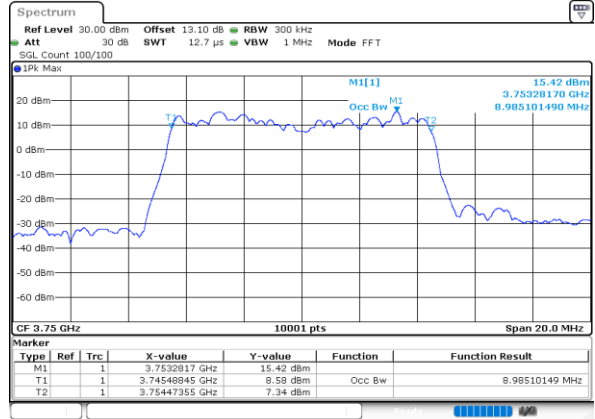
LTE Band 43

Middle Channel / 5MHz / 256QAM



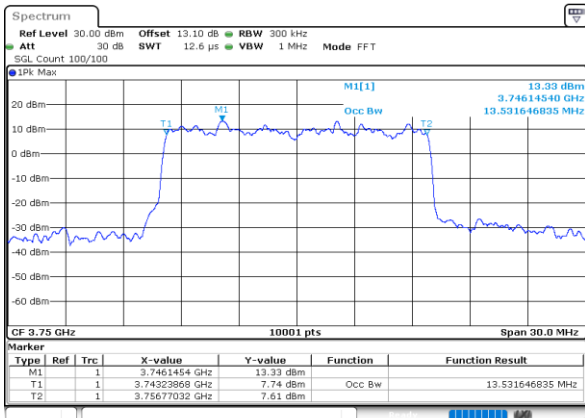
Date: 14.NOV.2024 04:06:12

Middle Channel / 10MHz / 256QAM



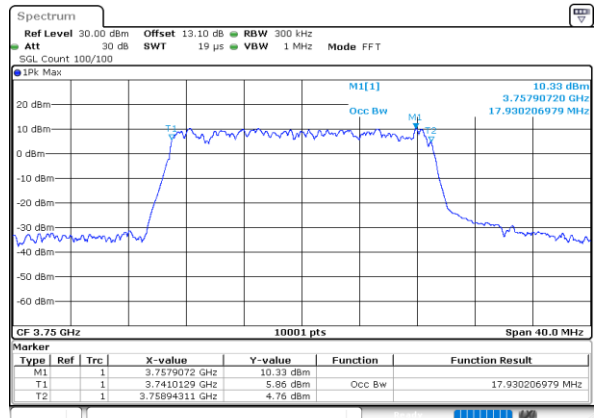
Date: 14.NOV.2024 04:08:11

Middle Channel / 15MHz / 256QAM



Date: 14.NOV.2024 04:10:10

Middle Channel / 20MHz / 256QAM



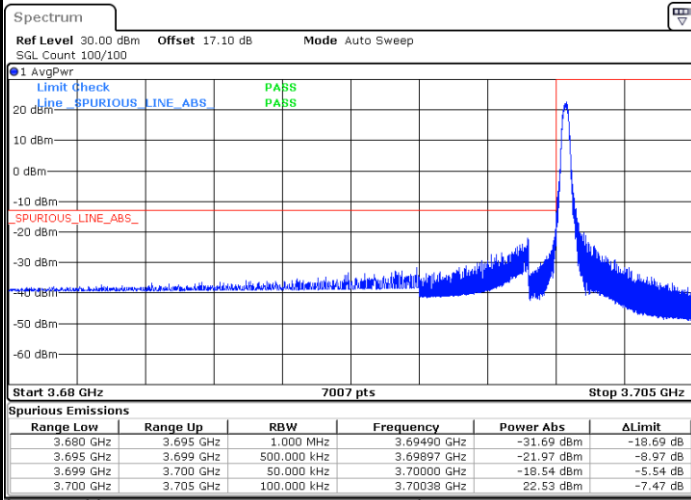
Date: 14.NOV.2024 04:12:09



# Conducted Band Edge

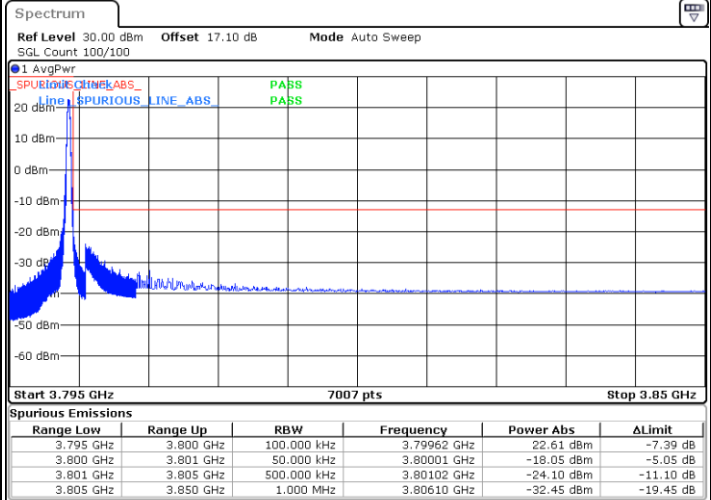
## LTE Band 43 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



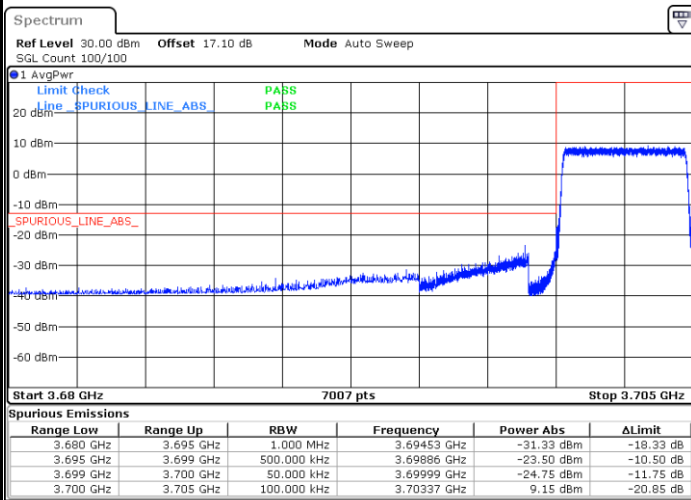
Date: 14.NOV.2024 03:19:44

### Highest Band Edge / 1 RB



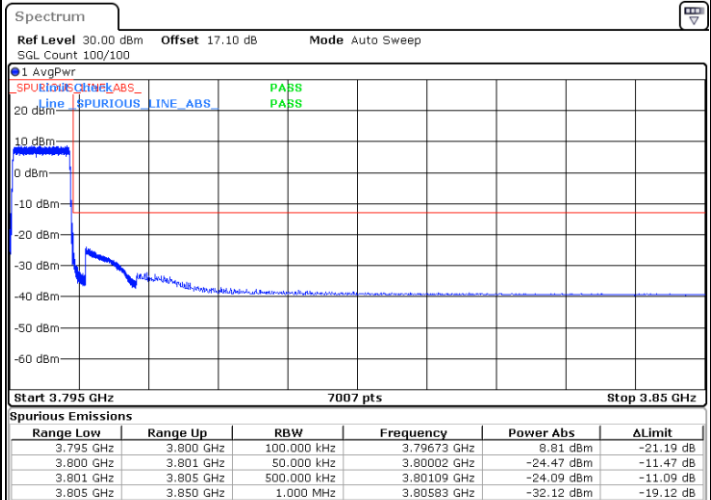
Date: 14.NOV.2024 03:28:51

### Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:24:17

### Highest Band Edge / Full RB

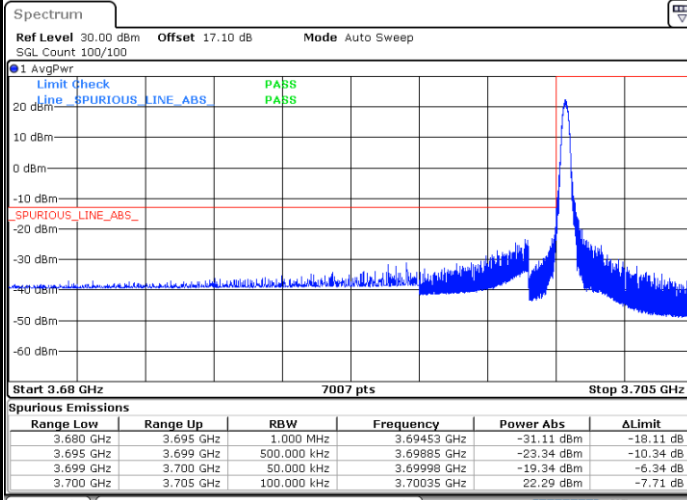


Date: 14.NOV.2024 03:33:24



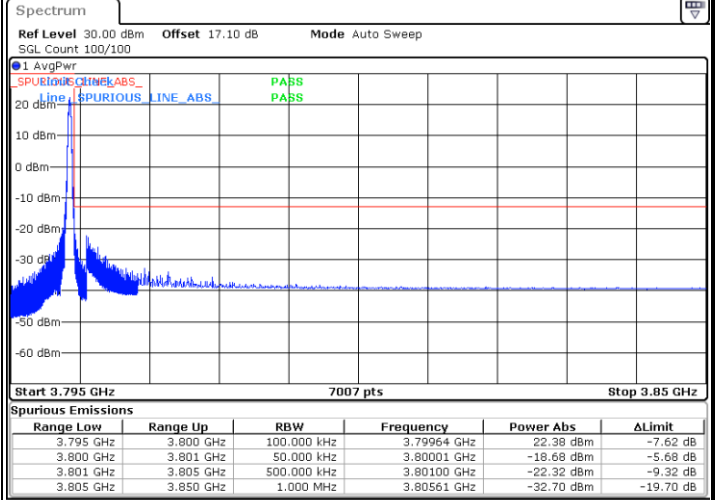
LTE Band 43 / 5MHz / 16QAM

Lowest Band Edge / 1RB



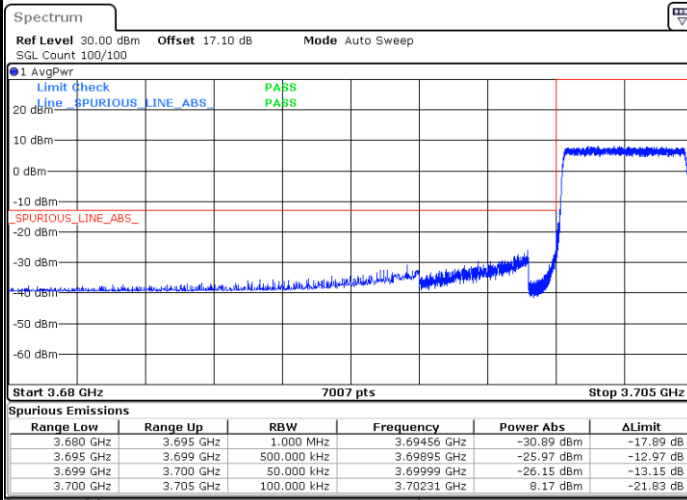
Date: 14.NOV.2024 03:20:52

Highest Band Edge / 1 RB



Date: 14.NOV.2024 03:29:58

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:25:25

Highest Band Edge / Full RB

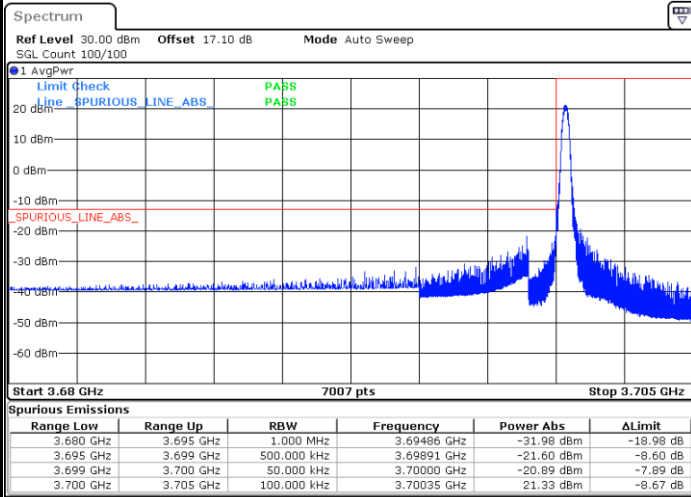


Date: 14.NOV.2024 03:34:31



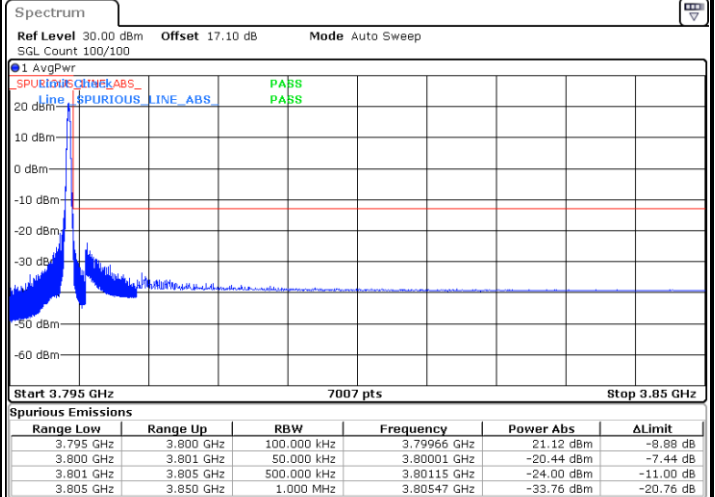
LTE Band 43 / 5MHz / 64QAM

Lowest Band Edge / 1RB



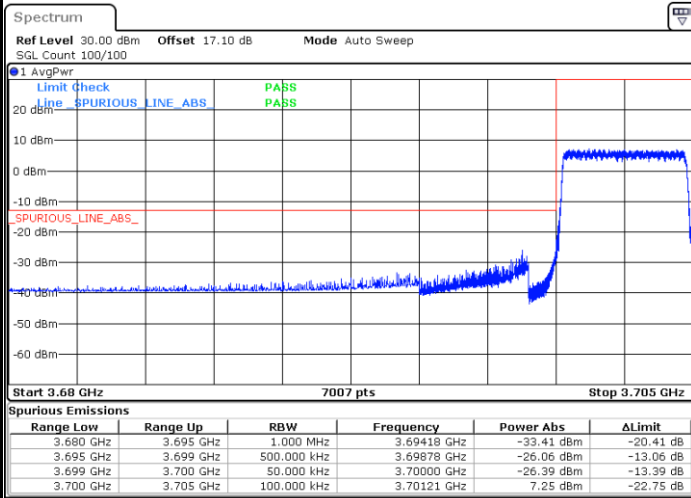
Date: 14.NOV.2024 03:21:59

Highest Band Edge / 1 RB



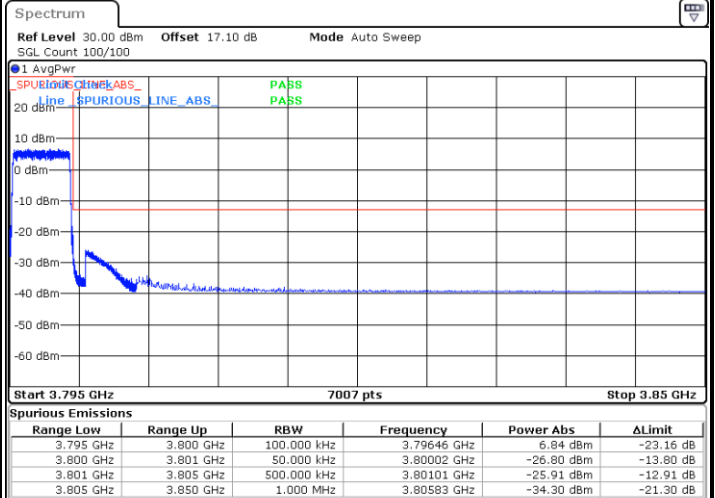
Date: 14.NOV.2024 03:31:06

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:26:32

Highest Band Edge / Full RB

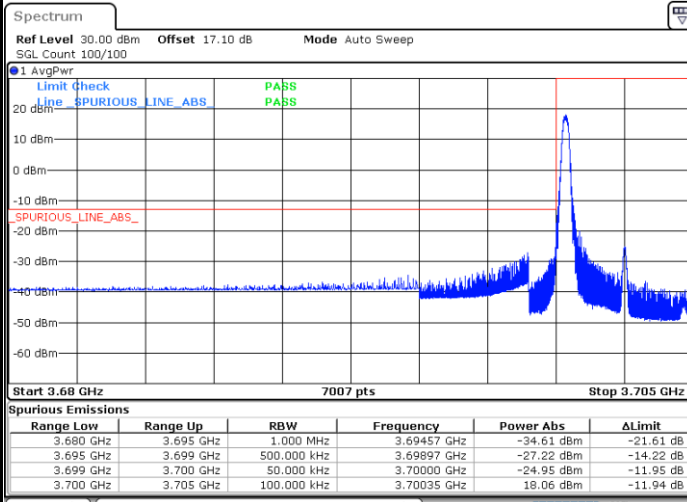


Date: 14.NOV.2024 03:35:39



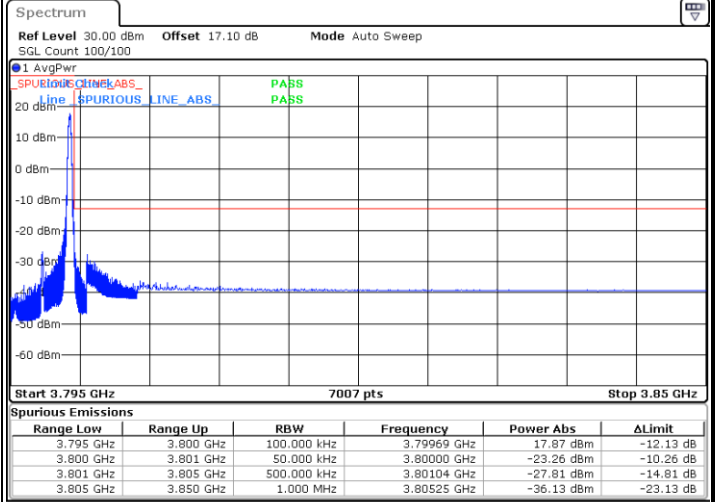
LTE Band 43 / 5MHz / 256QAM

Lowest Band Edge / 1RB



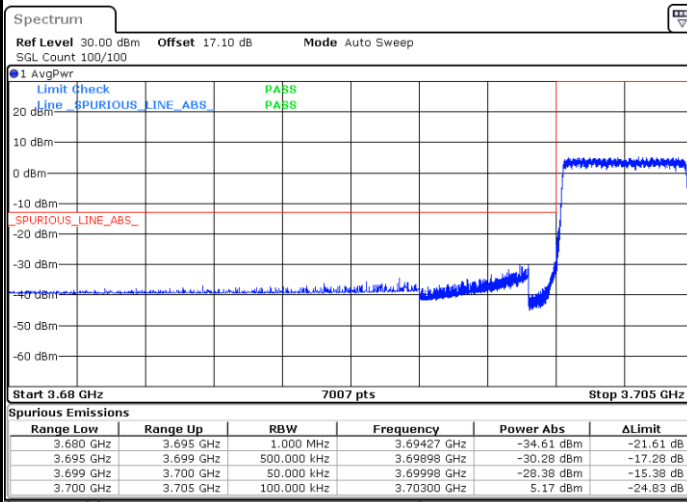
Date: 14.NOV.2024 03:23:07

Highest Band Edge / 1 RB



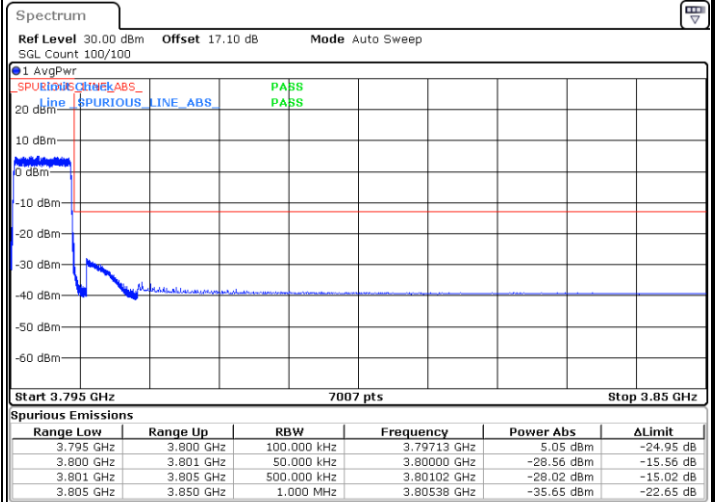
Date: 14.NOV.2024 03:32:13

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:27:40

Highest Band Edge / Full RB



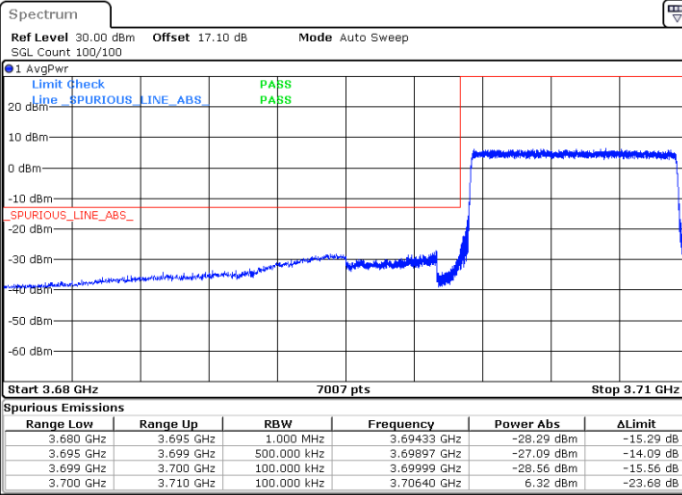
Date: 14.NOV.2024 03:36:46





LTE Band 43 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:37:59

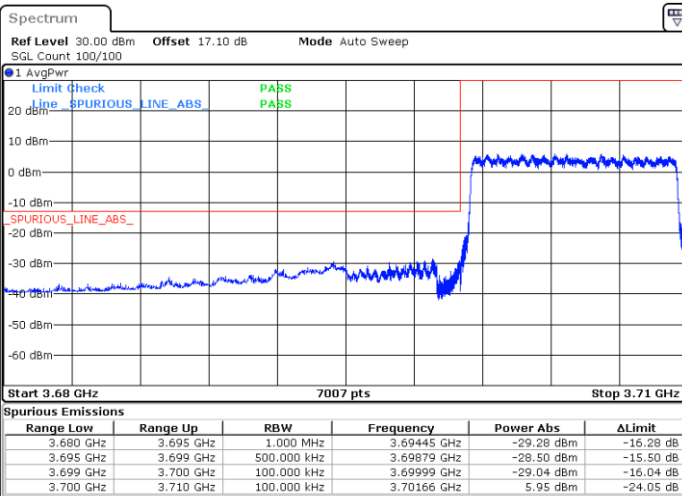
Highest Band Edge / Full RB



Date: 14.NOV.2024 03:42:32

TE Band 43 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:39:07

Highest Band Edge / Full RB

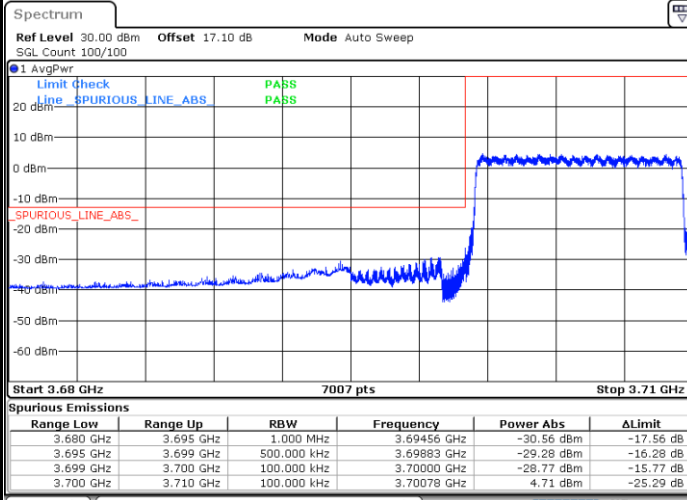


Date: 14.NOV.2024 03:43:40



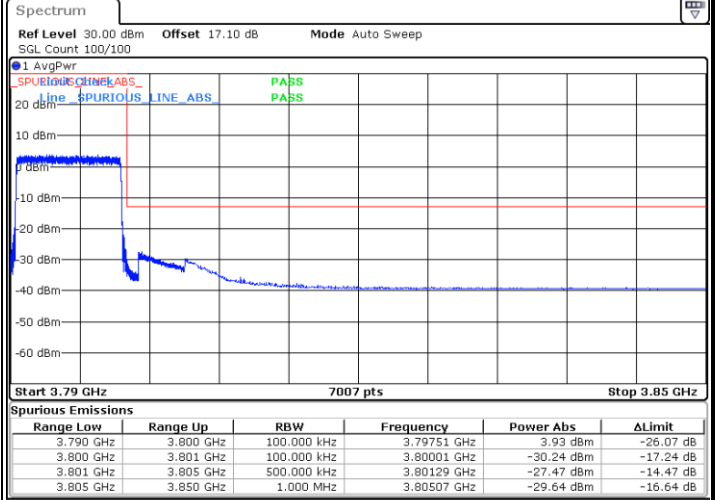
LTE Band 43 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:40:14

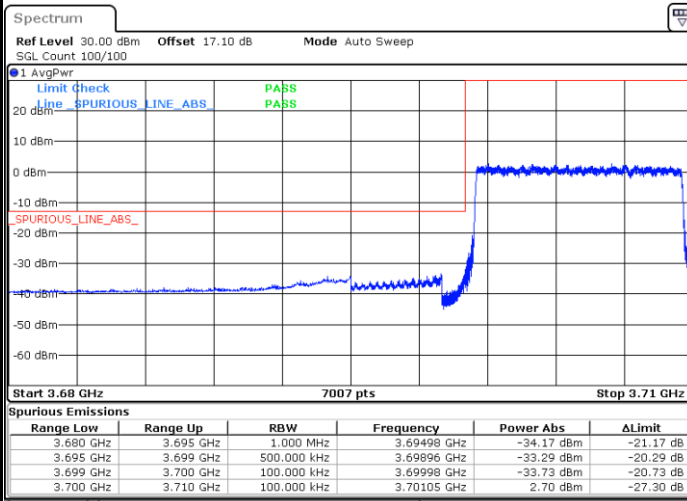
Highest Band Edge / Full RB



Date: 14.NOV.2024 03:44:47

LTE Band 43 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:41:22

Highest Band Edge / Full RB

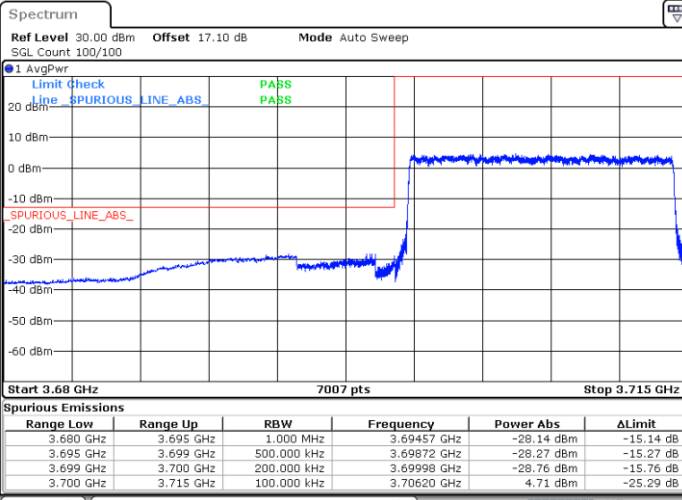


Date: 14.NOV.2024 03:45:55



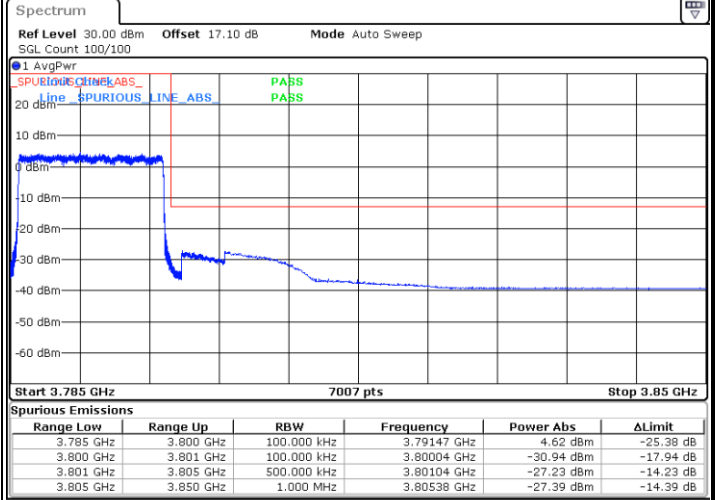
LTE Band 43 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:47:07

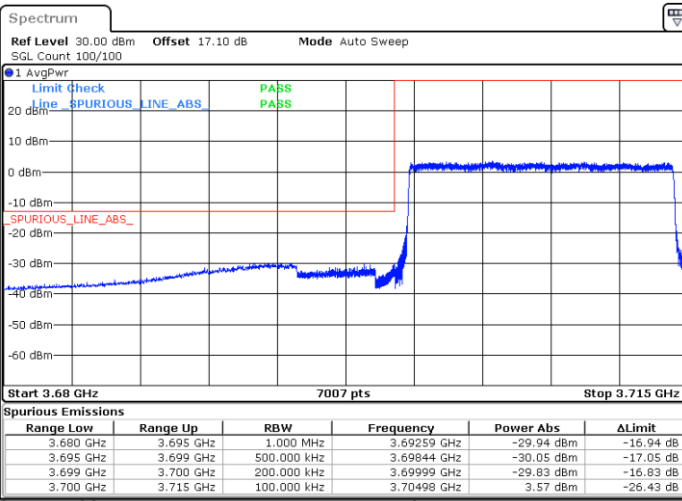
Highest Band Edge / Full RB



Date: 14.NOV.2024 03:51:40

LTE Band 43 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:48:15

Highest Band Edge / Full RB

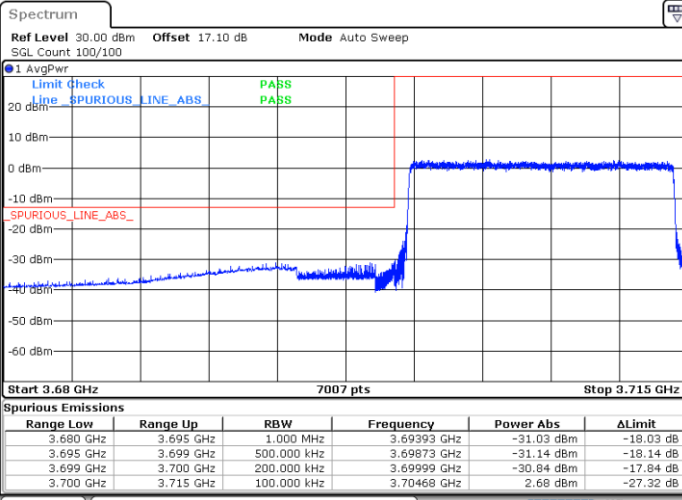


Date: 14.NOV.2024 03:52:48



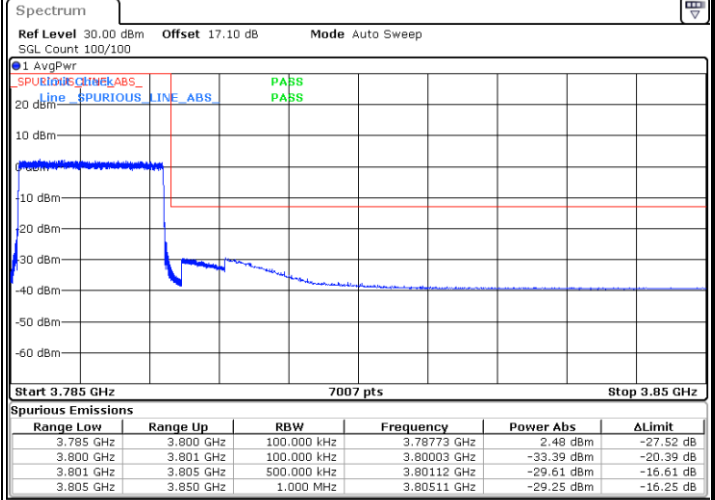
LTE Band 43 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:49:22

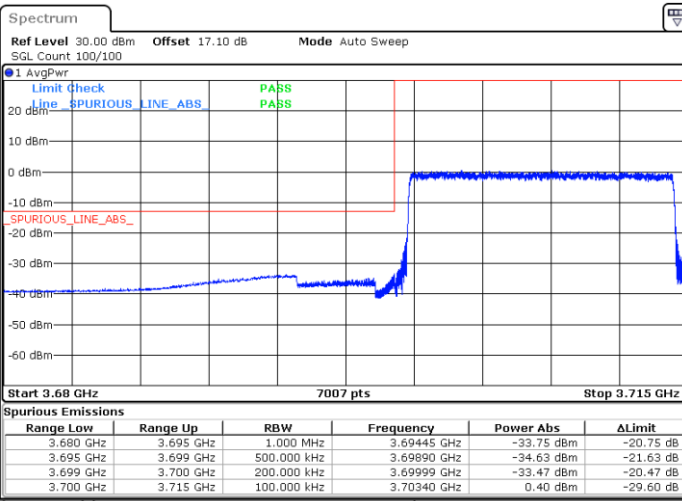
Highest Band Edge / Full RB



Date: 14.NOV.2024 03:53:56

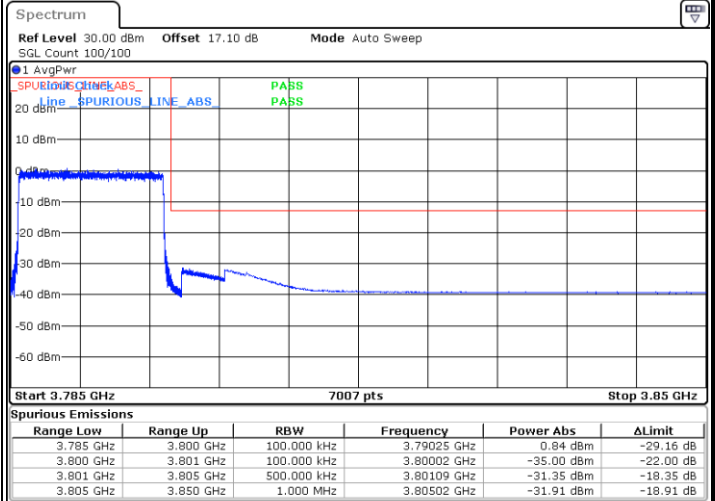
LTE Band 43 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:50:30

Highest Band Edge / Full RB

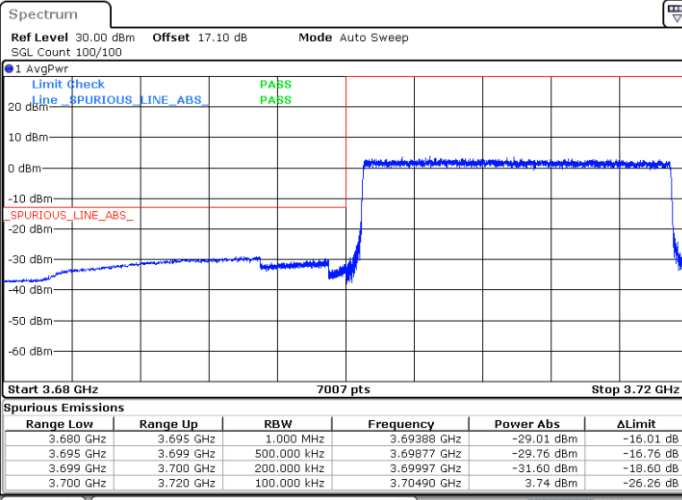


Date: 14.NOV.2024 03:55:03



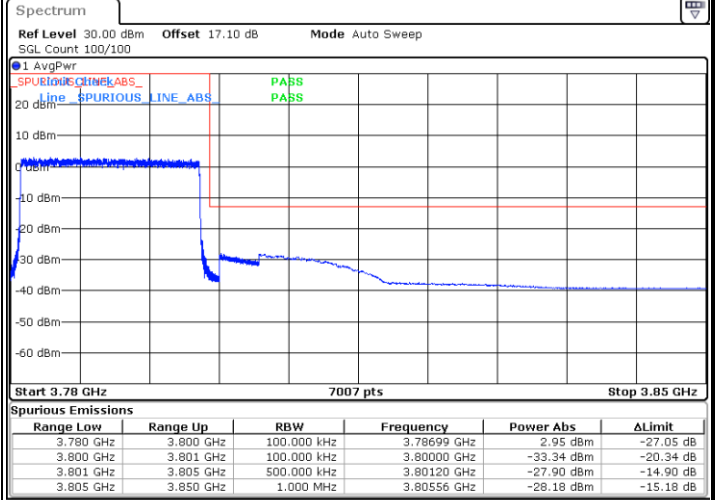
LTE Band 43 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:56:16

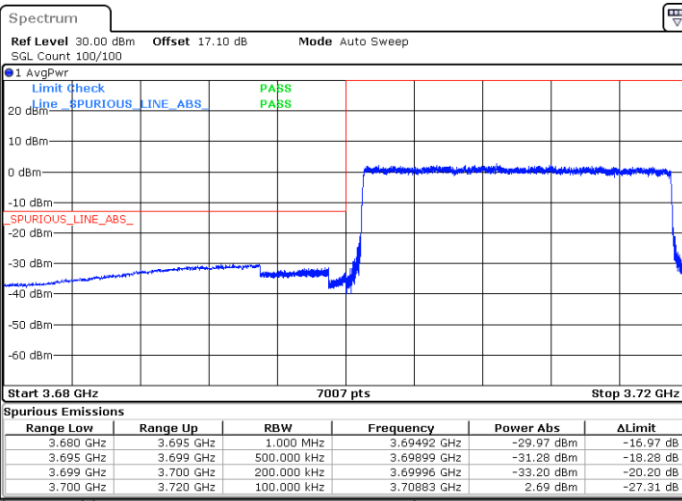
Highest Band Edge / Full RB



Date: 14.NOV.2024 04:00:49

LTE Band 43 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:57:23

Highest Band Edge / Full RB

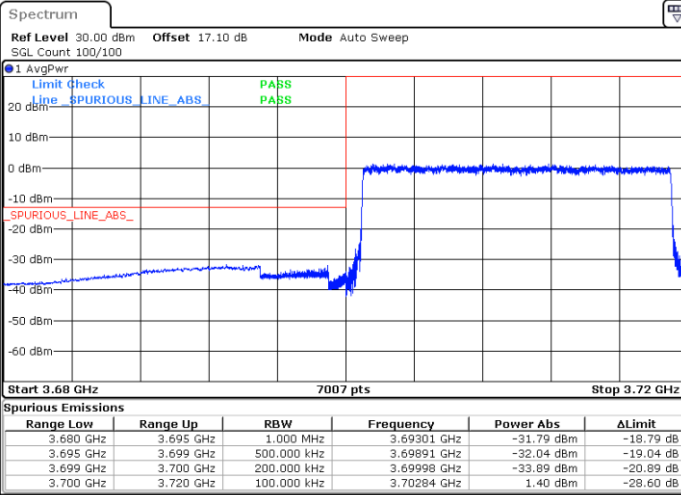


Date: 14.NOV.2024 04:01:56



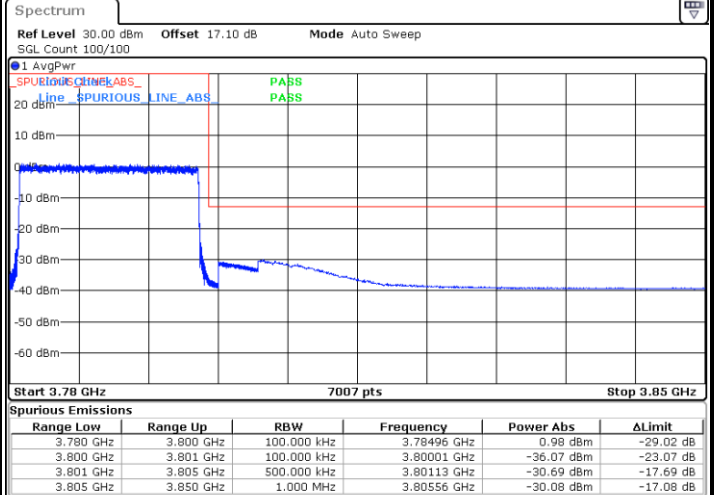
LTE Band 43 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:58:31

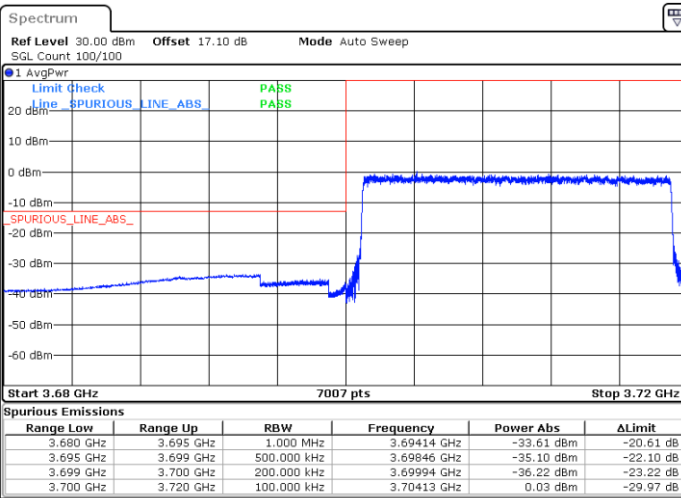
Highest Band Edge / Full RB



Date: 14.NOV.2024 04:03:04

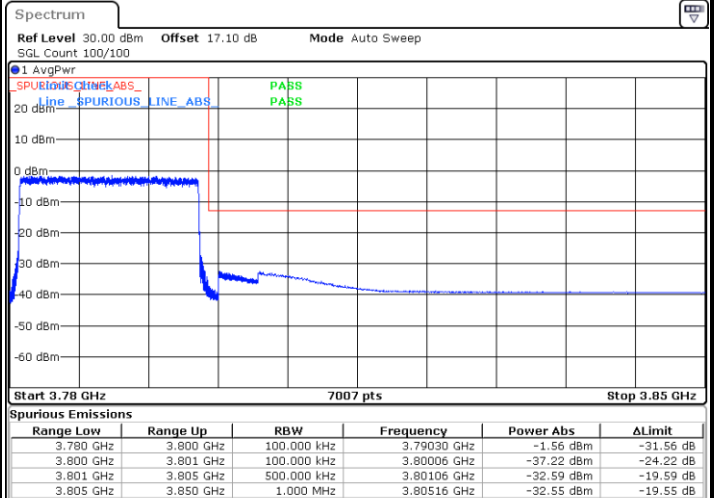
LTE Band 43 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 03:59:39

Highest Band Edge / Full RB



Date: 14.NOV.2024 04:04:12

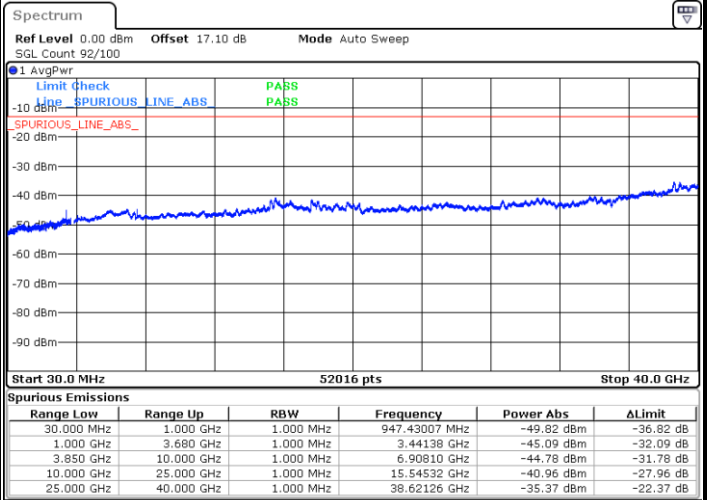
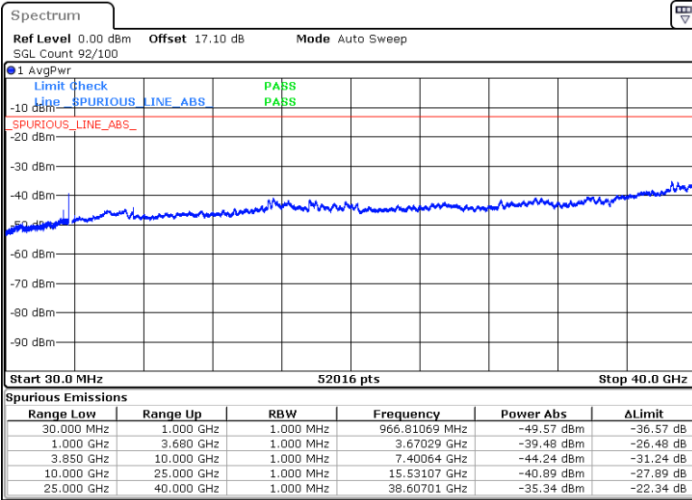


# Conducted Spurious Emission

## LTE Band 43 / 5MHz

### Lowest Channel / QPSK

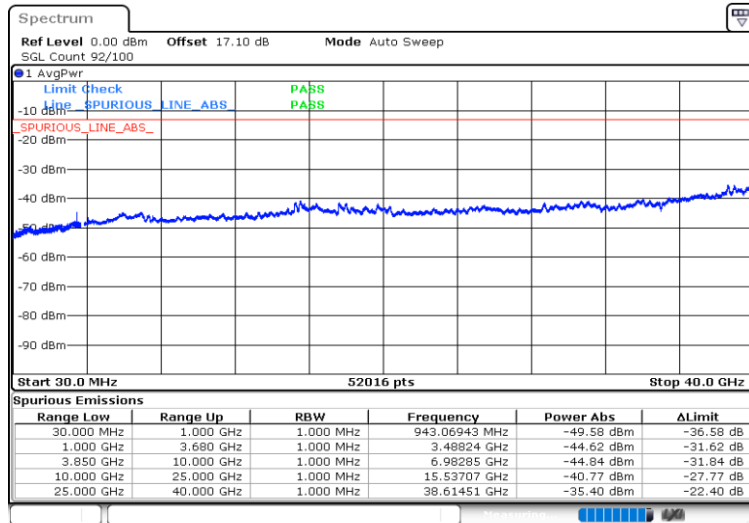
### Middle Channel / QPSK



Date: 14.NOV.2024 04:23:27

Date: 14.NOV.2024 04:24:45

### Highest Channel / QPSK

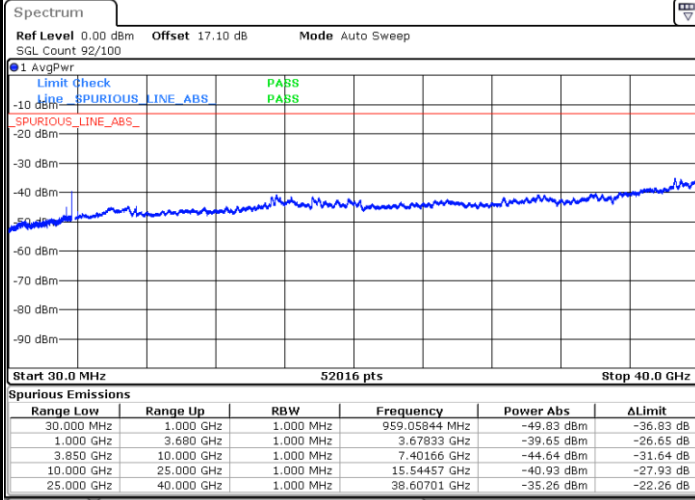


Date: 14.NOV.2024 04:26:03



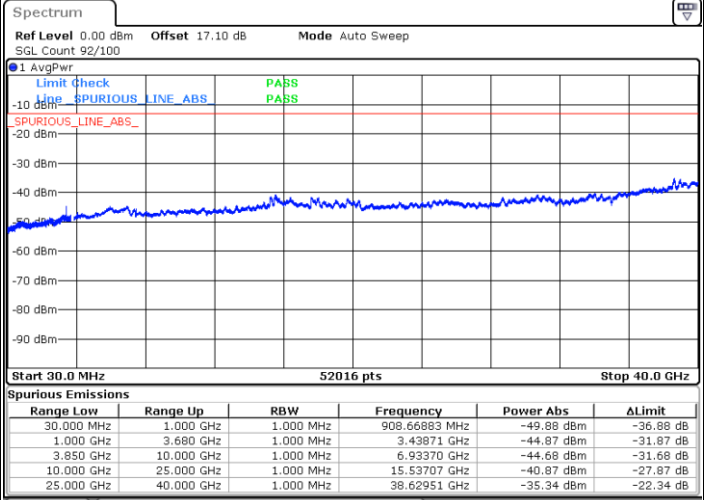
LTE Band 43 / 10MHz

Lowest Channel / QPSK



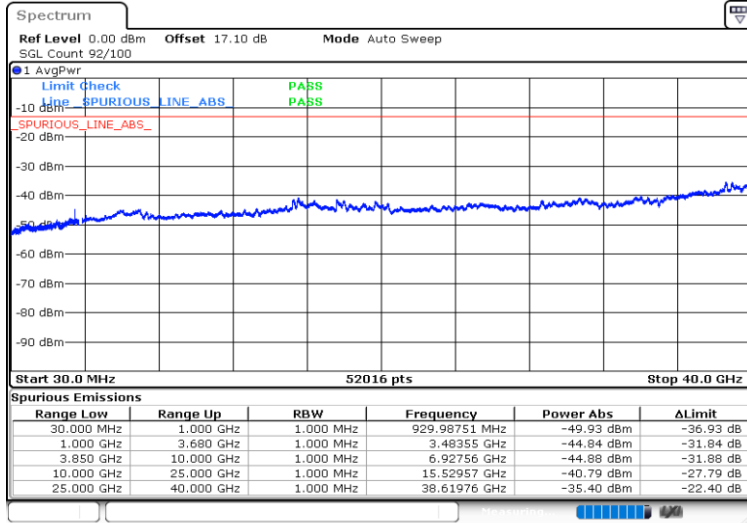
Date: 14.NOV.2024 04:27:25

Middle Channel / QPSK



Date: 14.NOV.2024 04:28:43

Highest Channel / QPSK



Date: 14.NOV.2024 04:30:01

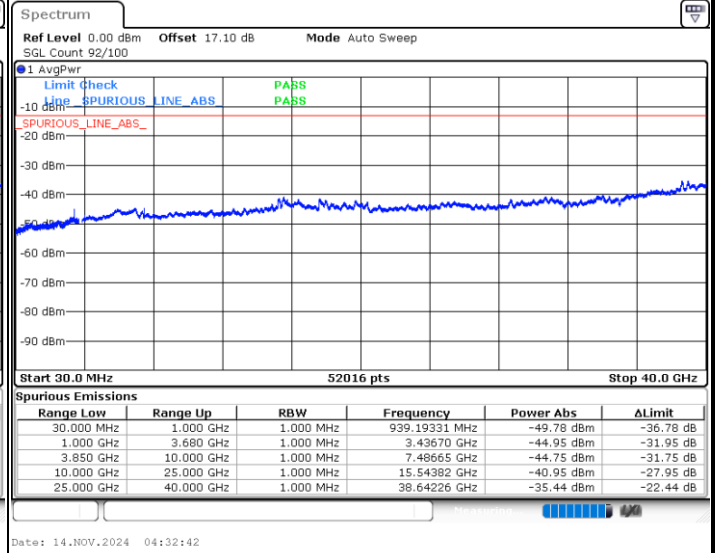
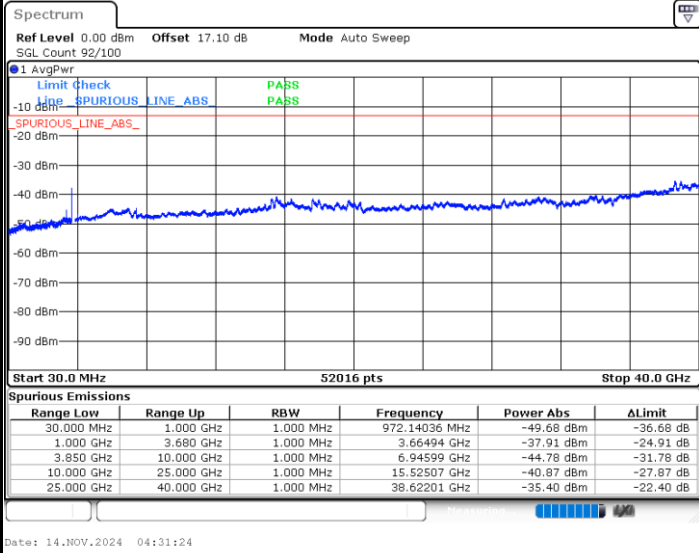




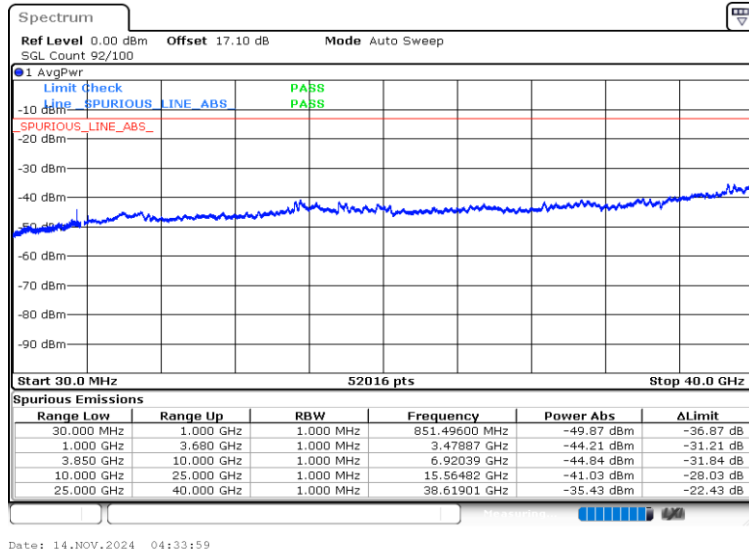
LTE Band 43 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



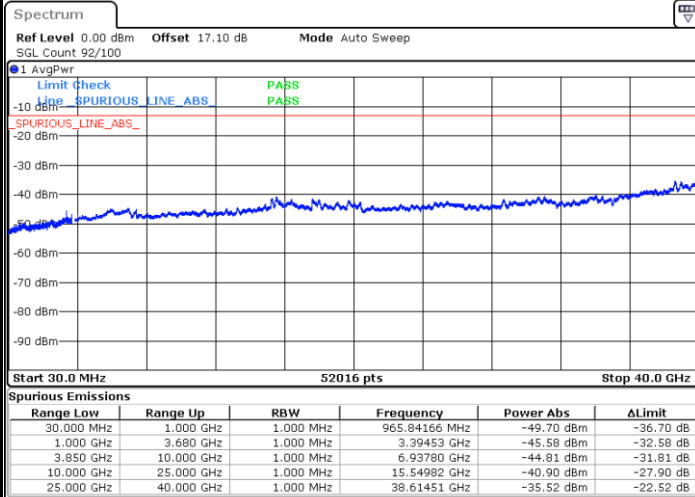
Highest Channel / QPSK





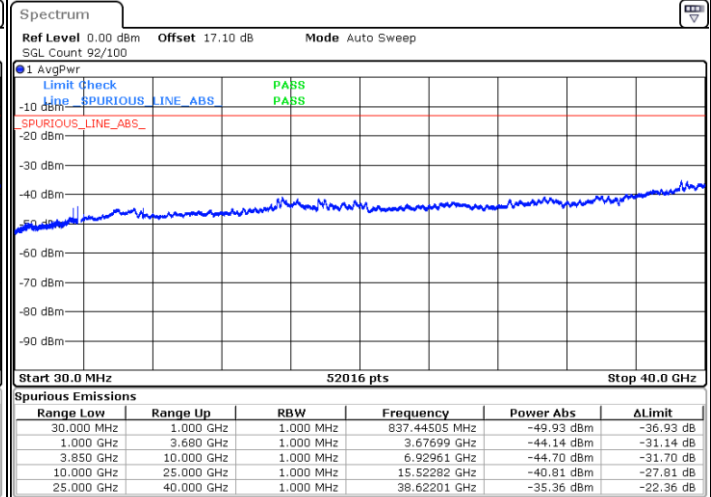
LTE Band 43 / 20MHz

Lowest Channel / QPSK



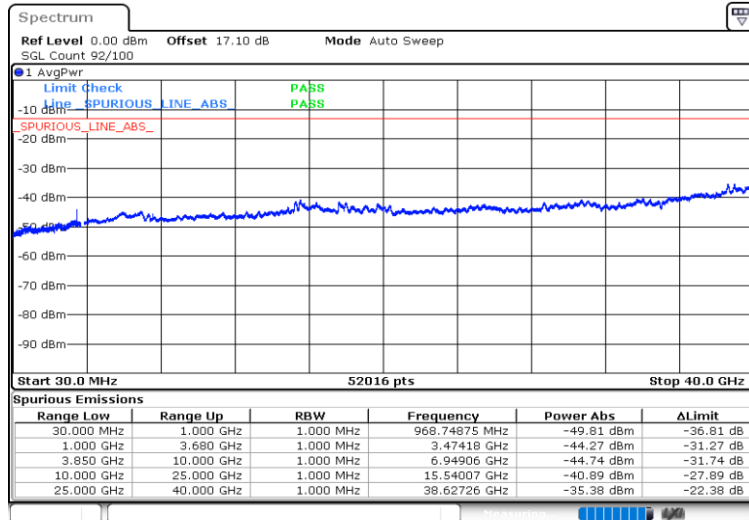
Date: 14.NOV.2024 04:35:22

Middle Channel / QPSK



Date: 14.NOV.2024 04:36:40

Highest Channel / QPSK



Date: 14.NOV.2024 04:37:58



### Frequency Stability

Test Conditions		LTE Band 43 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0010	

**Note:**

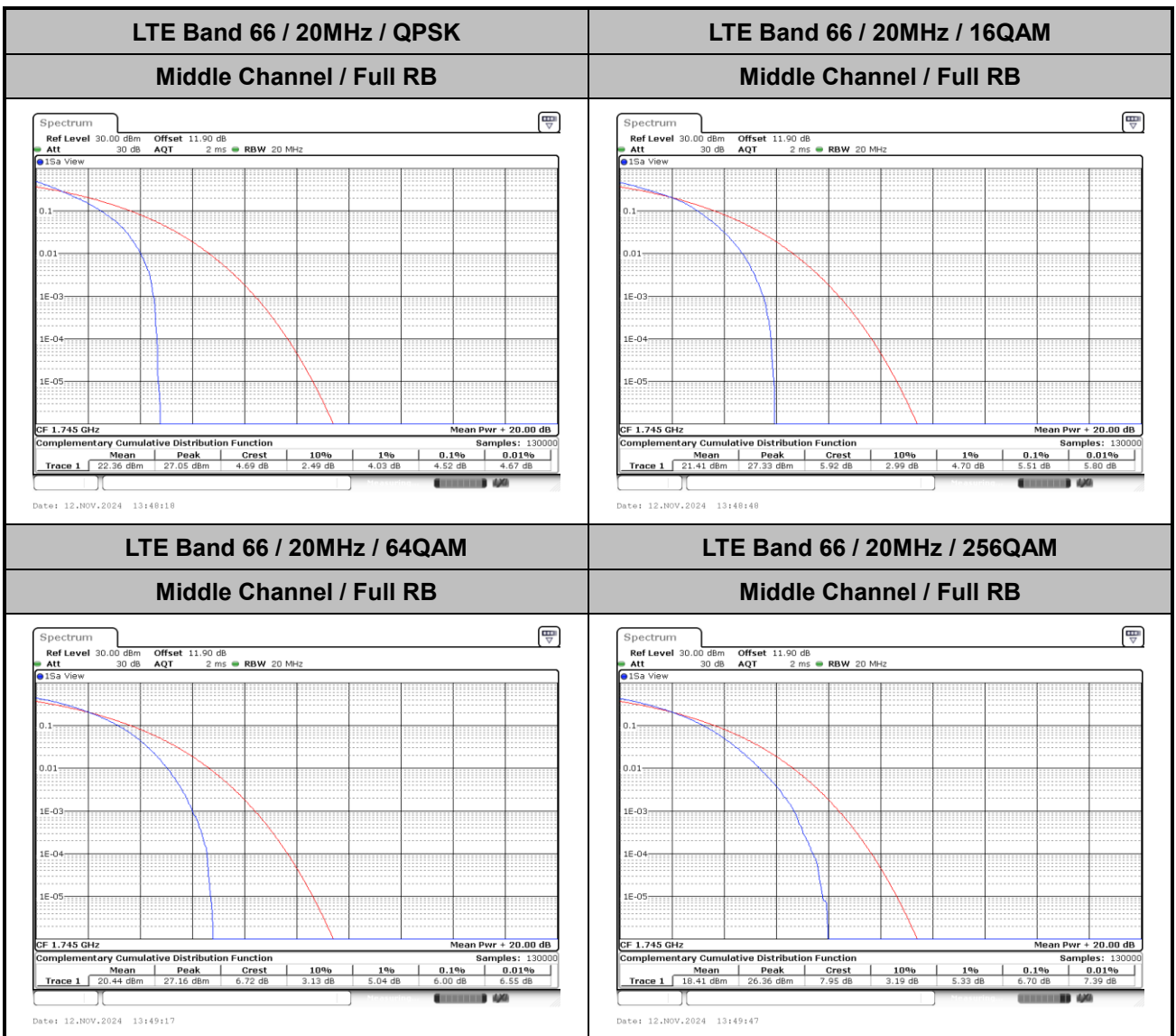
- 1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.51	6.00	6.70	PASS





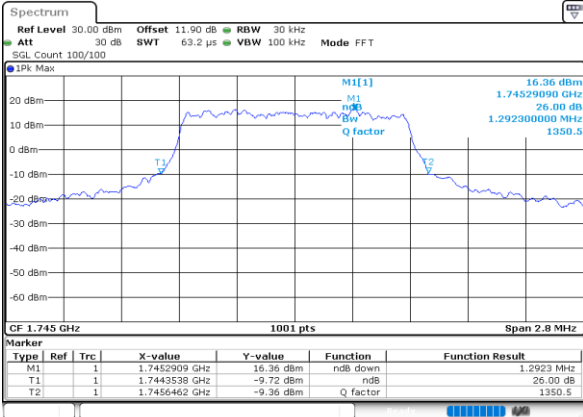
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.29	1.31	3.11	3.11	5.01	5.04	9.94	9.86	14.23	14.68	19.06	19.06
Mode	LTE Band 66 : 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	1.35	3.13	3.02	4.99	5.08	9.84	10.13	14.41	14.62	18.94	19.06



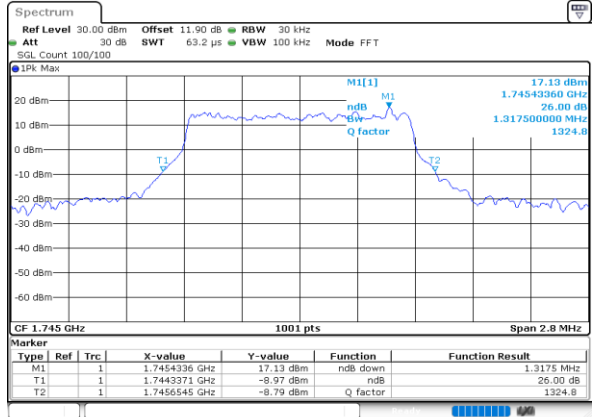
LTE Band 66

Middle Channel / 1.4MHz / QPSK



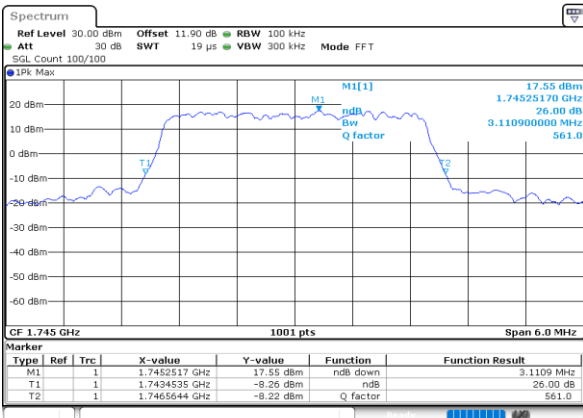
Date: 12.NOV.2024 13:23:13

Middle Channel / 1.4MHz / 16QAM



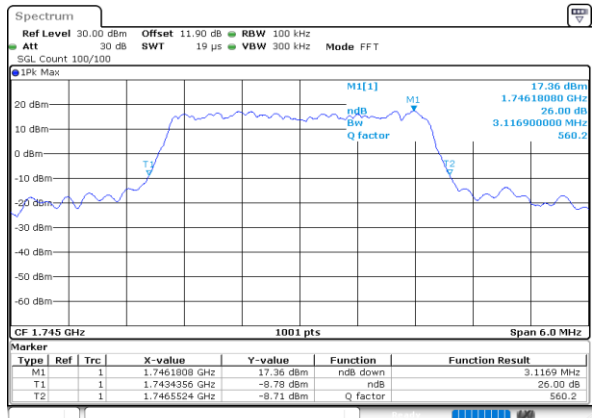
Date: 12.NOV.2024 13:23:36

Middle Channel / 3MHz / QPSK



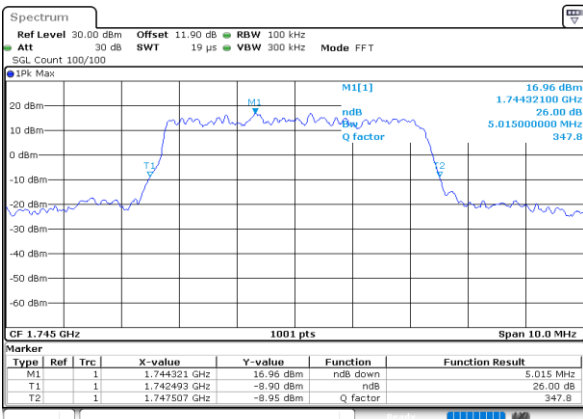
Date: 12.NOV.2024 13:29:37

Middle Channel / 3MHz / 16QAM



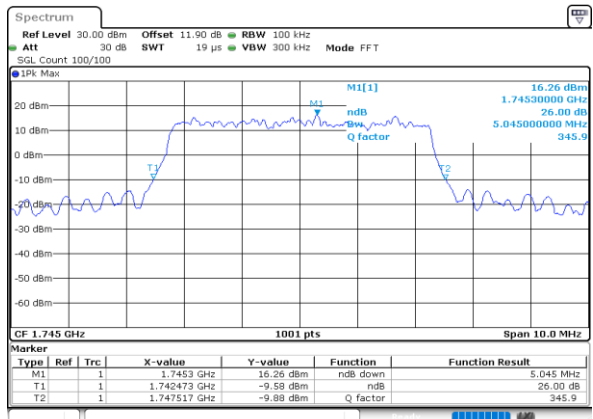
Date: 12.NOV.2024 13:30:00

Middle Channel / 5MHz / QPSK



Date: 12.NOV.2024 13:37:13

Middle Channel / 5MHz / 16QAM

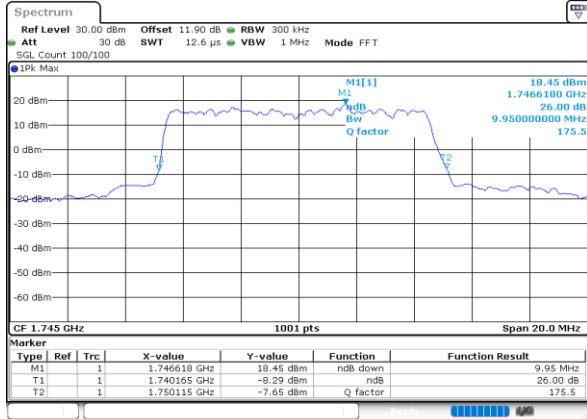


Date: 12.NOV.2024 13:37:36



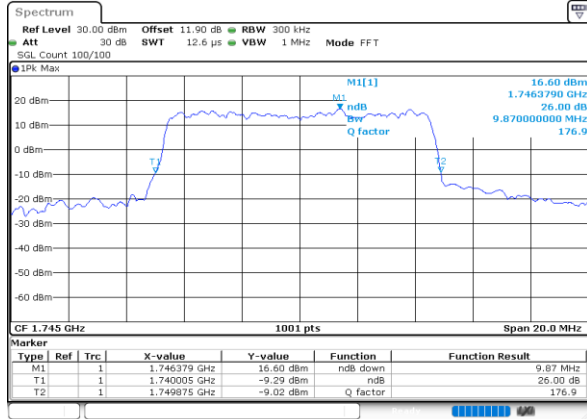
LTE Band 66

Middle Channel / 10MHz / QPSK



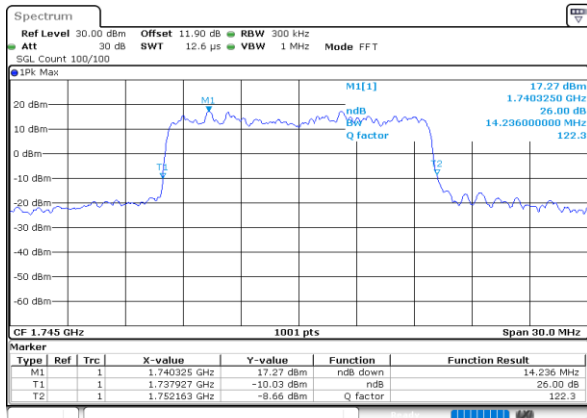
Date: 12.NOV.2024 13:42:25

Middle Channel / 10MHz / 16QAM



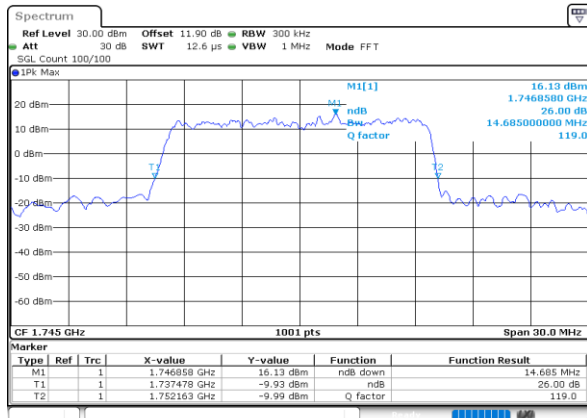
Date: 12.NOV.2024 13:42:53

Middle Channel / 15MHz / QPSK



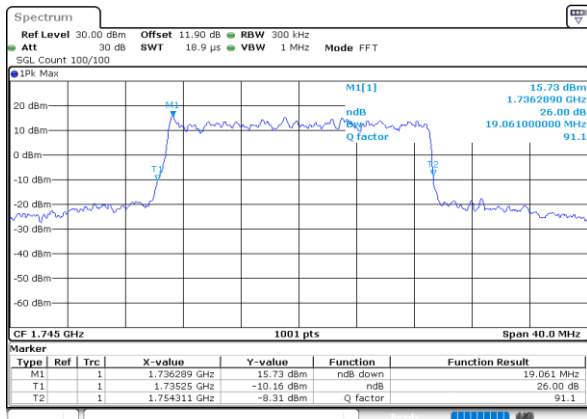
Date: 12.NOV.2024 13:44:23

Middle Channel / 15MHz / 16QAM



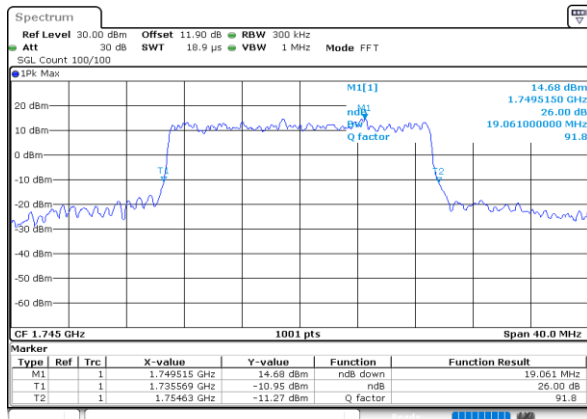
Date: 12.NOV.2024 13:44:51

Middle Channel / 20MHz / QPSK



Date: 12.NOV.2024 13:46:21

Middle Channel / 20MHz / 16QAM



Date: 12.NOV.2024 13:46:49