

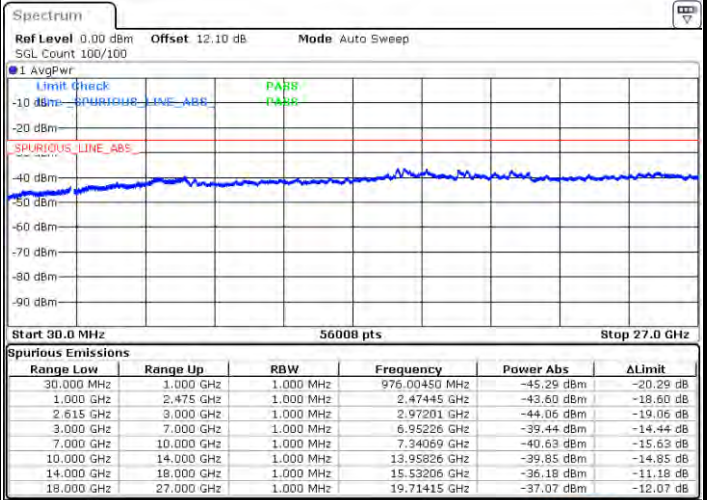
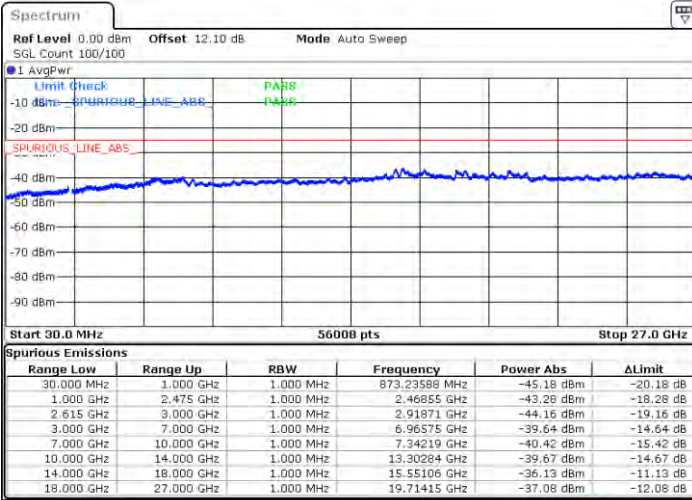


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0

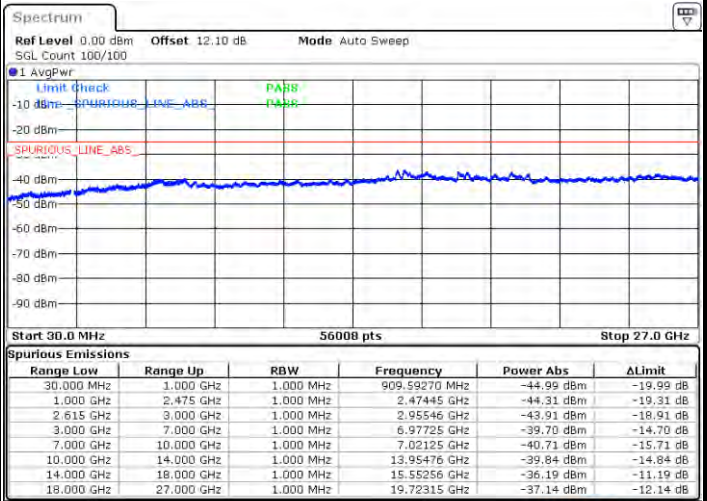
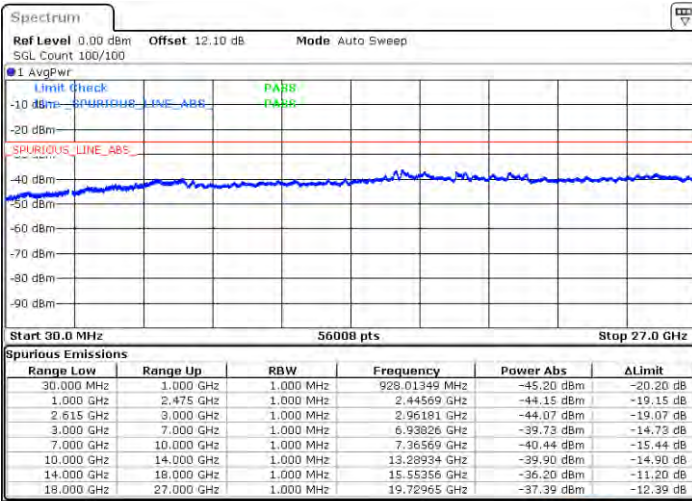


Date: 9 JAN 2024 17:28:58

Date: 9 JAN 2024 17:27:31

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Date: 9 JAN 2024 17:37:41

Date: 9 JAN 2024 17:38:08

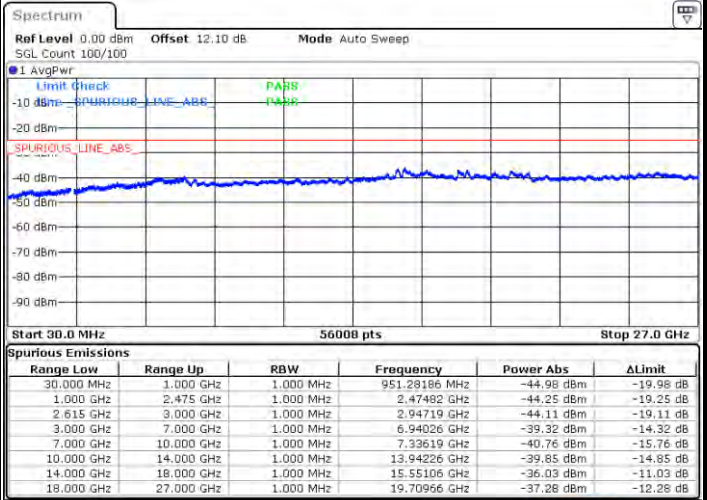
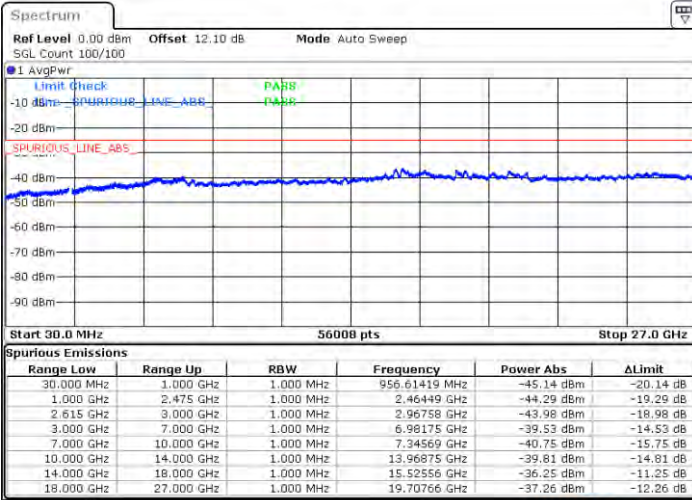


LTE Band 7C / 15MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



Date: 9. JAN. 2024 17:08:24

Date: 9. JAN. 2024 17:08:00

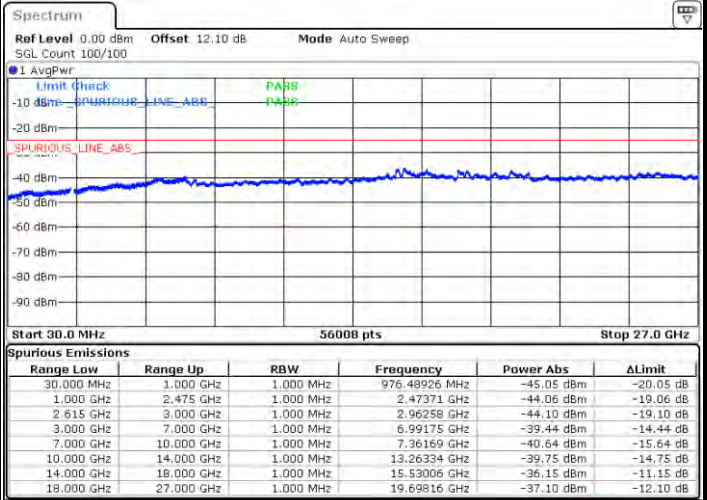
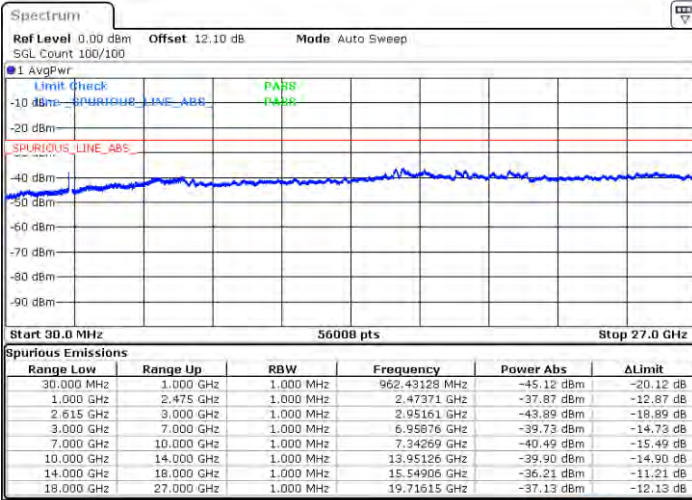


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0

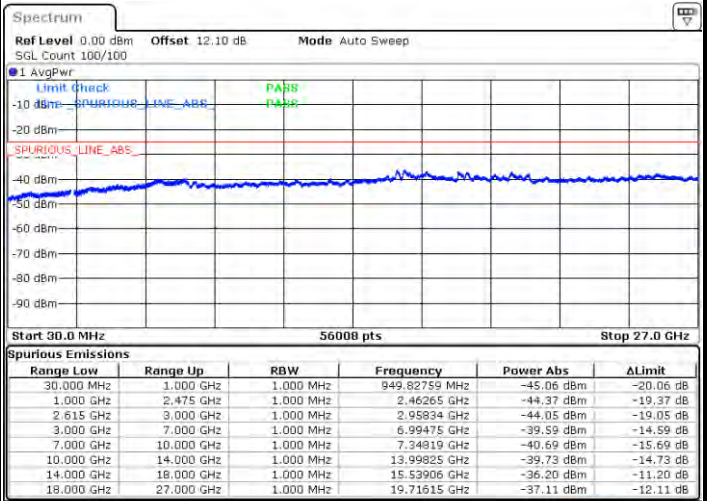
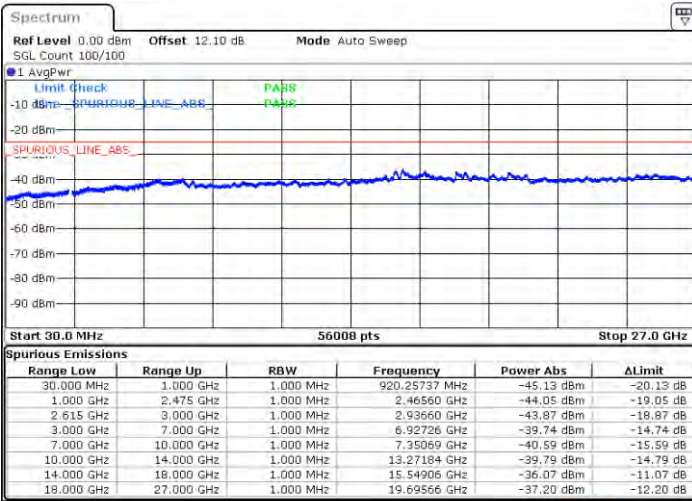


Date: 9.JAN.2024 15:54:48

Date: 9.JAN.2024 15:51:21

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



Date: 9.JAN.2024 16:03:29

Date: 9.JAN.2024 16:04:52

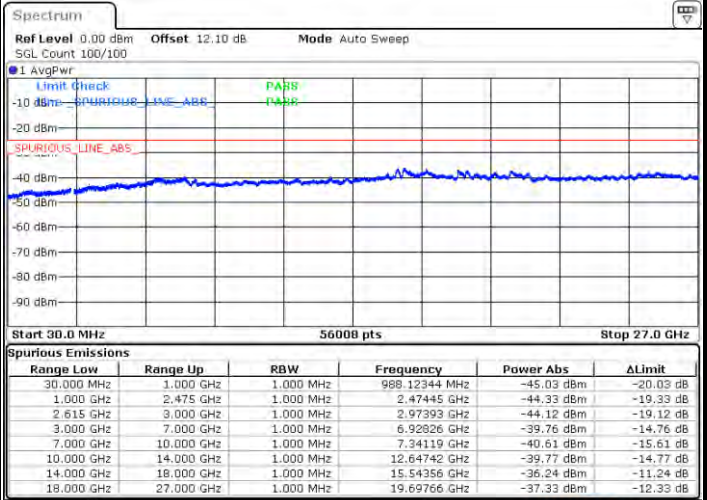
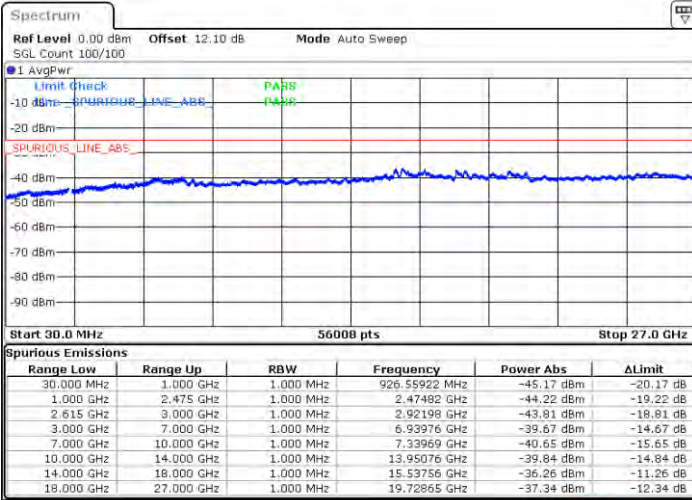


LTE Band 7C / 20MHz+10MHz

QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



Date: 9, JAN, 2024 15:35:13

Date: 9, JAN, 2024 15:35:49

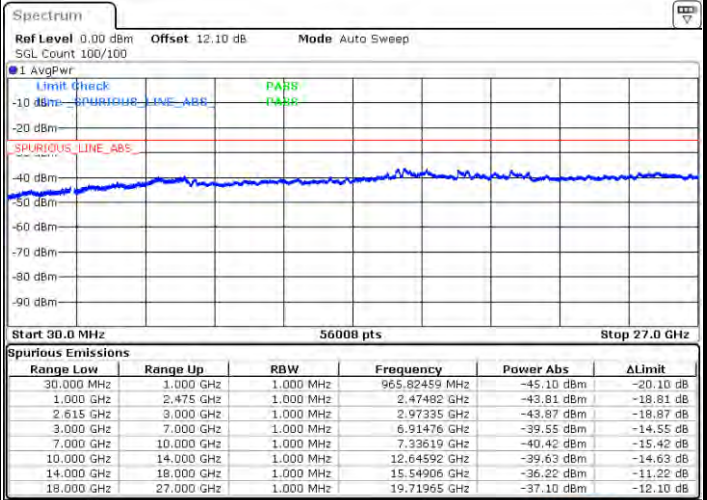
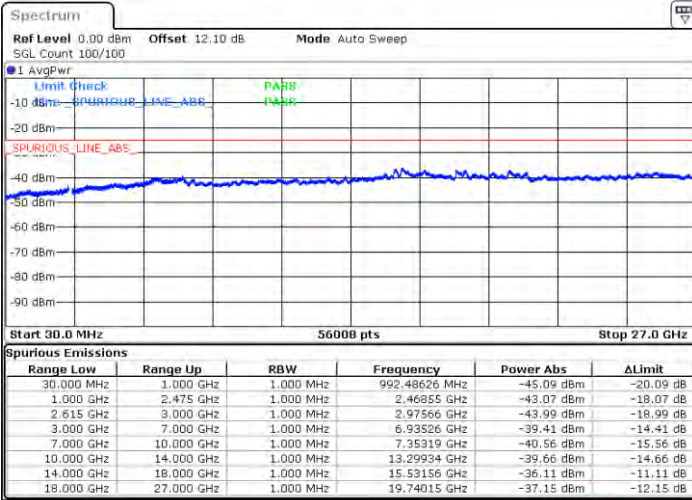


LTE Band 7C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0

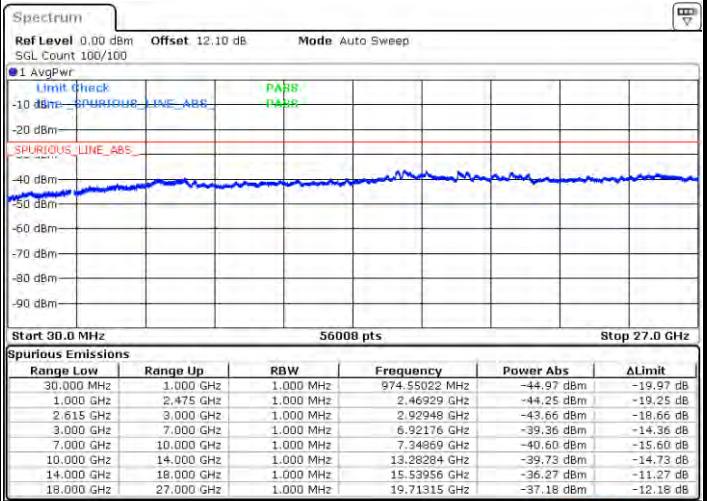
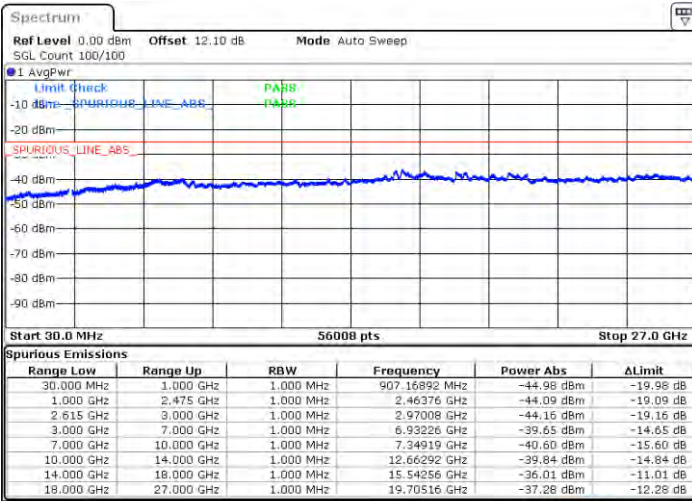


Date: 9 JAN 2024 18:18:06

Date: 9 JAN 2024 18:16:42

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Date: 9 JAN 2024 18:26:49

Date: 9 JAN 2024 18:26:13

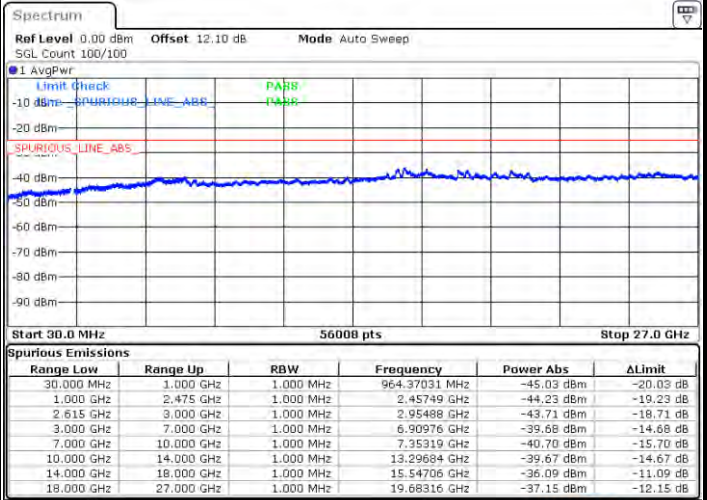
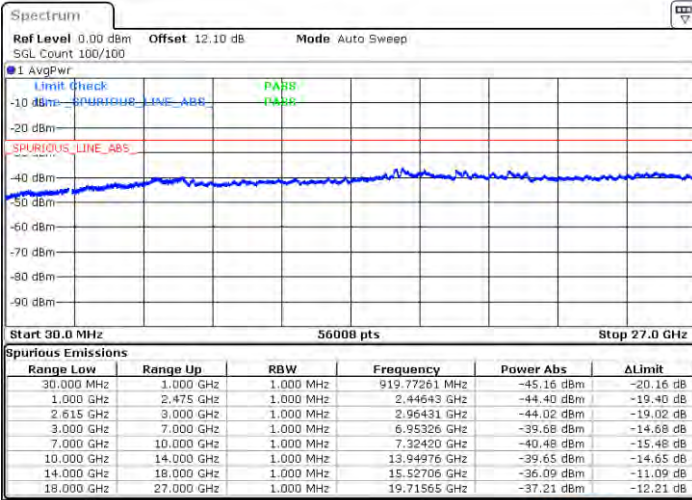


LTE Band 7C / 20MHz+15MHz

QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



Date: 9 JAN 2024 17:58:30

Date: 9 JAN 2024 17:57:09

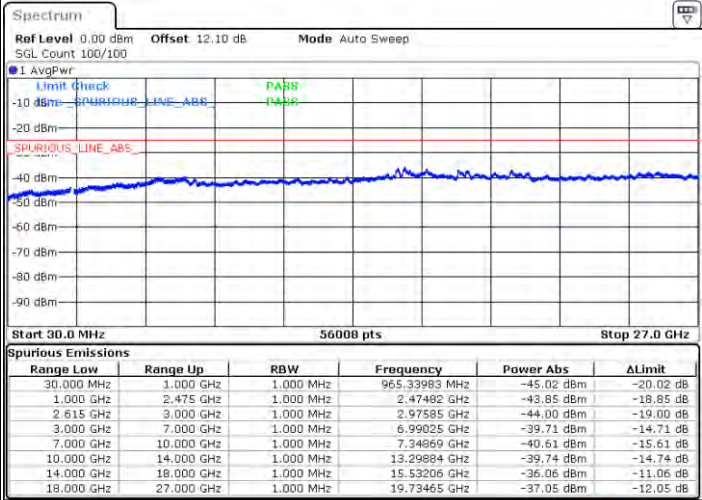
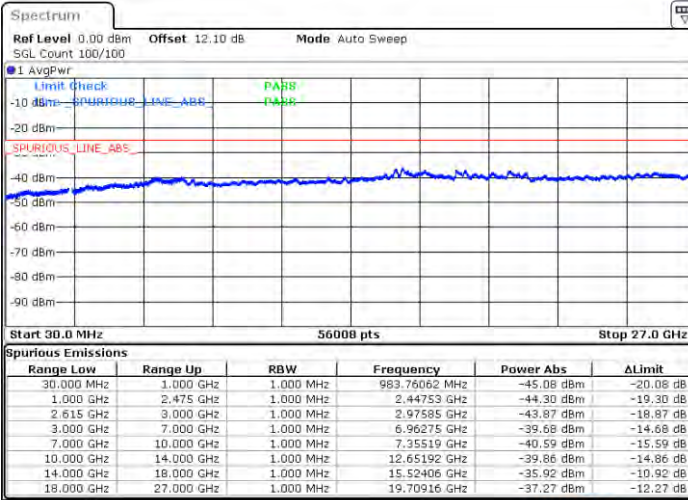


LTE Band 7C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

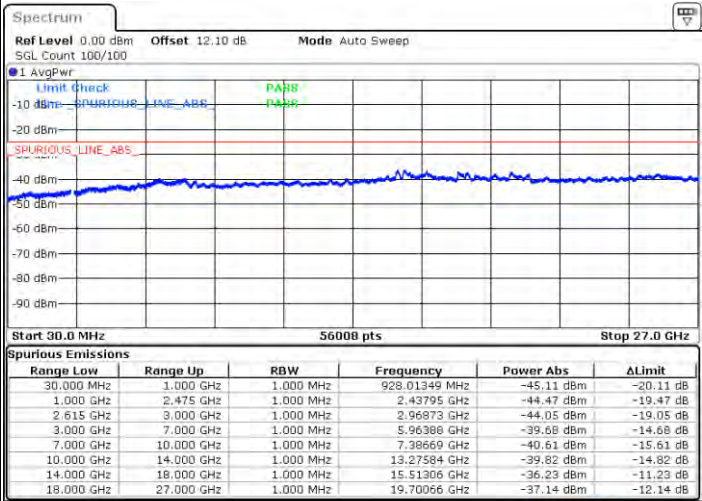
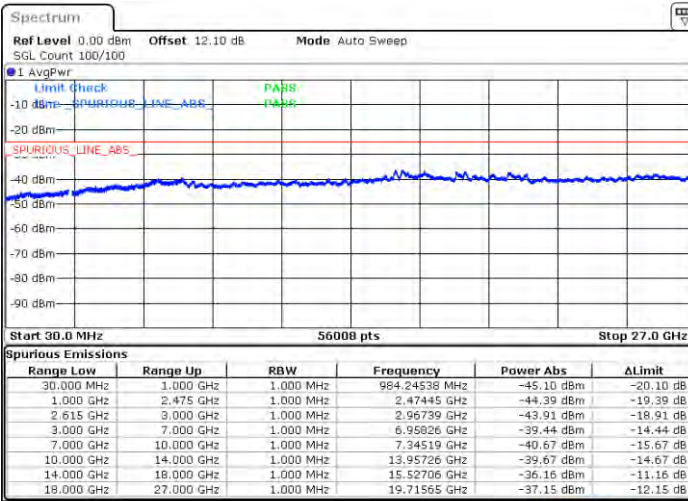


Date: 9 JAN 2024 19:01:55

Date: 9 JAN 2024 19:03:36

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 9 JAN 2024 19:11:48

Date: 9 JAN 2024 19:11:48

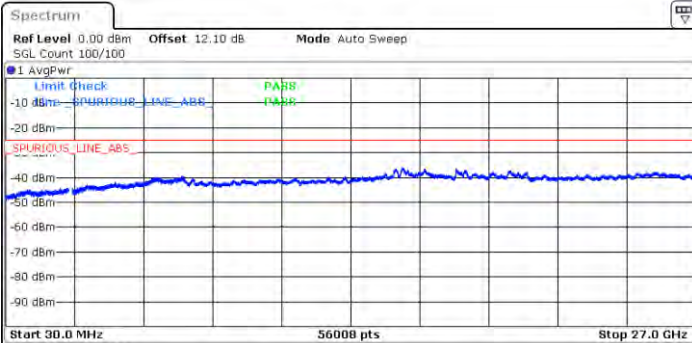


LTE Band 7C / 20MHz+20MHz

QPSK

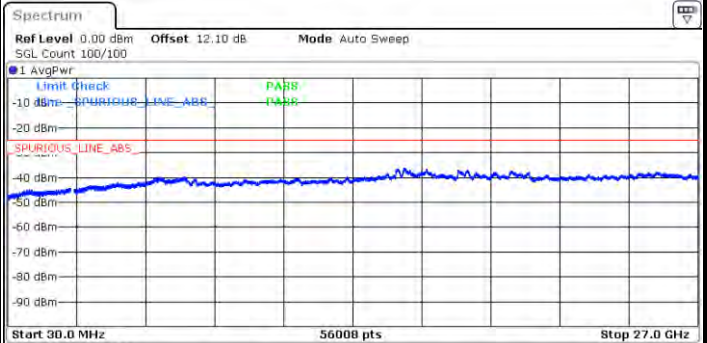
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-44.99 dBm	-19.99 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.43426 GHz	-44.47 dBm	-19.47 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96142 GHz	-43.71 dBm	-18.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93776 GHz	-39.34 dBm	-14.34 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.35119 GHz	-40.60 dBm	-15.60 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95926 GHz	-39.75 dBm	-14.75 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.54556 GHz	-36.06 dBm	-11.06 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71415 GHz	-37.27 dBm	-12.27 dB

Date: 9, JAN, 2024 18:46:02



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.93103 MHz	-44.77 dBm	-19.77 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45933 GHz	-44.45 dBm	-19.45 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96008 GHz	-43.96 dBm	-18.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.92438 GHz	-39.70 dBm	-14.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.36119 GHz	-40.60 dBm	-15.60 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.26134 GHz	-39.63 dBm	-14.63 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.55206 GHz	-36.12 dBm	-11.12 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71415 GHz	-37.23 dBm	-12.23 dB

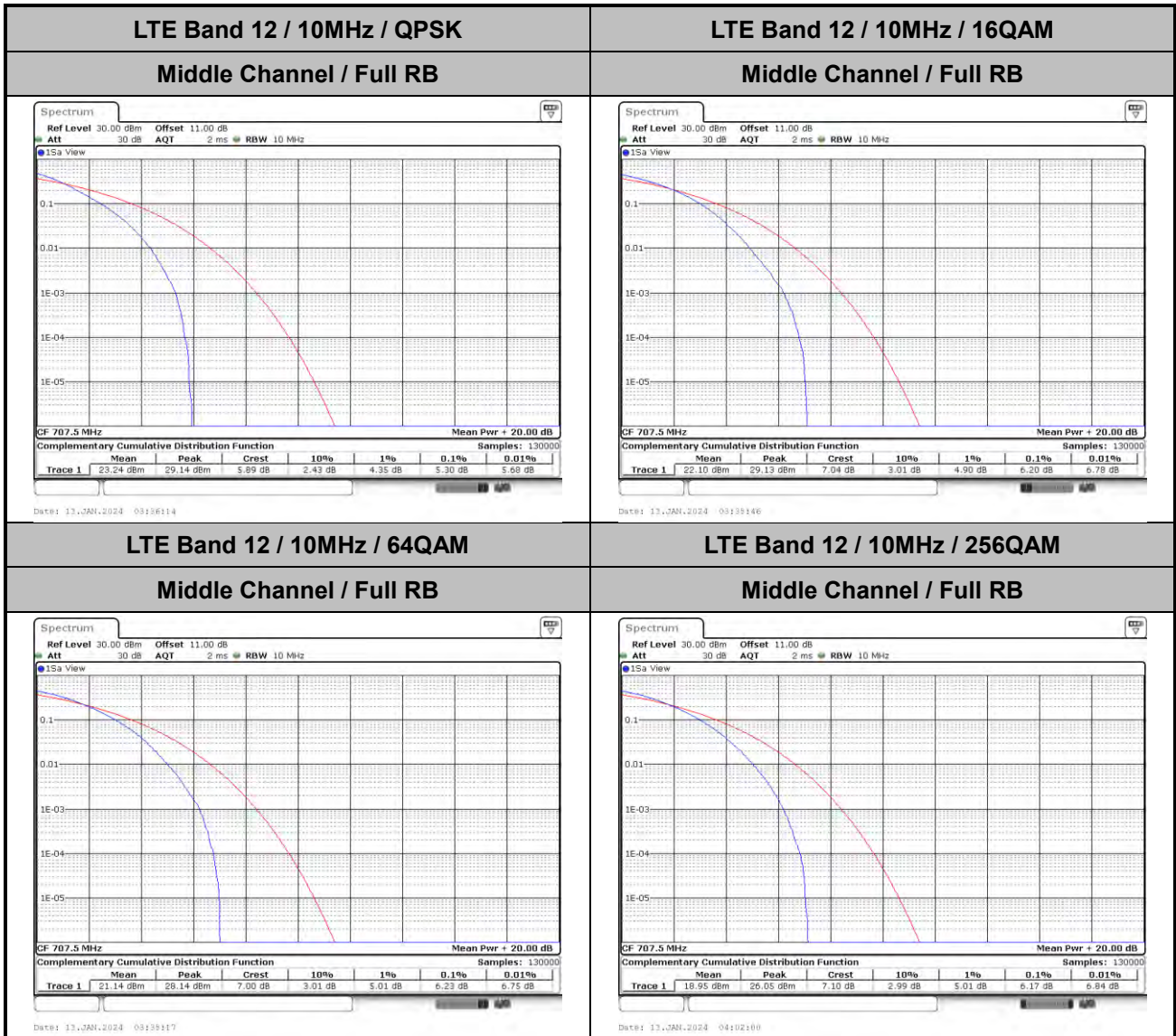
Date: 9, JAN, 2024 18:44:43



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	5.30	6.20	6.23	6.17	PASS





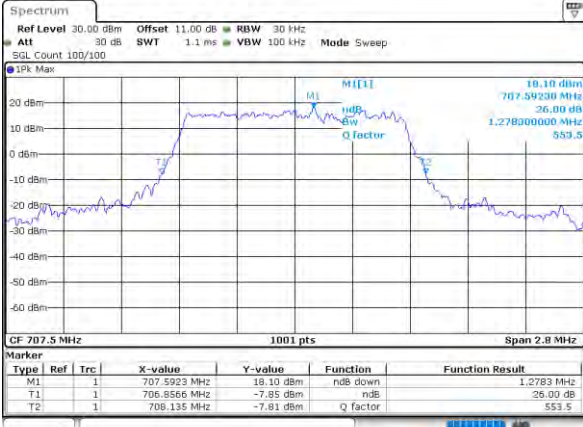
26dB Bandwidth

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	1.27	1.32	3.10	3.09	4.99	4.94	9.91	9.92	-	-	-	-
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	1.28	1.30	3.12	3.09	5.06	5.02	10.05	9.97	-	-	-	-



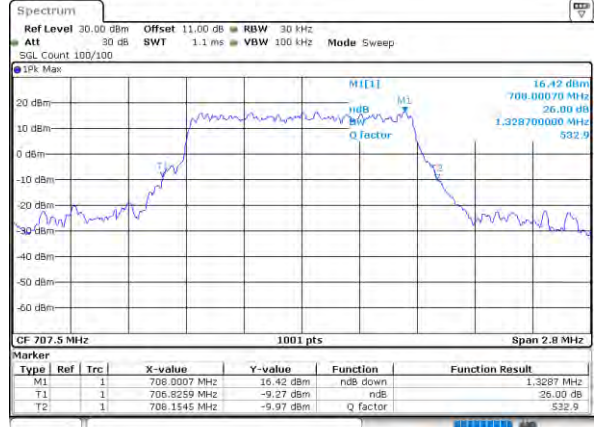
LTE Band 12

Middle Channel / 1.4MHz / QPSK



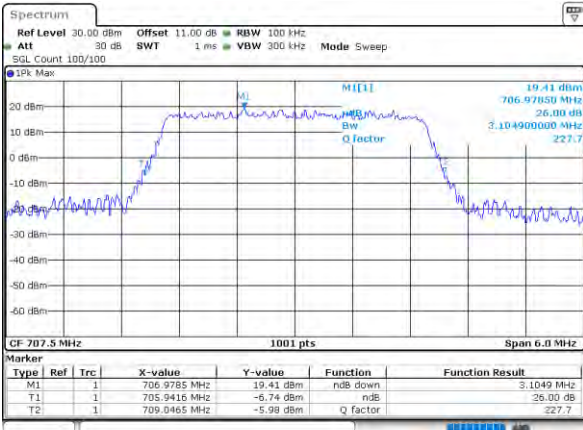
Date: 13_JAN_2024 02:49:03

Middle Channel / 1.4MHz / 16QAM



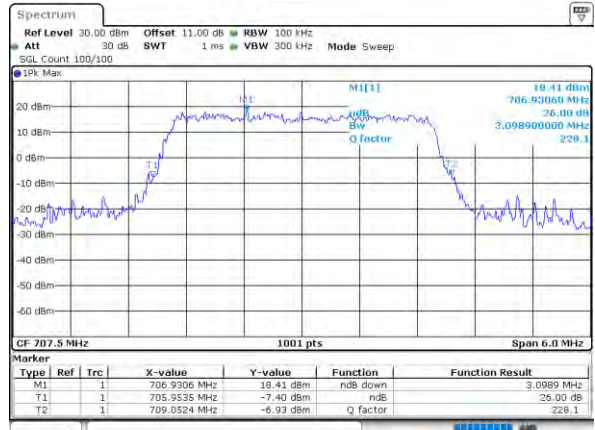
Date: 13_JAN_2024 02:49:31

Middle Channel / 3MHz / QPSK



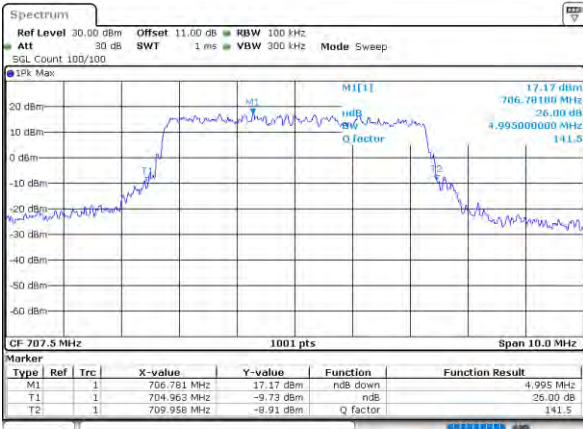
Date: 13_JAN_2024 03:07:07

Middle Channel / 3MHz / 16QAM



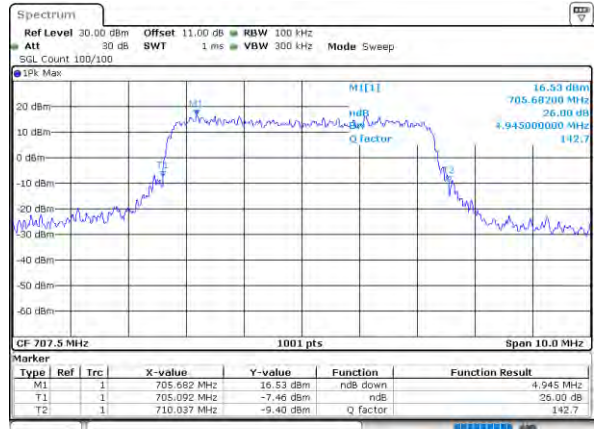
Date: 13_JAN_2024 03:07:33

Middle Channel / 5MHz / QPSK



Date: 13_JAN_2024 03:21:04

Middle Channel / 5MHz / 16QAM

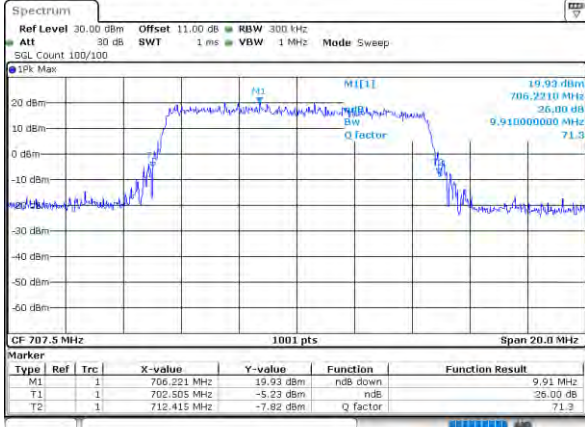


Date: 13_JAN_2024 03:21:32



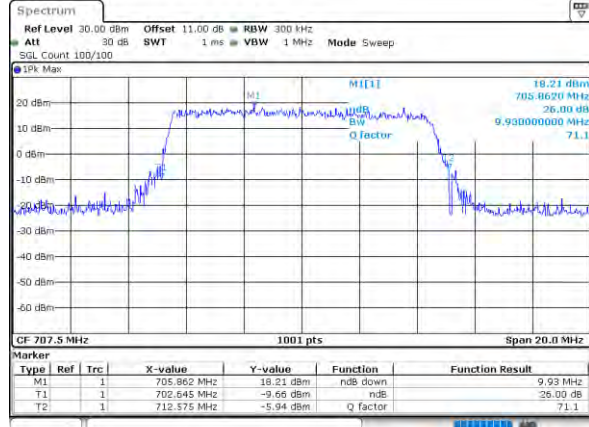
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 13_JAN_2024 03:29:10

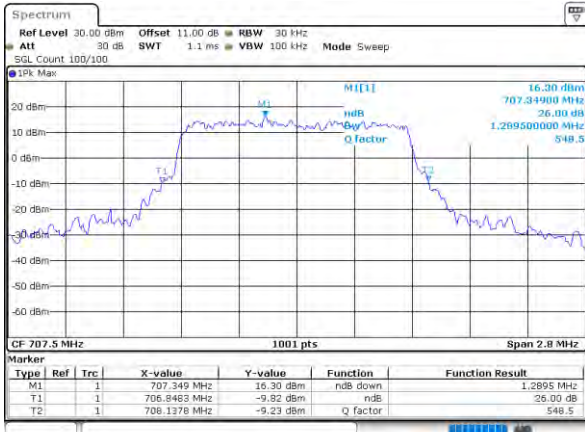
Middle Channel / 10MHz / 16QAM



Date: 13_JAN_2024 03:29:38

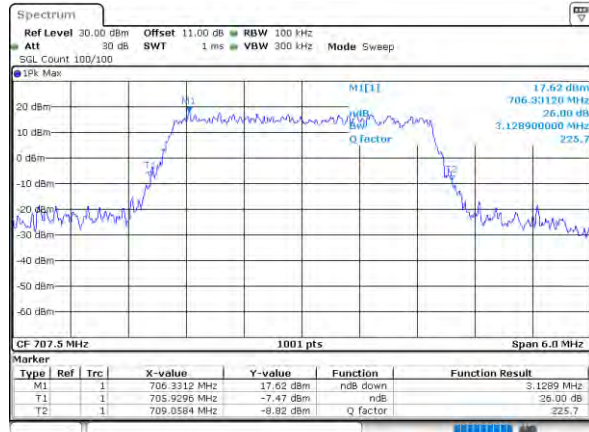
LTE Band 12

Middle Channel / 1.4MHz / 64QAM



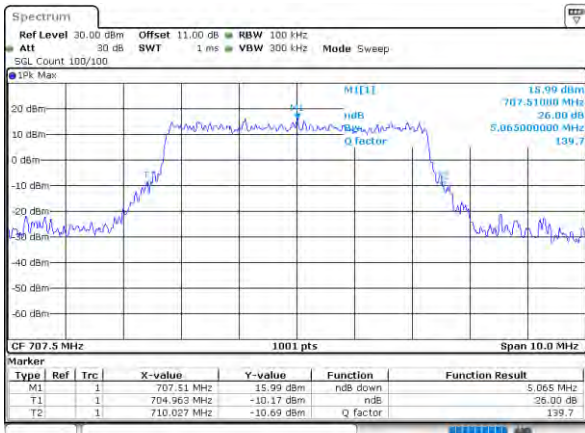
Date: 13_JAN_2024 02:15:30

Middle Channel / 3MHz / 64QAM



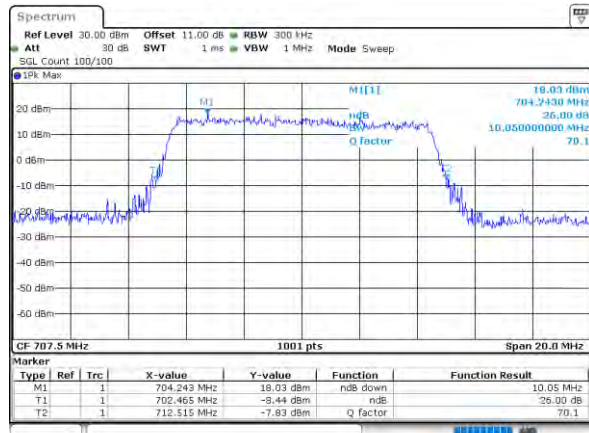
Date: 13_JAN_2024 03:11:38

Middle Channel / 5MHz / 64QAM



Date: 13_JAN_2024 03:16:33

Middle Channel / 10MHz / 64QAM

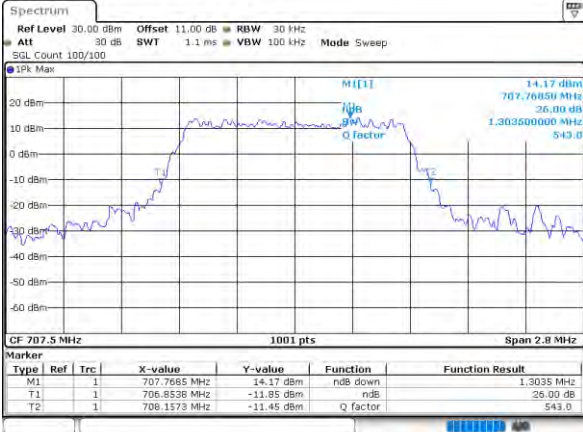


Date: 13_JAN_2024 03:33:41



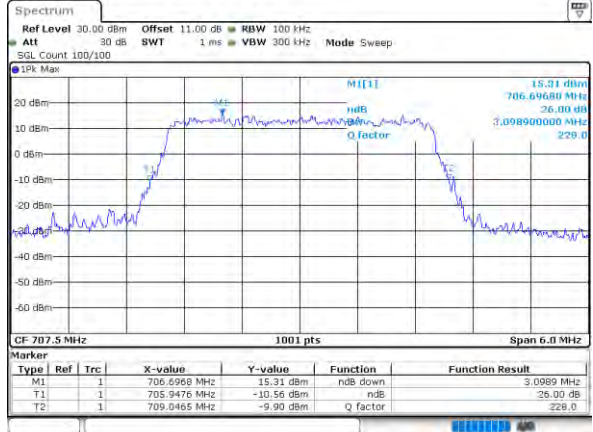
LTE Band 12

Middle Channel / 1.4MHz / 256QAM



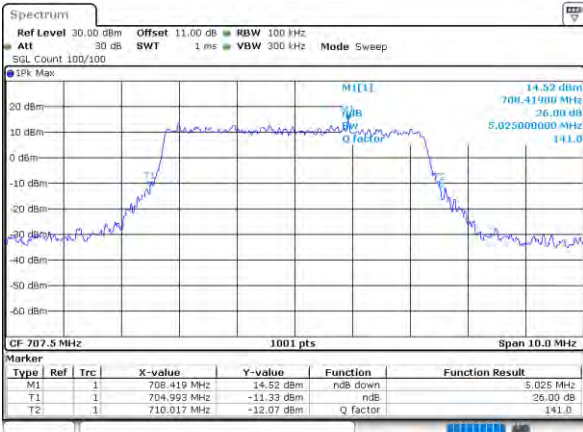
Date: 13_JAN_2024 03:58:14

Middle Channel / 3MHz / 256QAM



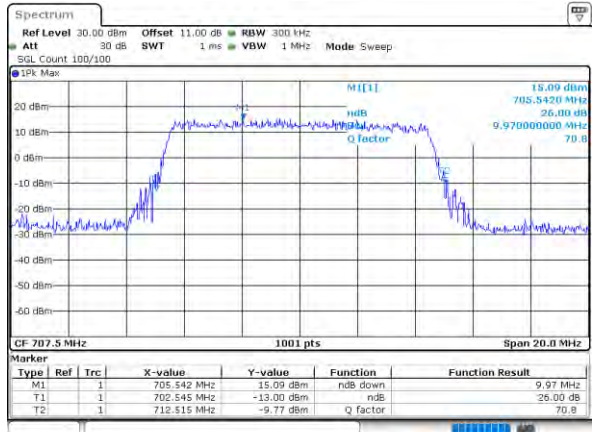
Date: 13_JAN_2024 03:54:23

Middle Channel / 5MHz / 256QAM



Date: 13_JAN_2024 03:57:23

Middle Channel / 10MHz / 256QAM



Date: 13_JAN_2024 04:00:24



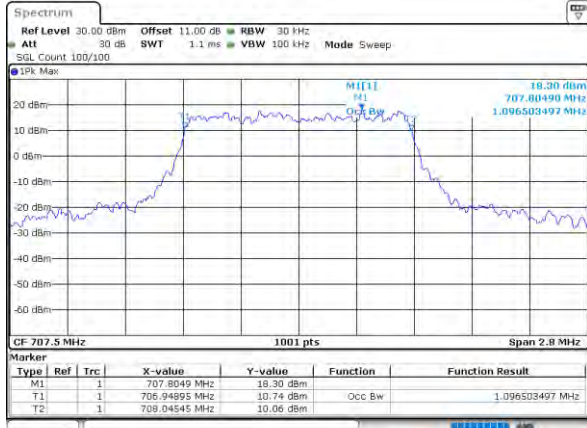
Occupied Bandwidth

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	1.09	1.10	2.73	2.72	4.51	4.50	9.01	9.03	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.11	1.09	2.73	2.73	4.47	4.49	9.05	9.01	-	-	-	-



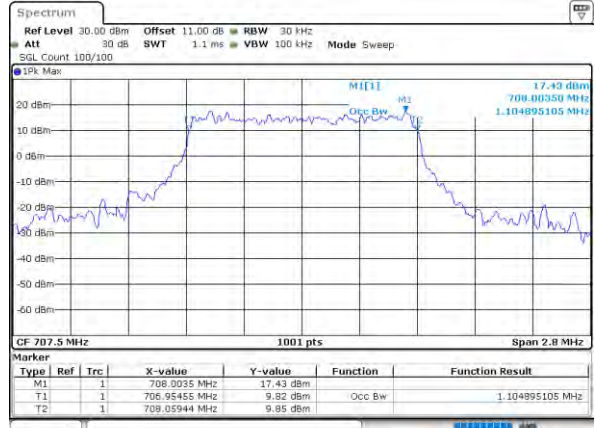
LTE Band 12

Middle Channel / 1.4MHz / QPSK



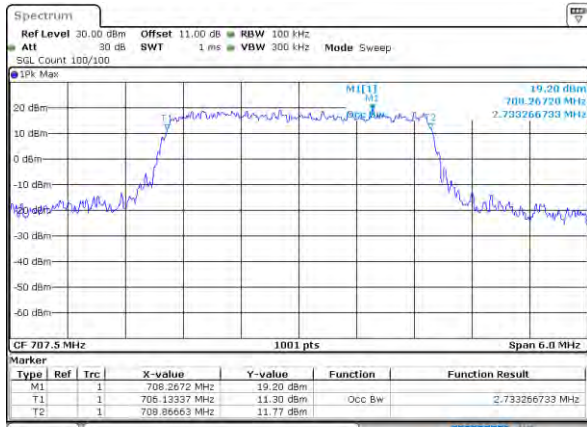
Date: 13_JAN_2024 02:48:50

Middle Channel / 1.4MHz / 16QAM



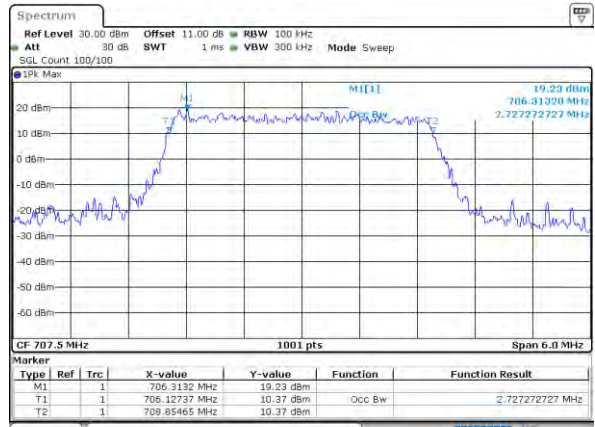
Date: 13_JAN_2024 02:48:23

Middle Channel / 3MHz / QPSK



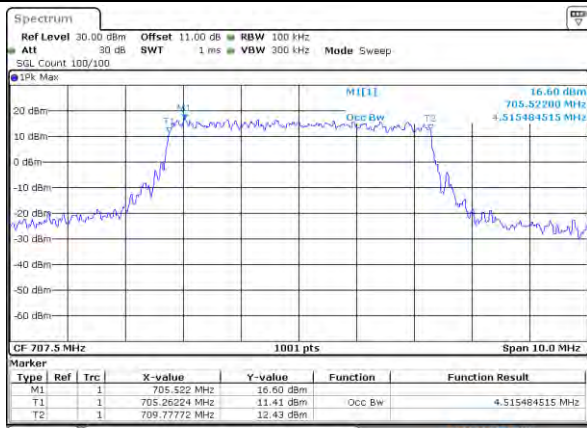
Date: 13_JAN_2024 03:06:54

Middle Channel / 3MHz / 16QAM



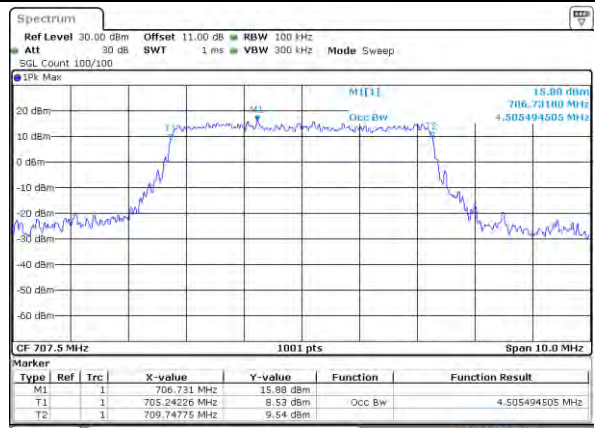
Date: 13_JAN_2024 03:06:56

Middle Channel / 5MHz / QPSK



Date: 13_JAN_2024 03:20:51

Middle Channel / 5MHz / 16QAM

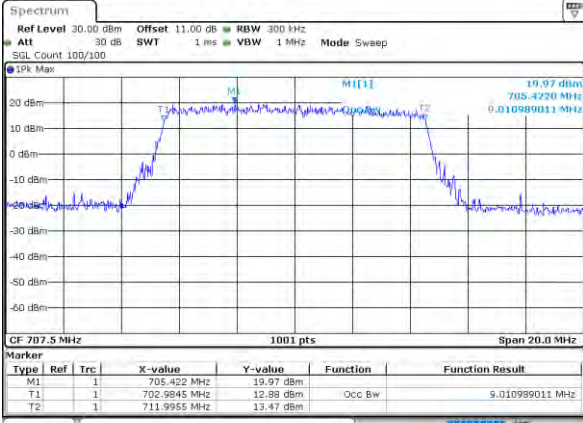


Date: 13_JAN_2024 03:20:54

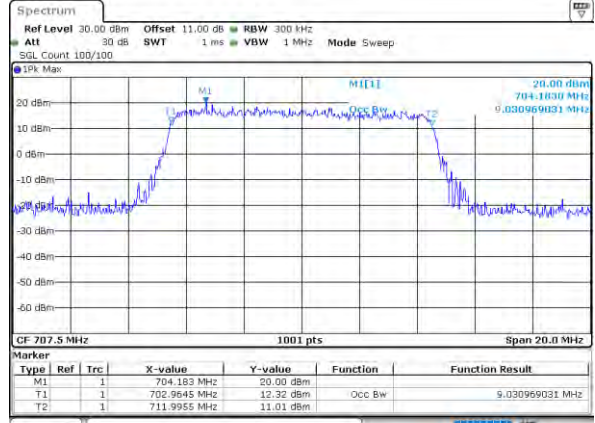


LTE Band 12

Middle Channel / 10MHz / QPSK

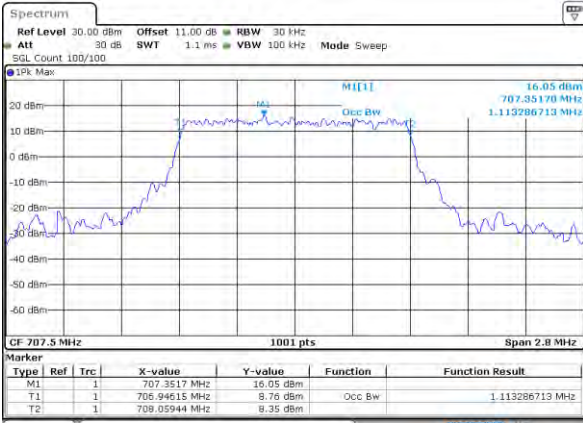


Middle Channel / 10MHz / 16QAM

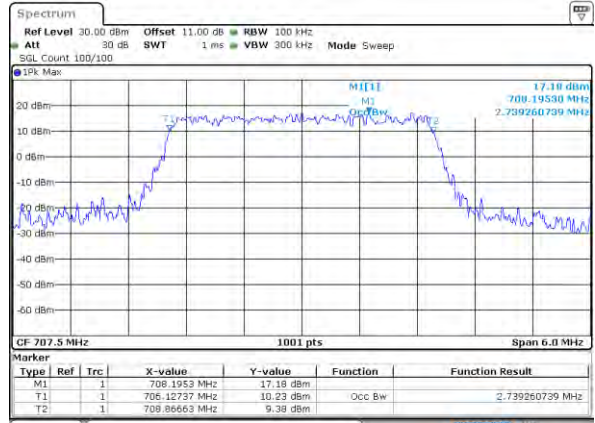


LTE Band 12

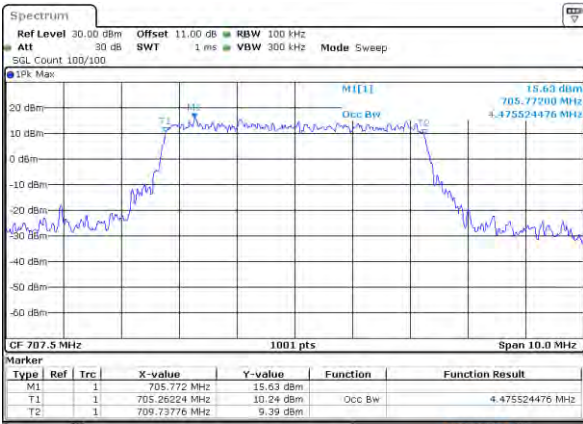
Middle Channel / 1.4MHz / 64QAM



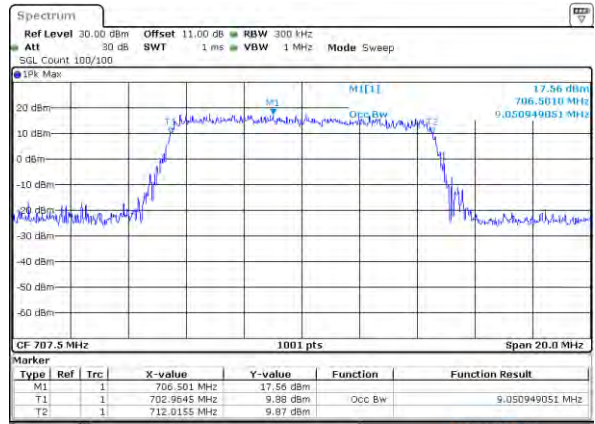
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



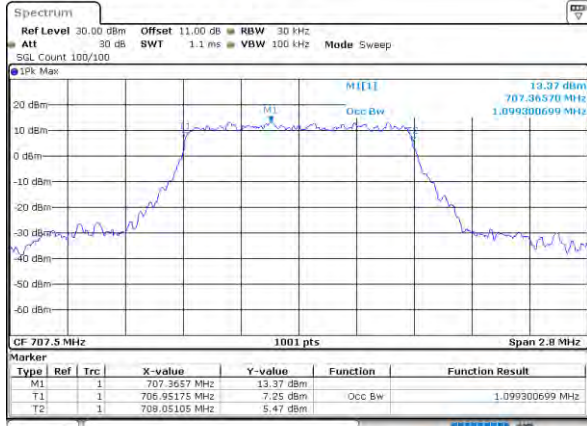
Middle Channel / 10MHz / 64QAM





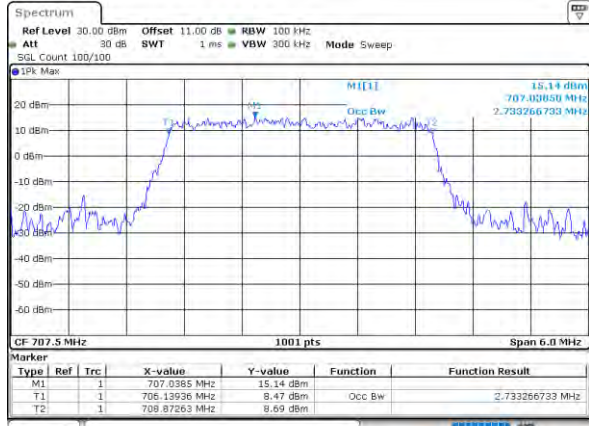
LTE Band 12

Middle Channel / 1.4MHz / 256QAM



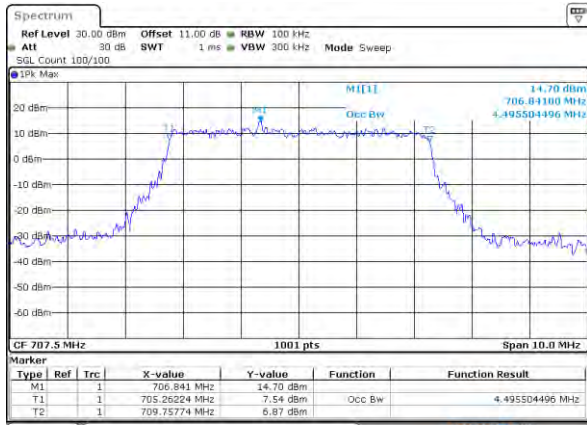
Date: 13_JAN_2024 09:58:01

Middle Channel / 3MHz / 256QAM



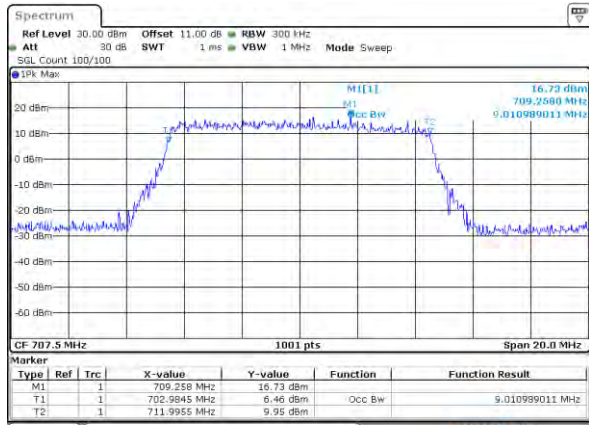
Date: 13_JAN_2024 09:58:10

Middle Channel / 5MHz / 256QAM



Date: 13_JAN_2024 09:58:11

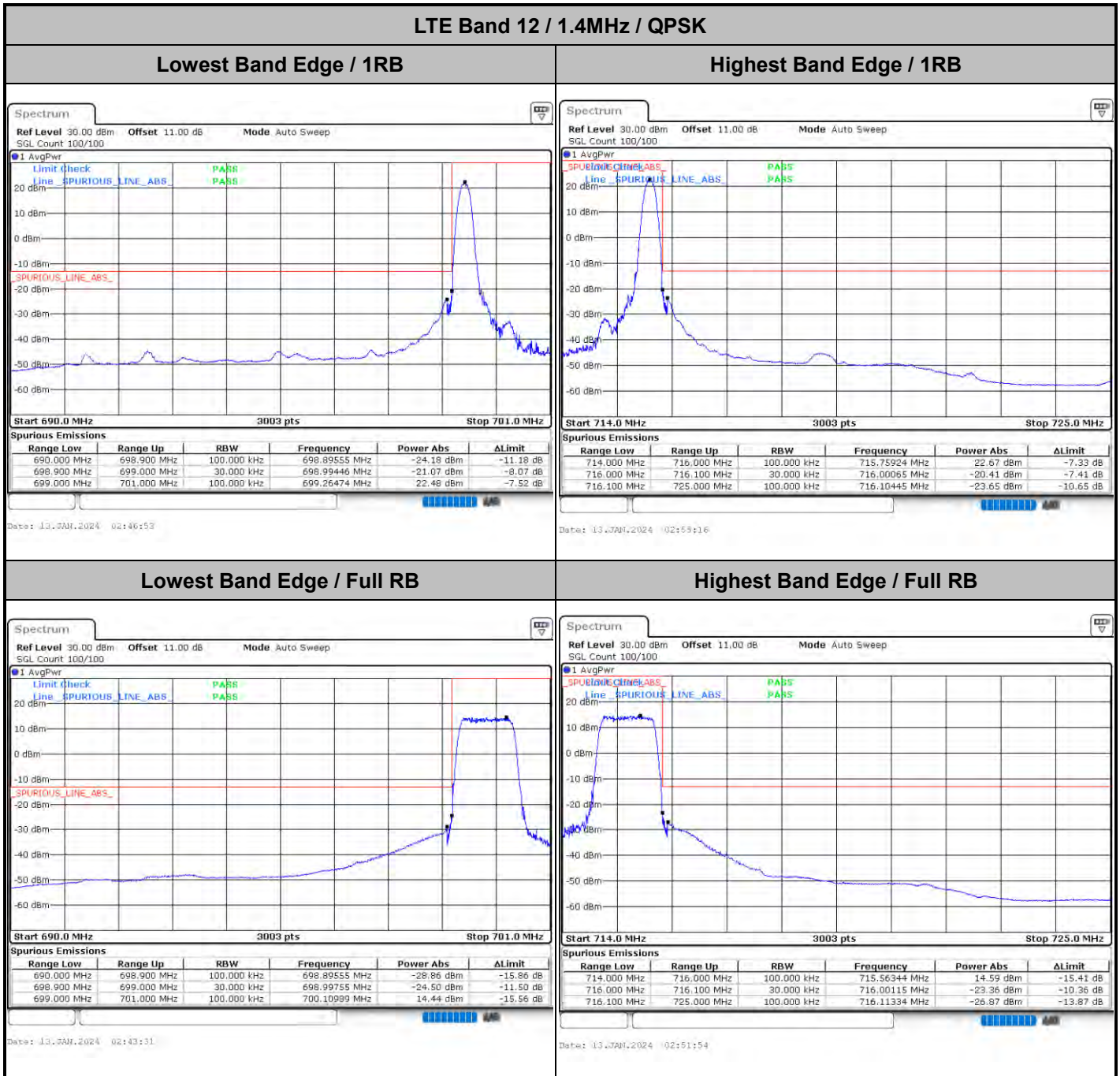
Middle Channel / 10MHz / 256QAM



Date: 13_JAN_2024 09:58:11



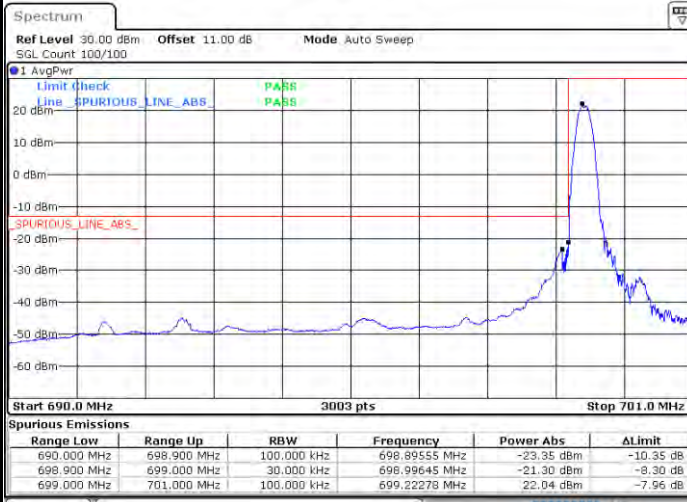
Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



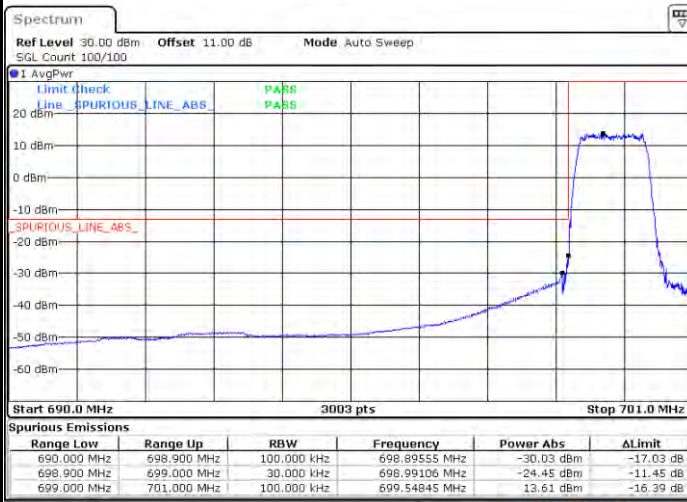
Date: 13 JAN 2024 02:43:45

Highest Band Edge / 1 RB



Date: 13 JAN 2024 02:54:09

Lowest Band Edge / Full RB



Date: 13 JAN 2024 02:44:38

Highest Band Edge / Full RB



Date: 13 JAN 2024 02:53:01



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



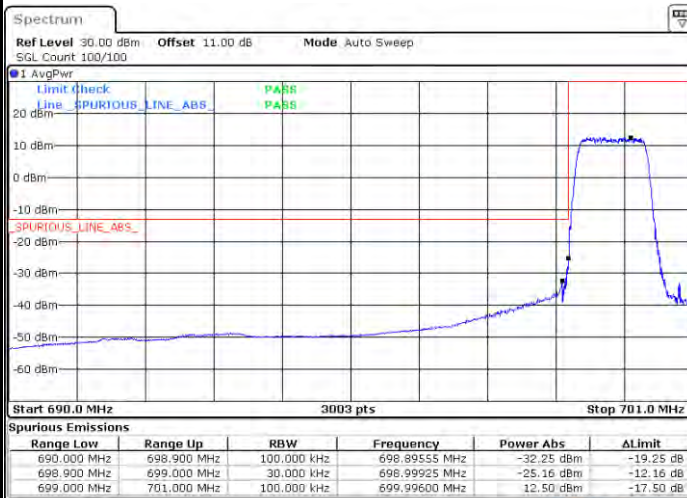
Date: 13 JAN 2024 02:58:48

Highest Band Edge / 1 RB



Date: 13 JAN 2024 03:01:44

Lowest Band Edge / Full RB



Date: 13 JAN 2024 02:59:41

Highest Band Edge / Full RB

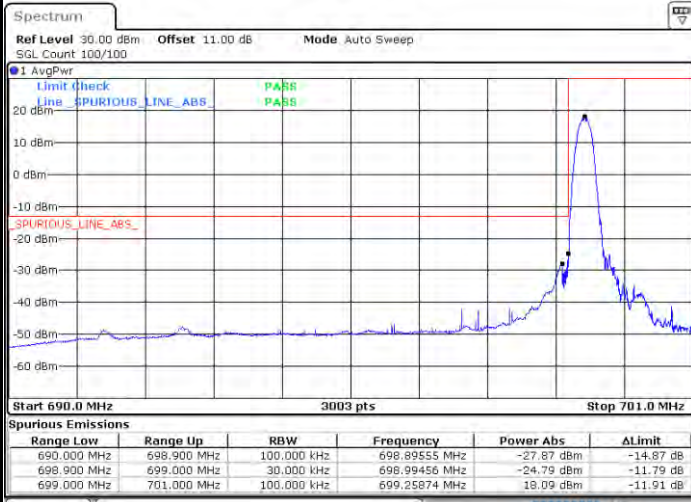


Date: 13 JAN 2024 03:00:36



LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



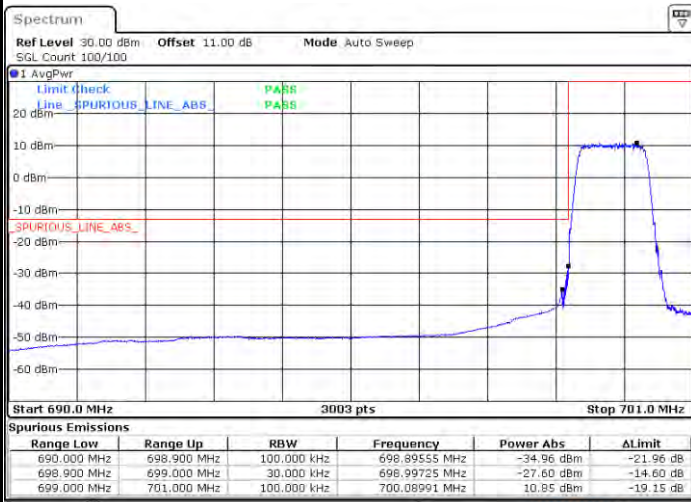
Date: 13 JAN 2024 03:49:33

Highest Band Edge / 1 RB



Date: 13 JAN 2024 03:52:29

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:37:26

Highest Band Edge / Full RB



Date: 13 JAN 2024 03:51:21



LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:04:51

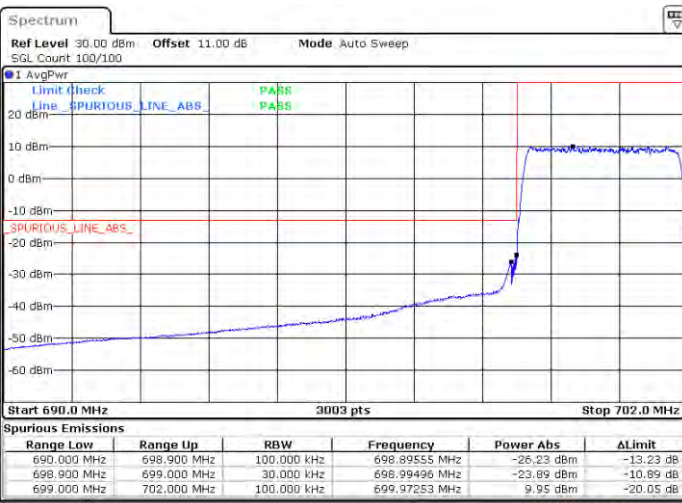
Highest Band Edge / Full RB



Date: 13 JAN 2024 03:08:42

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:09:58

Highest Band Edge / Full RB



Date: 13 JAN 2024 03:09:49



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:10:57

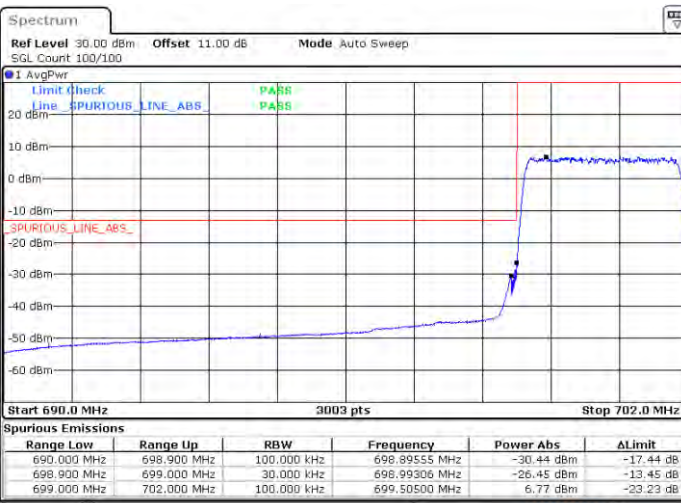
Highest Band Edge / Full RB



Date: 13 JAN 2024 03:12:45

LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:52:41

Highest Band Edge / Full RB

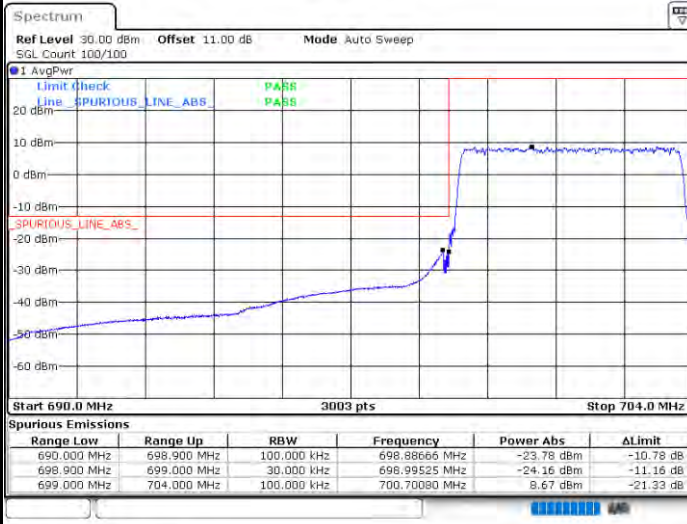


Date: 13 JAN 2024 03:55:29



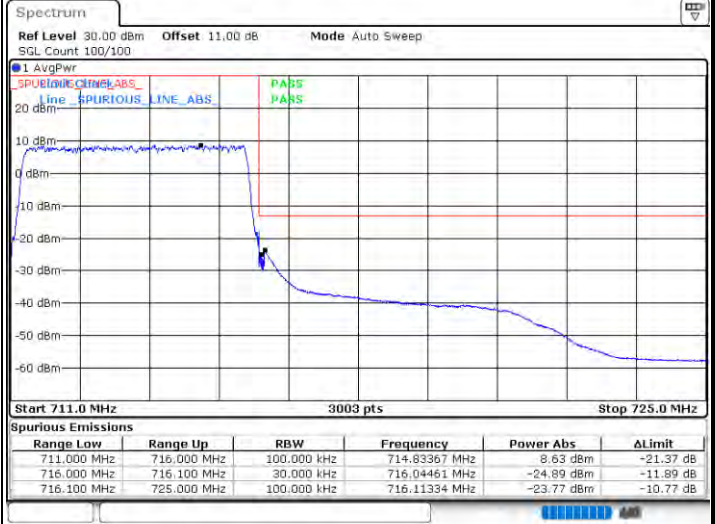
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:18:48

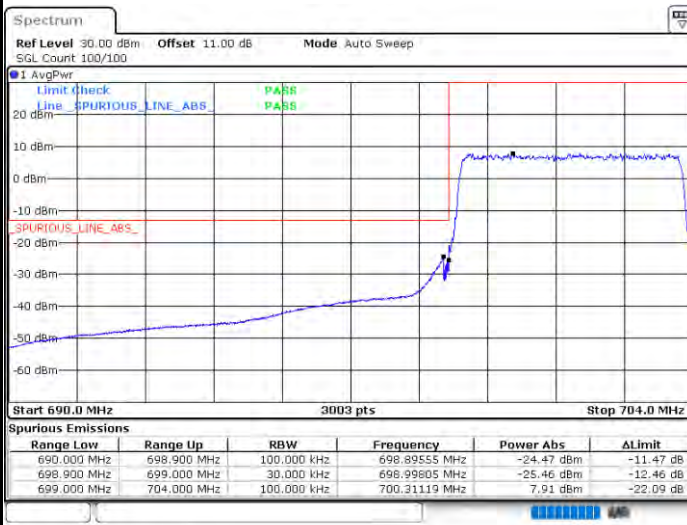
Highest Band Edge / Full RB



Date: 13 JAN 2024 03:22:38

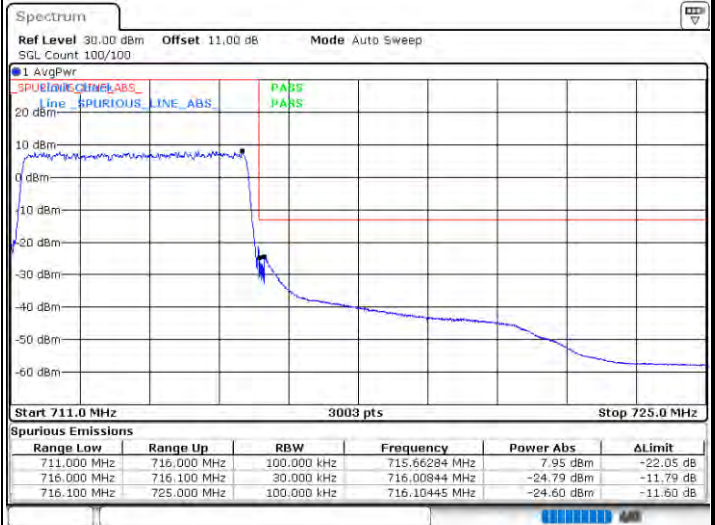
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:19:55

Highest Band Edge / Full RB

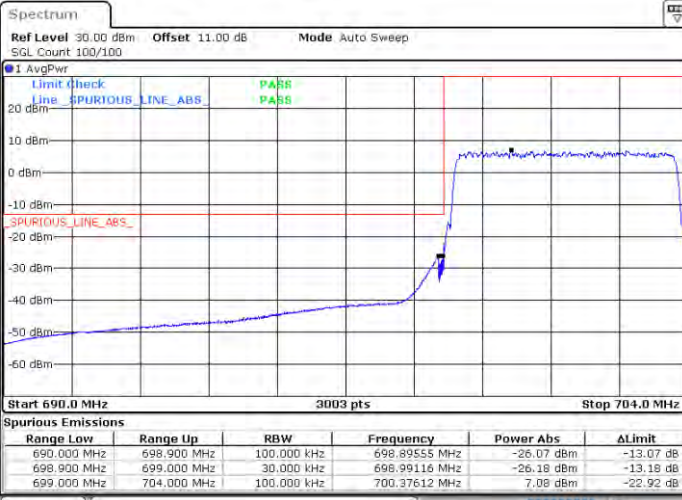


Date: 13 JAN 2024 03:23:46



LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:19:52

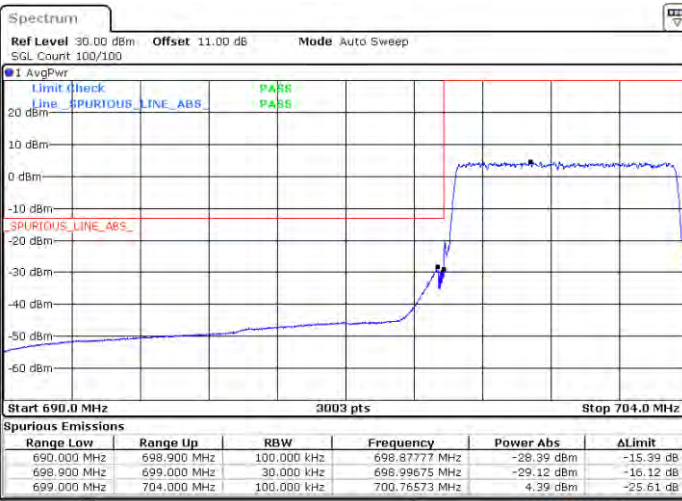
Highest Band Edge / Full RB



Date: 13 JAN 2024 03:17:40

LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:56:42

Highest Band Edge / Full RB

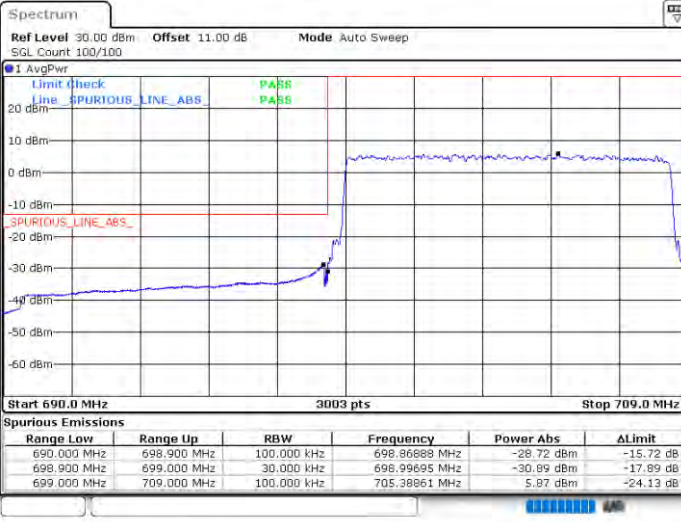


Date: 13 JAN 2024 03:58:30



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:26:53

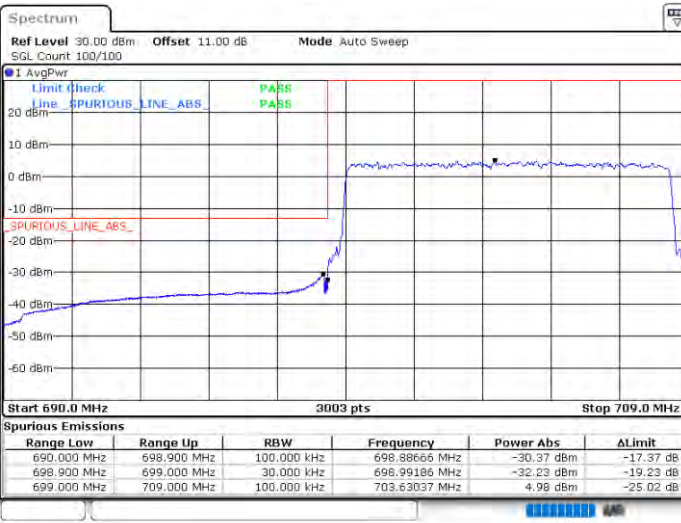
Highest Band Edge / Full RB



Date: 13 JAN 2024 03:30:44

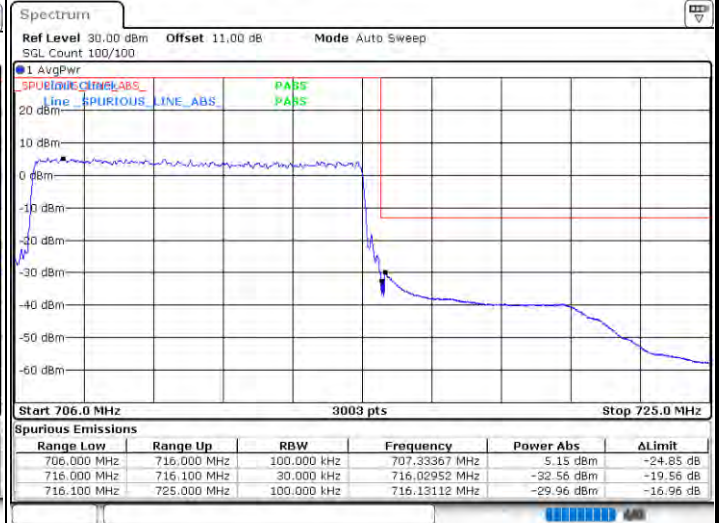
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:28:01

Highest Band Edge / Full RB

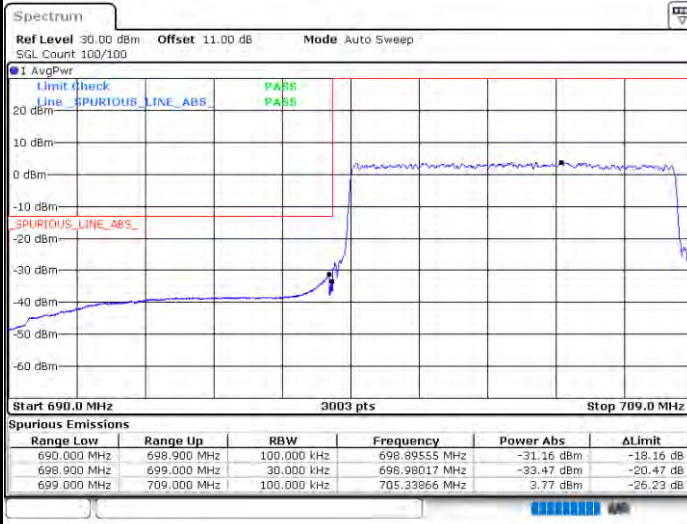


Date: 13 JAN 2024 03:31:52



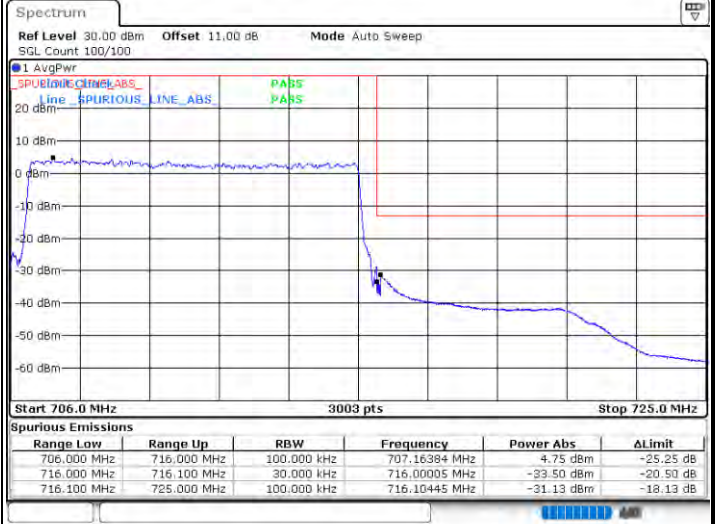
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:32:59

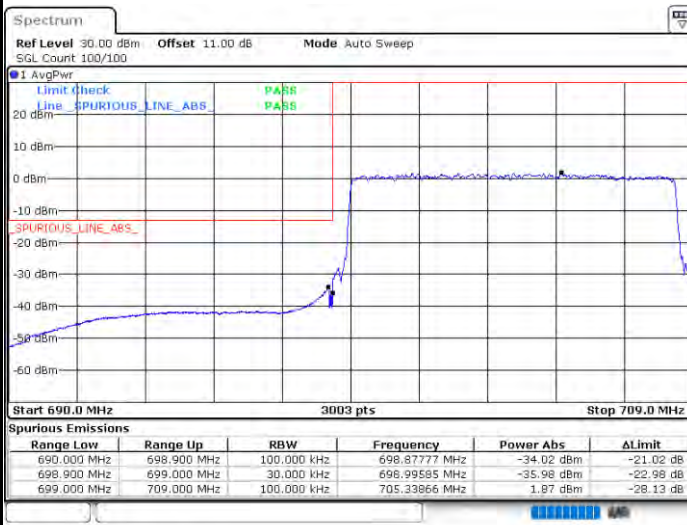
Highest Band Edge / Full RB



Date: 13 JAN 2024 03:34:47

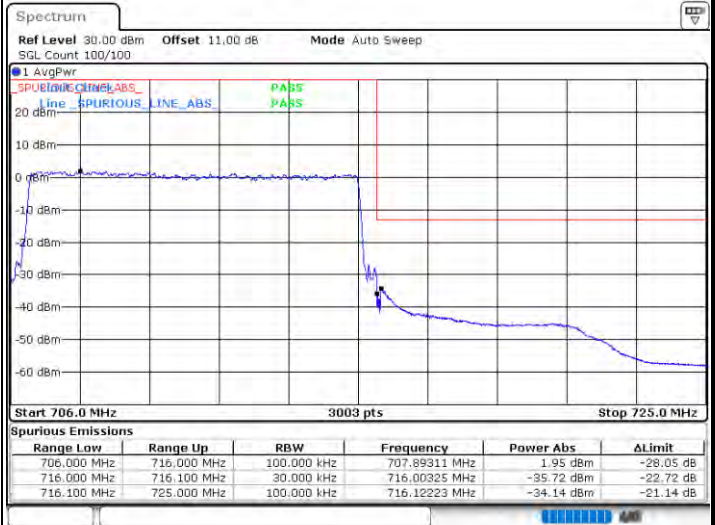
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 13 JAN 2024 03:59:42

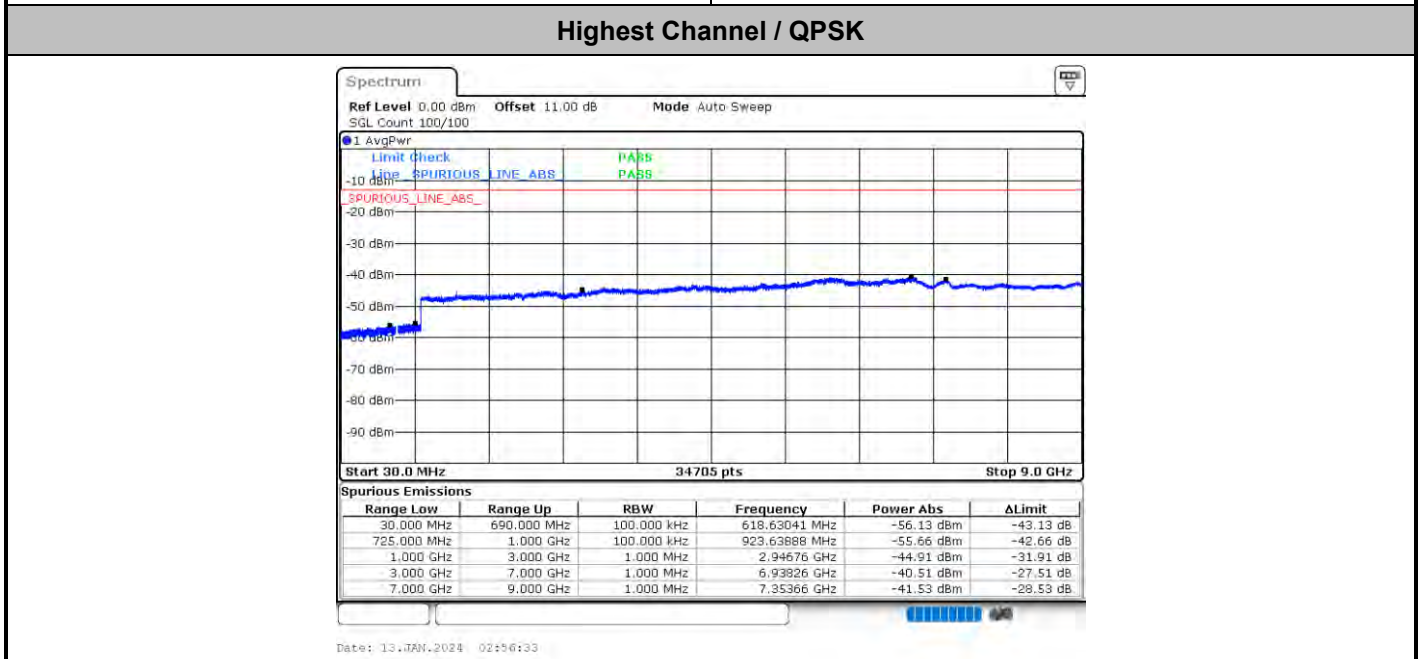
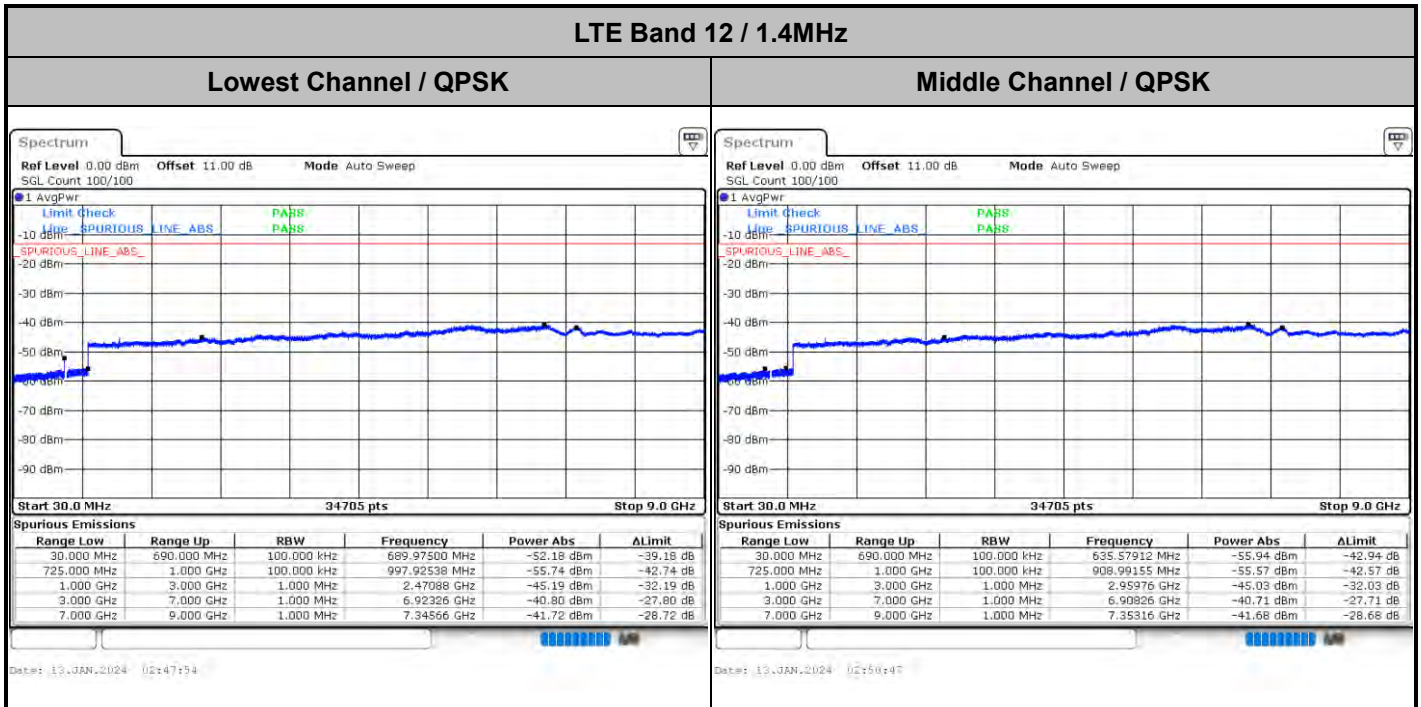
Highest Band Edge / Full RB



Date: 13 JAN 2024 04:01:30



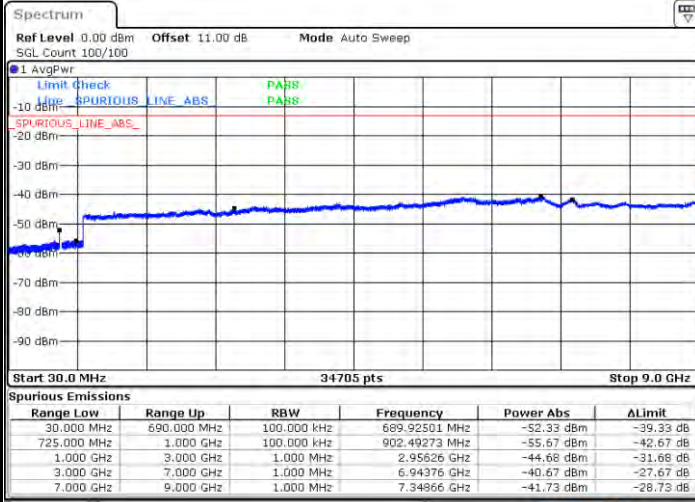
Conducted Spurious Emission





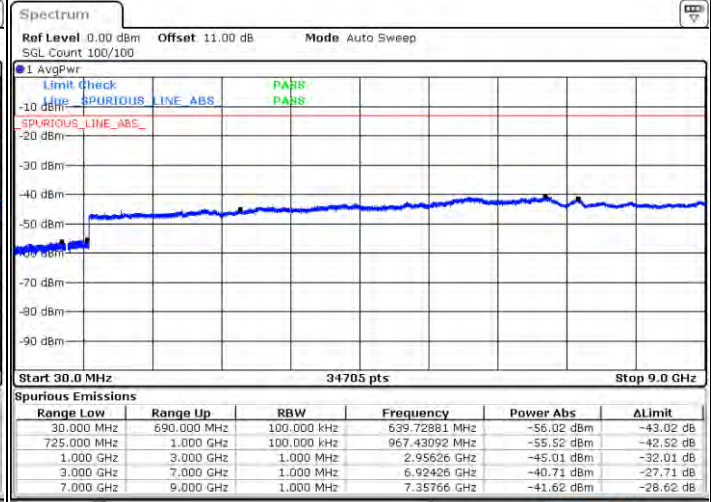
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 13.JAN.2024 04:09:21

Middle Channel / QPSK



Date: 13.JAN.2024 04:04:38

Highest Channel / QPSK



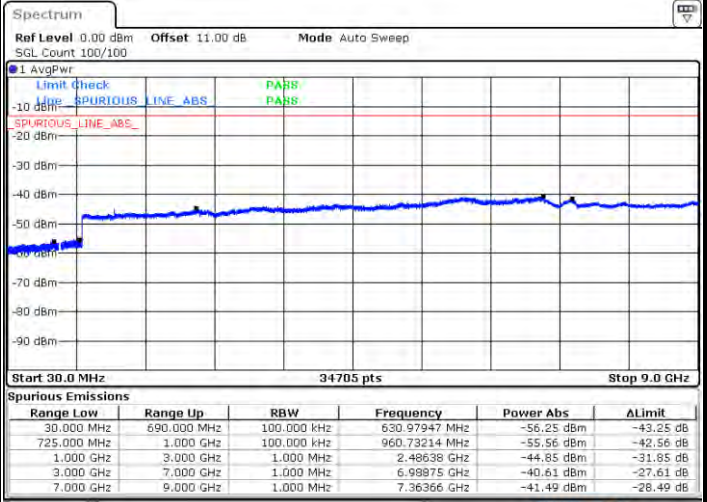
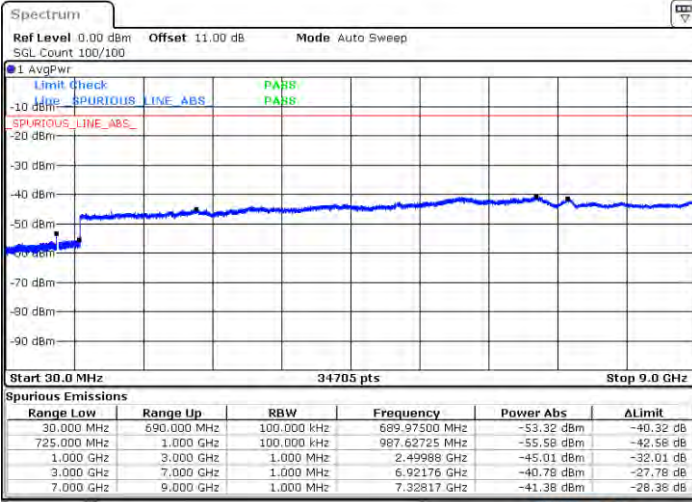
Date: 13.JAN.2024 04:09:54



LTE Band 12 / 5MHz

Lowest Channel / QPSK

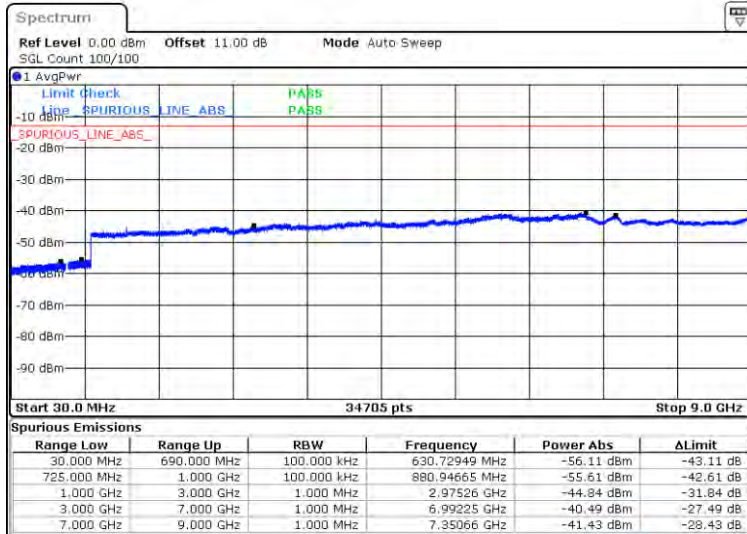
Middle Channel / QPSK



Date: 13 JAN 2024 04:07:15

Date: 13 JAN 2024 04:08:32

Highest Channel / QPSK



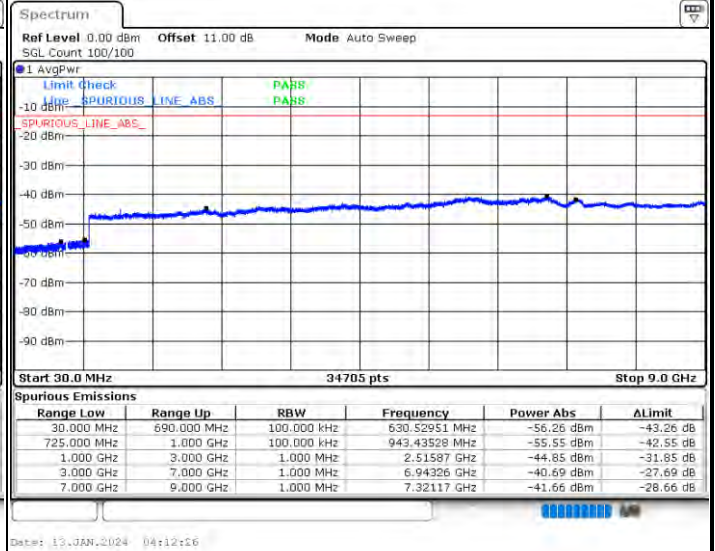
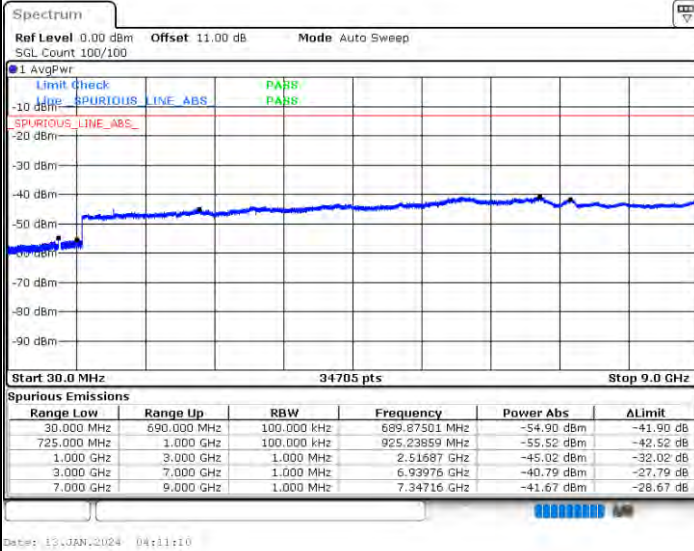
Date: 13 JAN 2024 04:09:49



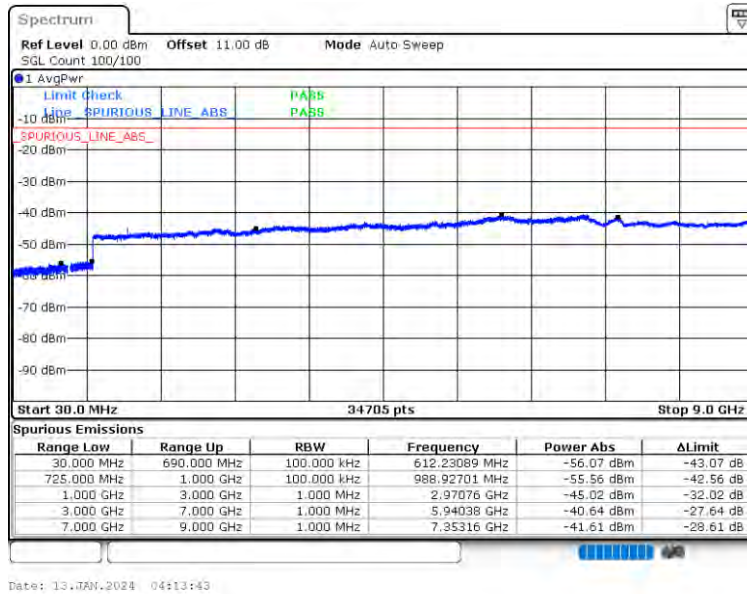
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0034	PASS
40	Normal Voltage	0.0117	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0171	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0153	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0126	

Note:

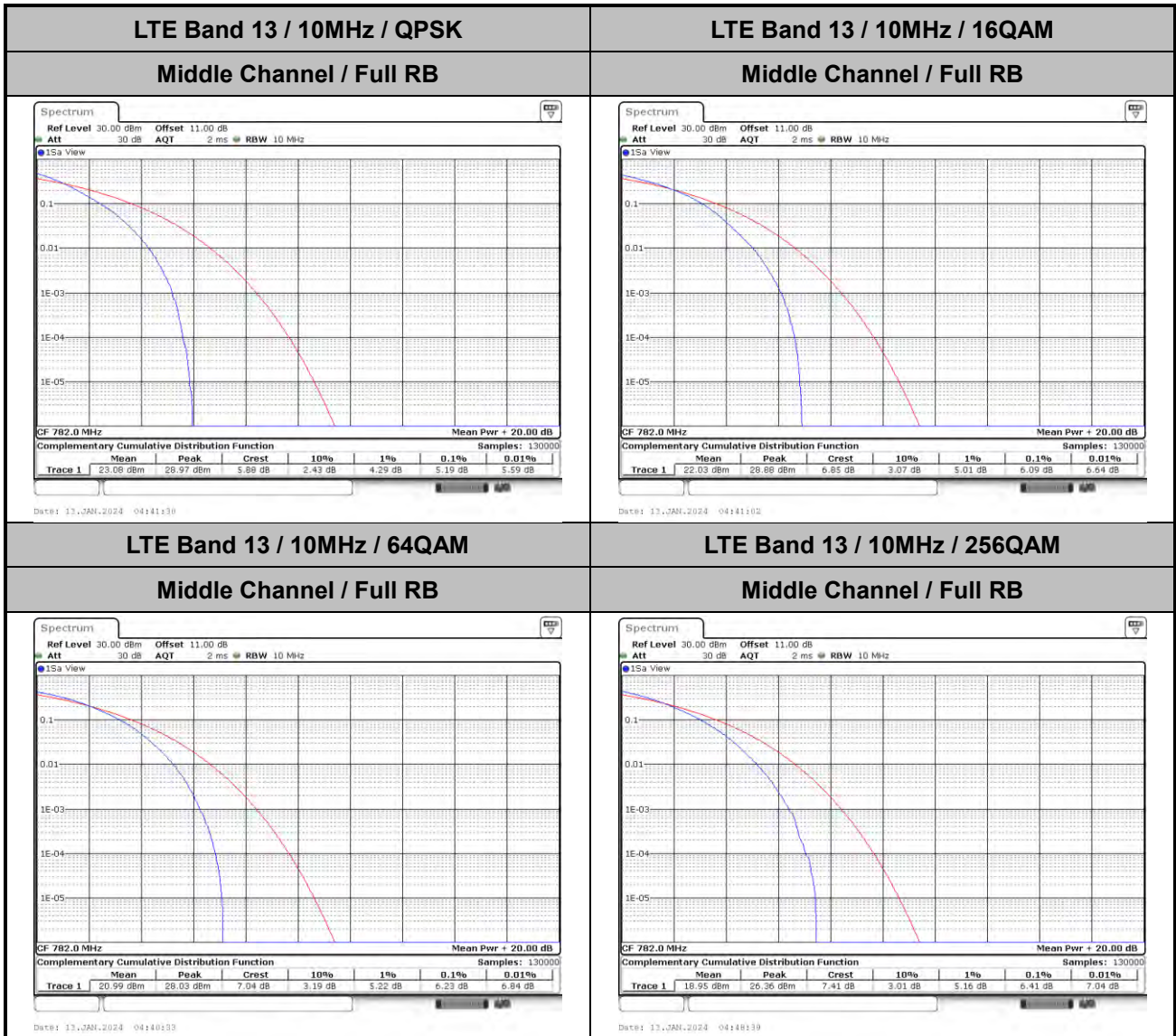
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.19	6.09	6.23	6.41	PASS





26dB Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	5.15	4.98	9.84	9.92	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	5.12	5.04	9.83	9.68	-	-	-	-



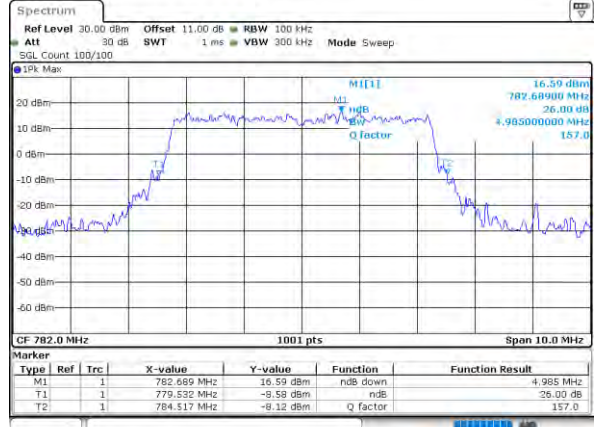
LTE Band 13

Middle Channel / 5MHz / QPSK



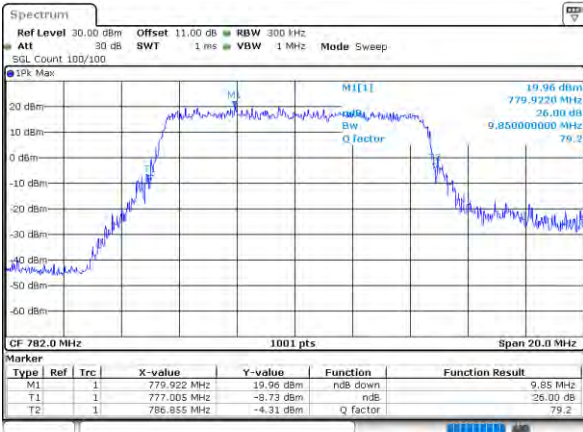
Date: 13_JAN_2024 04:22:58

Middle Channel / 5MHz / 16QAM



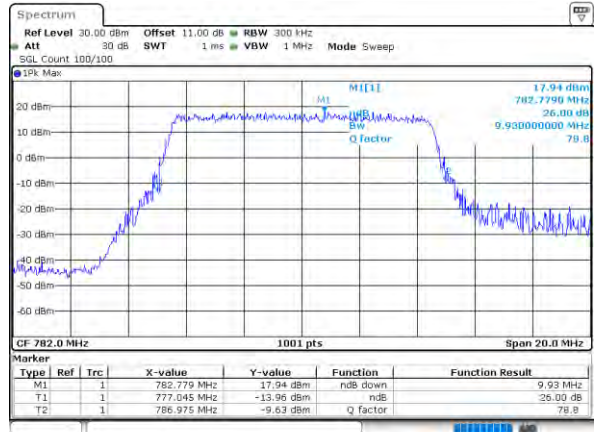
Date: 13_JAN_2024 04:23:26

Middle Channel / 10MHz / QPSK



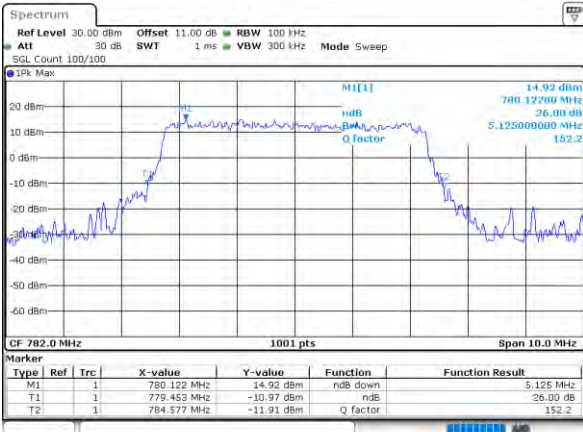
Date: 13_JAN_2024 04:26:47

Middle Channel / 10MHz / 16QAM



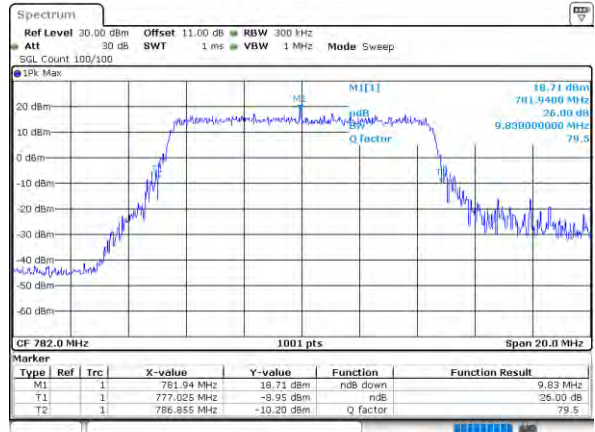
Date: 13_JAN_2024 04:26:50

Middle Channel / 5MHz / 64QAM



Date: 13_JAN_2024 04:32:37

Middle Channel / 10MHz / 64QAM



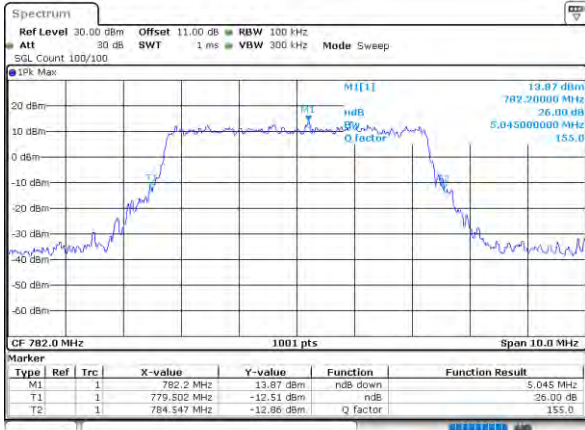
Date: 13_JAN_2024 04:39:27



LTE Band 13

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 13_JAN_2024 04:44:19



Date: 13_JAN_2024 04:47:53



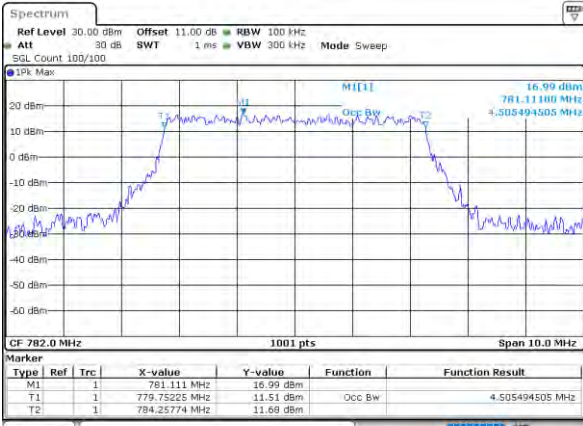
Occupied Bandwidth

Mode	LTE Band 13 : 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	9.07	9.05	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	4.50	4.50	9.01	9.05	-	-	-	-



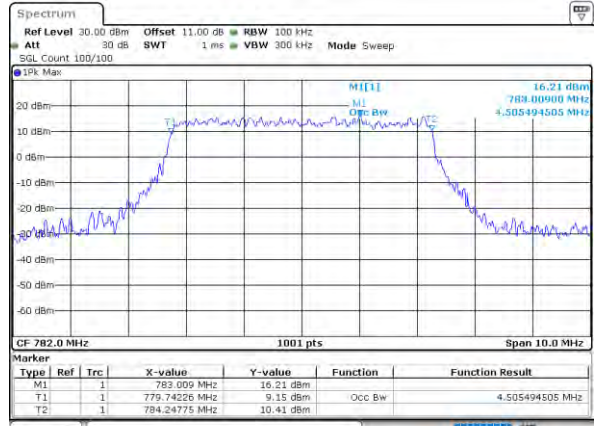
LTE Band 13

Middle Channel / 5MHz / QPSK



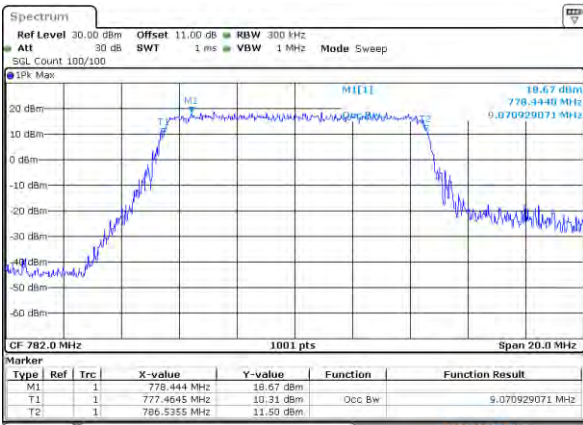
Date: 13_JAN_2024 04:24:07

Middle Channel / 5MHz / 16QAM



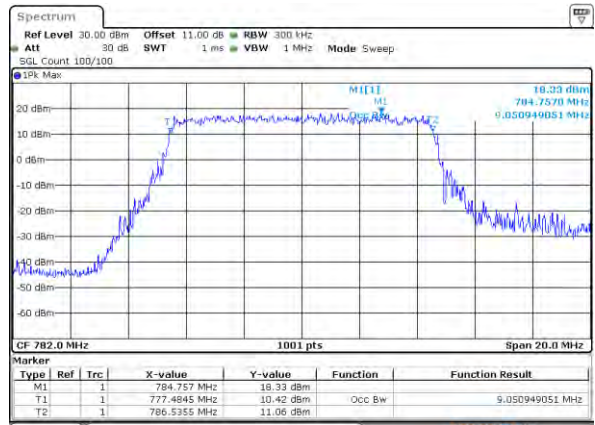
Date: 13_JAN_2024 04:23:33

Middle Channel / 10MHz / QPSK



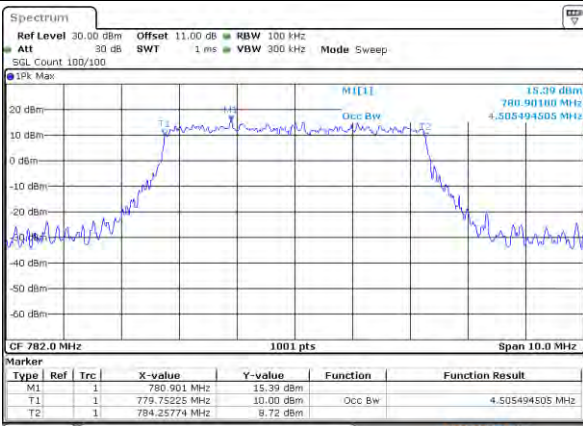
Date: 13_JAN_2024 04:33:39

Middle Channel / 10MHz / 16QAM



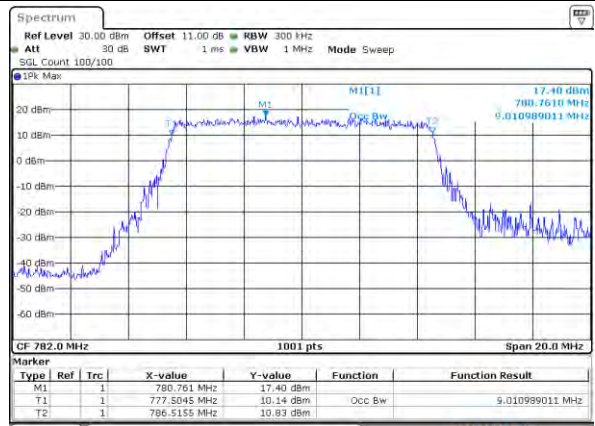
Date: 13_JAN_2024 04:28:57

Middle Channel / 5MHz / 64QAM



Date: 13_JAN_2024 04:32:50

Middle Channel / 10MHz / 64QAM



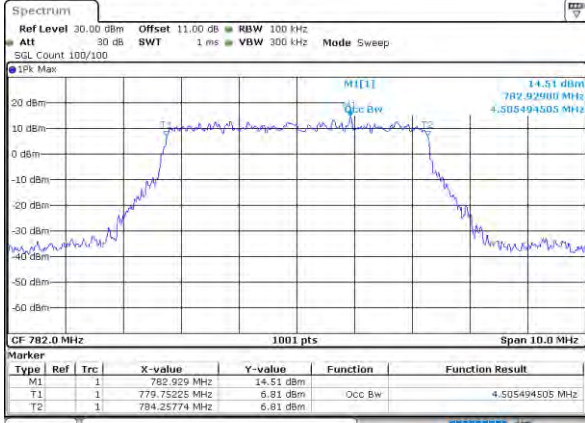
Date: 13_JAN_2024 04:39:14



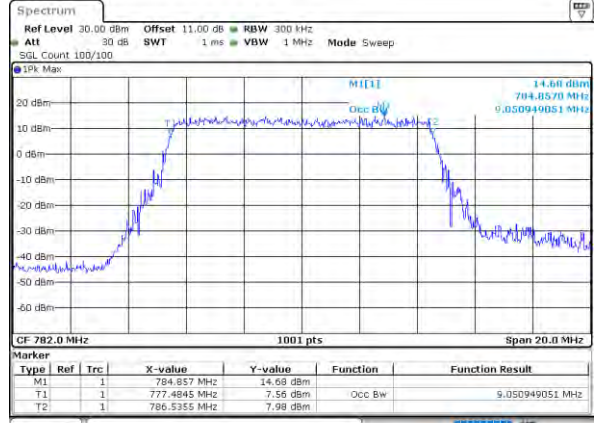
LTE Band 13

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 13_JAN_2024 04:44:33



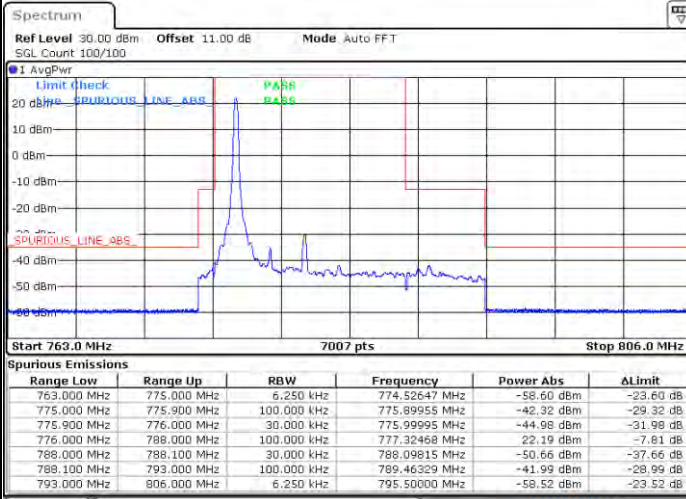
Date: 13_JAN_2024 04:47:20



Conducted Band Edge

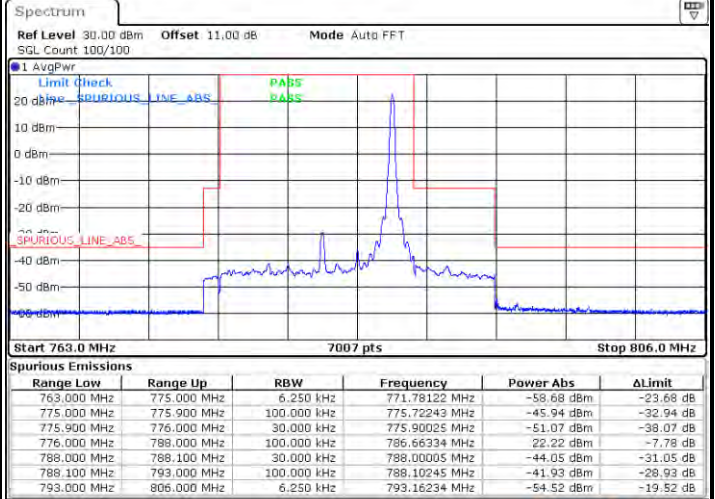
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



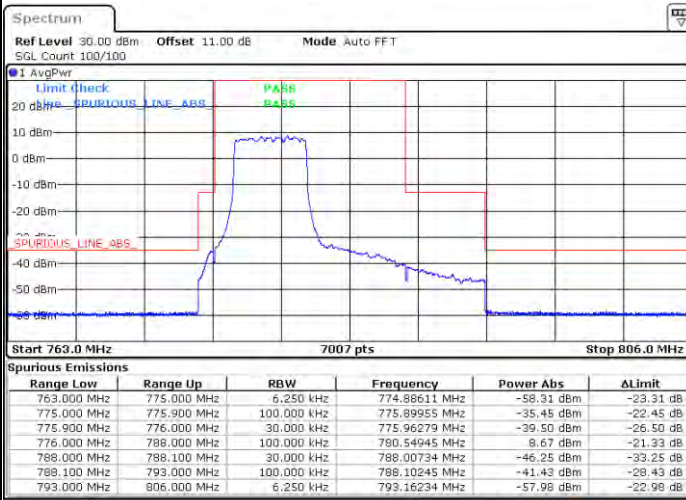
Date: 13 JAN 2024 04:20:13

Highest Band Edge / 1 RB



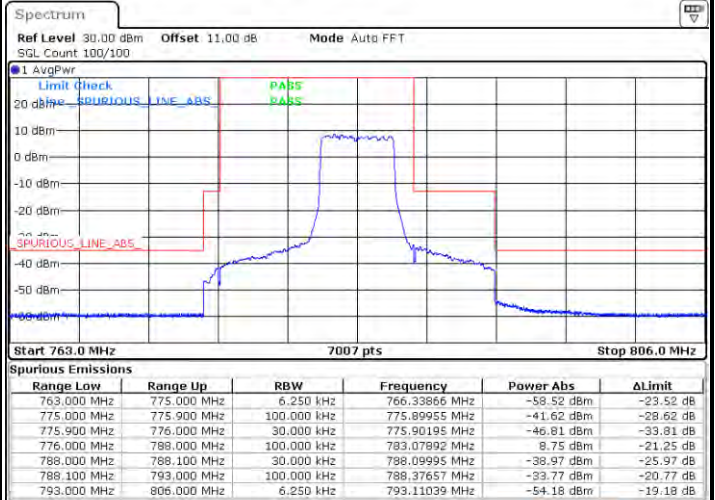
Date: 13 JAN 2024 04:28:36

Lowest Band Edge / Full RB



Date: 13 JAN 2024 04:16:50

Highest Band Edge / Full RB

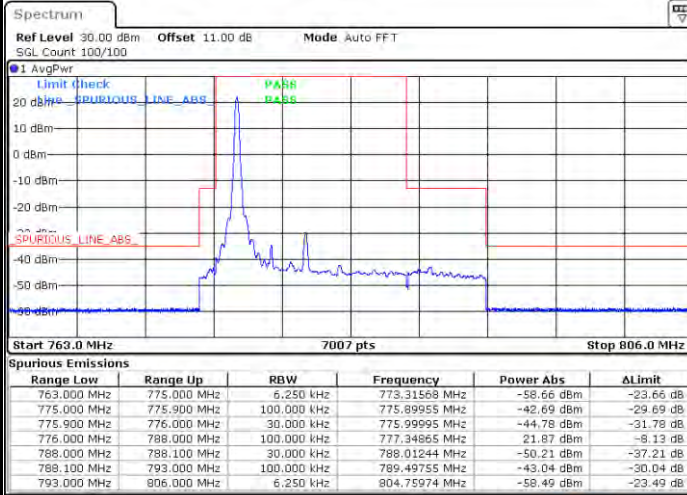


Date: 13 JAN 2024 04:25:14



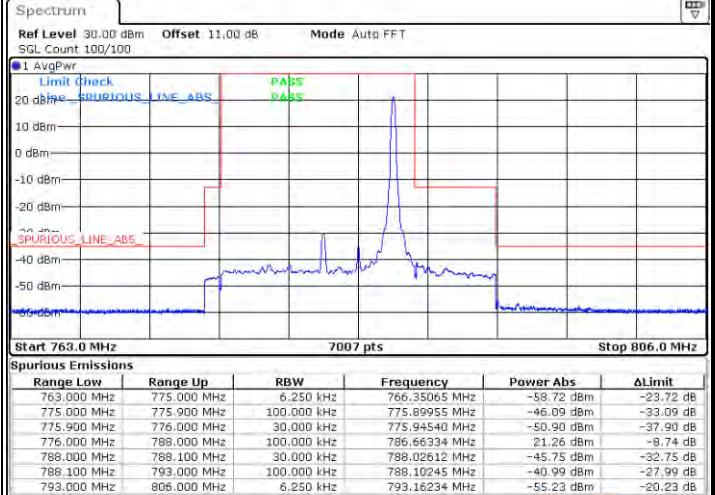
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



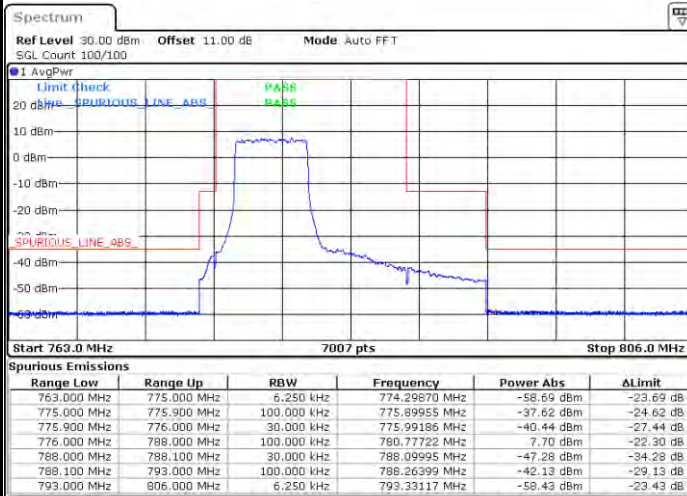
Date: 13 JAN 2024 04:19:05

Highest Band Edge / 1 RB



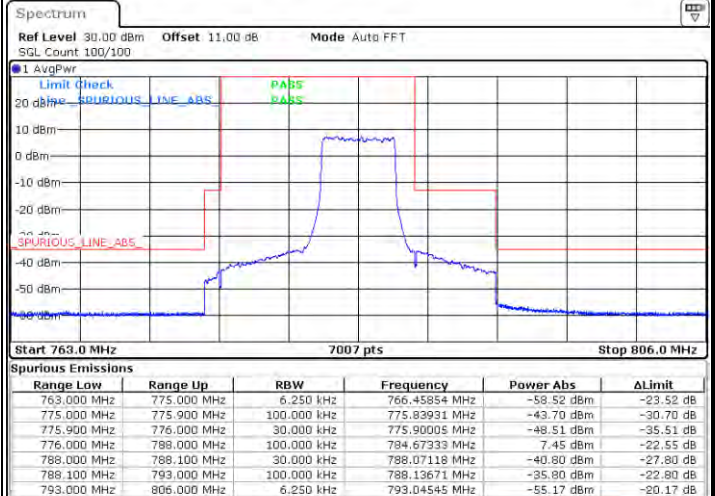
Date: 13 JAN 2024 04:27:29

Lowest Band Edge / Full RB



Date: 13 JAN 2024 04:17:58

Highest Band Edge / Full RB

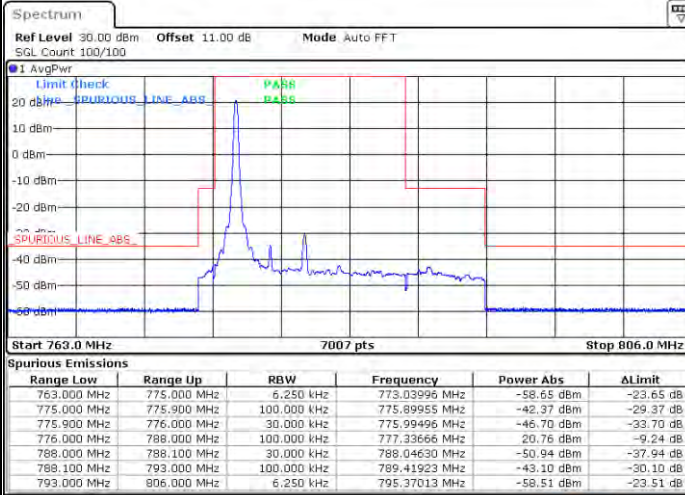


Date: 13 JAN 2024 04:26:21



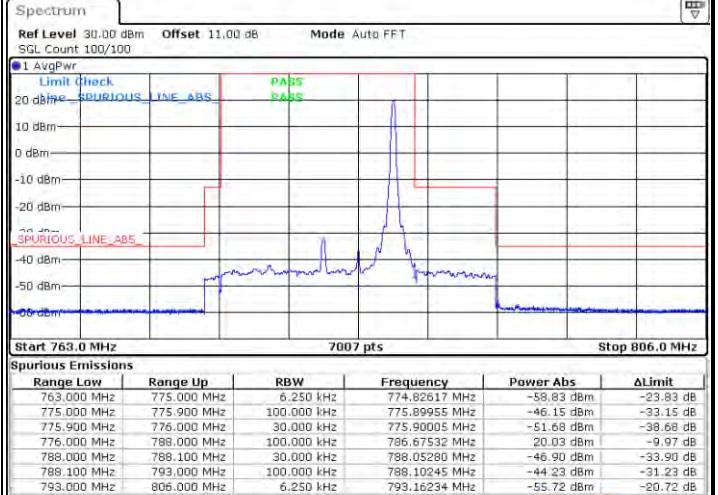
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



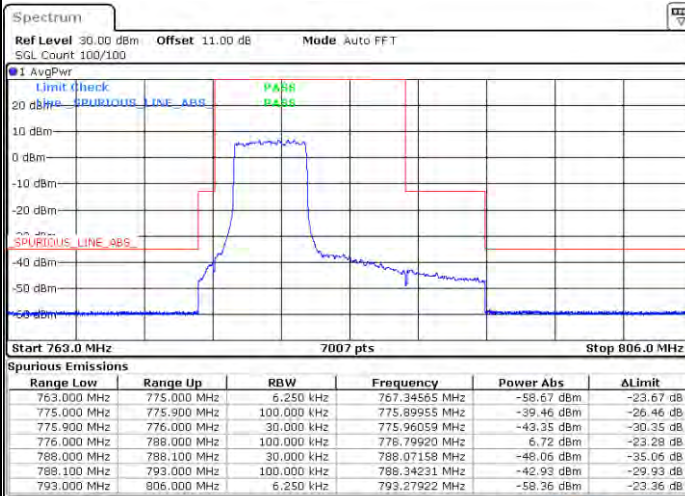
Date: 13 JAN 2024 04:32:09

Highest Band Edge / 1 RB



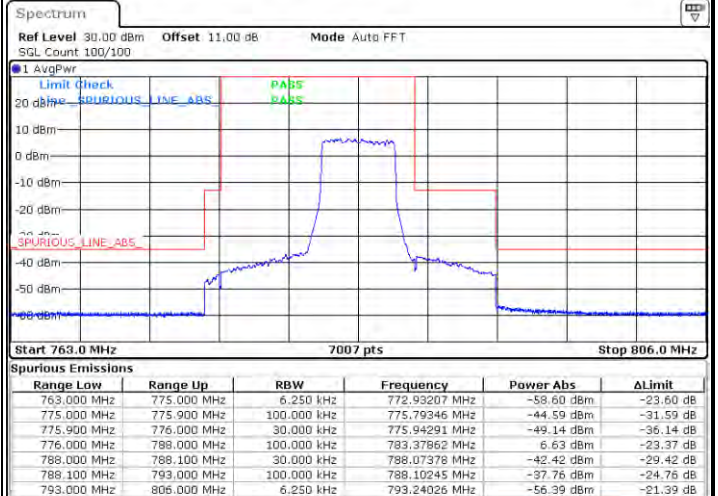
Date: 13 JAN 2024 04:33:05

Lowest Band Edge / Full RB



Date: 13 JAN 2024 04:31:01

Highest Band Edge / Full RB

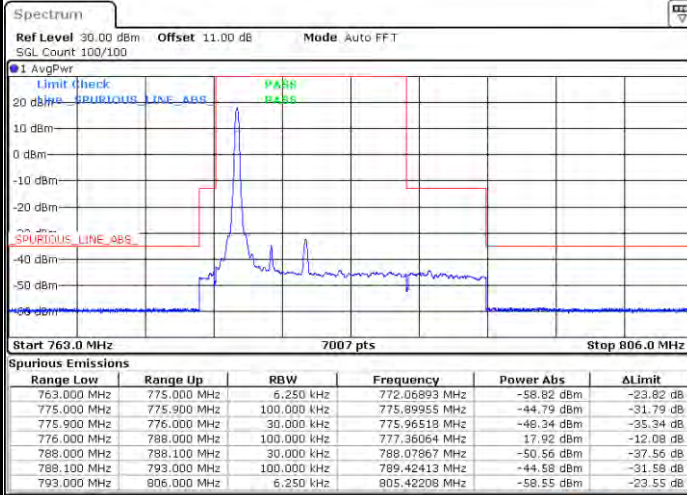


Date: 13 JAN 2024 04:33:57



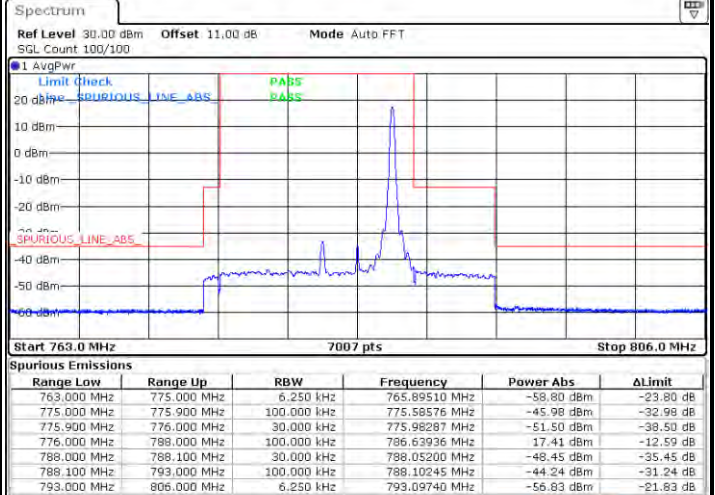
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



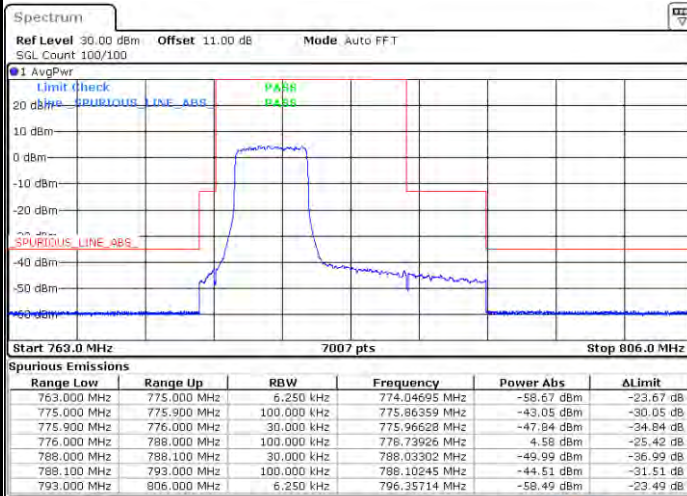
Date: 13 JAN 2024 04:43:50

Highest Band Edge / 1 RB



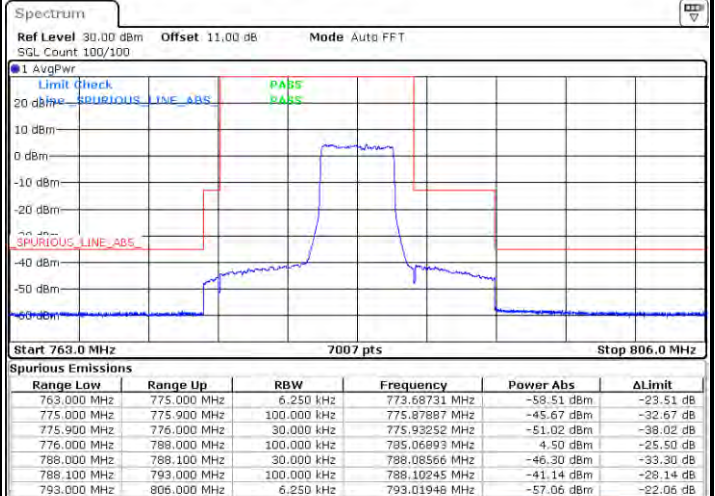
Date: 13 JAN 2024 04:46:46

Lowest Band Edge / Full RB

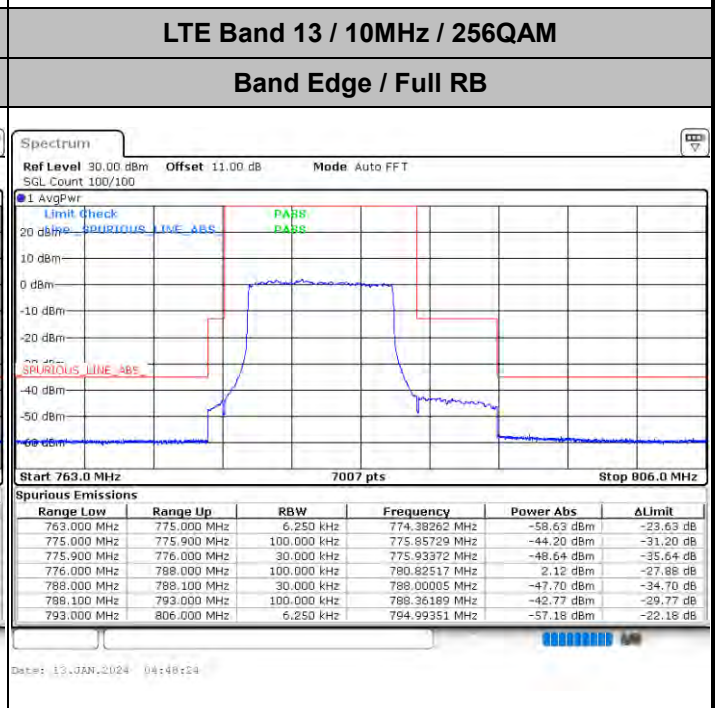
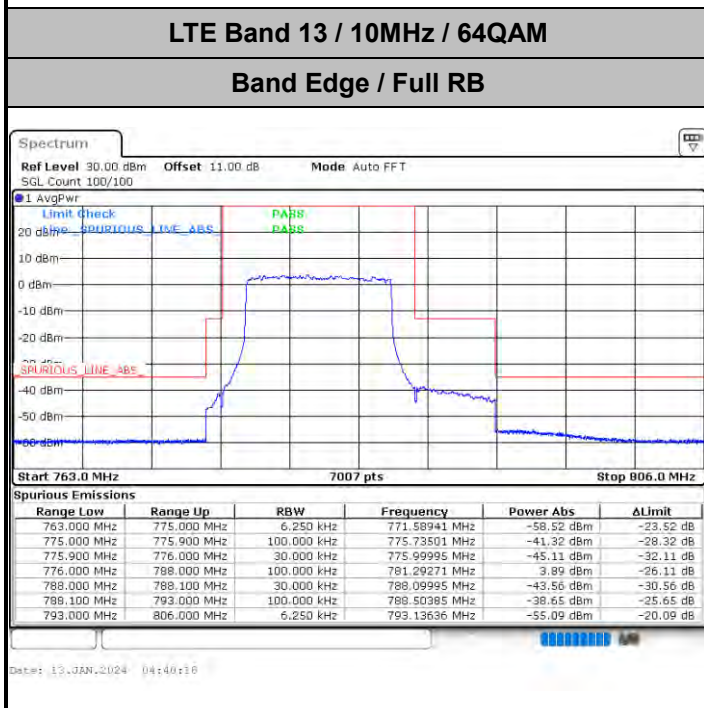
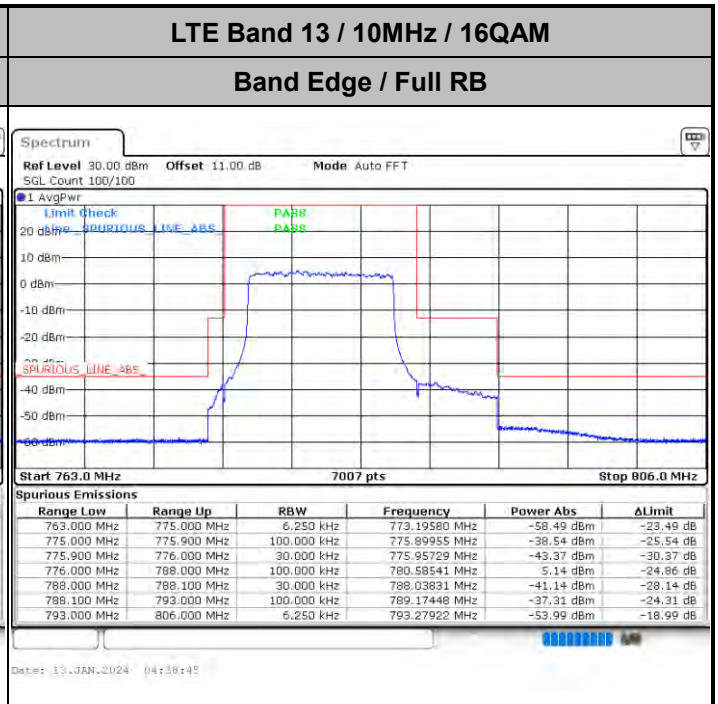
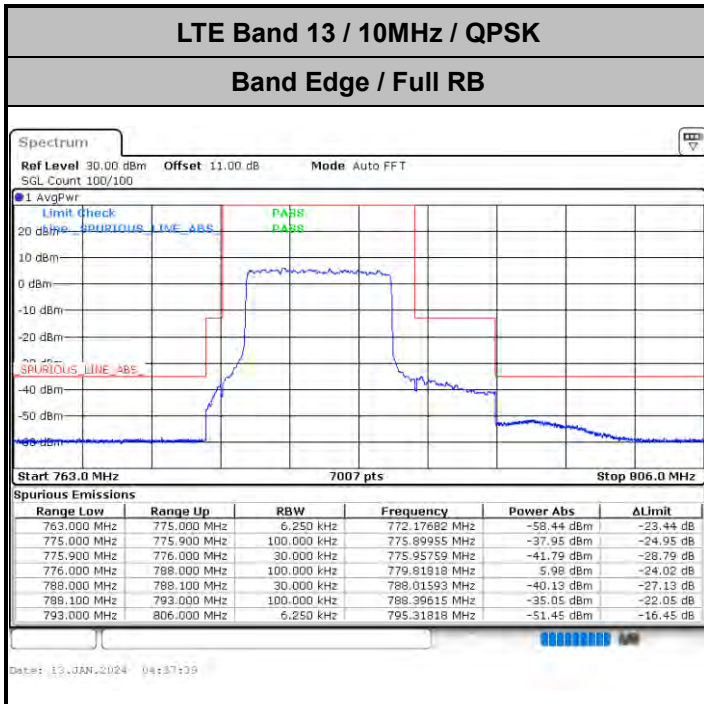


Date: 13 JAN 2024 04:42:43

Highest Band Edge / Full RB

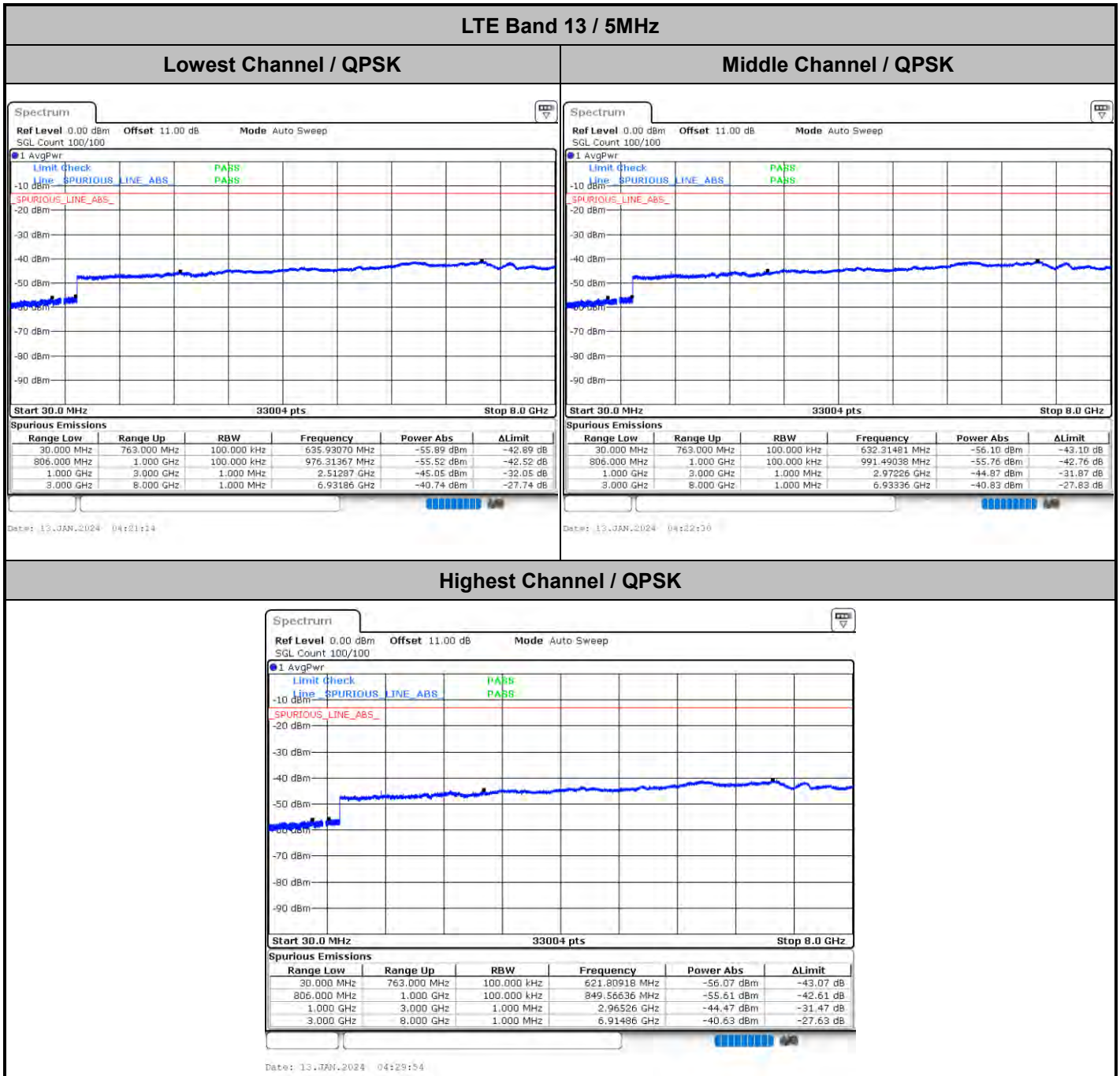


Date: 13 JAN 2024 04:45:36





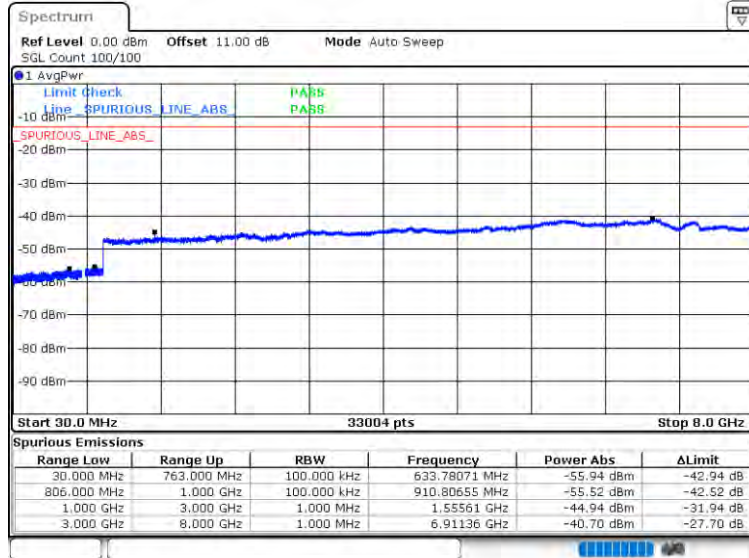
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 13-11-2024 04:49:55



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0054	PASS
40	Normal Voltage	0.0087	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0093	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0121	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0077	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

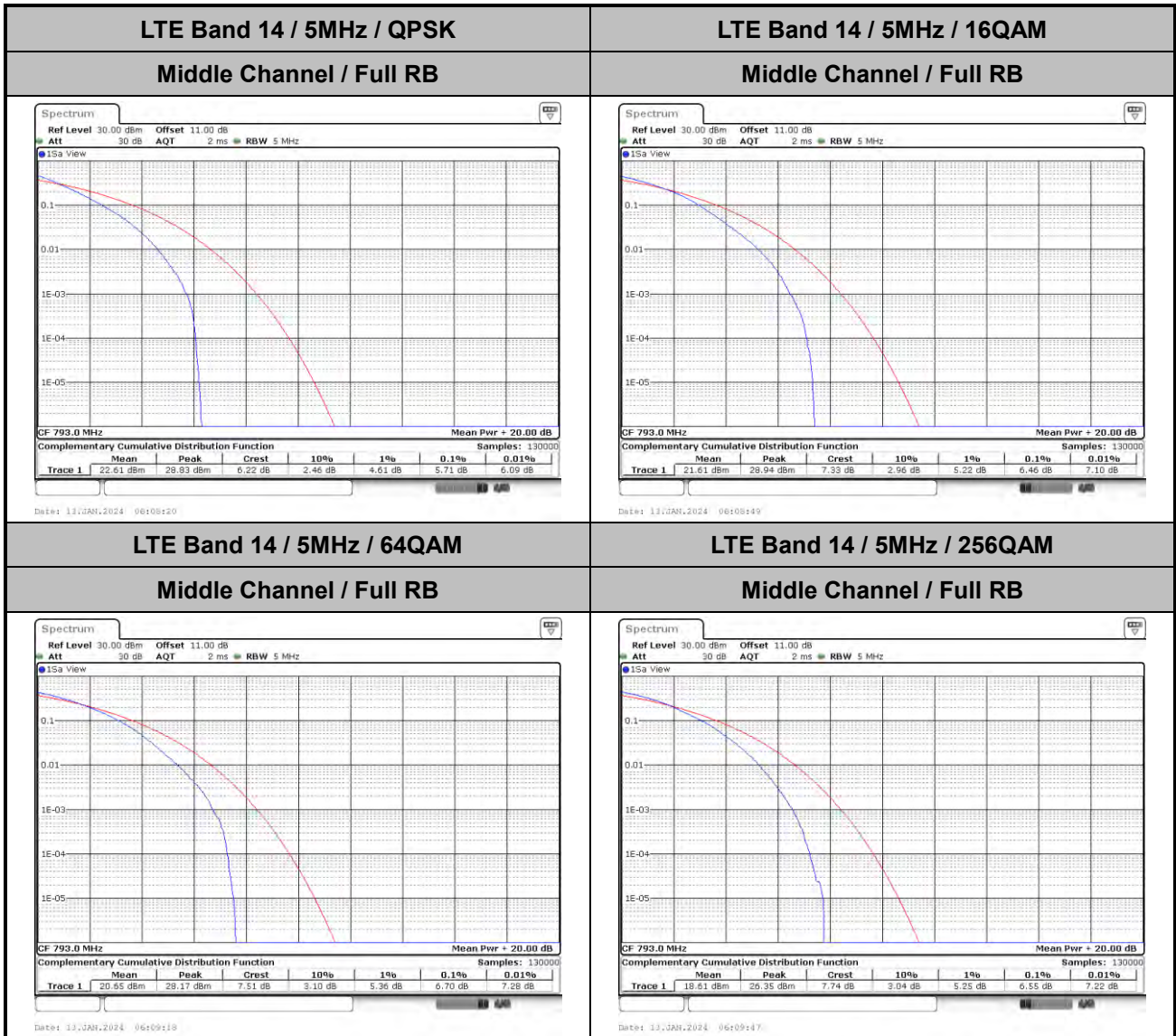
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

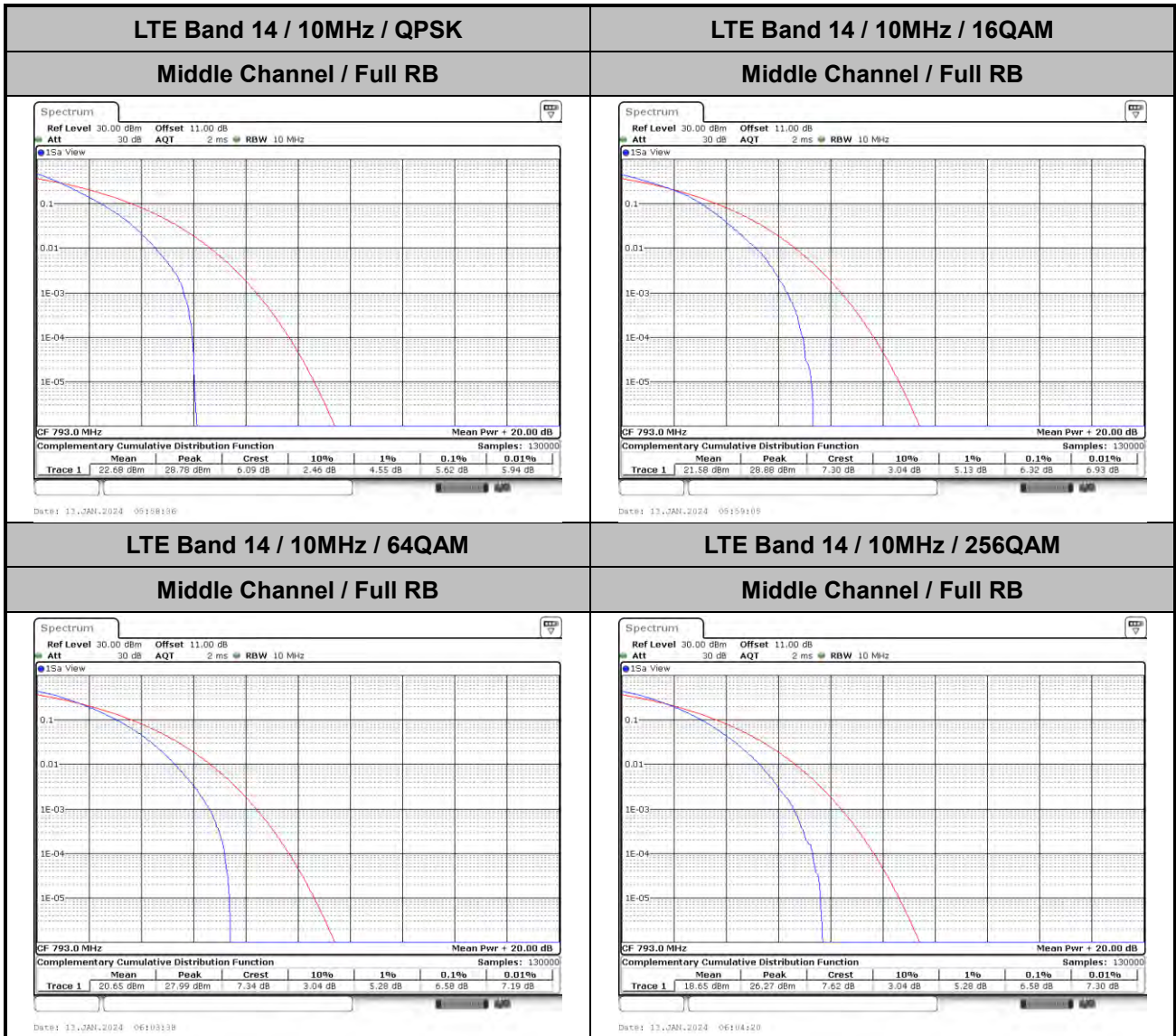


LTE Band 14

Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.71	6.46	6.70	6.55	PASS
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.62	6.32	6.58	6.58	PASS







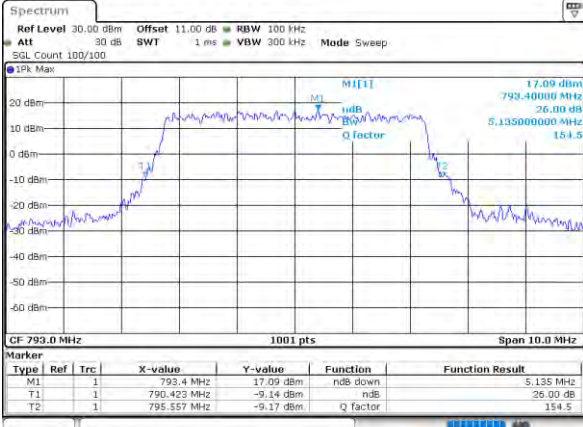
26dB Bandwidth

Mode	LTE Band 14 : 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	-	-	-	-	5.13	5.14	9.99	9.94	-	-	-	-
Mode	LTE Band 14 : 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	-	-	-	-	5.03	5.13	10.07	9.84	-	-	-	-



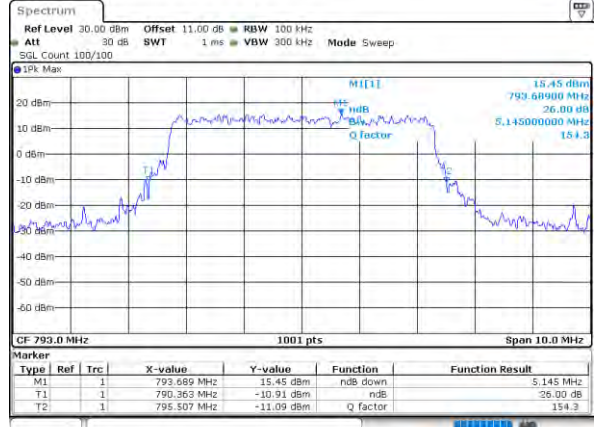
LTE Band 14

Middle Channel / 5MHz / QPSK



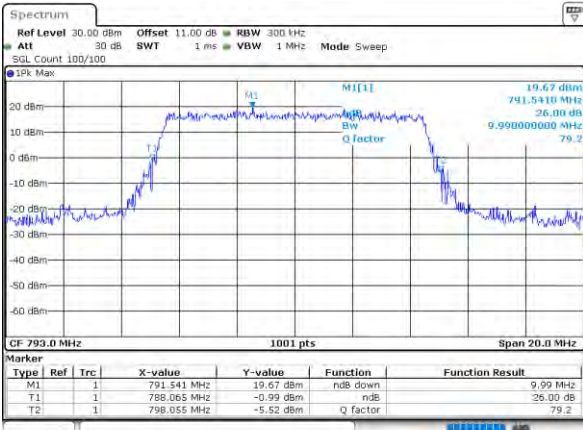
Date: 13_JAN_2024 05:15:56

Middle Channel / 5MHz / 16QAM



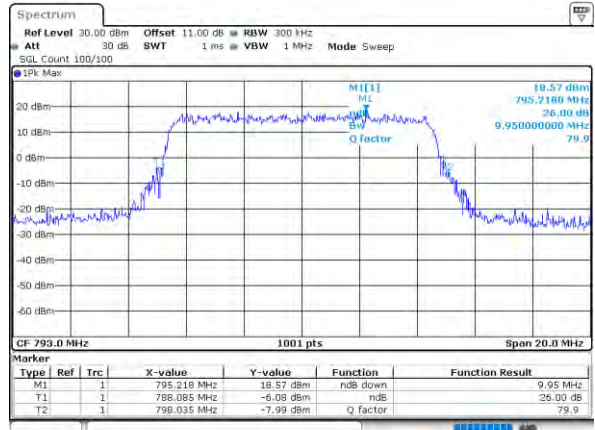
Date: 13_JAN_2024 05:16:24

Middle Channel / 10MHz / QPSK



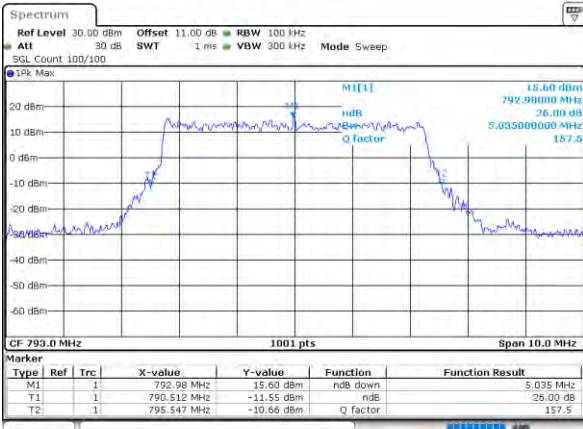
Date: 13_JAN_2024 05:18:22

Middle Channel / 10MHz / 16QAM



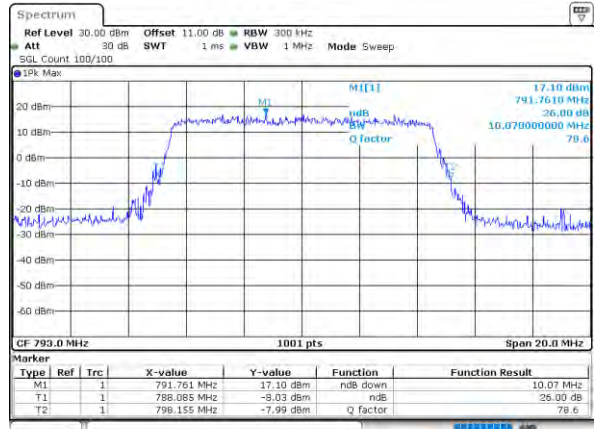
Date: 13_JAN_2024 05:19:43

Middle Channel / 5MHz / 64QAM



Date: 13_JAN_2024 05:17:18

Middle Channel / 10MHz / 64QAM



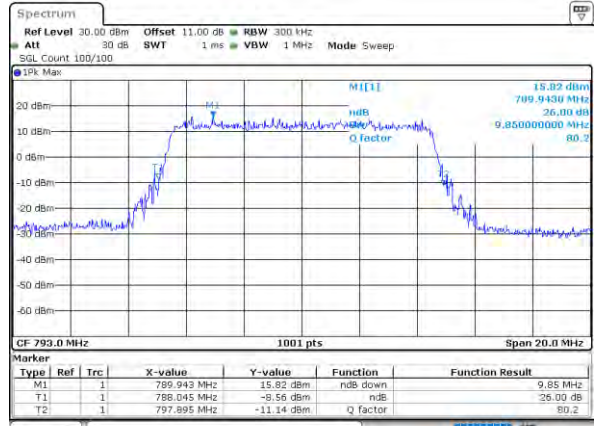
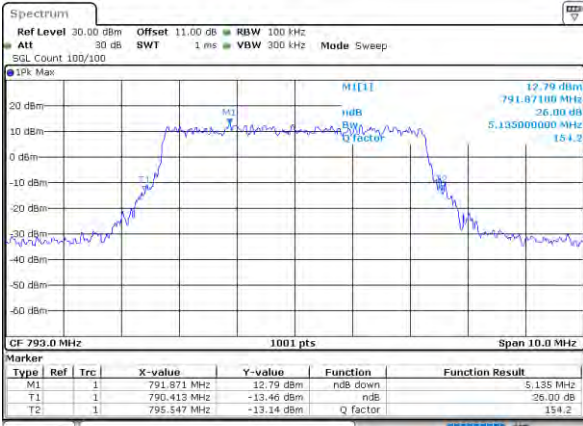
Date: 13_JAN_2024 05:19:51



LTE Band 14

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 13_JAN_2024 05:17:46

Date: 13_JAN_2024 06:10:46



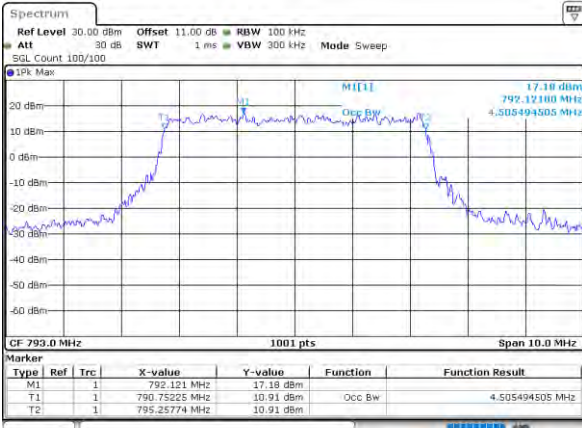
Occupied Bandwidth

Mode	LTE Band 14 : 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	4.49	9.07	9.03	-	-	-	-
Mode	LTE Band 14 : 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	-	-	-	-	4.52	4.50	9.03	9.03	-	-	-	-



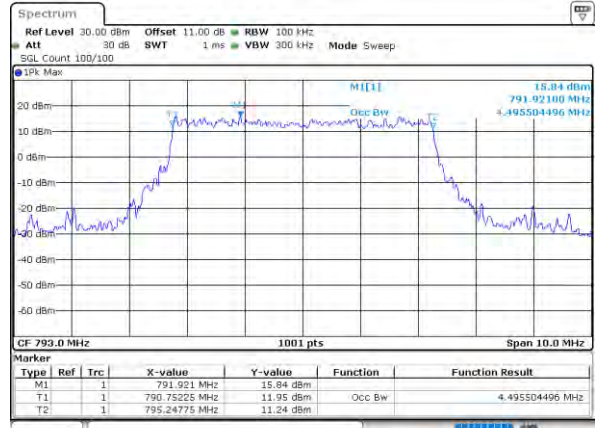
LTE Band 14

Middle Channel / 5MHz / QPSK



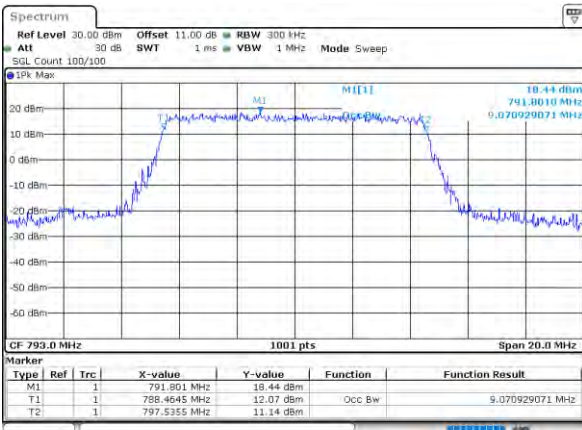
Date: 13_JAN_2024 09:11:43

Middle Channel / 5MHz / 16QAM



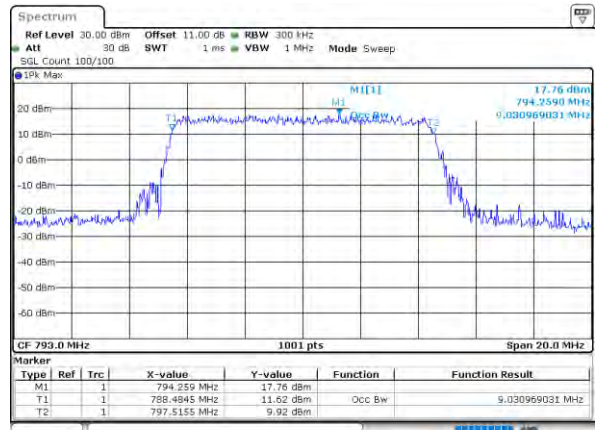
Date: 13_JAN_2024 09:11:37

Middle Channel / 10MHz / QPSK



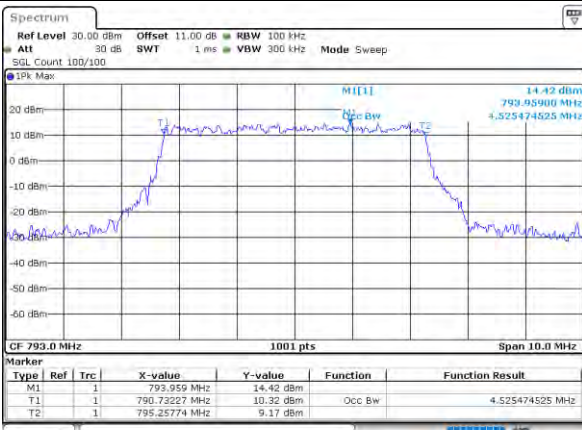
Date: 13_JAN_2024 09:08:09

Middle Channel / 10MHz / 16QAM



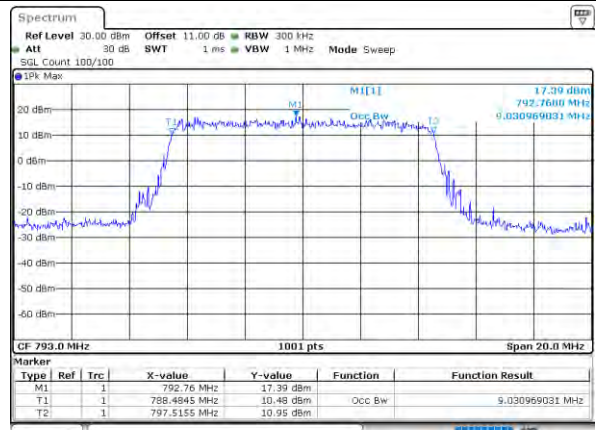
Date: 13_JAN_2024 09:09:10

Middle Channel / 5MHz / 64QAM



Date: 13_JAN_2024 09:11:09

Middle Channel / 10MHz / 64QAM



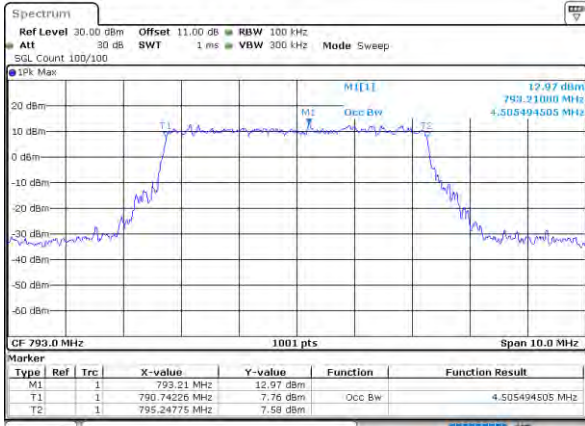
Date: 13_JAN_2024 09:09:24



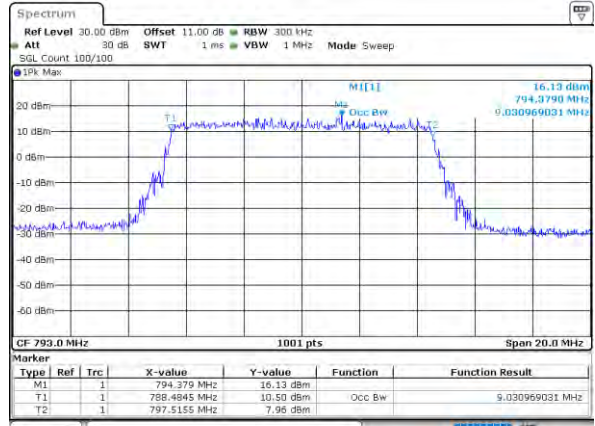
LTE Band 14

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 13_JAN_2024 09:17:59



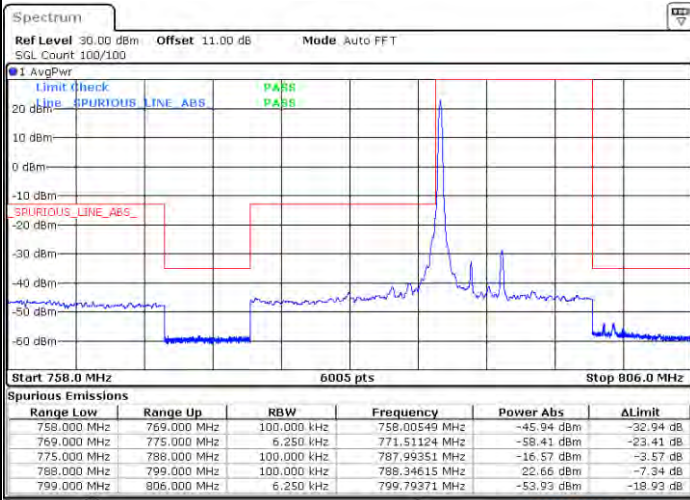
Date: 13_JAN_2024 09:18:03



Conducted Band Edge

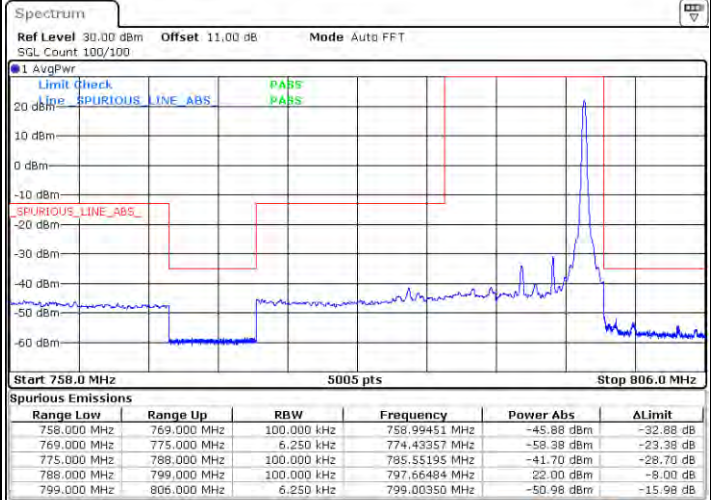
LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



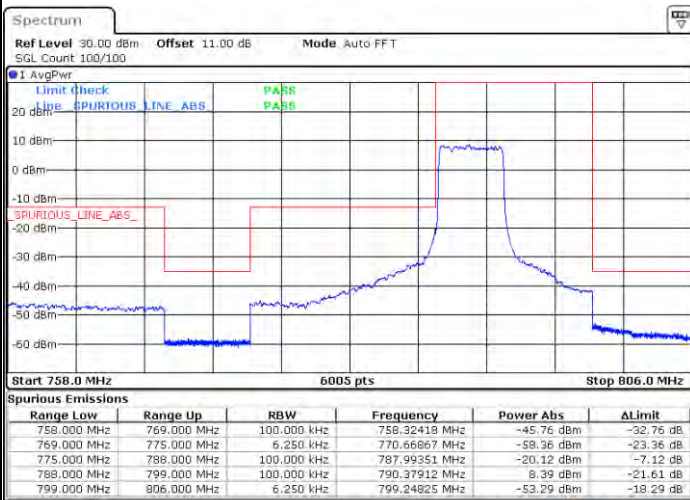
Date: 13 JAN 2024 04:54:09

Highest Band Edge / 1 RB



Date: 13 JAN 2024 09:34:32

Lowest Band Edge / Full RB



Date: 13 JAN 2024 04:53:02

Highest Band Edge / Full RB

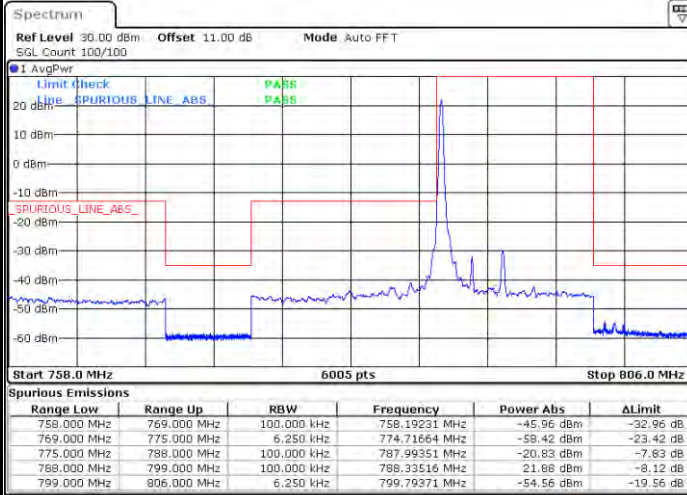


Date: 13 JAN 2024 09:33:29



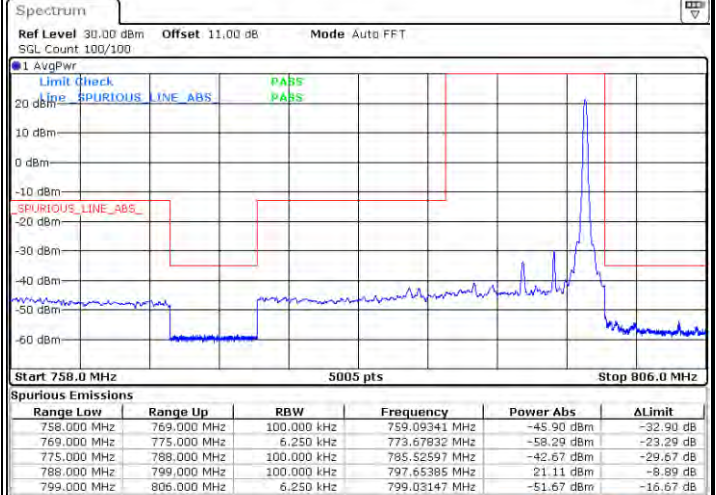
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



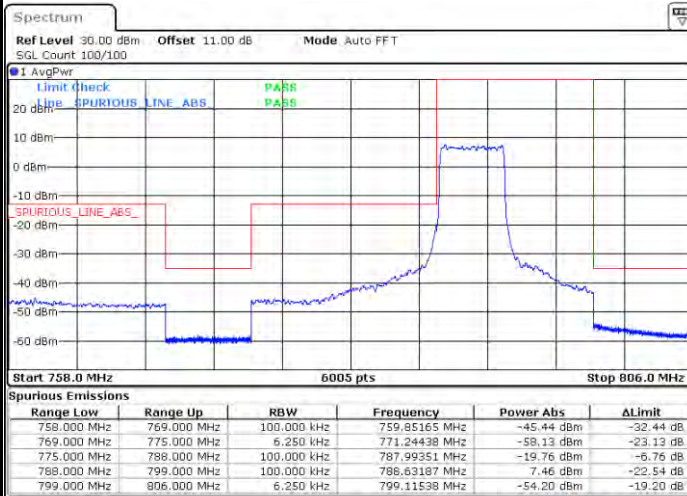
Date: 13 JAN 2024 04:56:18

Highest Band Edge / 1 RB



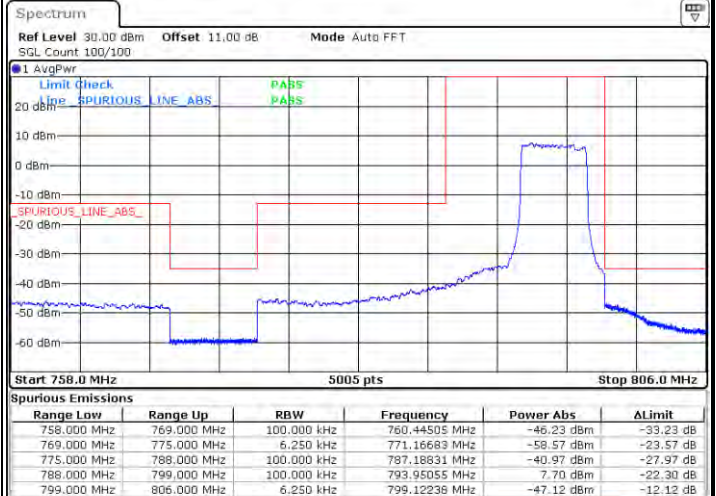
Date: 13 JAN 2024 09:37:55

Lowest Band Edge / Full RB



Date: 13 JAN 2024 04:57:25

Highest Band Edge / Full RB



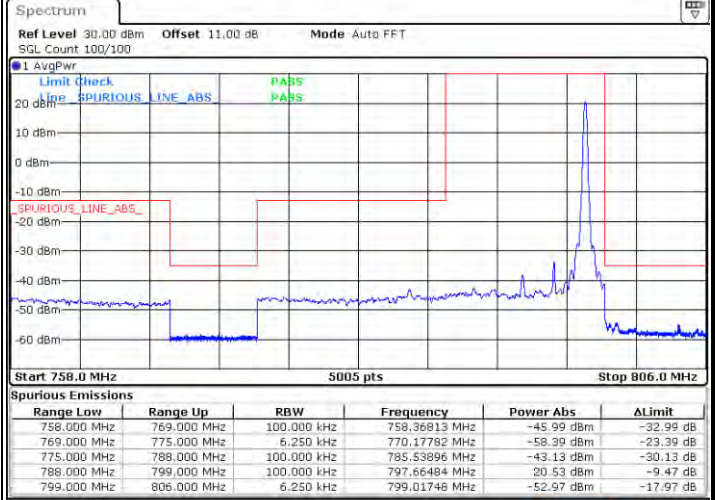
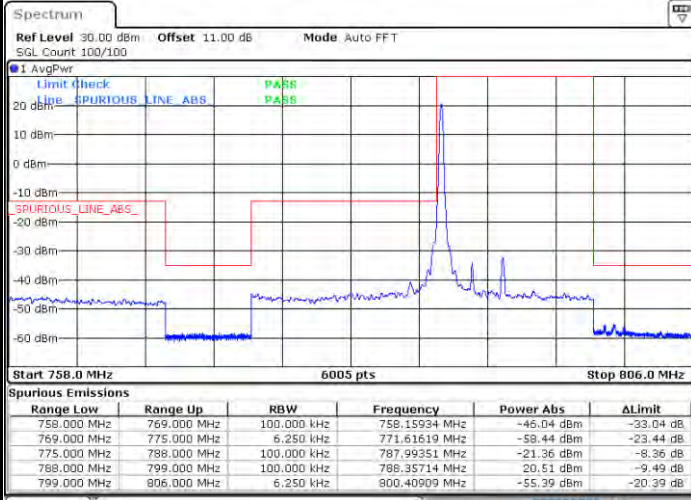
Date: 13 JAN 2024 09:36:47



LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

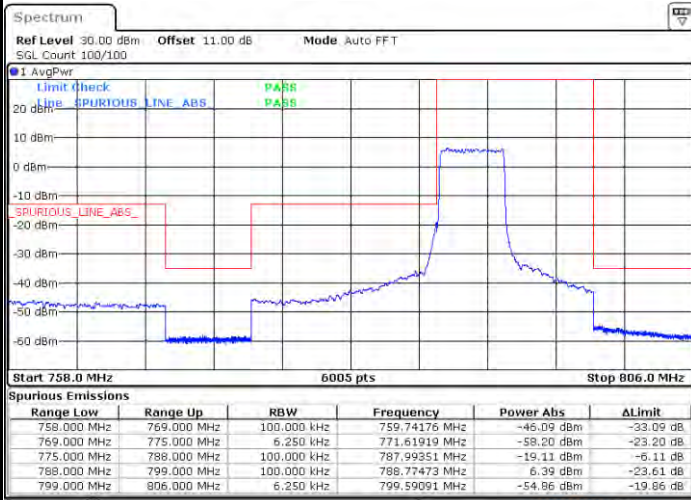


Date: 13 JAN 2024 04:59:41

Date: 13 JAN 2024 09:59:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



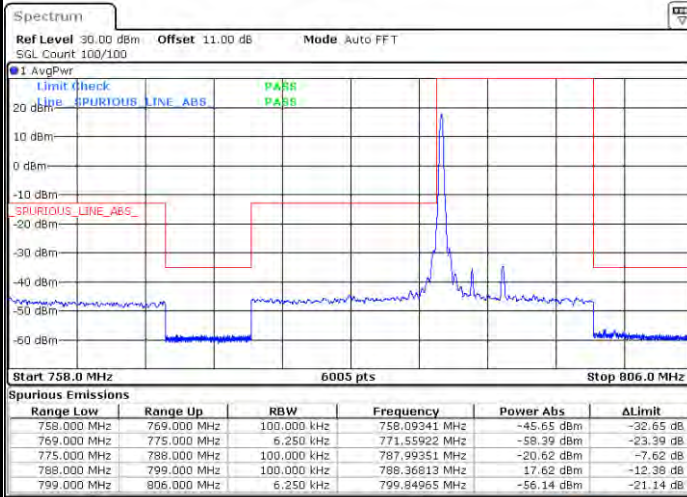
Date: 13 JAN 2024 04:58:33

Date: 13 JAN 2024 09:54:10



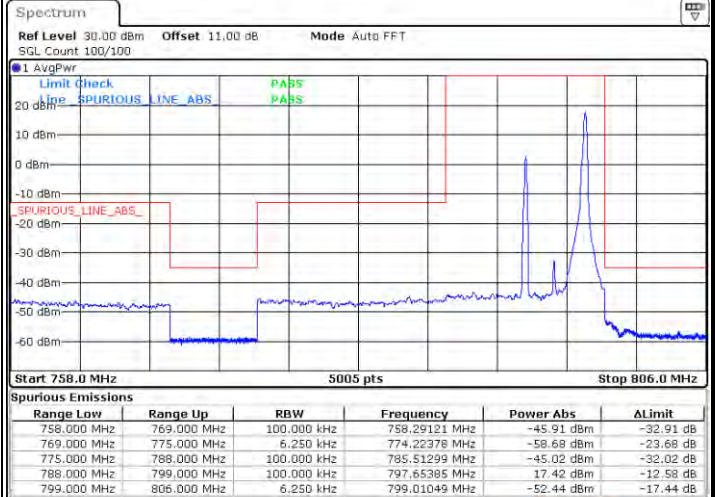
LTE Band 14 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



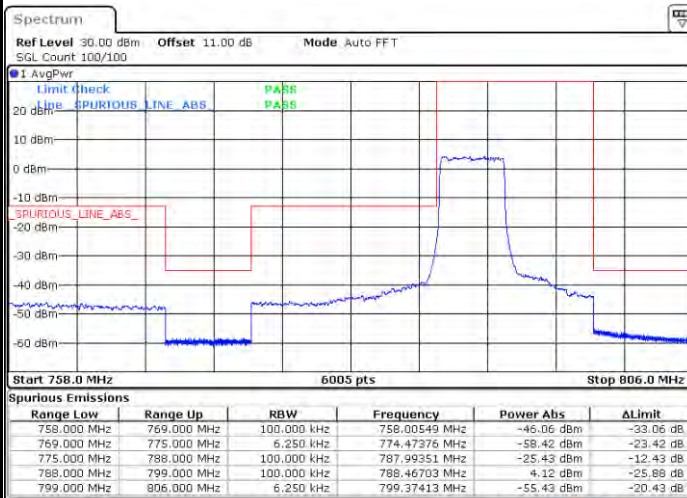
Date: 13 JAN 2024 05:00:48

Highest Band Edge / 1 RB



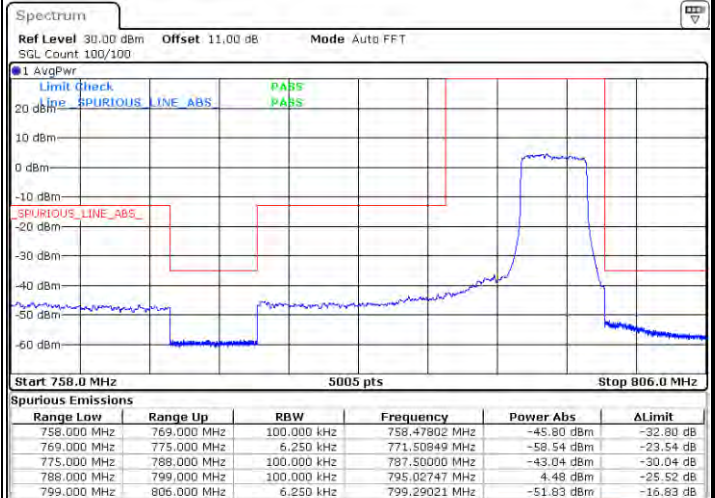
Date: 13 JAN 2024 05:14:26

Lowest Band Edge / Full RB

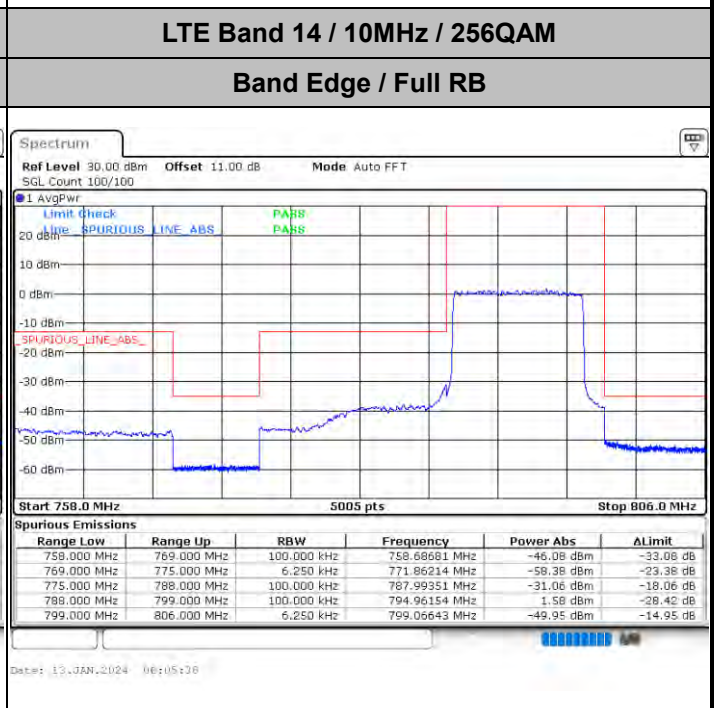
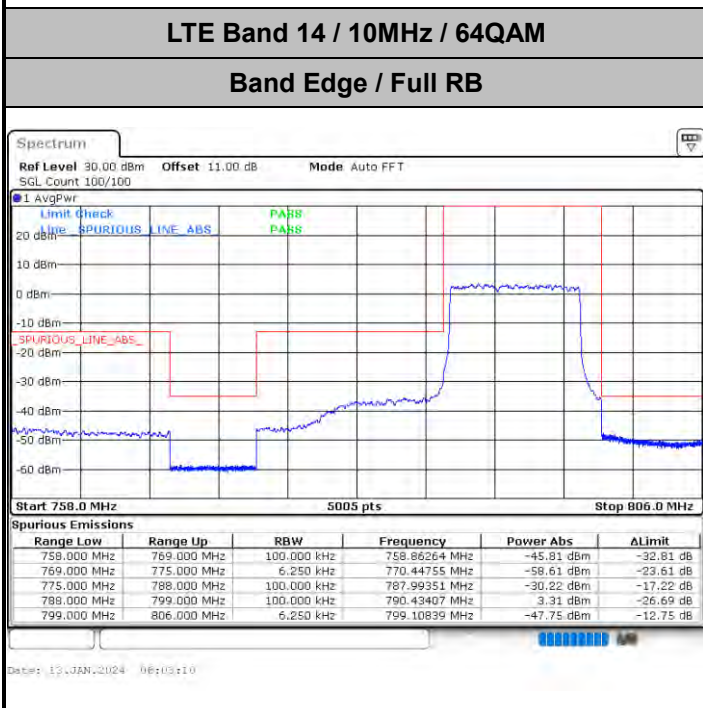
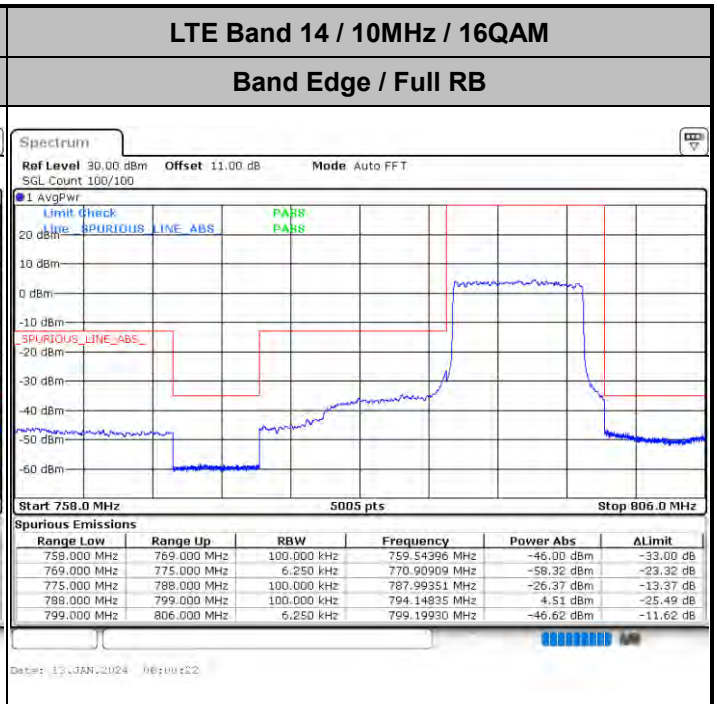
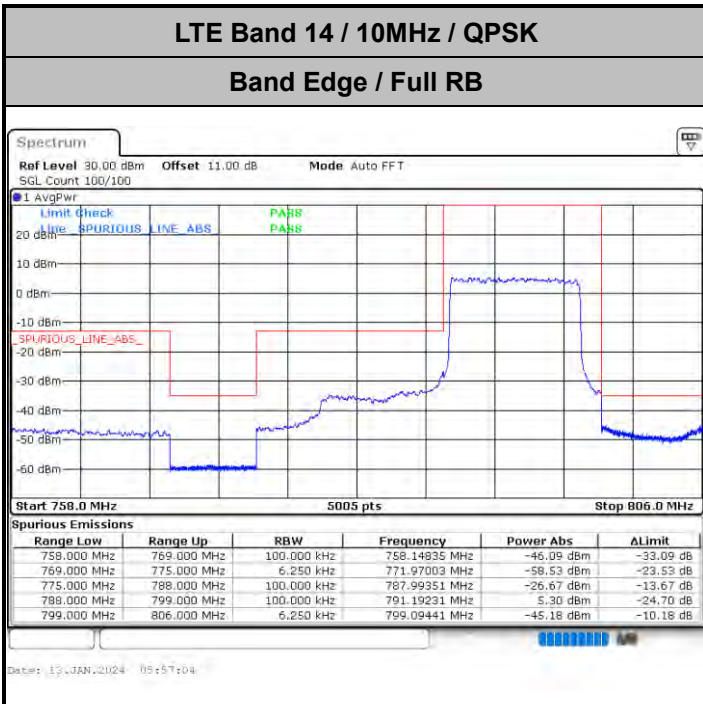


Date: 13 JAN 2024 05:01:56

Highest Band Edge / Full RB

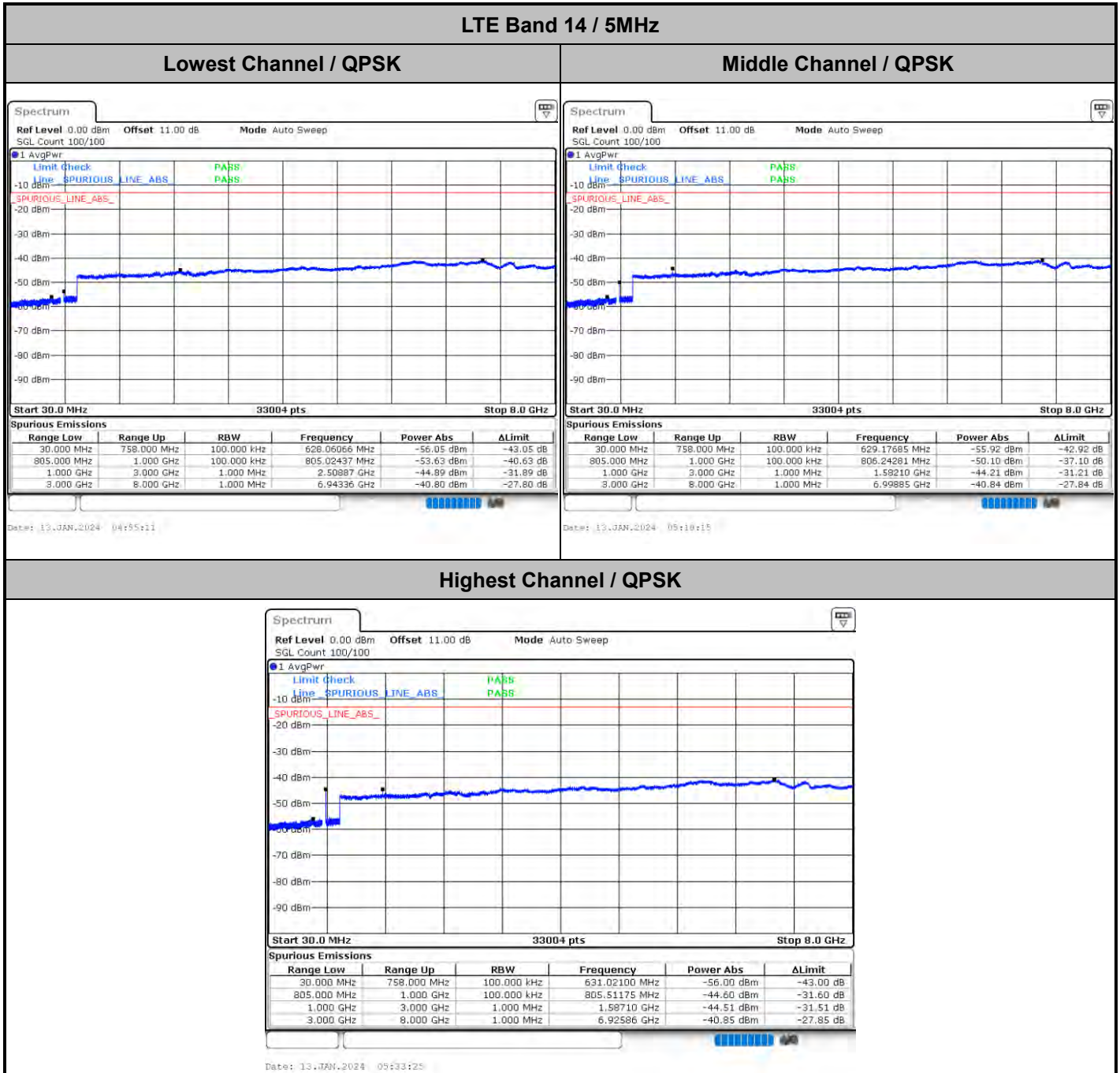


Date: 13 JAN 2024 05:14:17





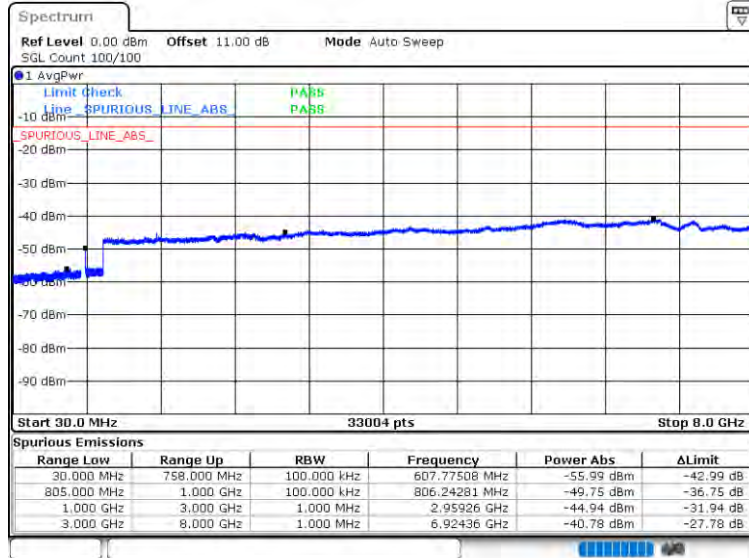
Conducted Spurious Emission





LTE Band 14 / 10MHz

Middle Channel / QPSK



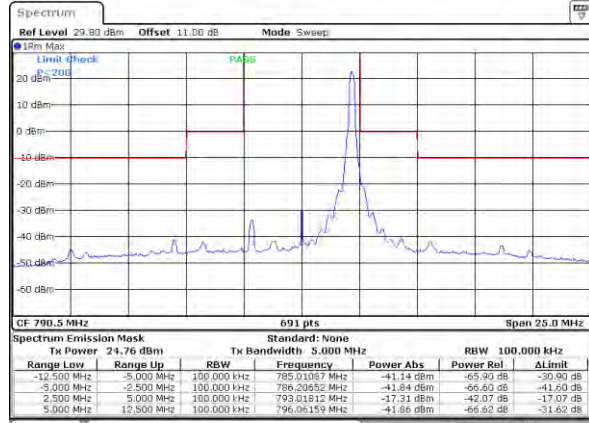
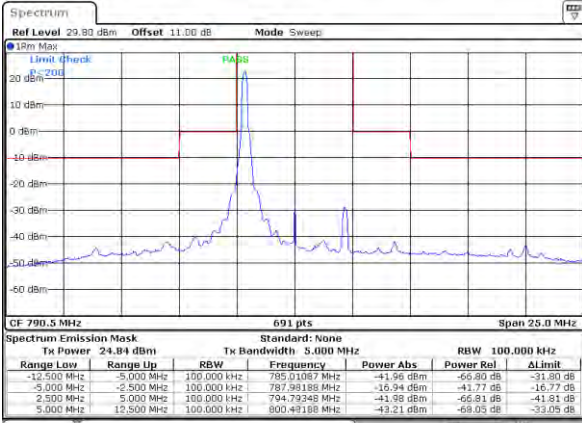
Date: 13-JAN-2024 06:07:45



Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB



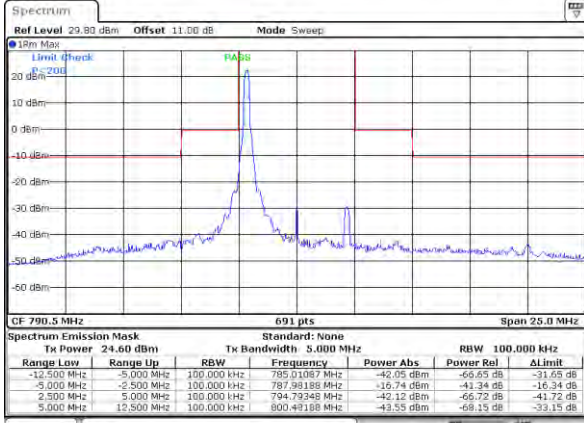
Lowest Channel / Full RB



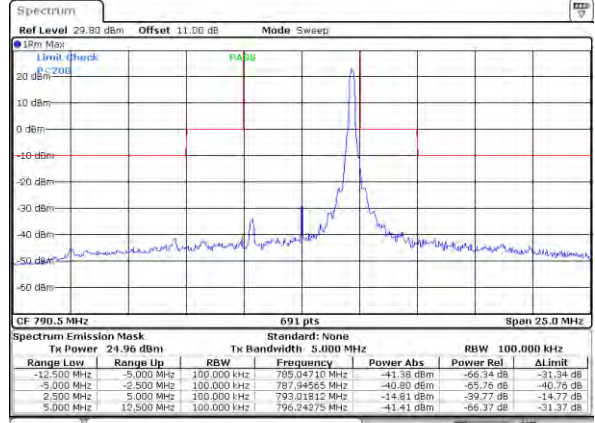


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

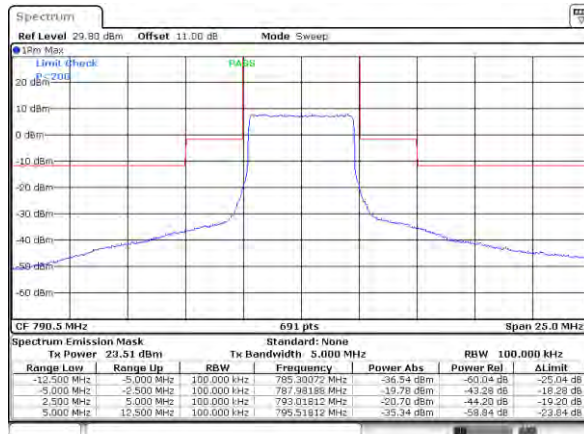


Date: 13_JAN_2024 09:10:13



Date: 13_JAN_2024 09:10:23

Lowest Channel / Full RB

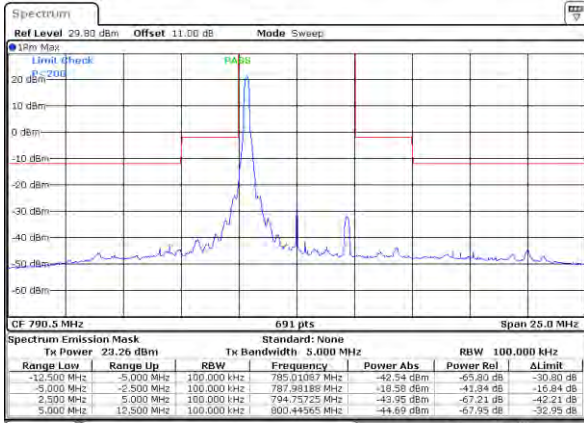


Date: 13_JAN_2024 09:10:22

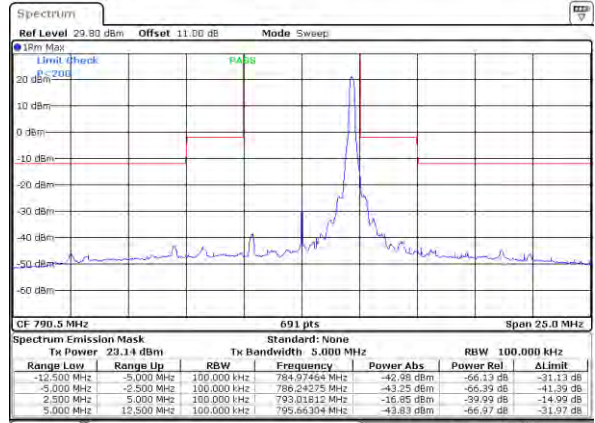


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

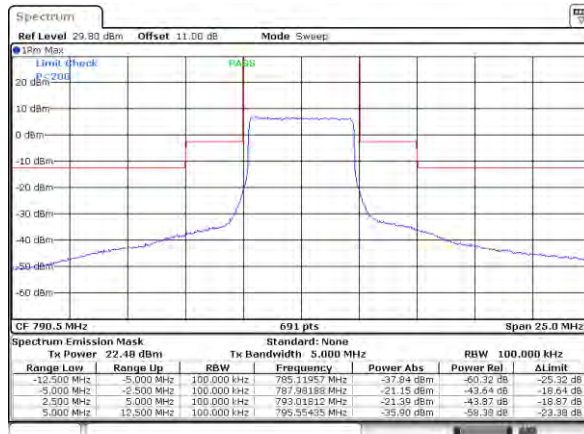


Date: 13_JAN_2024 08:10:41



Date: 13_JAN_2024 08:10:47

Lowest Channel / Full RB

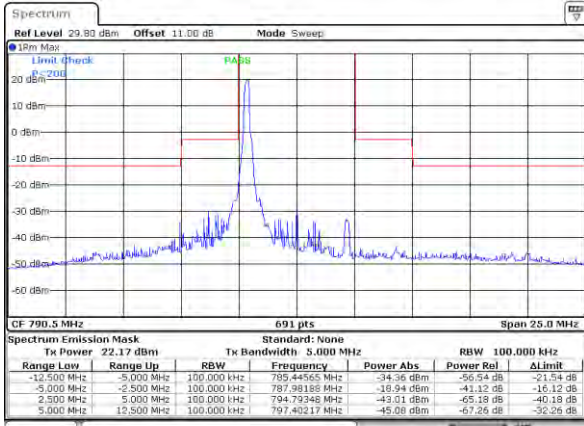


Date: 13_JAN_2024 08:11:56

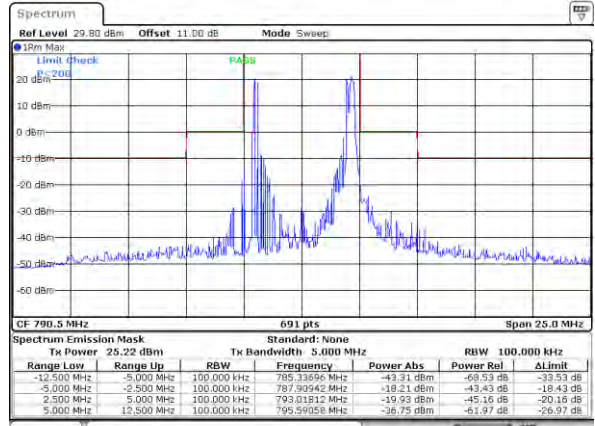


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

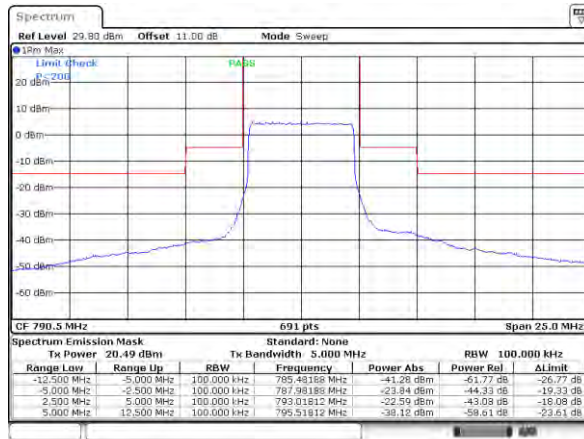


Date: 13_JAN_2024 09:11:19



Date: 13_JAN_2024 09:11:19

Lowest Channel / Full RB

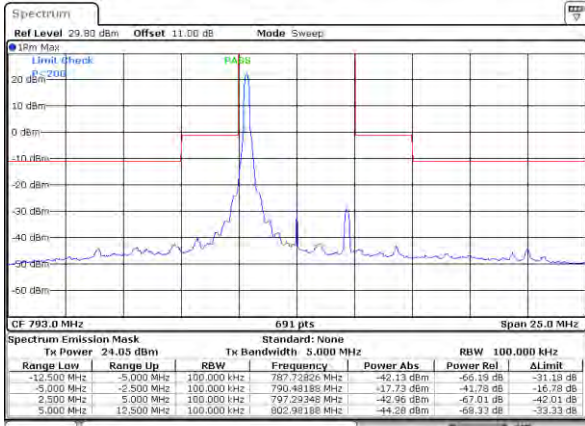


Date: 13_JAN_2024 09:11:19

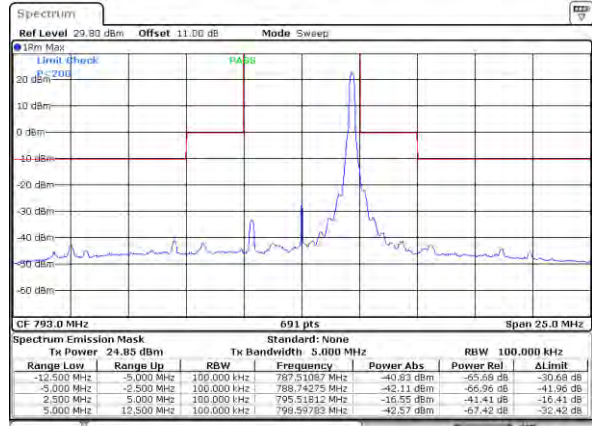


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

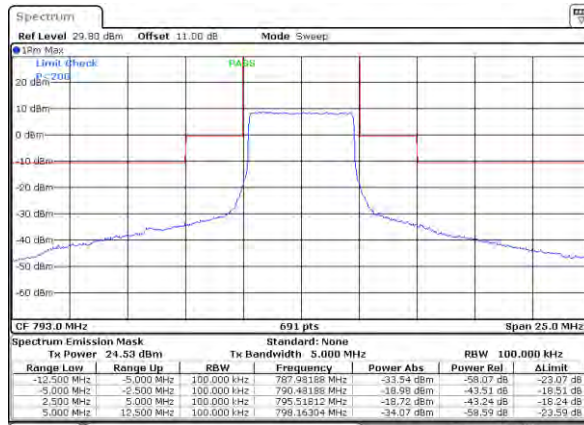


Date: 16_JAN_2024 03:46:07



Date: 13_JAN_2024 08:12:11

Middle Channel / Full RB

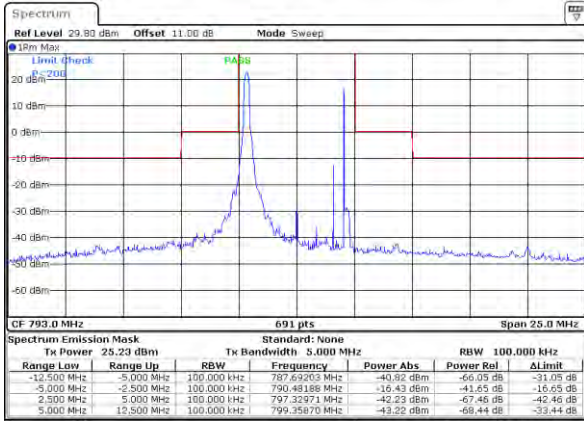


Date: 13_JAN_2024 08:22:58

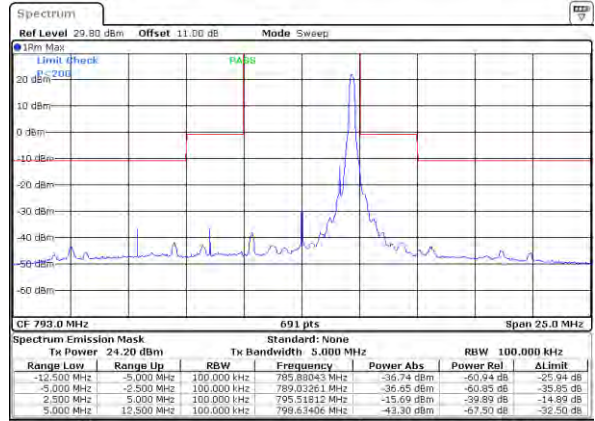


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

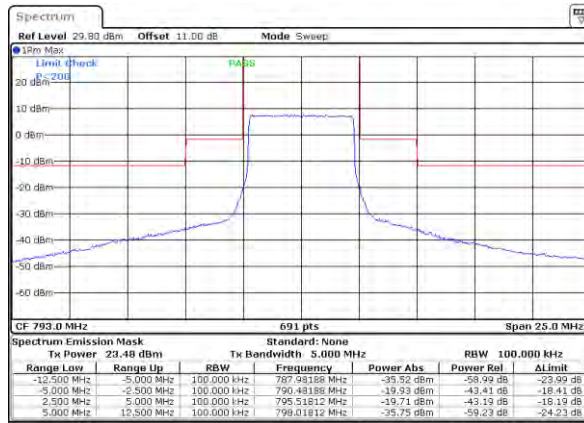


Date: 13_JAN_2024 09:23:33



Date: 13_JAN_2024 09:24:29

Middle Channel / Full RB



Date: 13_JAN_2024 09:23:33