

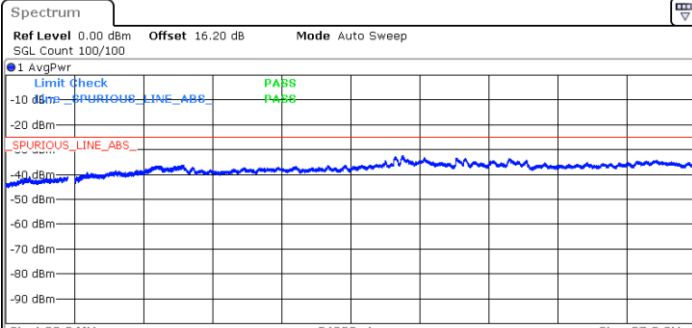


LTE Band 41C / 20MHz+20MHz

QPSK

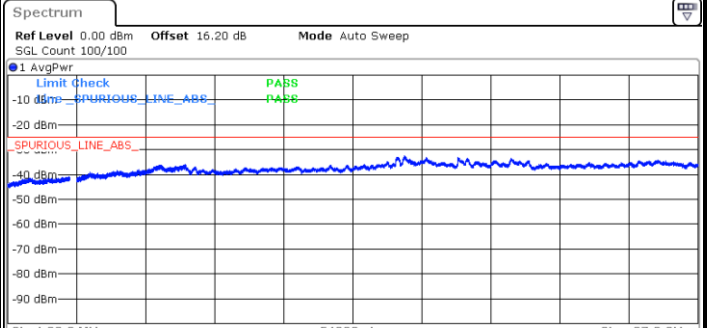
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-40.76 dBm	-15.76 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.44591 GHz	-40.84 dBm	-15.84 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.95001 GHz	-40.27 dBm	-15.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91176 GHz	-36.23 dBm	-11.23 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.34619 GHz	-37.01 dBm	-12.01 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.28034 GHz	-36.09 dBm	-11.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54756 GHz	-32.46 dBm	-7.46 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.70616 GHz	-33.47 dBm	-8.47 dB

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Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-41.41 dBm	-16.41 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.42846 GHz	-40.88 dBm	-15.88 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.96616 GHz	-40.31 dBm	-15.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94526 GHz	-36.07 dBm	-11.07 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.35019 GHz	-36.98 dBm	-11.98 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96625 GHz	-35.90 dBm	-10.90 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.53456 GHz	-32.52 dBm	-7.52 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69966 GHz	-33.42 dBm	-8.42 dB

Date: 27.DEC.2023 22:40:07



LTE Band 42(Part 27Q)

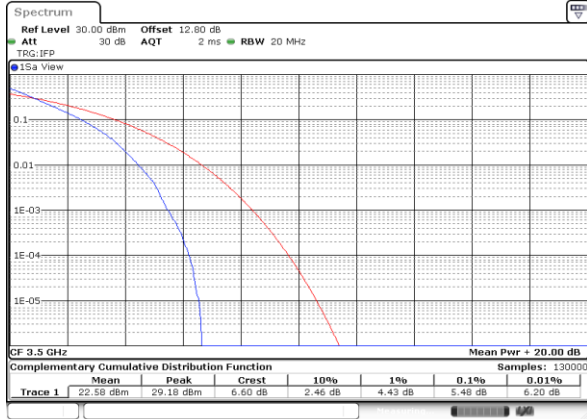
Peak-to-Average Ratio

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	5.48	6.29	6.52	6.52	PASS



LTE Band 42 / 20MHz / QPSK

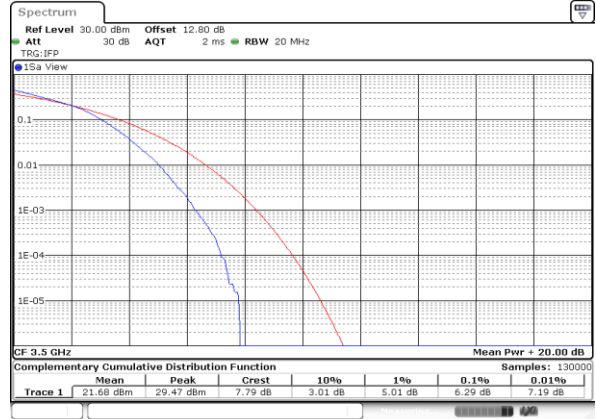
Middle Channel / Full RB



Date: 27.DEC.2023 16:35:32

LTE Band 42 / 20MHz / 16QAM

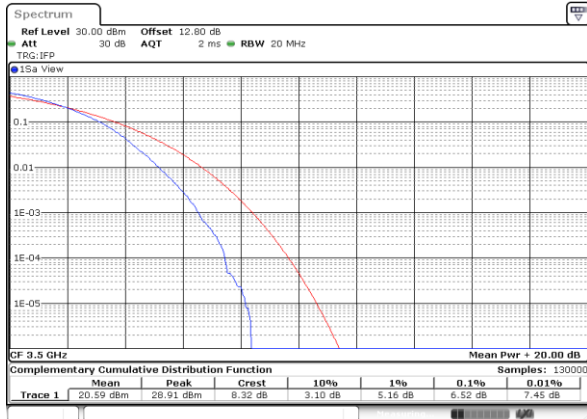
Middle Channel / Full RB



Date: 27.DEC.2023 16:35:56

LTE Band 42 / 20MHz / 64QAM

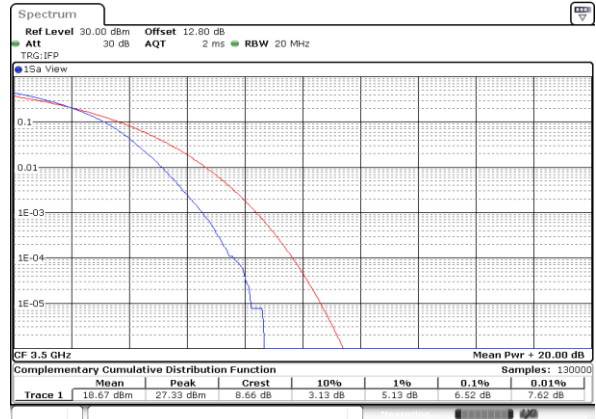
Middle Channel / Full RB



Date: 27.DEC.2023 16:36:19

LTE Band 42 / 20MHz / 256QAM

Middle Channel / Full RB



Date: 27.DEC.2023 16:36:43



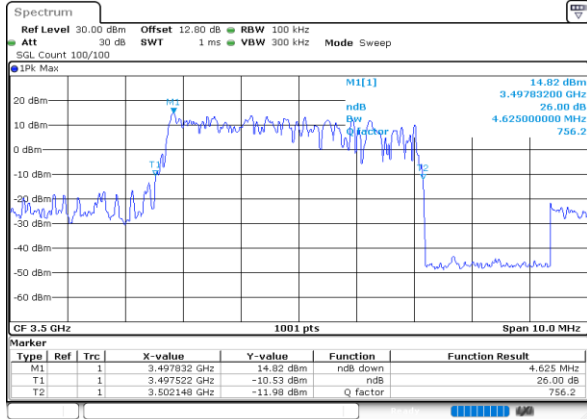
26dB Bandwidth

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	-	-	-	-	4.62	4.94	9.83	9.75	14.47	14.32	18.74	18.90
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	-	-	-	-	5.00	4.94	9.63	9.86	14.47	14.20	18.70	18.82



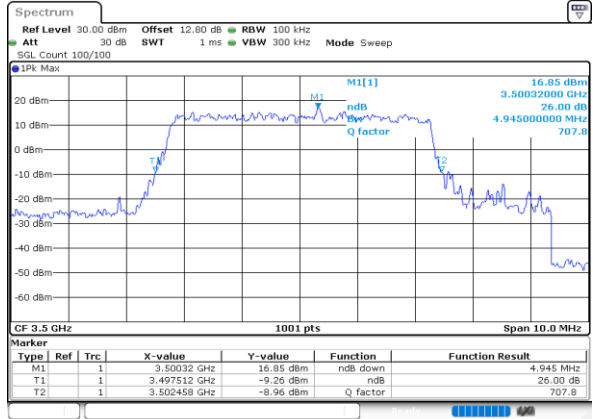
LTE Band 42

Middle Channel / 5MHz / QPSK



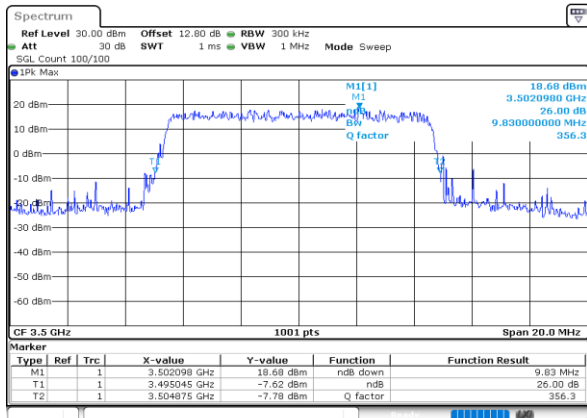
Date: 27_DEC.2023 16:23:04

Middle Channel / 5MHz / 16QAM



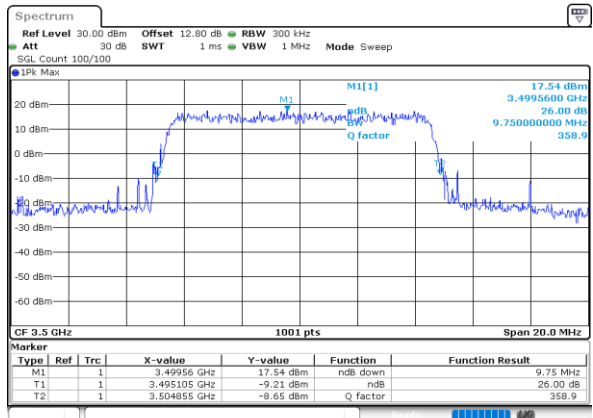
Date: 27_DEC.2023 16:23:26

Middle Channel / 10MHz / QPSK



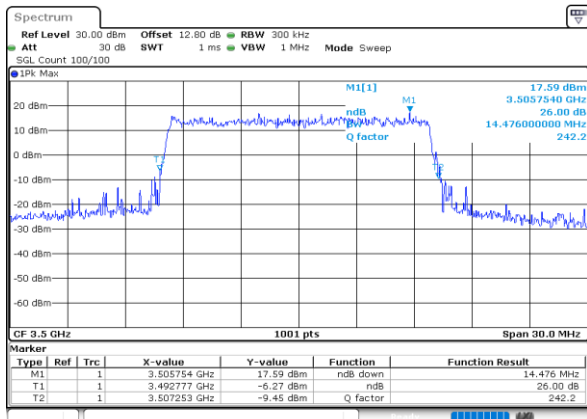
Date: 27_DEC.2023 16:26:56

Middle Channel / 10MHz / 16QAM



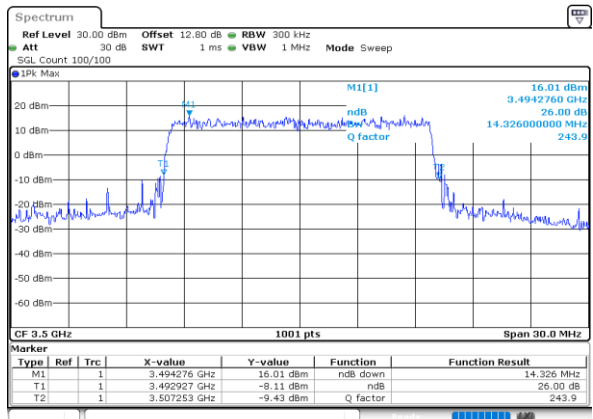
Date: 27_DEC.2023 16:27:19

Middle Channel / 15MHz / QPSK



Date: 27_DEC.2023 16:29:56

Middle Channel / 15MHz / 16QAM

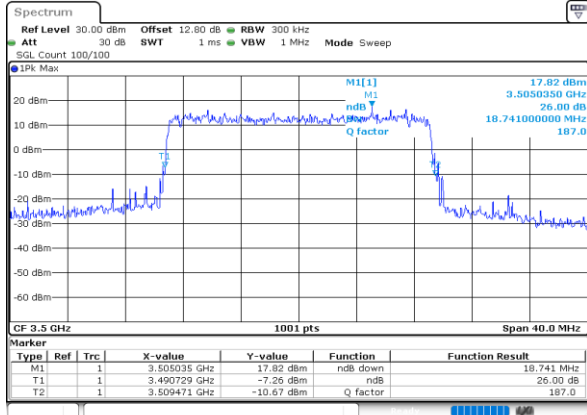


Date: 27_DEC.2023 16:30:18



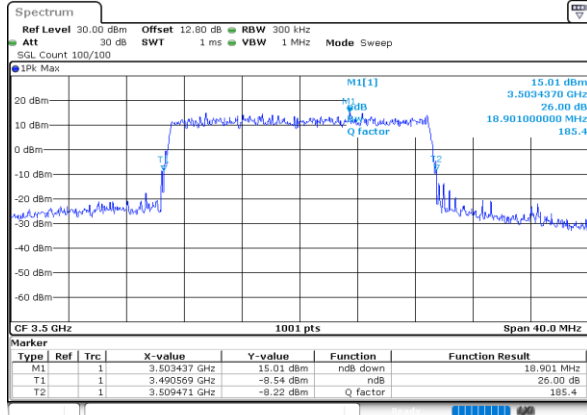
LTE Band 42

Middle Channel / 20MHz / QPSK



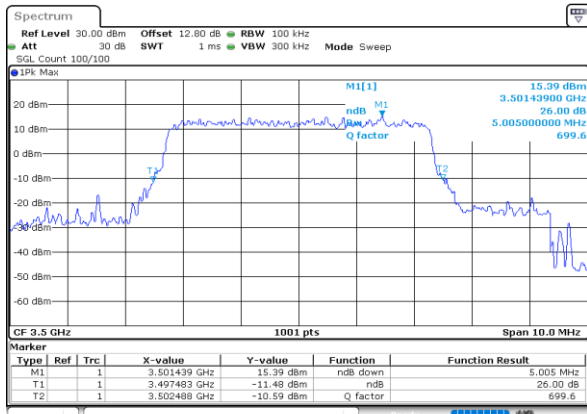
Date: 27 DEC 2023 16:32:55

Middle Channel / 20MHz / 16QAM



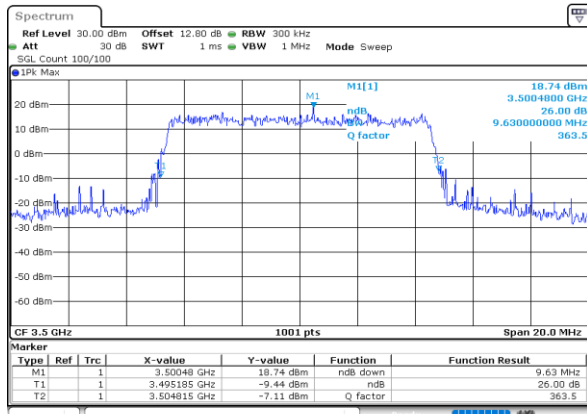
Date: 27 DEC 2023 16:33:17

Middle Channel / 5MHz / 64QAM



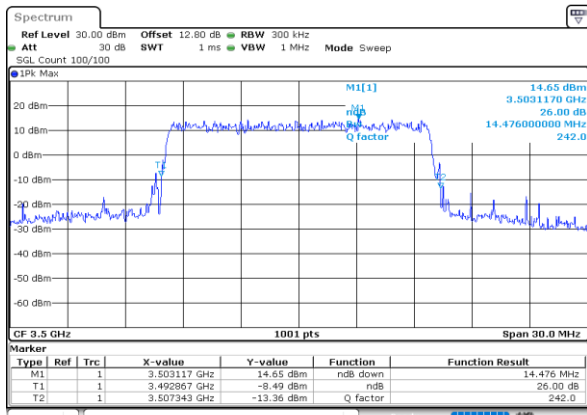
Date: 27 DEC 2023 16:24:33

Middle Channel / 10MHz / 64QAM



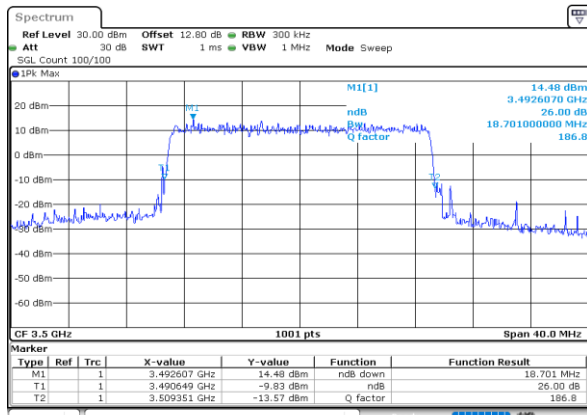
Date: 27 DEC 2023 16:28:26

Middle Channel / 15MHz / 64QAM



Date: 27 DEC 2023 16:31:25

Middle Channel / 20MHz / 64QAM

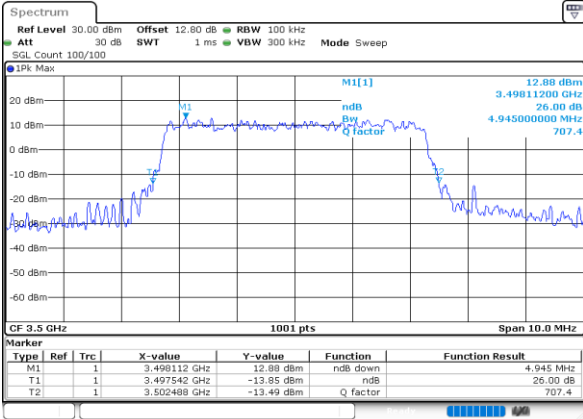


Date: 27 DEC 2023 16:34:24



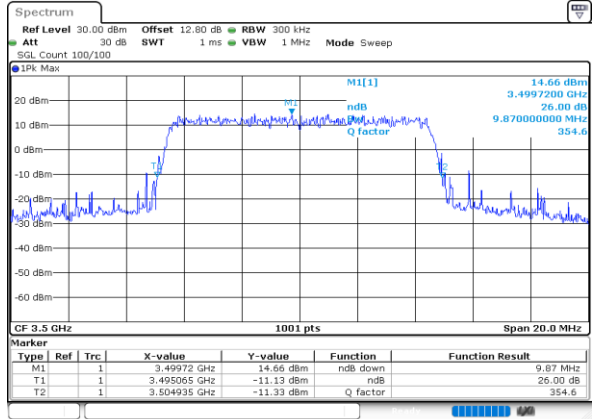
LTE Band 42

Middle Channel / 5MHz / 256QAM



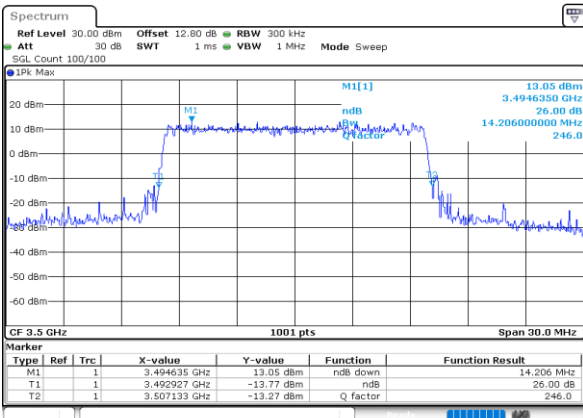
Date: 27.DEC.2023 16:24:55

Middle Channel / 10MHz / 256QAM



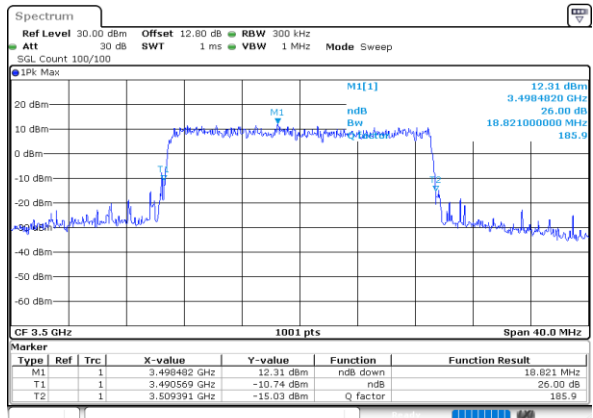
Date: 27.DEC.2023 16:28:48

Middle Channel / 15MHz / 256QAM



Date: 27.DEC.2023 16:31:47

Middle Channel / 20MHz / 256QAM



Date: 27.DEC.2023 16:34:47



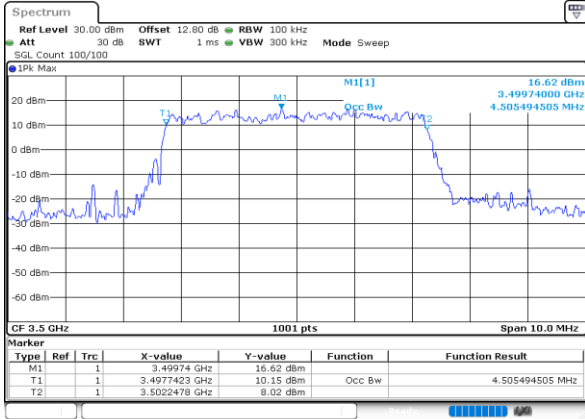
Occupied Bandwidth

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	-	-	-	-	4.50	4.50	9.03	9.03	13.48	13.39	17.90	17.90
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	-	-	-	-	4.48	4.49	9.05	9.03	13.42	13.45	17.94	17.90



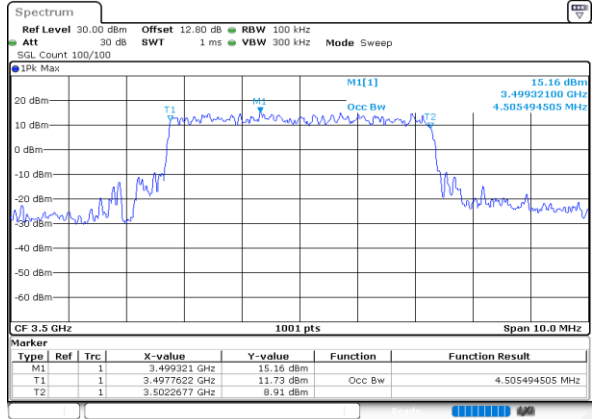
LTE Band 42

Middle Channel / 5MHz / QPSK



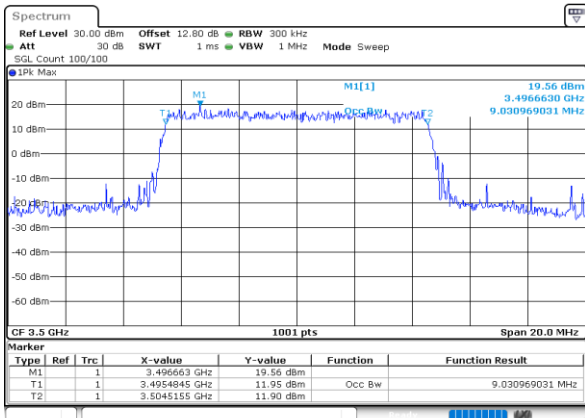
Date: 27 DEC.2023 16:22:41

Middle Channel / 5MHz / 16QAM



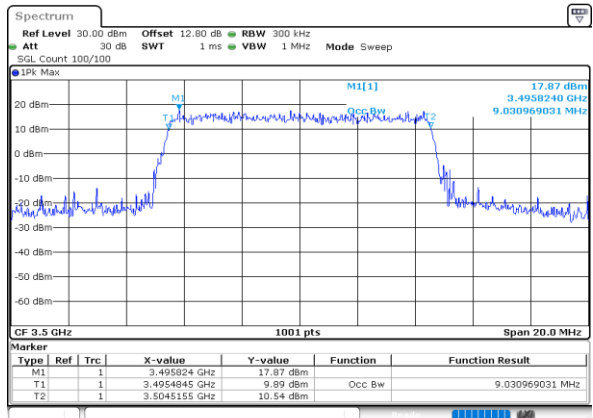
Date: 27 DEC.2023 16:23:48

Middle Channel / 10MHz / QPSK



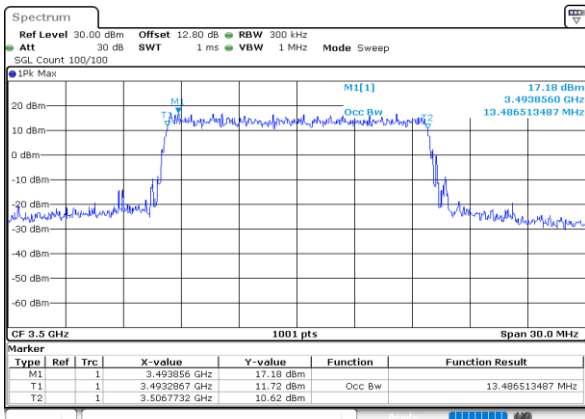
Date: 27 DEC.2023 16:26:34

Middle Channel / 10MHz / 16QAM



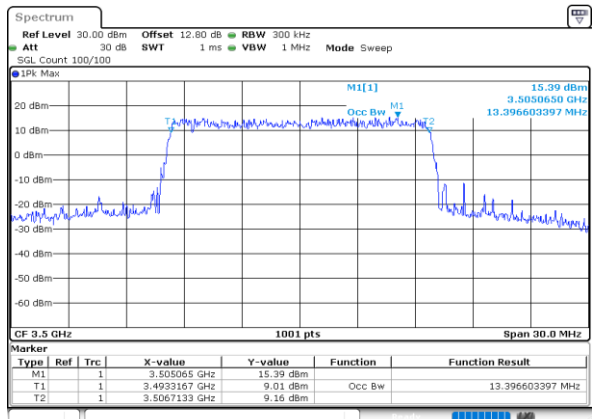
Date: 27 DEC.2023 16:27:41

Middle Channel / 15MHz / QPSK



Date: 27 DEC.2023 16:29:33

Middle Channel / 15MHz / 16QAM

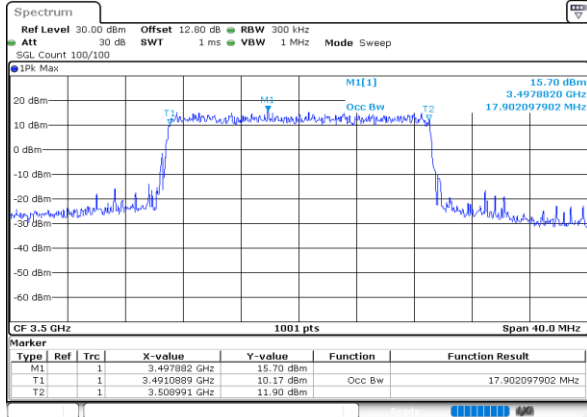


Date: 27 DEC.2023 16:30:40



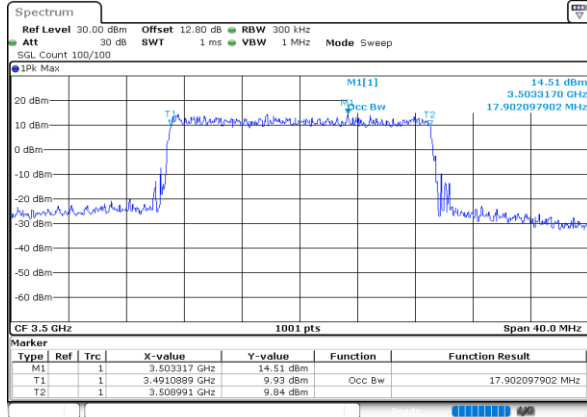
LTE Band 42

Middle Channel / 20MHz / QPSK



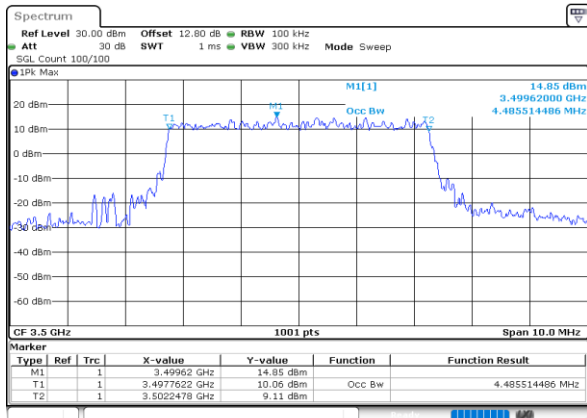
Date: 27 DEC.2023 16:32:33

Middle Channel / 20MHz / 16QAM



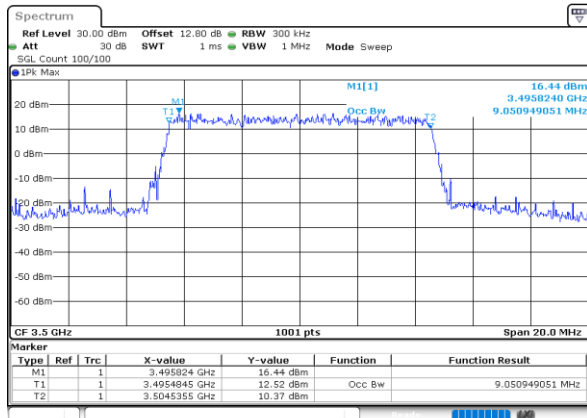
Date: 27 DEC.2023 16:33:40

Middle Channel / 5MHz / 64QAM



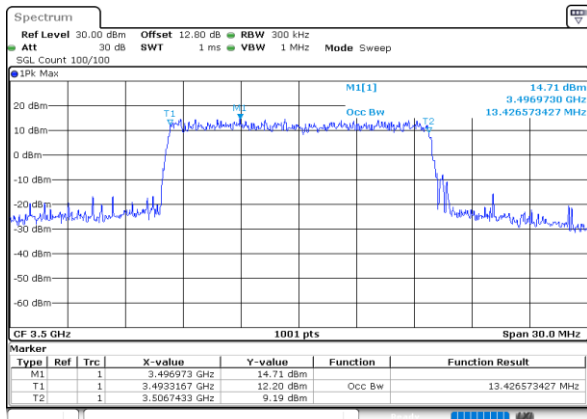
Date: 27 DEC.2023 16:24:11

Middle Channel / 10MHz / 64QAM



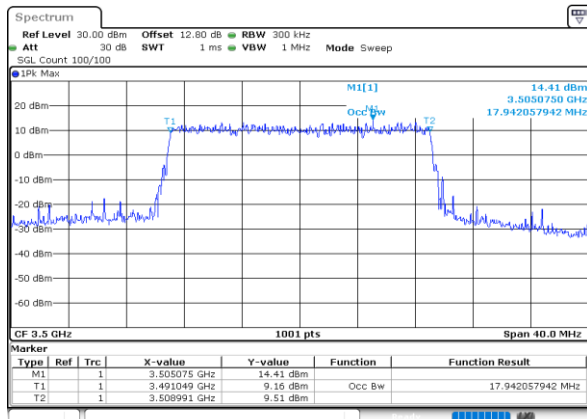
Date: 27 DEC.2023 16:28:03

Middle Channel / 15MHz / 64QAM



Date: 27 DEC.2023 16:31:03

Middle Channel / 20MHz / 64QAM

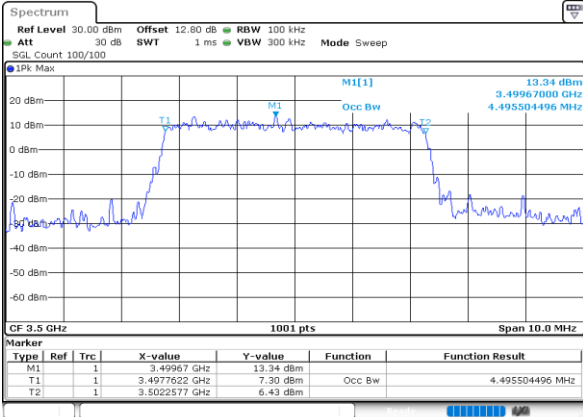


Date: 27 DEC.2023 16:34:02



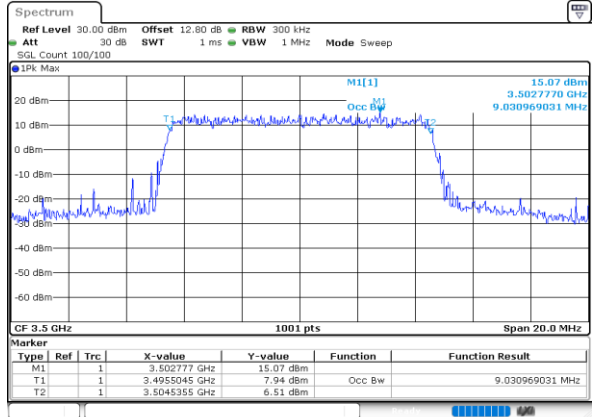
LTE Band 42

Middle Channel / 5MHz / 256QAM



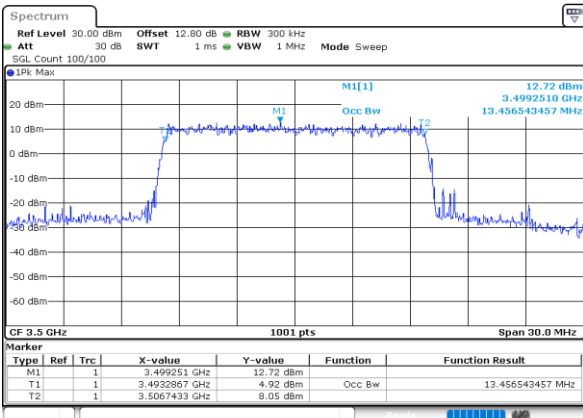
Date: 27.DEC.2023 16:25:10

Middle Channel / 10MHz / 256QAM



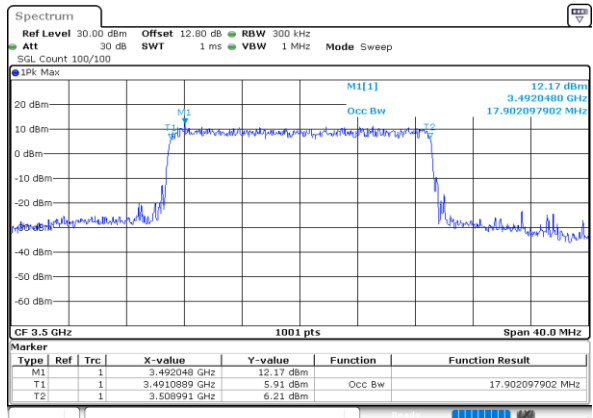
Date: 27.DEC.2023 16:12:10

Middle Channel / 15MHz / 256QAM



Date: 27.DEC.2023 16:32:10

Middle Channel / 20MHz / 256QAM



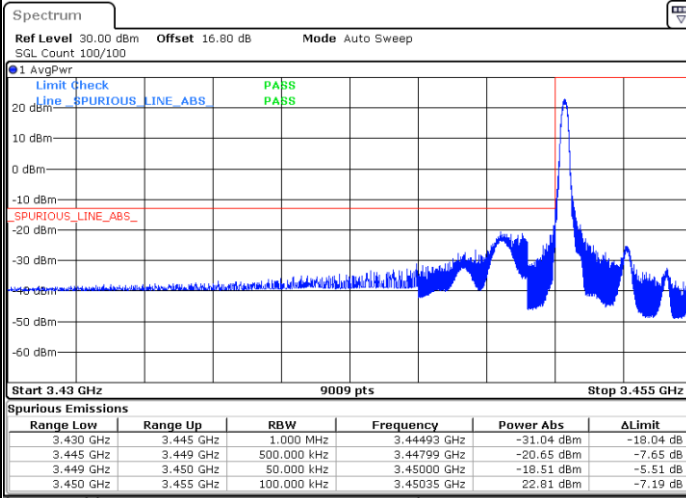
Date: 27.DEC.2023 16:35:09



Conducted Band Edge

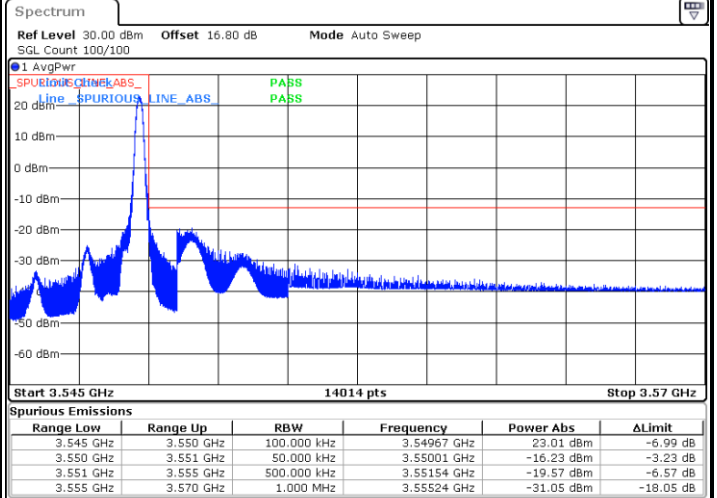
LTE Band 42 / 5MHz / QPSK

Lowest Band Edge / 1 RB



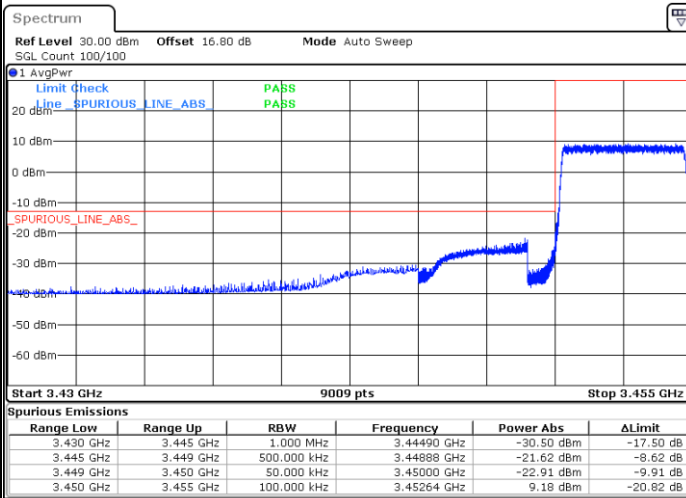
Date: 27.DEC.2023 15:35:05

Highest Band Edge / 1 RB



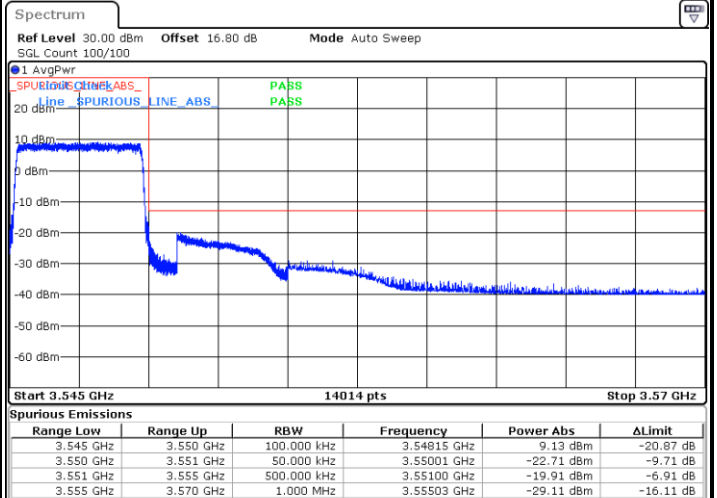
Date: 27.DEC.2023 15:42:04

Lowest Band Edge / Full RB



Date: 27.DEC.2023 15:38:35

Highest Band Edge / Full RB

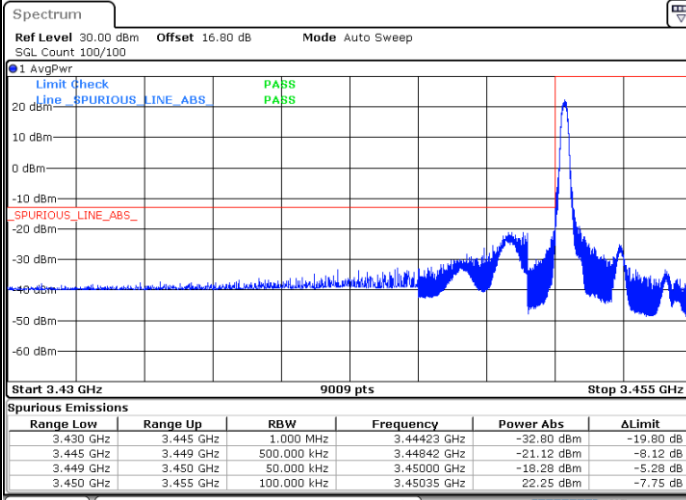


Date: 27.DEC.2023 15:45:33



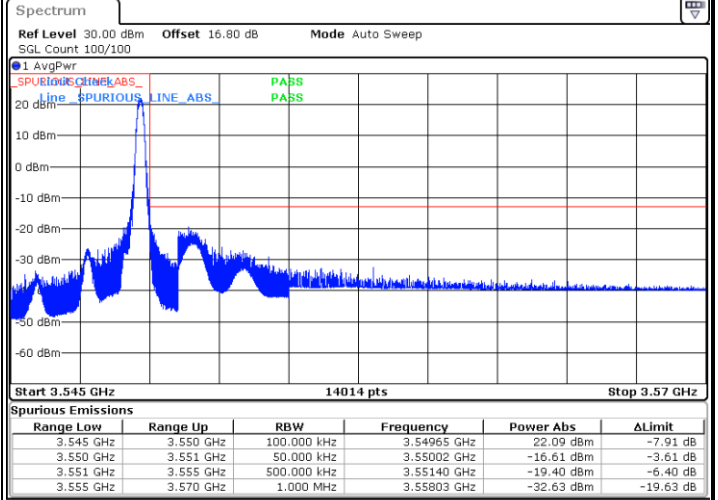
LTE Band 42 / 5MHz / 16QAM

Lowest Band Edge / 1RB



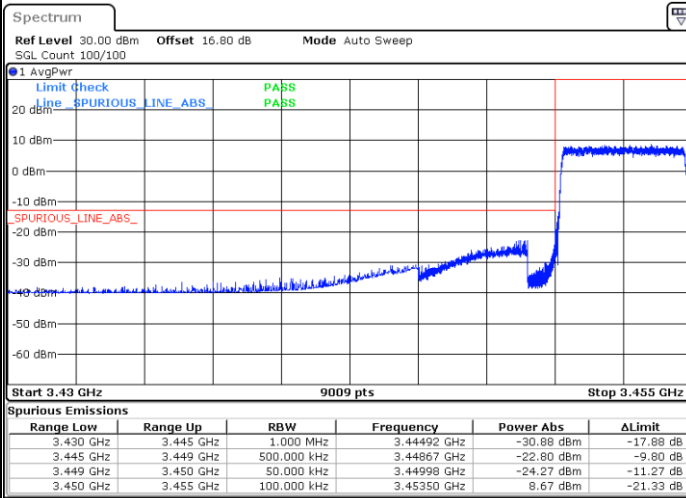
Date: 27.DEC.2023 15:35:57

Highest Band Edge / 1 RB



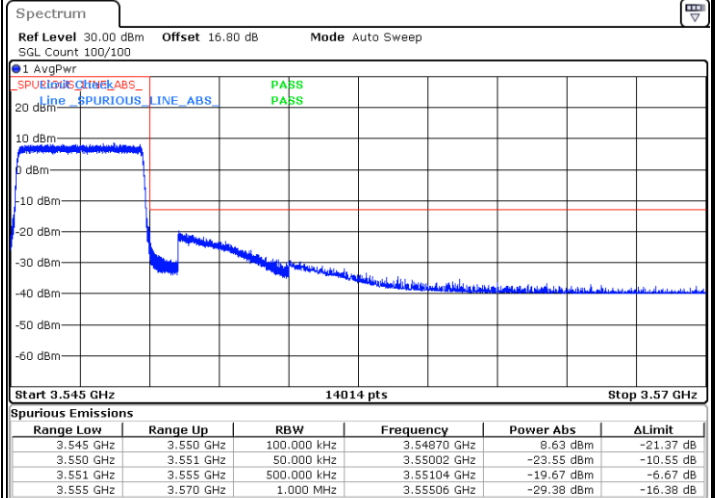
Date: 27.DEC.2023 15:42:55

Lowest Band Edge / Full RB



Date: 27.DEC.2023 15:39:26

Highest Band Edge / Full RB

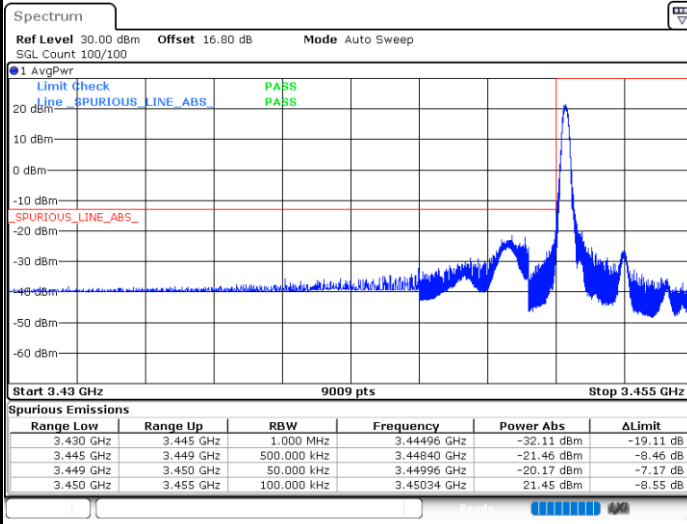


Date: 27.DEC.2023 15:46:25



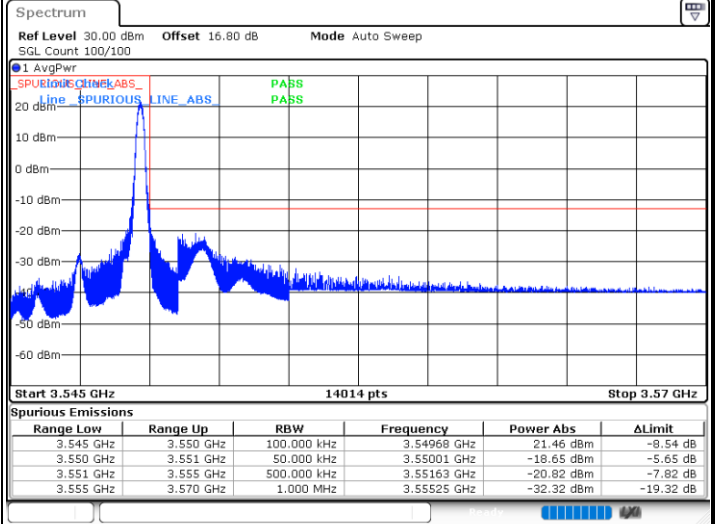
LTE Band 42 / 5MHz / 64QAM

Lowest Band Edge / 1RB



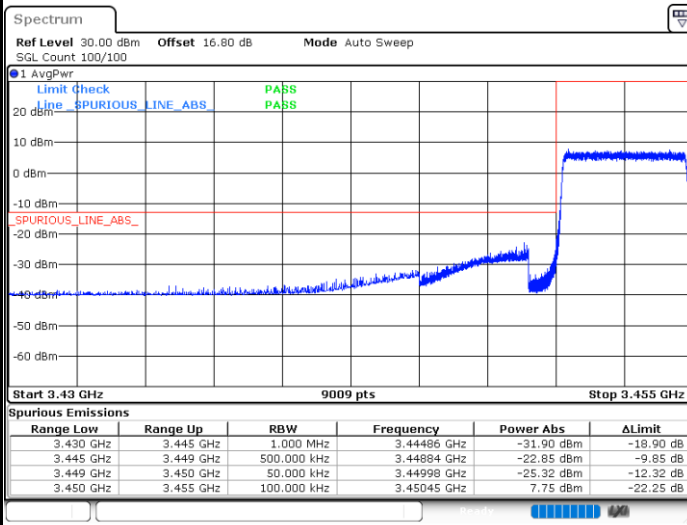
Date: 27.DEC.2023 15:36:49

Highest Band Edge / 1 RB



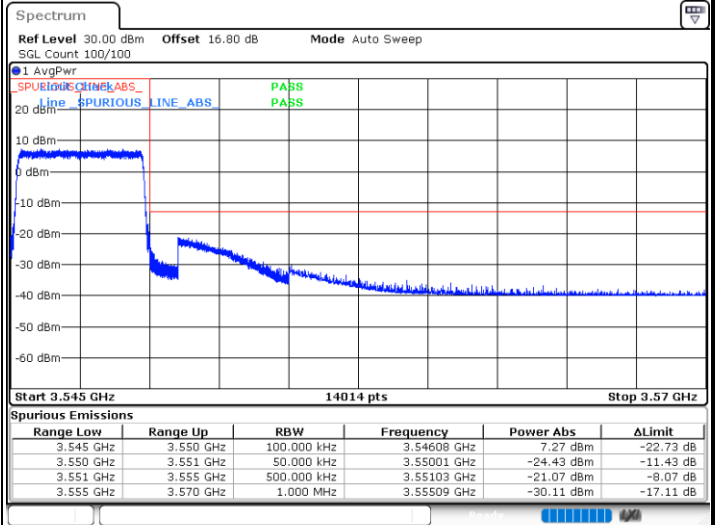
Date: 27.DEC.2023 15:43:47

Lowest Band Edge / Full RB



Date: 27.DEC.2023 15:40:18

Highest Band Edge / Full RB

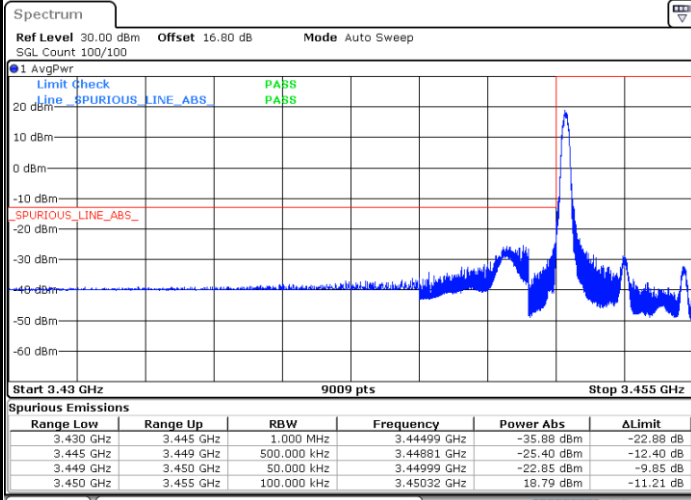


Date: 27.DEC.2023 15:47:16



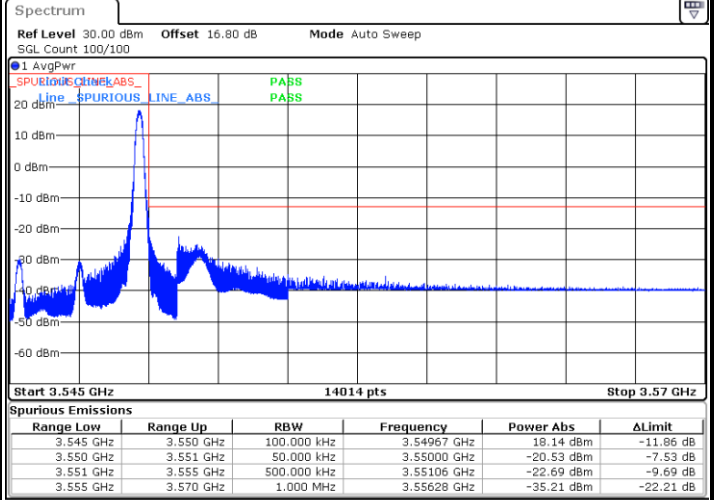
LTE Band 42 / 5MHz / 256QAM

Lowest Band Edge / 1RB



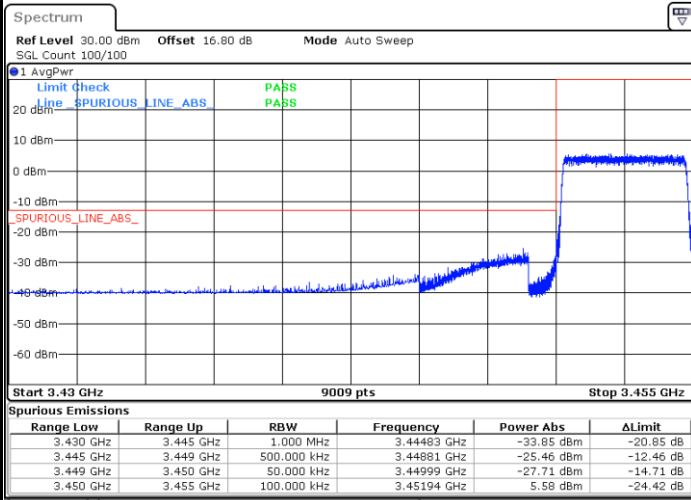
Date: 27.DEC.2023 15:37:40

Highest Band Edge / 1 RB



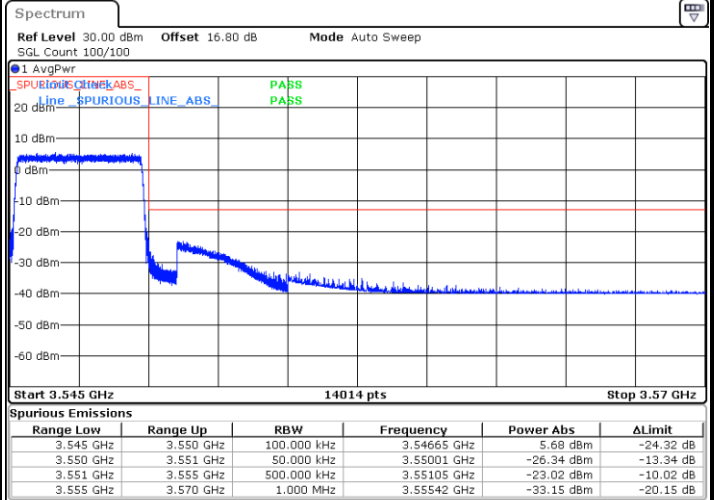
Date: 27.DEC.2023 15:44:39

Lowest Band Edge / Full RB



Date: 27.DEC.2023 15:41:09

Highest Band Edge / Full RB

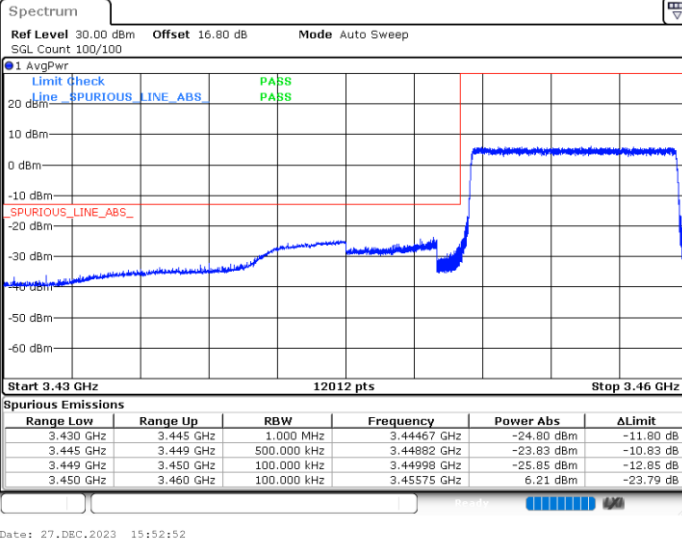


Date: 27.DEC.2023 15:48:08

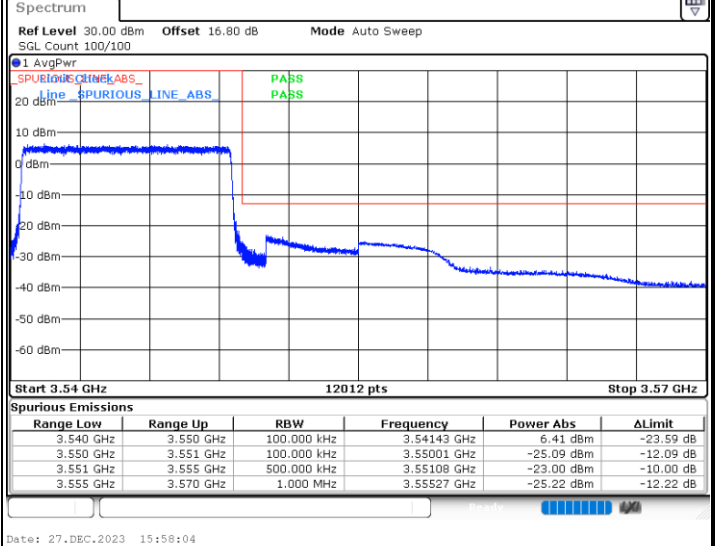


LTE Band 42 / 10MHz / QPSK

Lowest Band Edge / Full RB

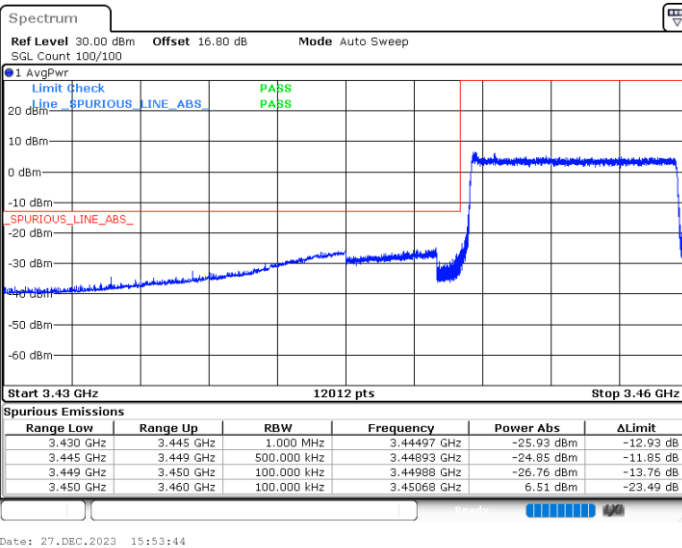


Highest Band Edge / Full RB

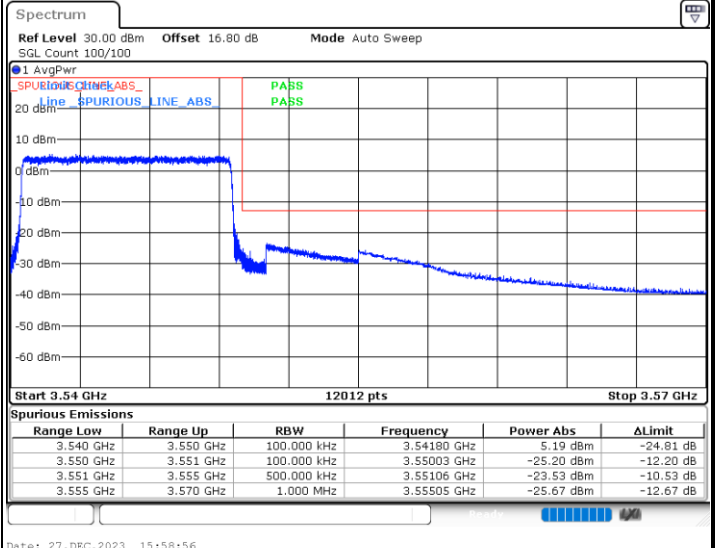


TE Band 42 / 10MHz / 16QAM

Lowest Band Edge / Full RB



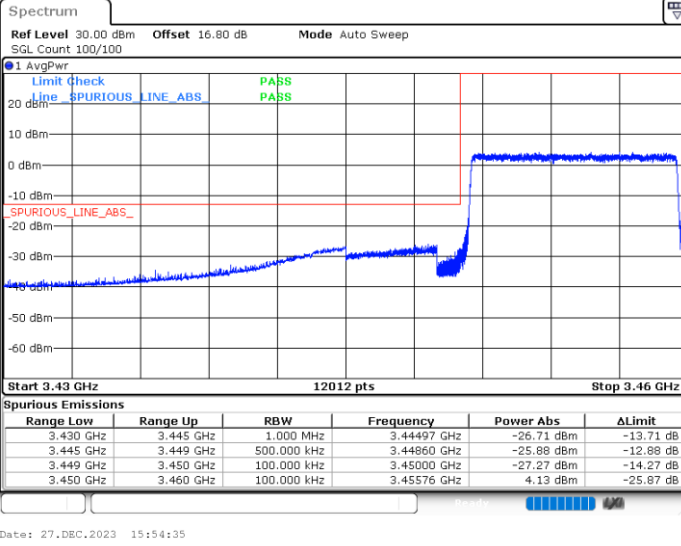
Highest Band Edge / Full RB



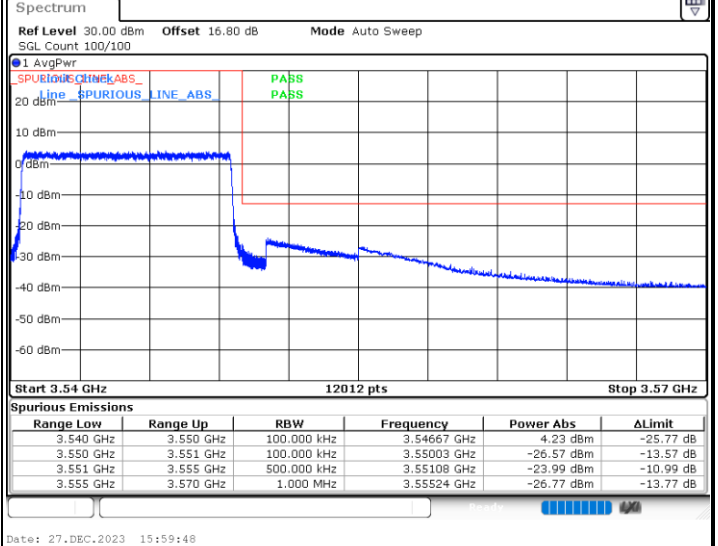


LTE Band 42 / 10MHz / 64QAM

Lowest Band Edge / Full RB

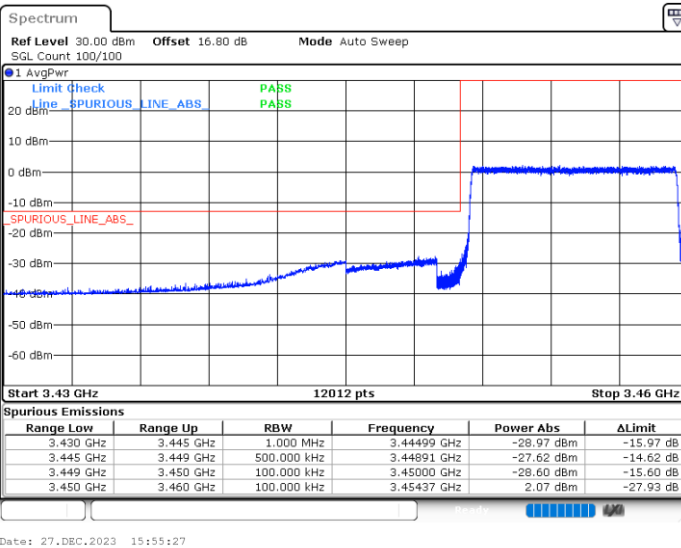


Highest Band Edge / Full RB

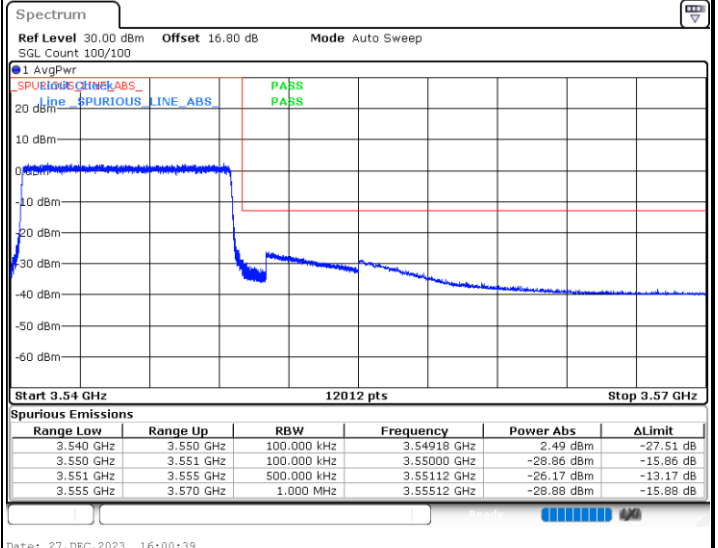


LTE Band 42 / 10MHz / 256QAM

Lowest Band Edge / Full RB



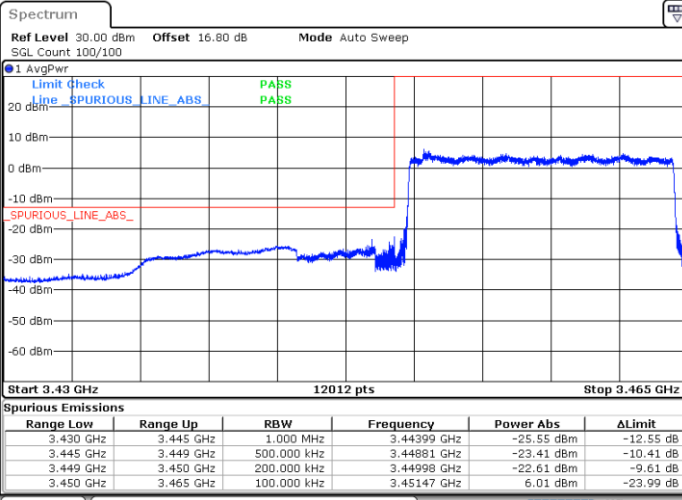
Highest Band Edge / Full RB





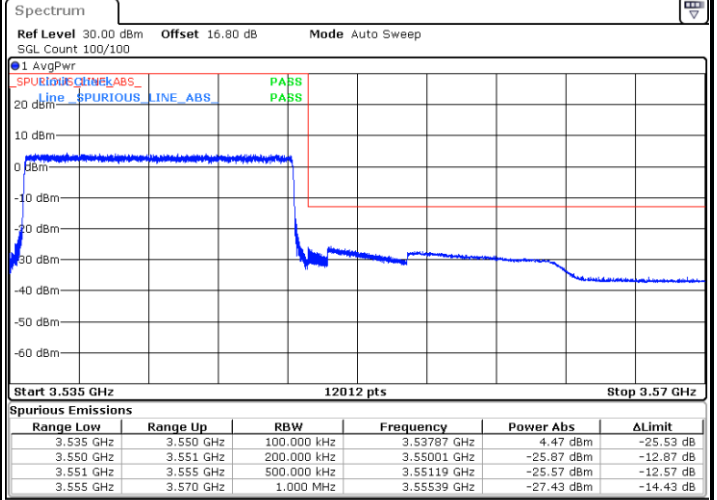
LTE Band 42 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:07:12

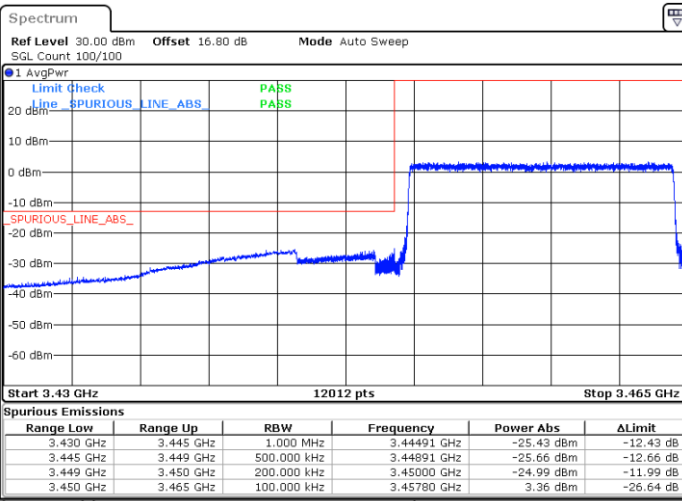
Highest Band Edge / Full RB



Date: 27.DEC.2023 16:10:42

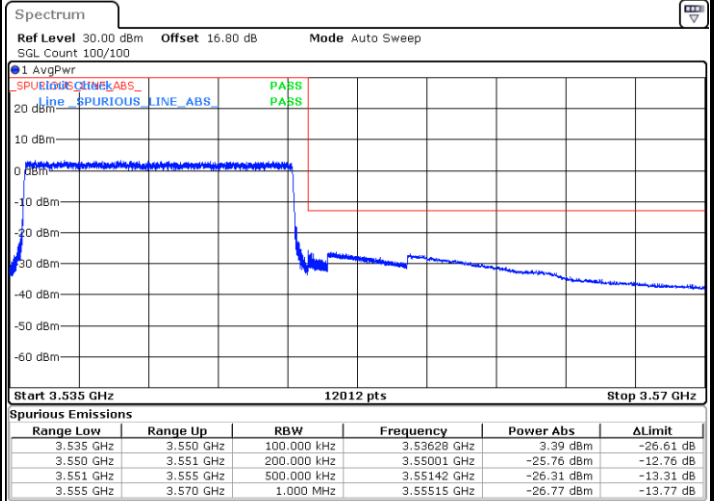
LTE Band 42 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:08:04

Highest Band Edge / Full RB

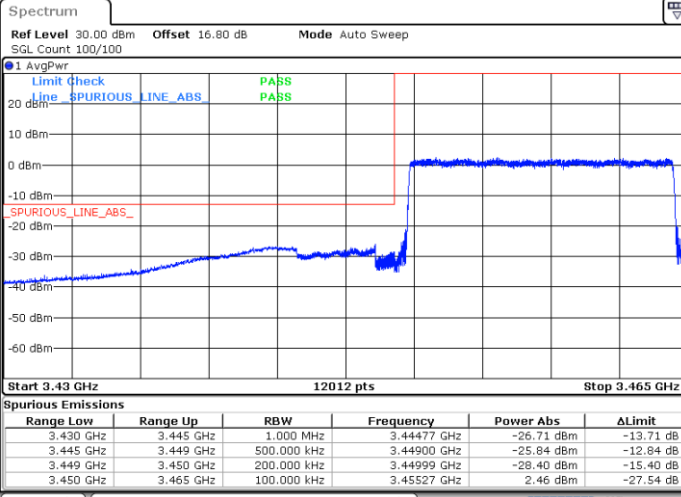


Date: 27.DEC.2023 16:11:33



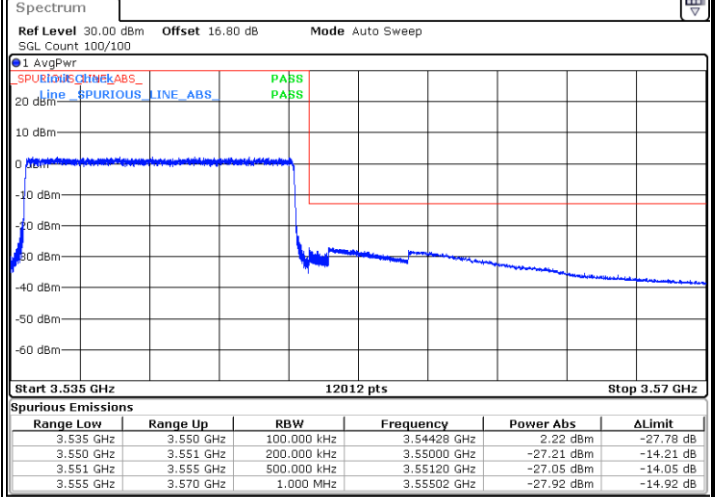
LTE Band 42 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:08:55

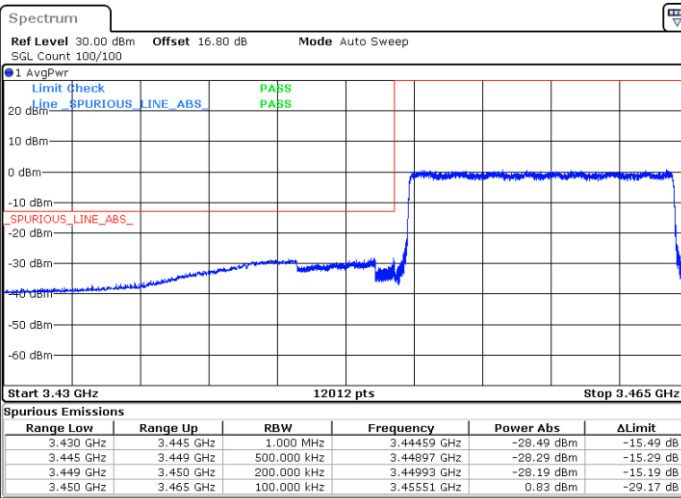
Highest Band Edge / Full RB



Date: 27.DEC.2023 16:12:25

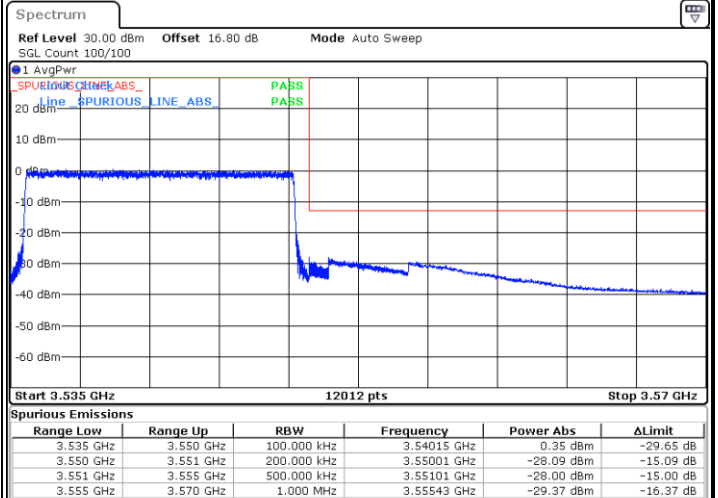
LTE Band 42 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:09:47

Highest Band Edge / Full RB

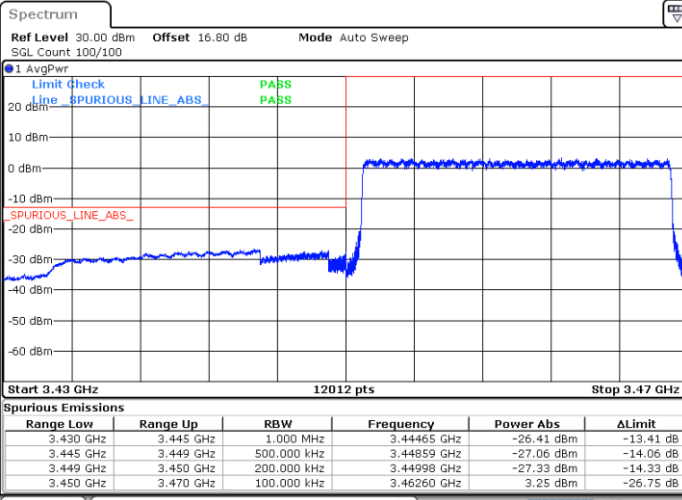


Date: 27.DEC.2023 16:13:16



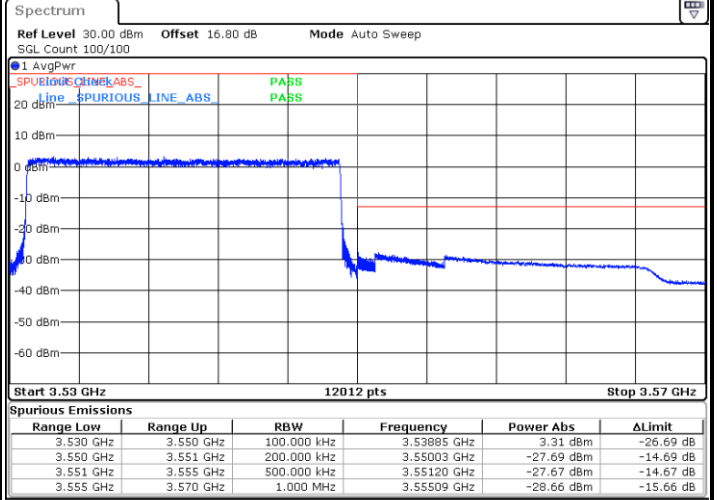
LTE Band 42 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:15:40

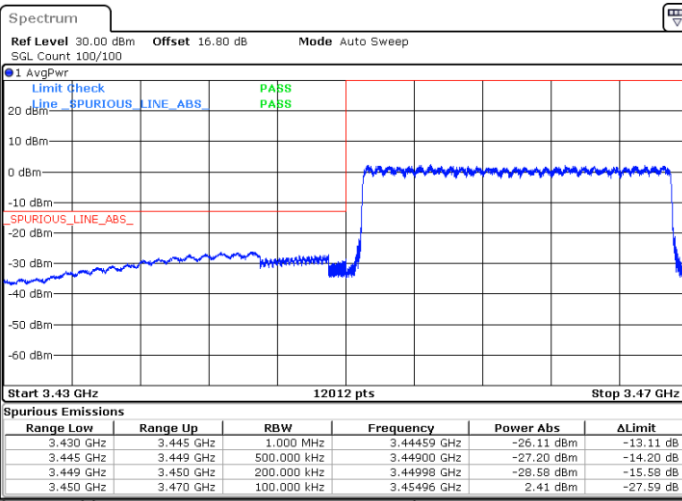
Highest Band Edge / Full RB



Date: 27.DEC.2023 16:19:10

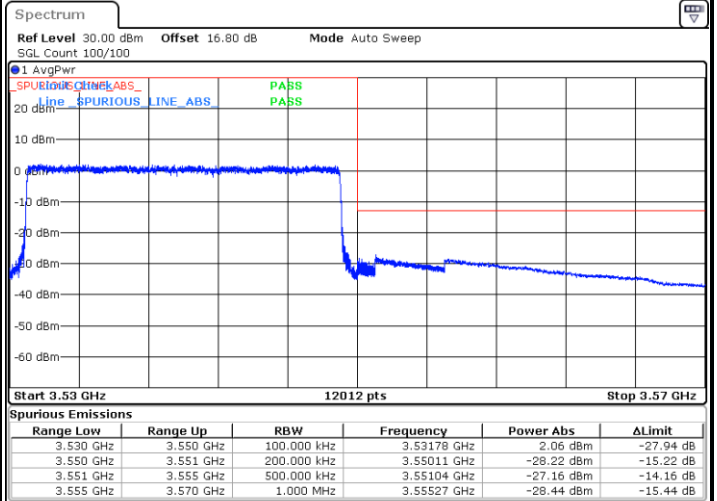
LTE Band 42 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:16:32

Highest Band Edge / Full RB

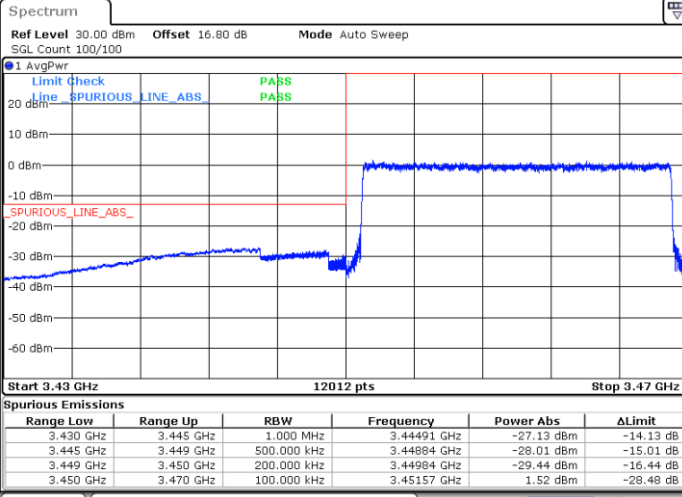


Date: 27.DEC.2023 16:20:02



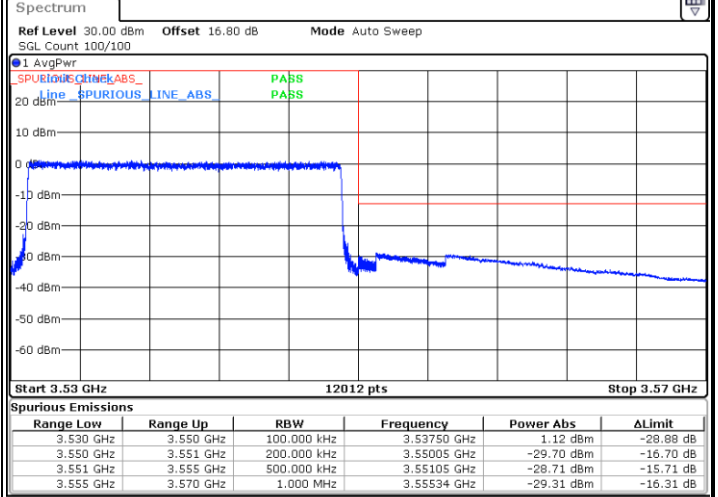
LTE Band 42 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:17:24

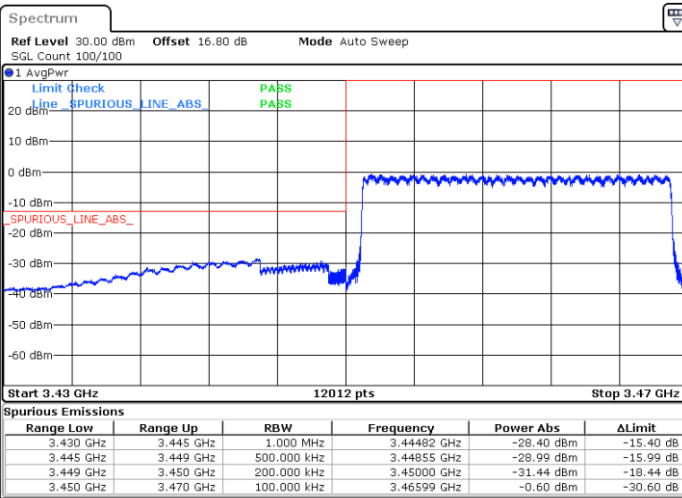
Highest Band Edge / Full RB



Date: 27.DEC.2023 16:20:53

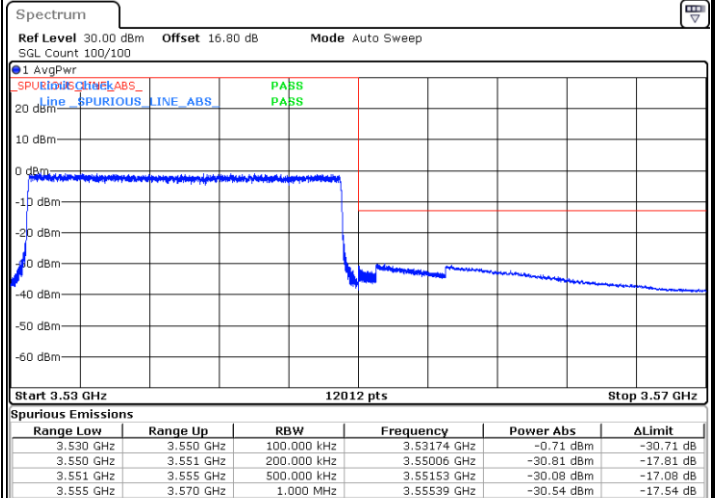
LTE Band 42 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.DEC.2023 16:18:15

Highest Band Edge / Full RB



Date: 27.DEC.2023 16:21:45

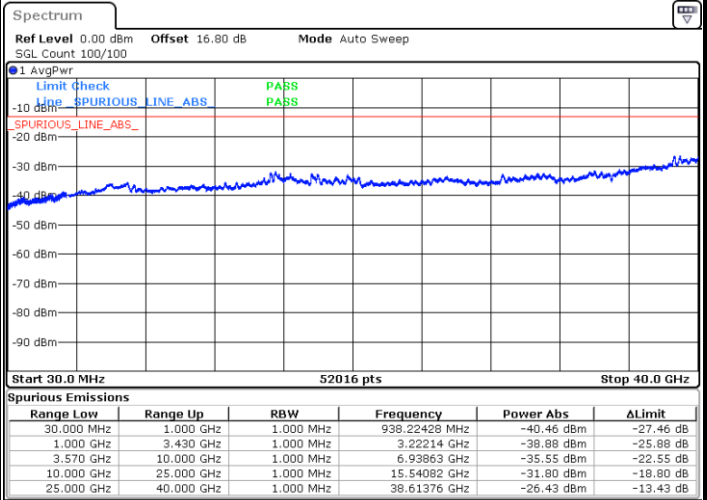
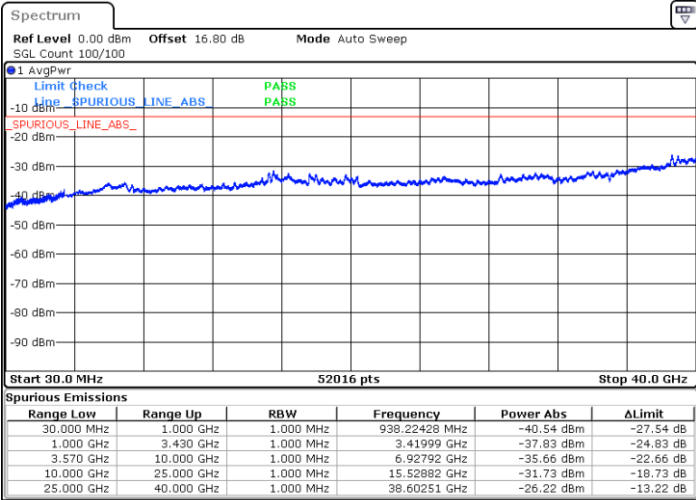


Conducted Spurious Emission

LTE Band 42 / 5MHz

Lowest Channel / QPSK

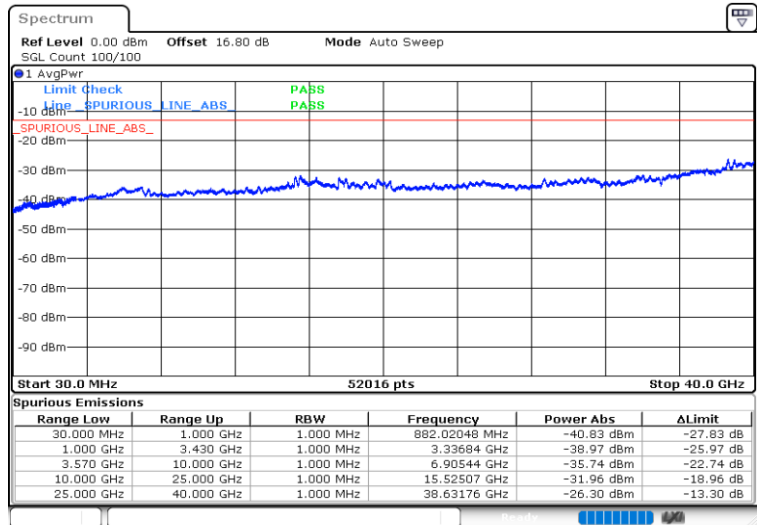
Middle Channel / QPSK



Date: 27.DEC.2023 15:49:28

Date: 27.DEC.2023 15:50:44

Highest Channel / QPSK



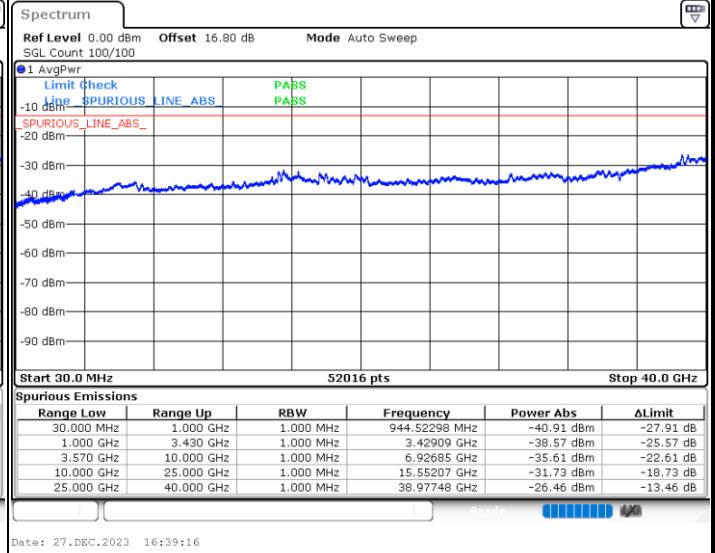
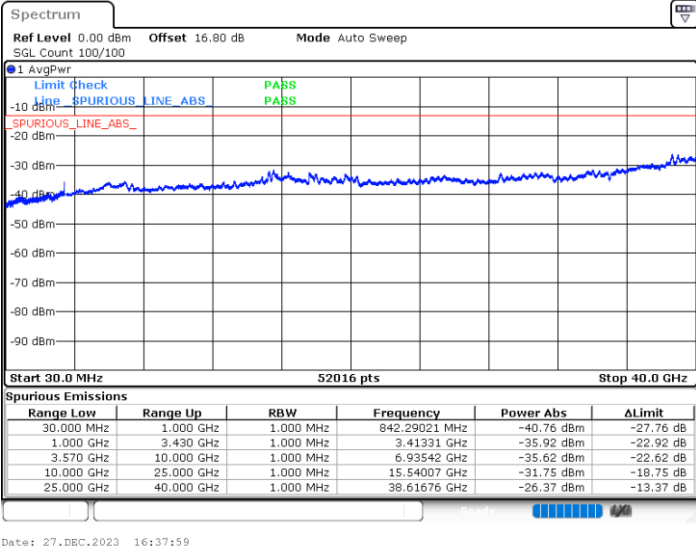
Date: 27.DEC.2023 15:52:00



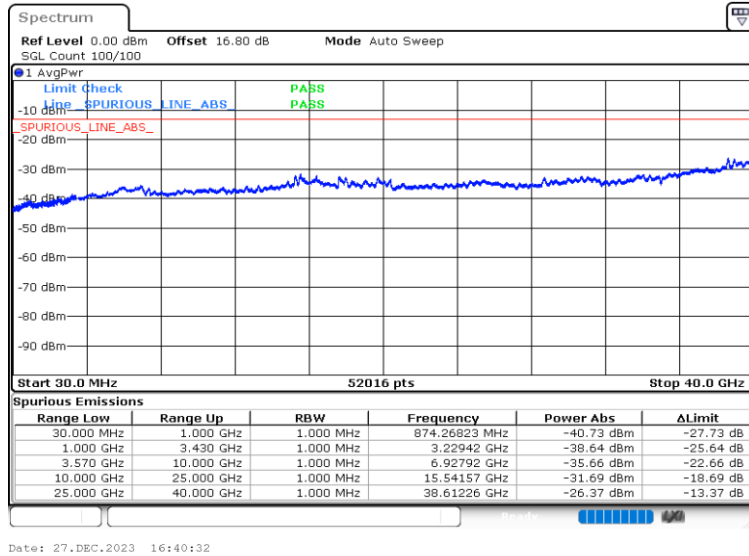
LTE Band 42 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

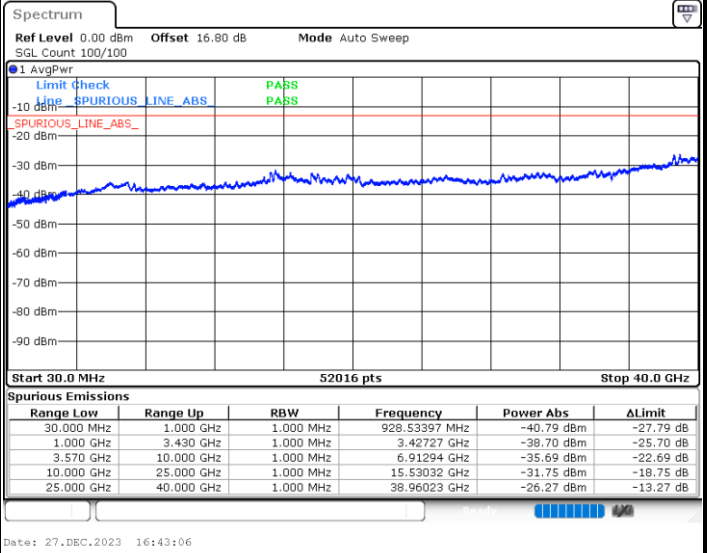
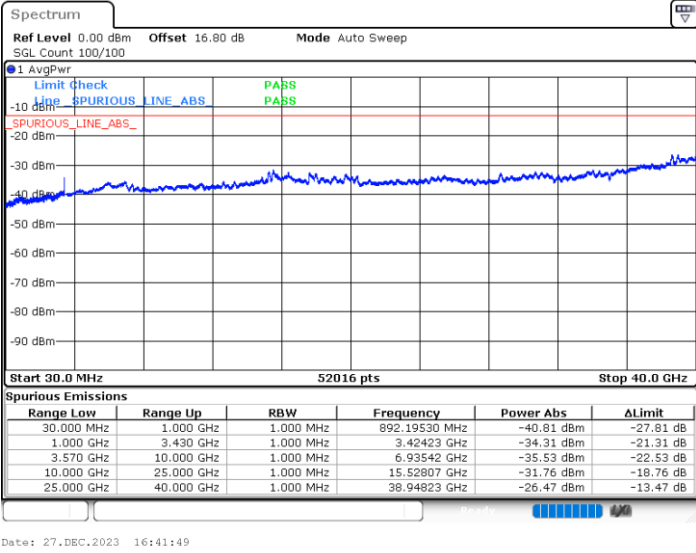




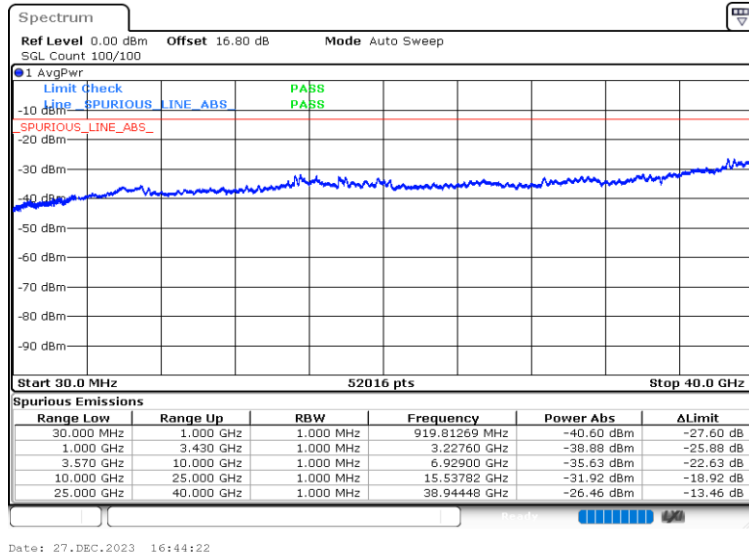
LTE Band 42 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

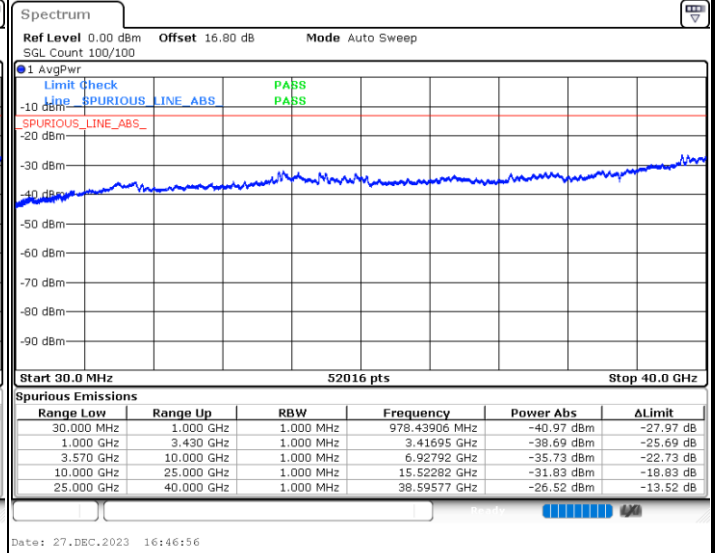
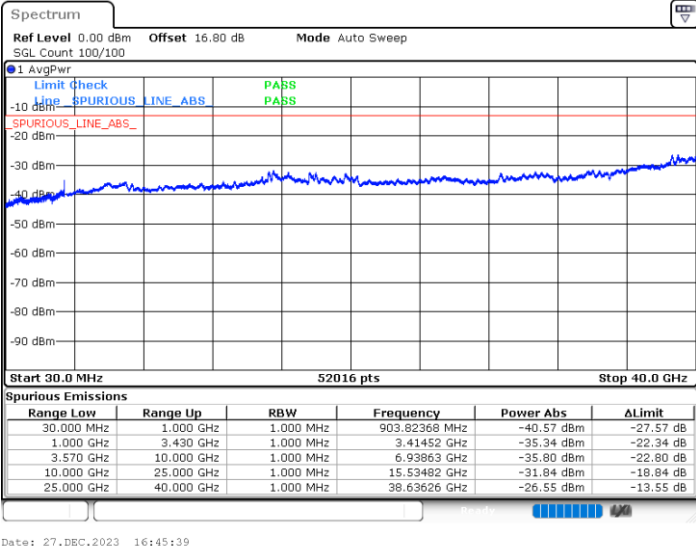




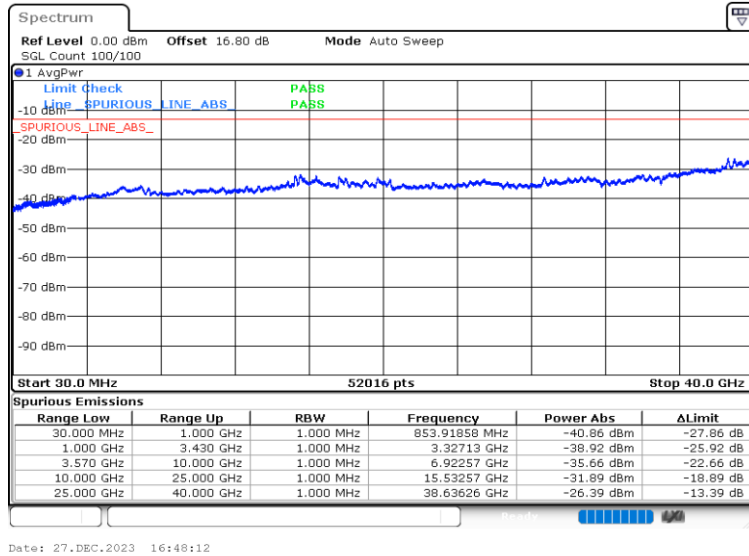
LTE Band 42 / 20MHz

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	0.0010	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0045	

Note:

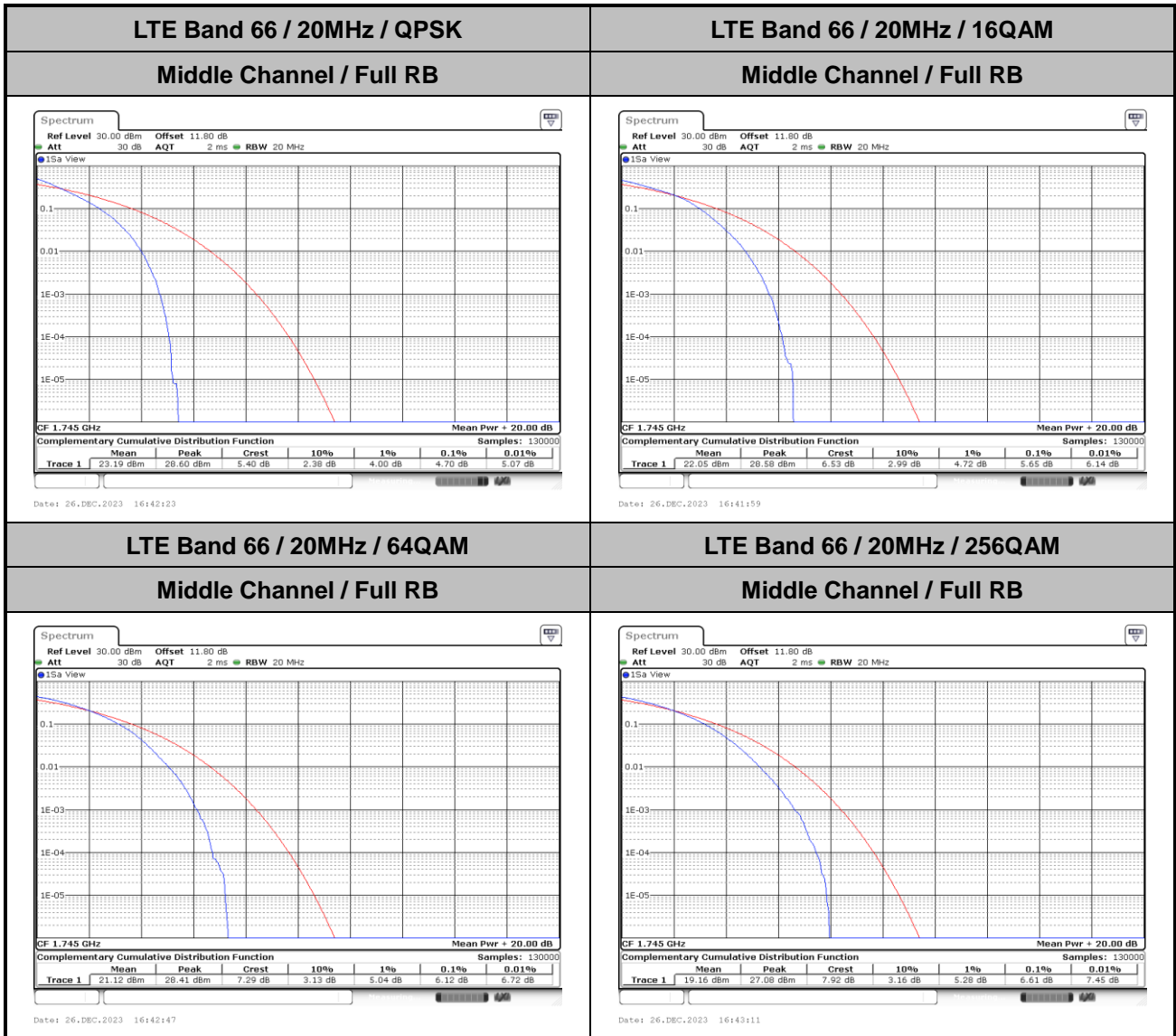
- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



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	4.70	5.65	6.12	6.61	PASS





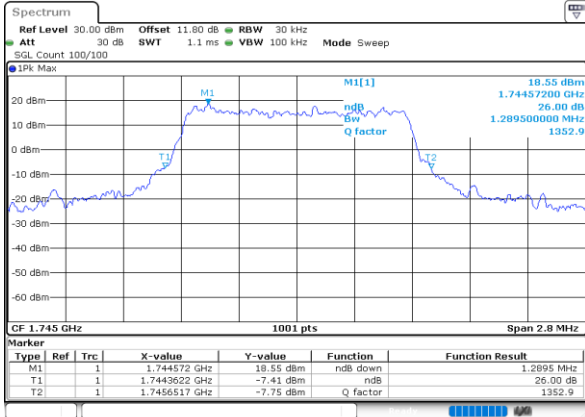
26dB Bandwidth

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	1.28	1.27	3.03	3.01	4.97	4.98	9.99	9.97	14.50	14.53	18.94	19.14
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	3.05	3.06	5.07	4.97	9.92	9.86	14.50	14.62	19.02	19.10



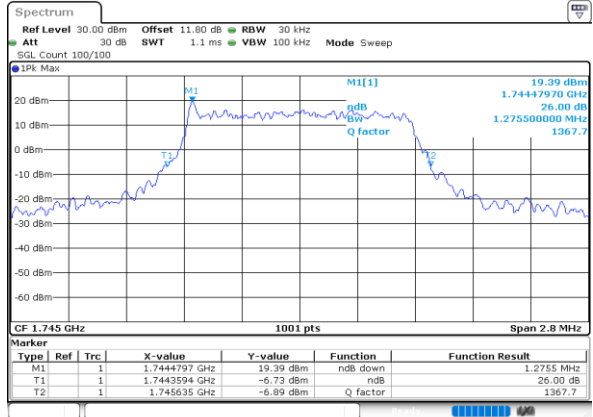
LTE Band 66

Middle Channel / 1.4MHz / QPSK



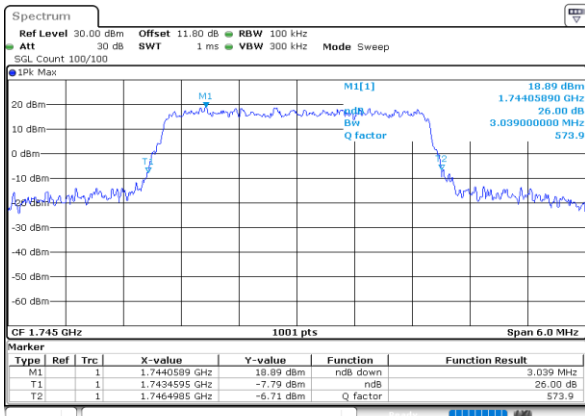
Date: 26.DEC.2023 14:39:55

Middle Channel / 1.4MHz / 16QAM



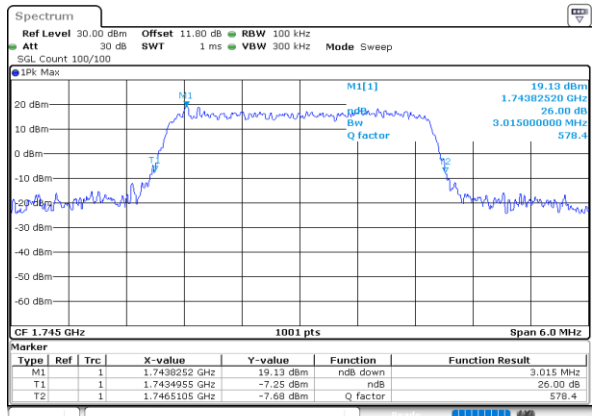
Date: 26.DEC.2023 14:40:18

Middle Channel / 3MHz / QPSK



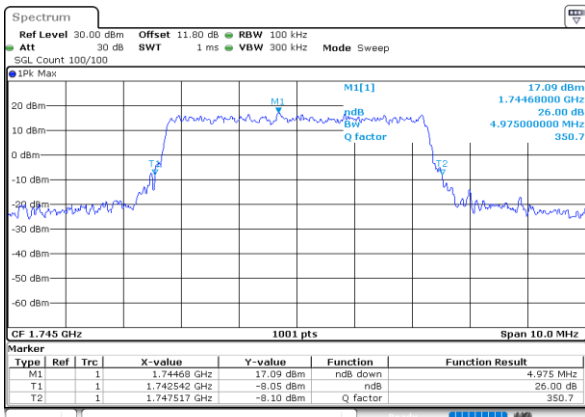
Date: 26.DEC.2023 15:04:13

Middle Channel / 3MHz / 16QAM



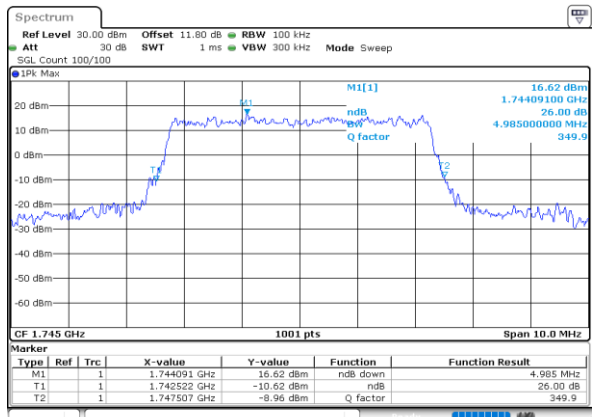
Date: 26.DEC.2023 15:04:36

Middle Channel / 5MHz / QPSK



Date: 26.DEC.2023 15:24:54

Middle Channel / 5MHz / 16QAM

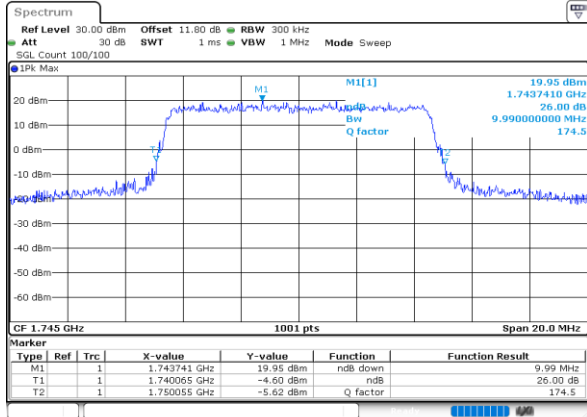


Date: 26.DEC.2023 15:25:17



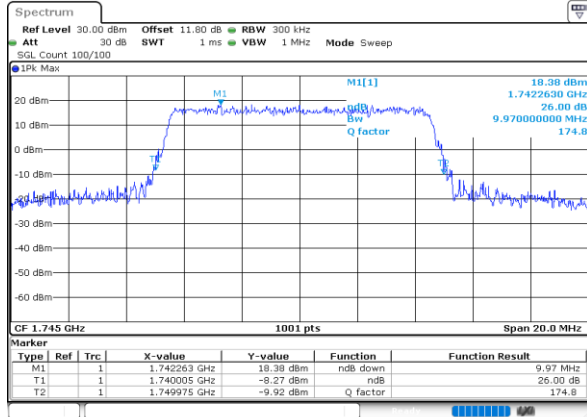
LTE Band 66

Middle Channel / 10MHz / QPSK



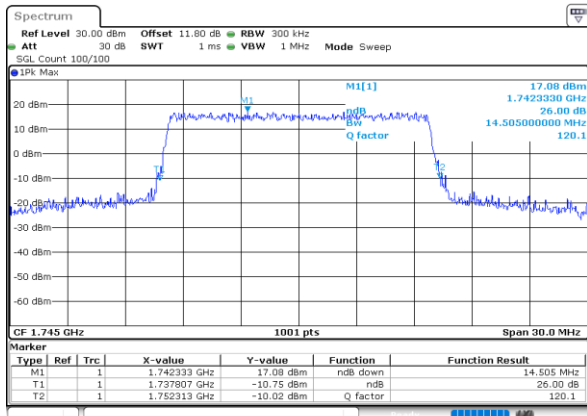
Date: 26.DEC.2023 15:45:01

Middle Channel / 10MHz / 16QAM



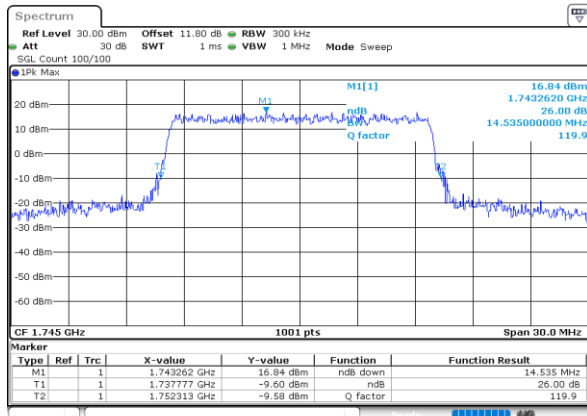
Date: 26.DEC.2023 15:45:24

Middle Channel / 15MHz / QPSK



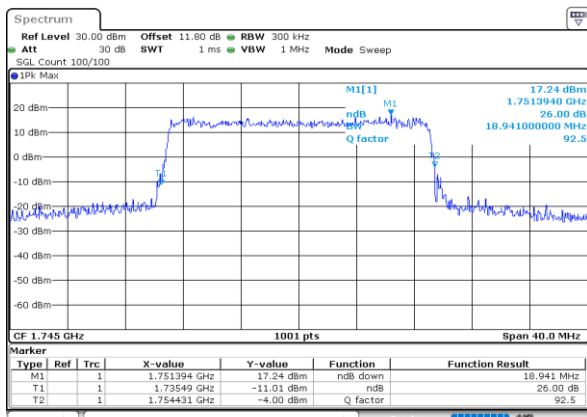
Date: 26.DEC.2023 16:07:01

Middle Channel / 15MHz / 16QAM



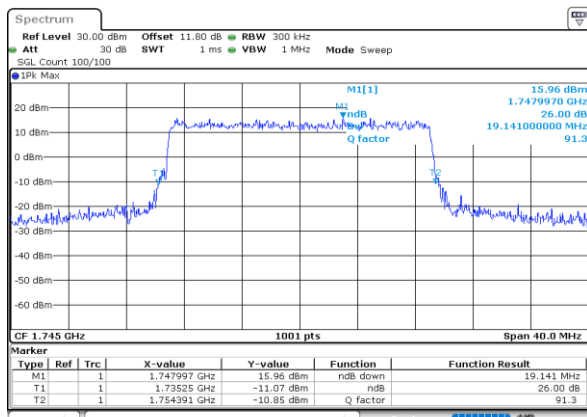
Date: 26.DEC.2023 16:07:24

Middle Channel / 20MHz / QPSK



Date: 26.DEC.2023 16:30:26

Middle Channel / 20MHz / 16QAM



Date: 26.DEC.2023 16:30:49