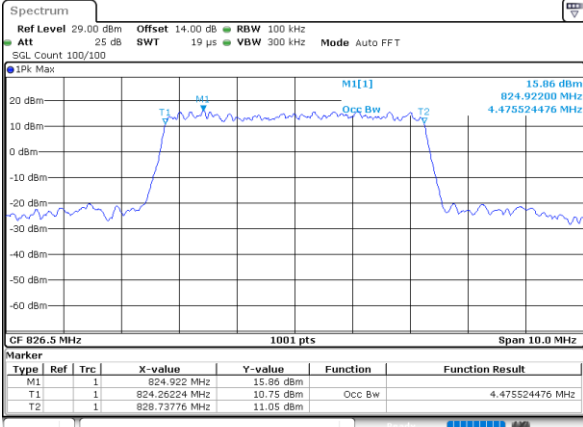




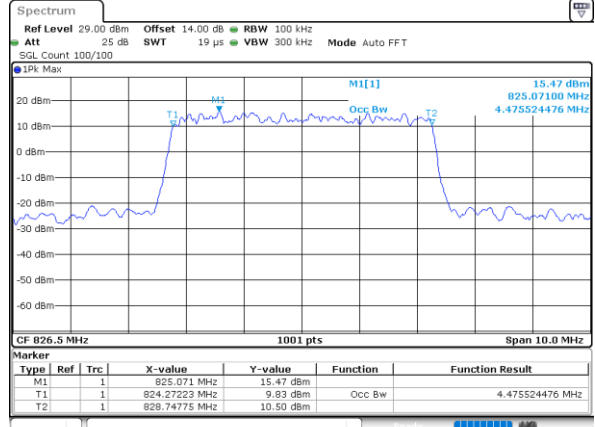
LTE Band 5

Lowest Channel / 5MHz / QPSK



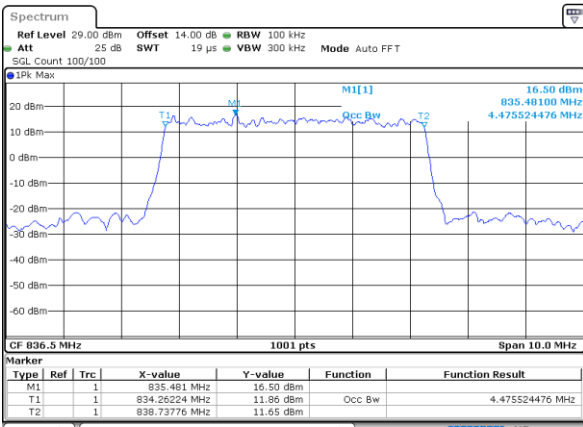
Date: 25. DEC. 2021 04:30:45

Lowest Channel / 5MHz / 16QAM



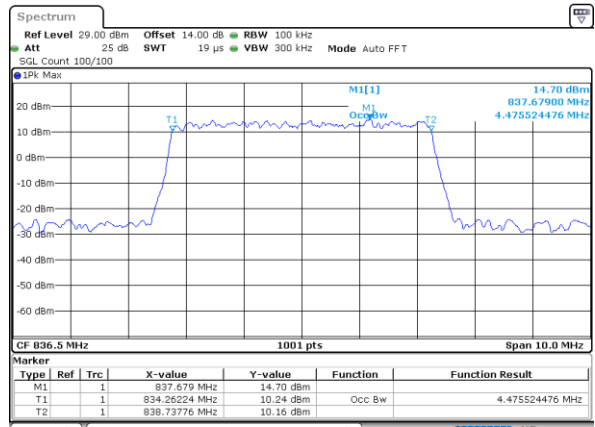
Date: 25. DEC. 2021 04:30:56

Middle Channel / 5MHz / QPSK



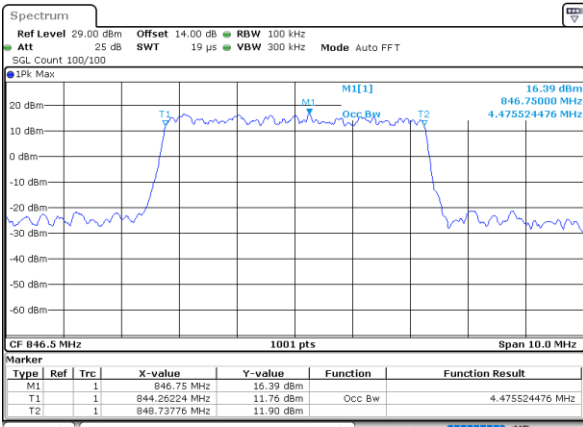
Date: 25. DEC. 2021 04:39:53

Middle Channel / 5MHz / 16QAM



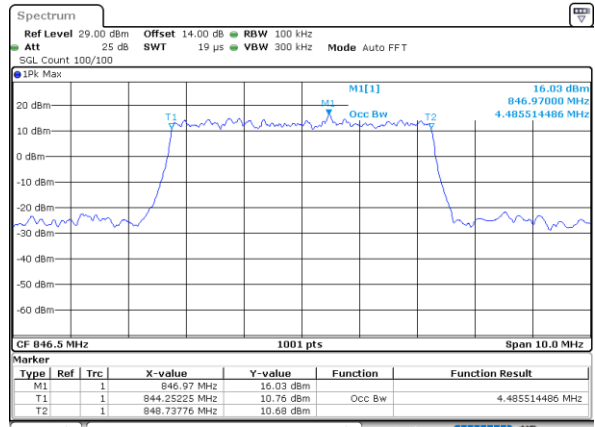
Date: 25. DEC. 2021 04:40:04

Highest Channel / 5MHz / QPSK



Date: 25. DEC. 2021 04:42:26

Highest Channel / 5MHz / 16QAM

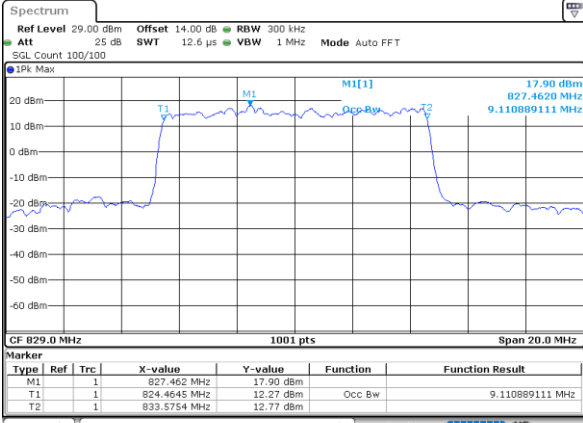


Date: 25. DEC. 2021 04:42:37



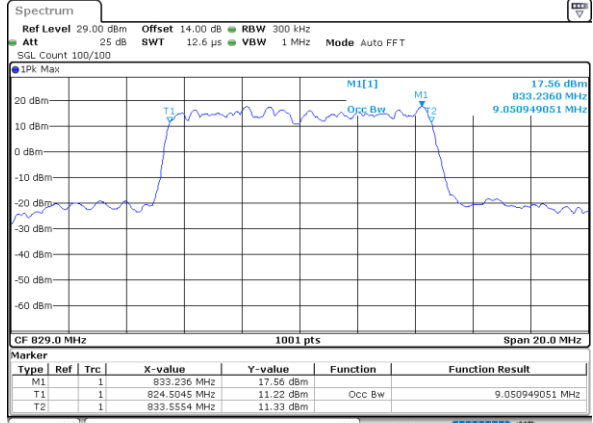
LTE Band 5

Lowest Channel / 10MHz / QPSK



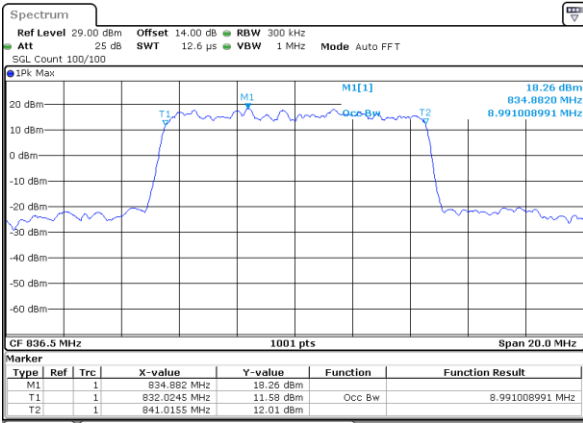
Date: 25. DEC. 2021 05:10:14

Lowest Channel / 10MHz / 16QAM



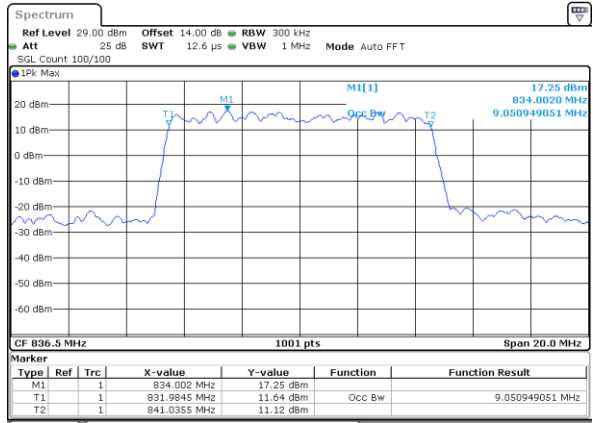
Date: 25. DEC. 2021 05:10:15

Middle Channel / 10MHz / QPSK



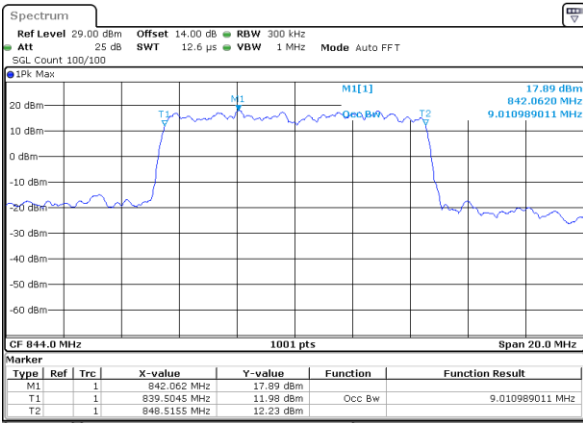
Date: 25. DEC. 2021 05:10:12

Middle Channel / 10MHz / 16QAM



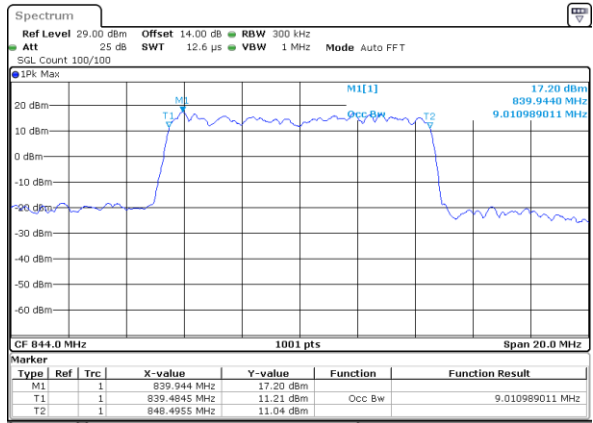
Date: 25. DEC. 2021 05:10:13

Highest Channel / 10MHz / QPSK



Date: 25. DEC. 2021 05:12:44

Highest Channel / 10MHz / 16QAM

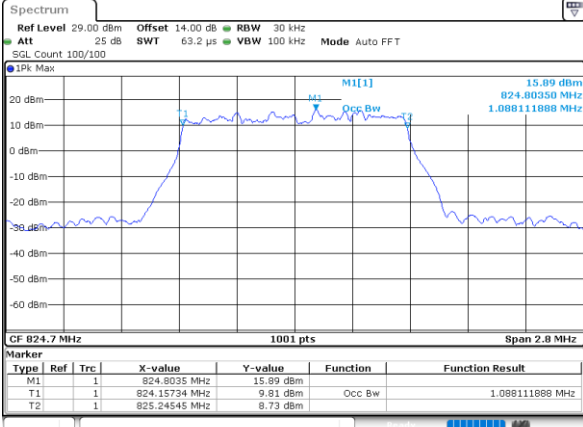


Date: 25. DEC. 2021 05:11:55

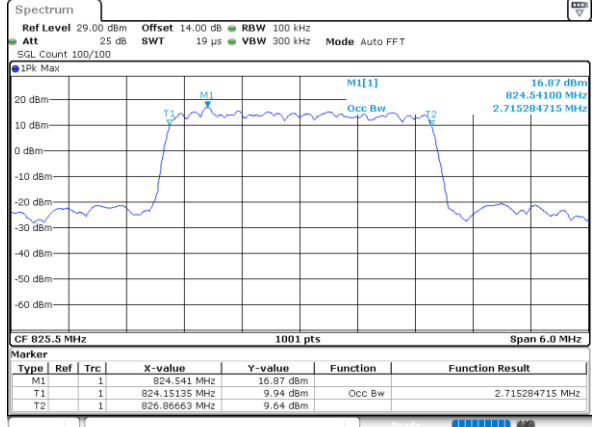


LTE Band 5

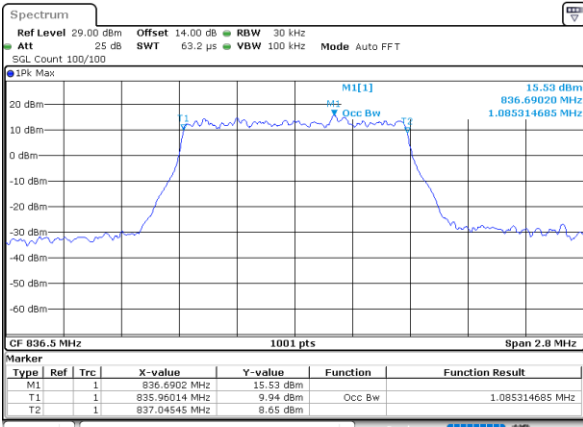
Lowest Channel / 1.4MHz / 64QAM



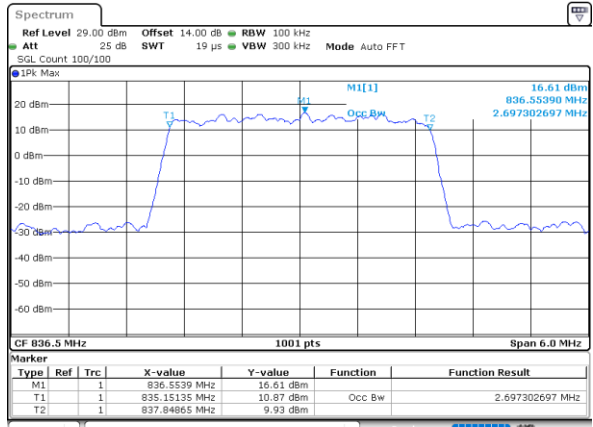
Lowest Channel / 3MHz / 64QAM



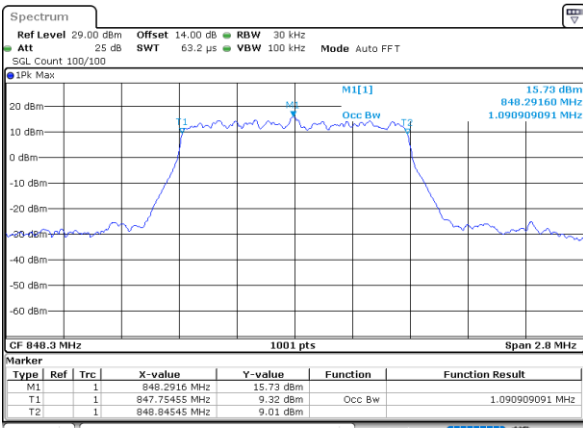
Middle Channel / 1.4MHz / 64QAM



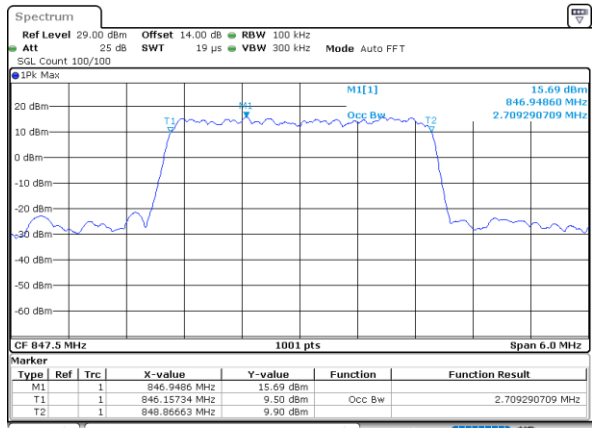
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



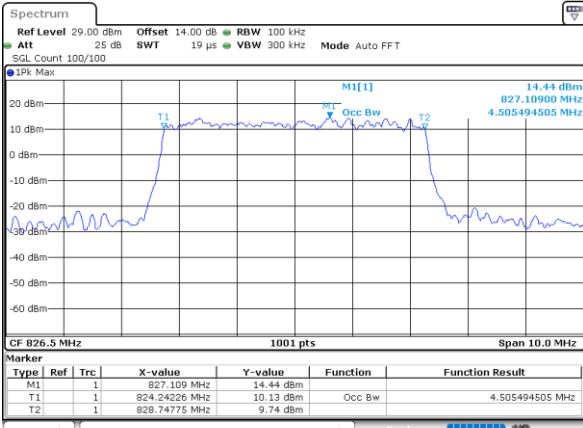
Highest Channel / 3MHz / 64QAM





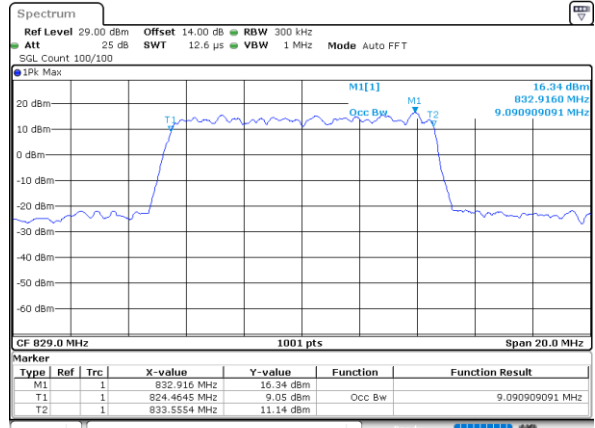
LTE Band 5

Lowest Channel / 5MHz / 64QAM



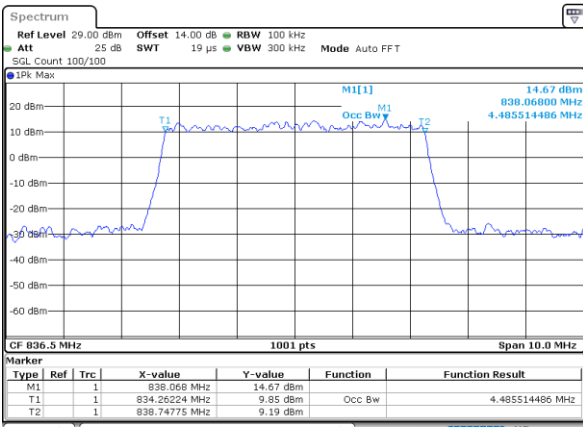
Date: 25. DEC. 2021 04:51:34

Lowest Channel / 10MHz / 64QAM



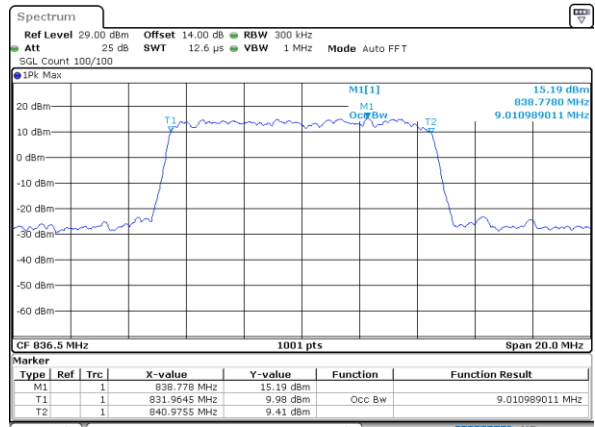
Date: 25. DEC. 2021 05:12:147

Middle Channel / 5MHz / 64QAM



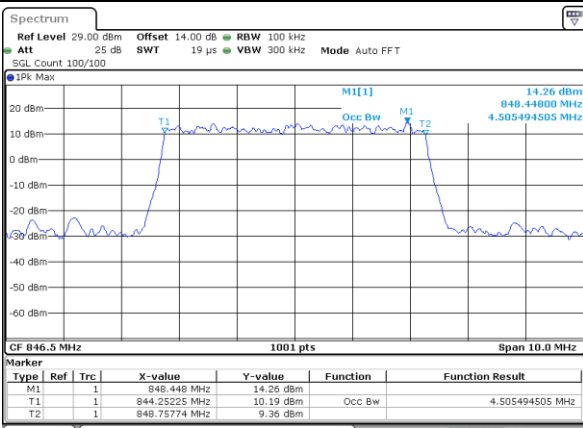
Date: 25. DEC. 2021 04:56:08

Middle Channel / 10MHz / 64QAM



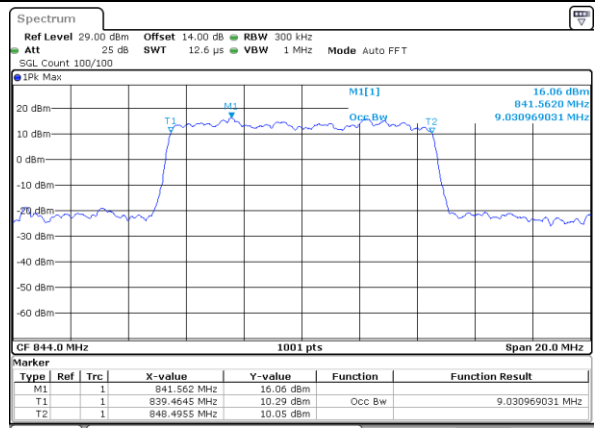
Date: 25. DEC. 2021 05:12:121

Highest Channel / 5MHz / 64QAM



Date: 25. DEC. 2021 04:57:24

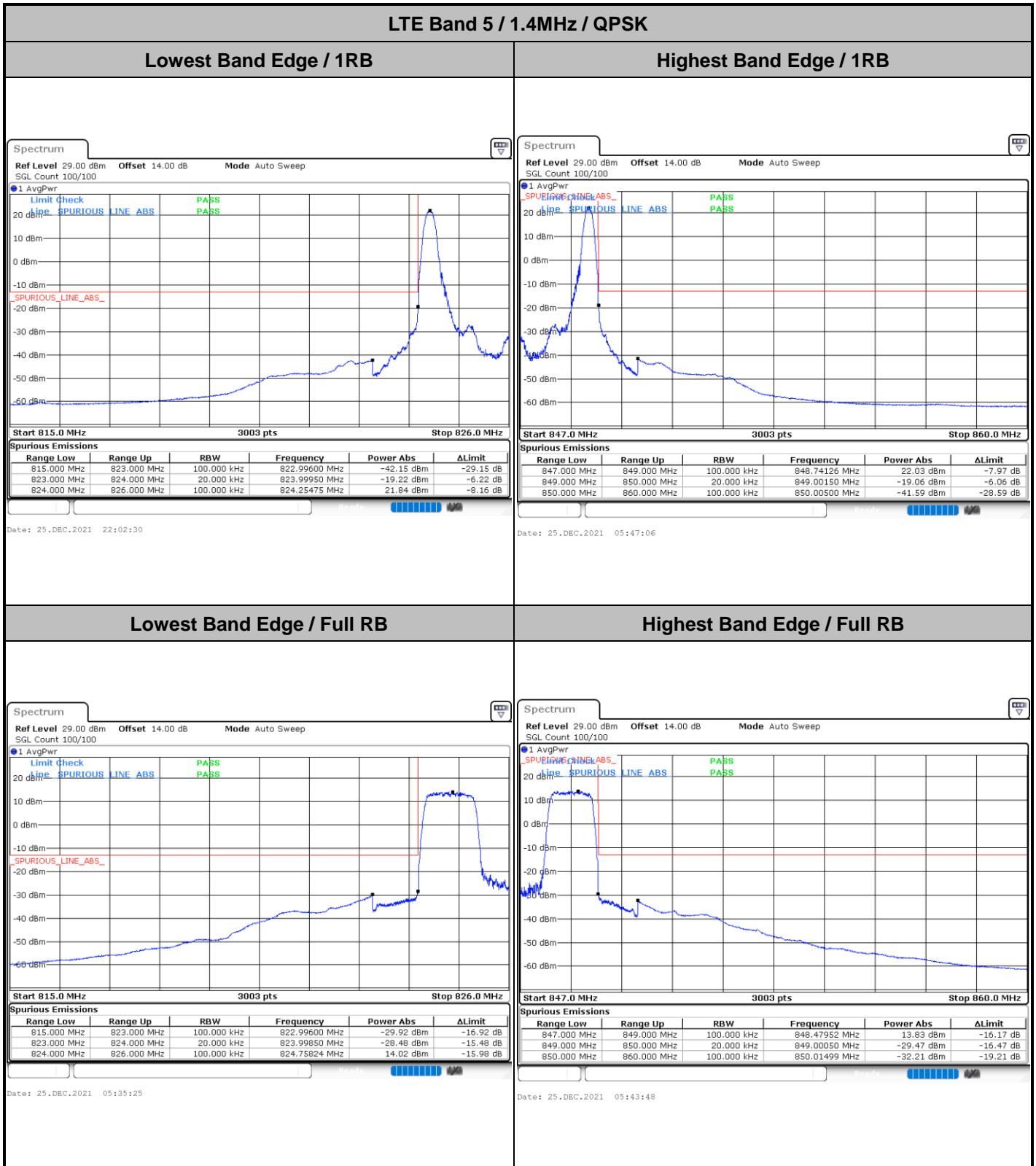
Highest Channel / 10MHz / 64QAM

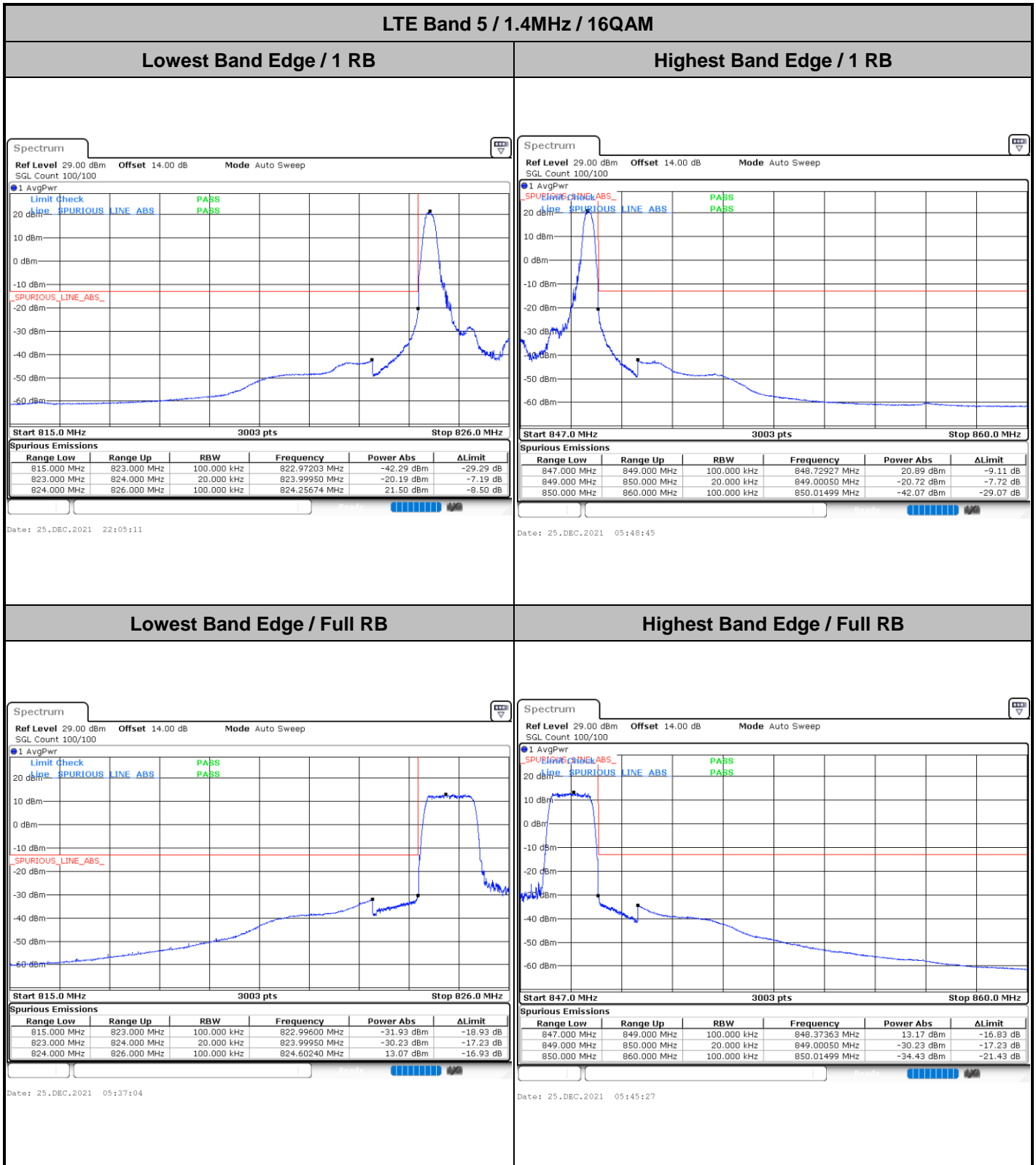


Date: 25. DEC. 2021 05:12:837



# Conducted Band Edge

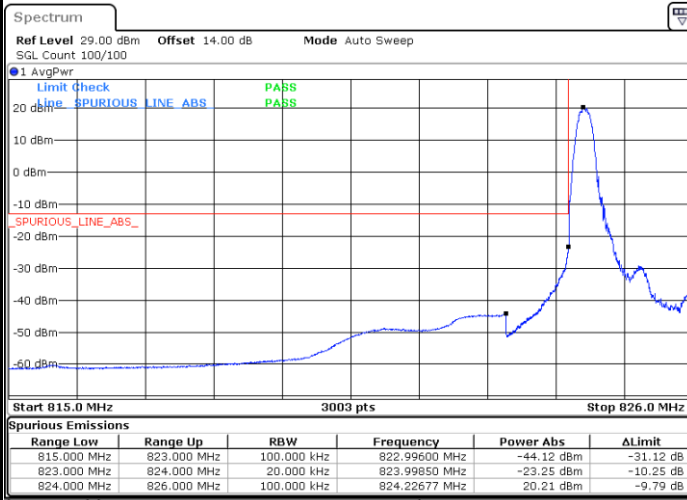






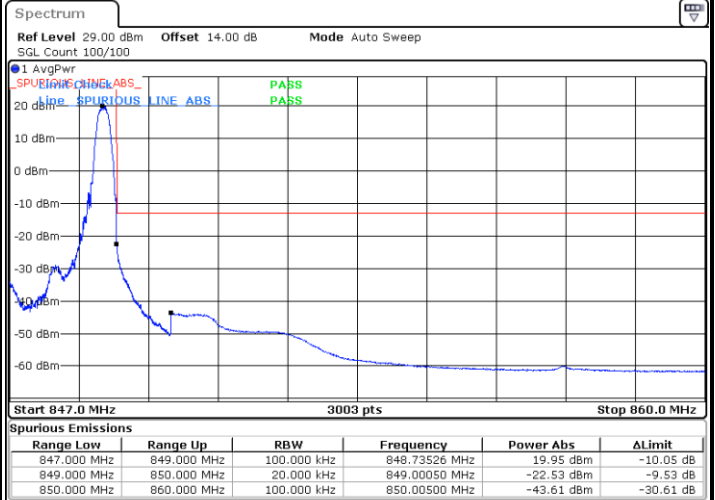
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



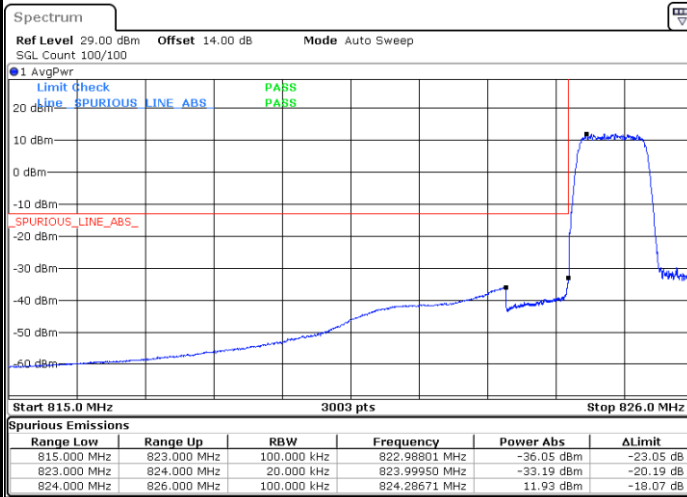
Date: 25.DEC.2021 22:06:41

Highest Band Edge / 1 RB



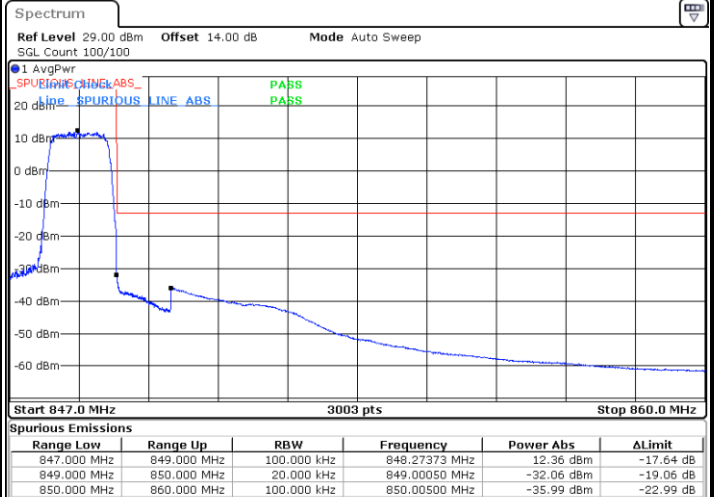
Date: 25.DEC.2021 05:58:25

Lowest Band Edge / Full RB



Date: 25.DEC.2021 05:52:35

Highest Band Edge / Full RB

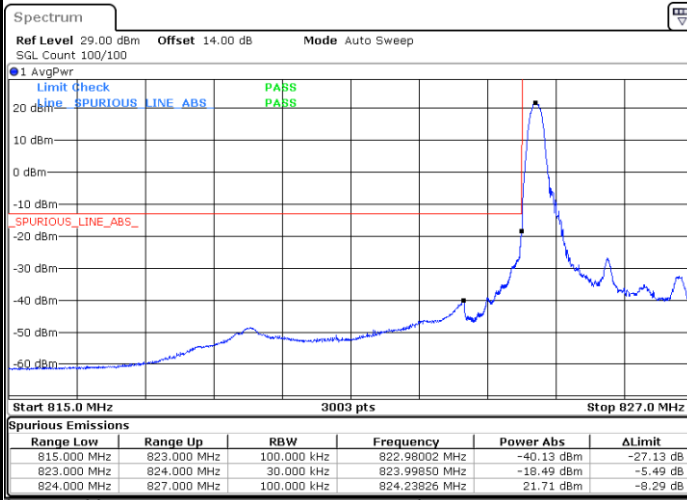


Date: 25.DEC.2021 05:56:46



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



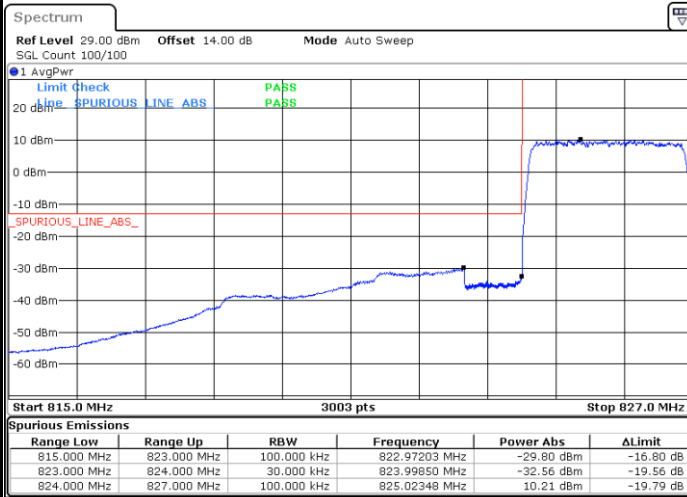
Date: 25.DEC.2021 04:01:45

Highest Band Edge / 1 RB



Date: 25.DEC.2021 04:13:25

Lowest Band Edge / Full RB



Date: 25.DEC.2021 04:05:03

Highest Band Edge / Full RB



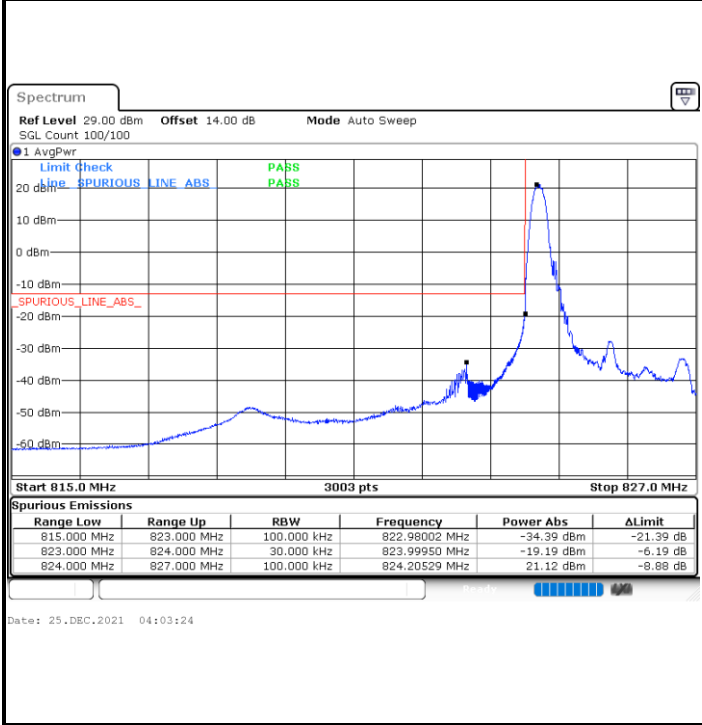
Date: 25.DEC.2021 04:16:43



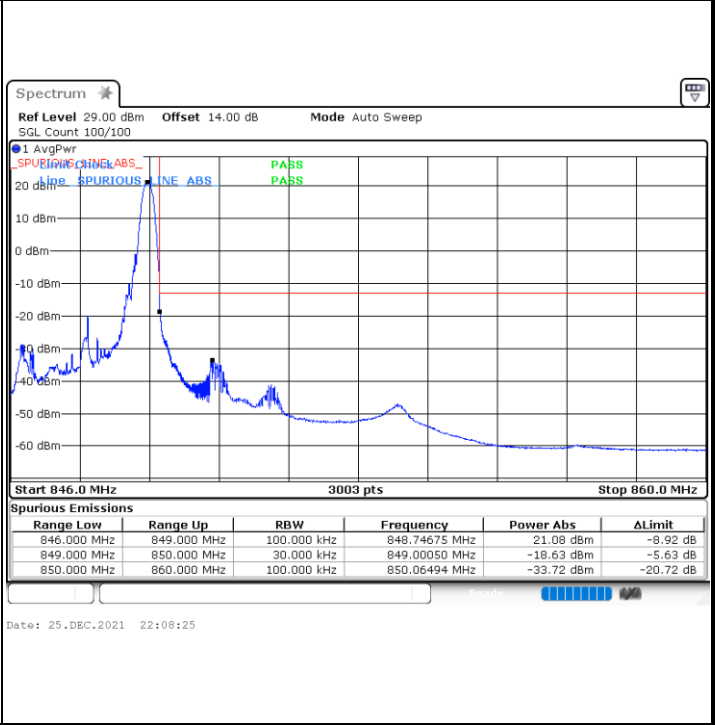


LTE Band 5 / 3MHz / 16QAM

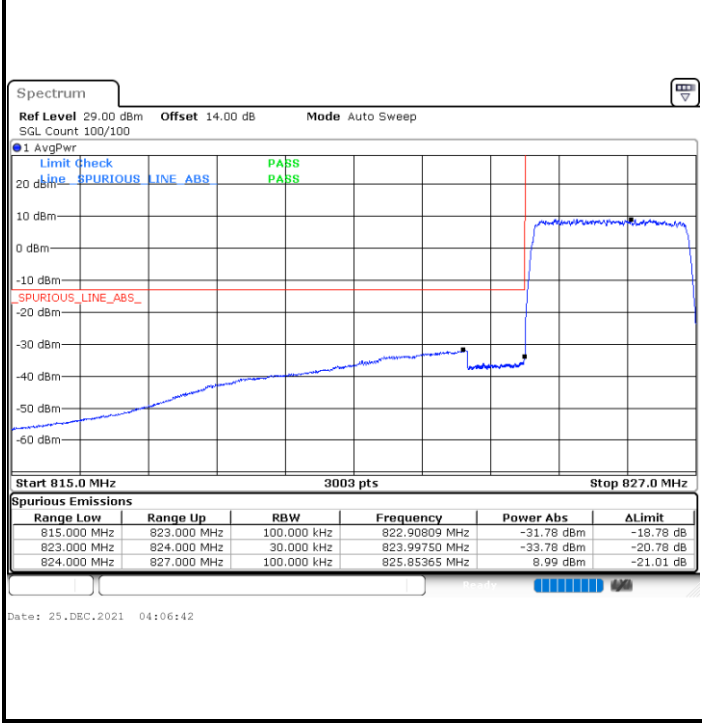
Lowest Band Edge / 1 RB



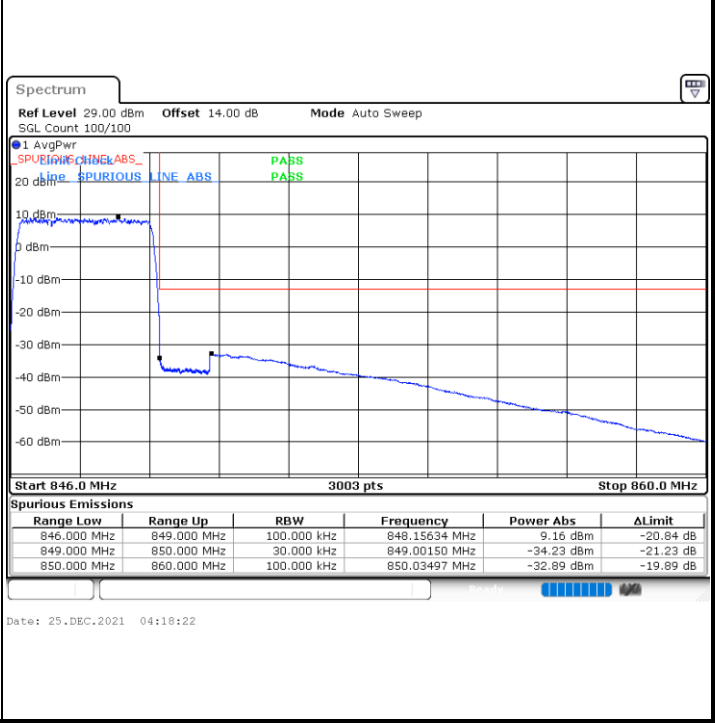
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



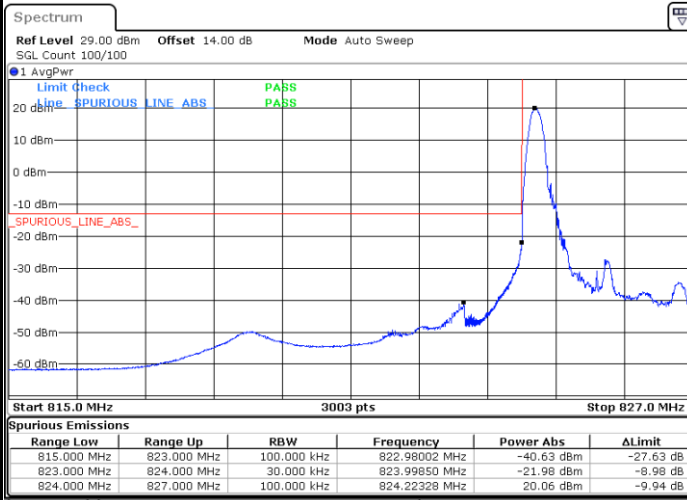
Highest Band Edge / Full RB





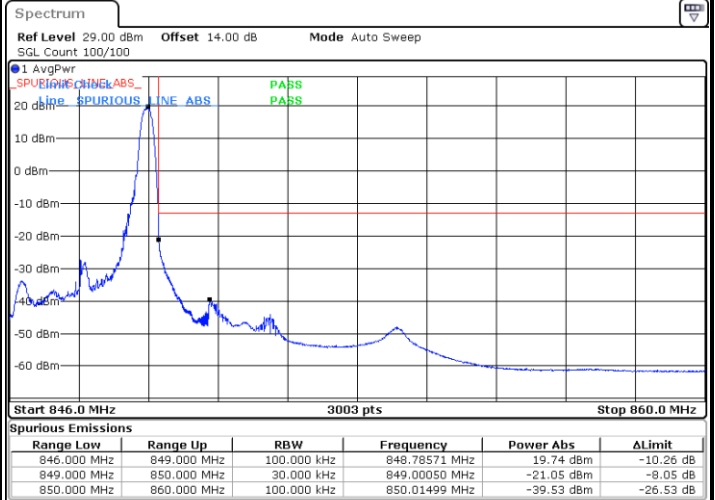
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



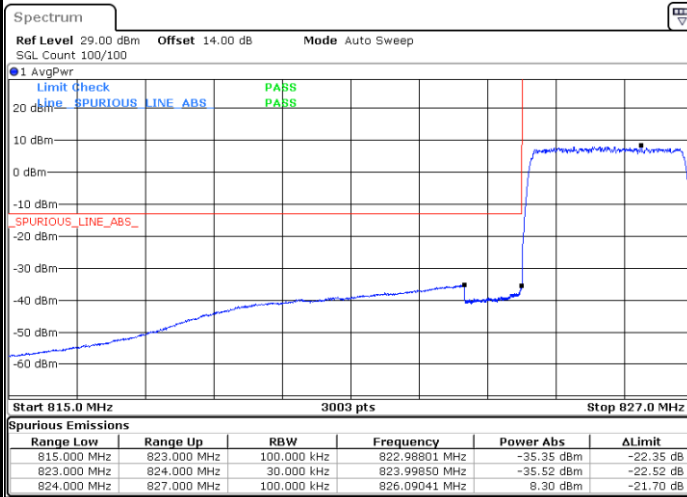
Date: 25.DEC.2021 04:22:11

Highest Band Edge / 1 RB



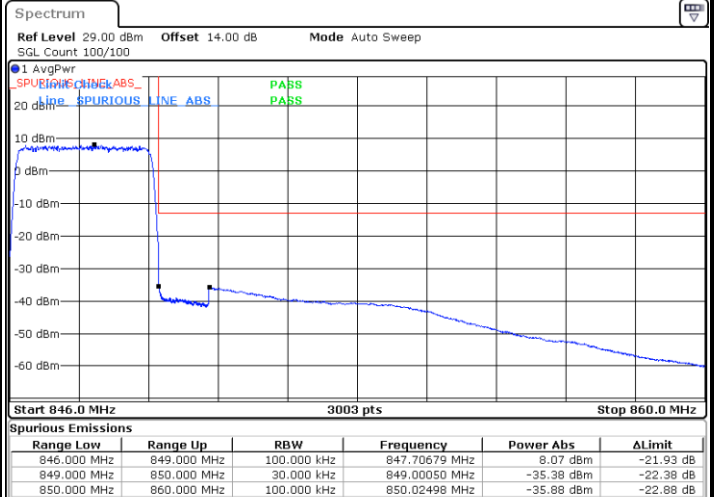
Date: 25.DEC.2021 04:28:01

Lowest Band Edge / Full RB



Date: 25.DEC.2021 04:23:50

Highest Band Edge / Full RB

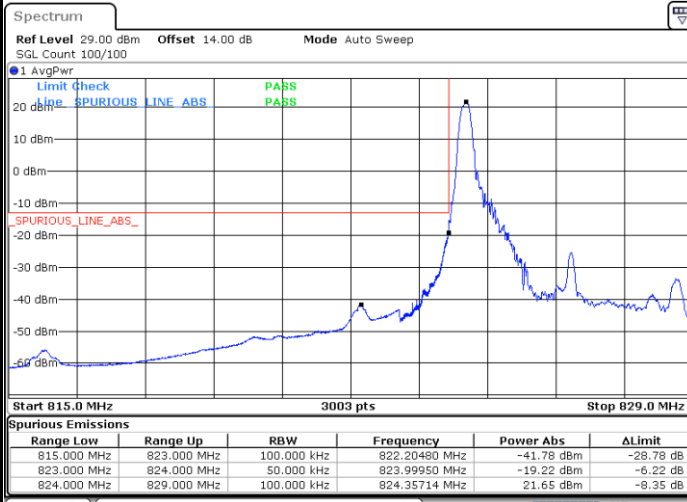


Date: 25.DEC.2021 04:29:40



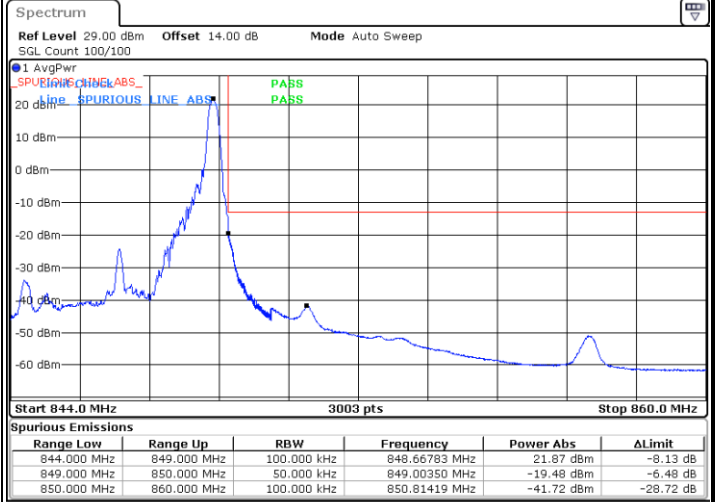
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



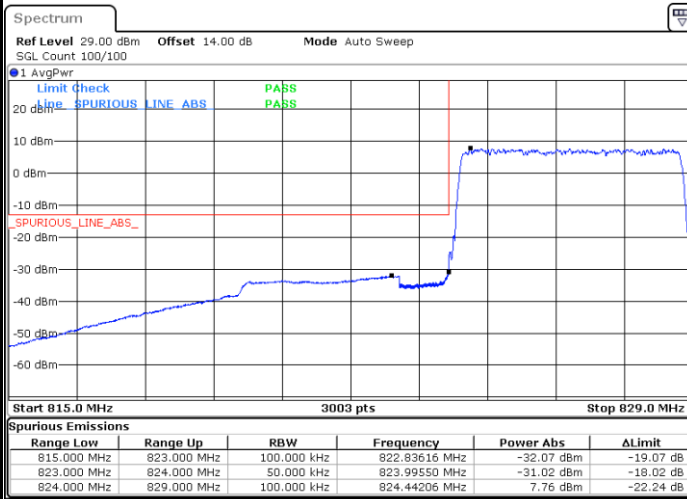
Date: 25.DEC.2021 04:32:57

Highest Band Edge / 1 RB



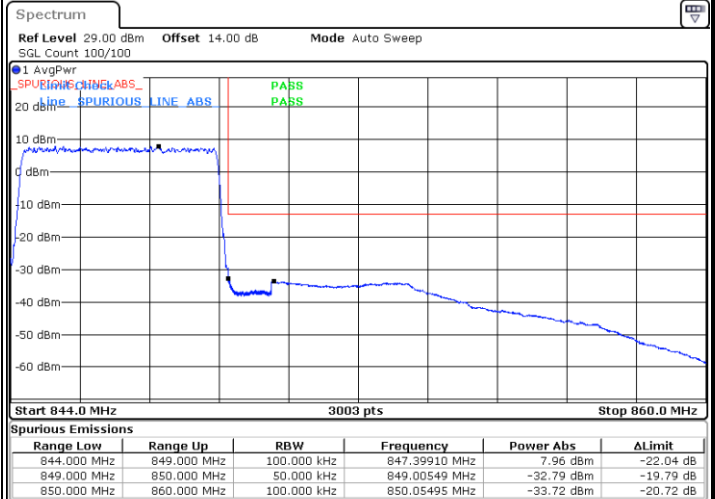
Date: 25.DEC.2021 04:44:38

Lowest Band Edge / Full RB



Date: 25.DEC.2021 04:36:15

Highest Band Edge / Full RB

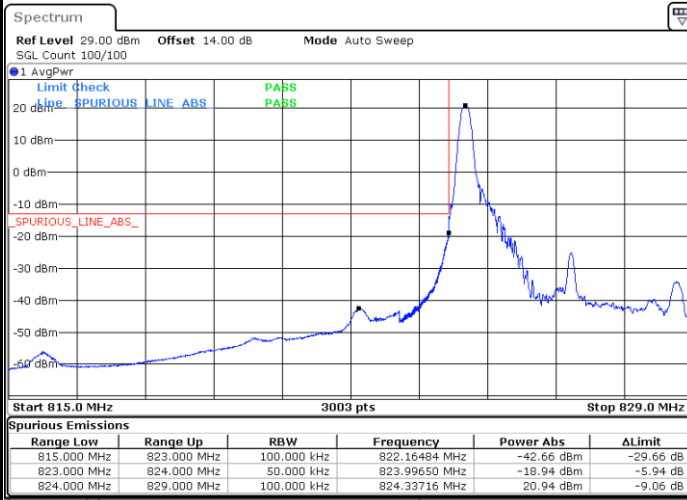


Date: 25.DEC.2021 04:47:56



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



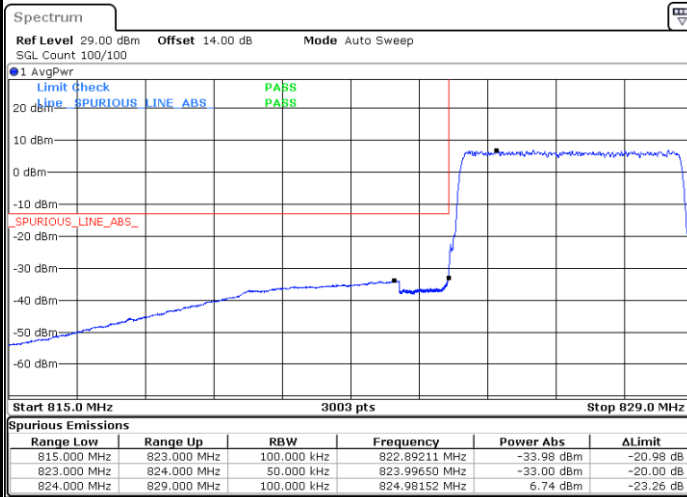
Date: 25.DEC.2021 04:34:36

Highest Band Edge / 1 RB



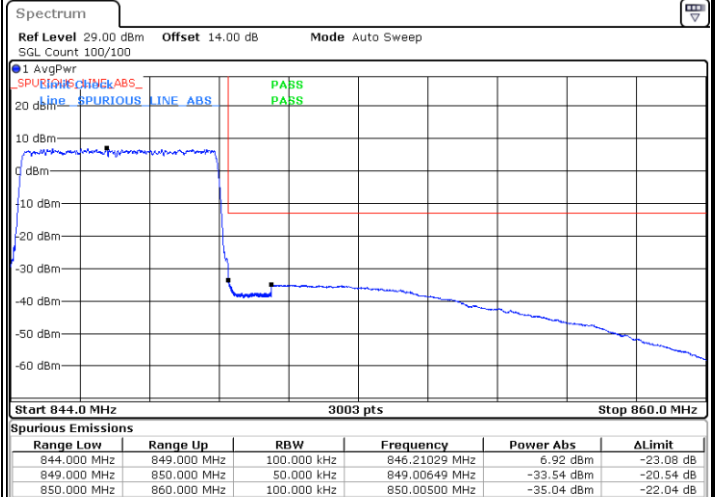
Date: 25.DEC.2021 04:46:17

Lowest Band Edge / Full RB



Date: 25.DEC.2021 04:37:54

Highest Band Edge / Full RB

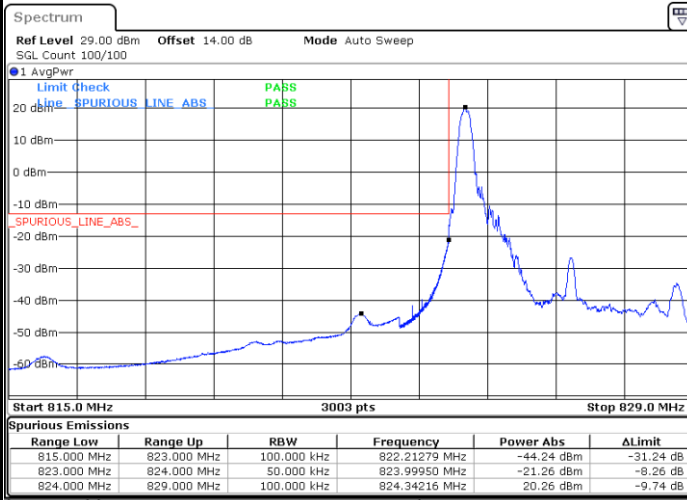


Date: 25.DEC.2021 04:49:35



LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



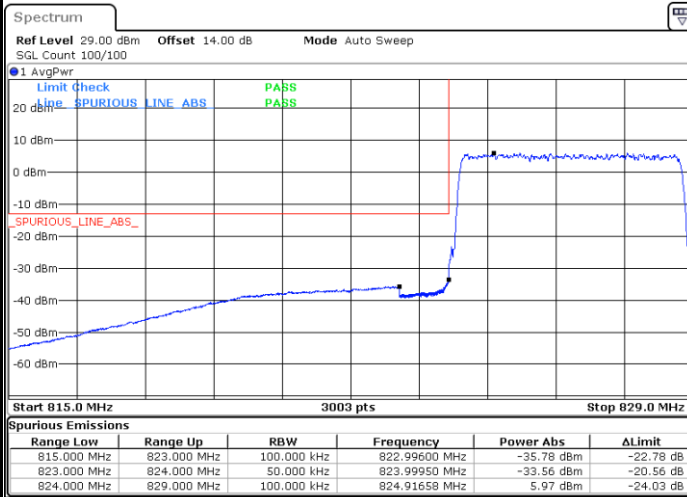
Date: 25.DEC.2021 04:53:24

Highest Band Edge / 1 RB



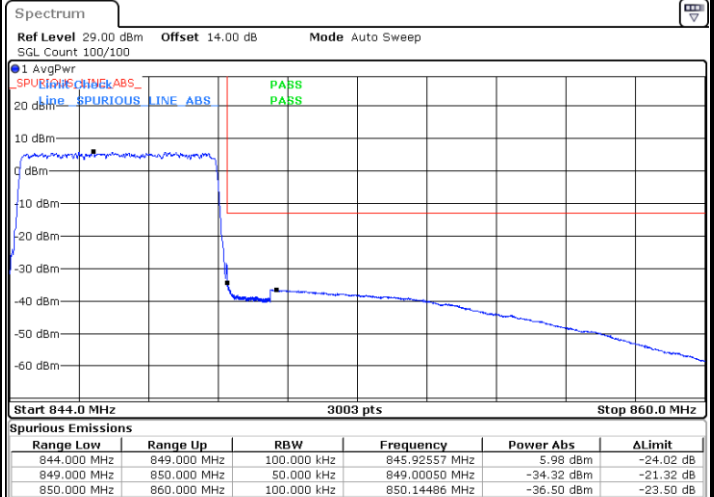
Date: 25.DEC.2021 04:59:14

Lowest Band Edge / Full RB



Date: 25.DEC.2021 04:55:03

Highest Band Edge / Full RB



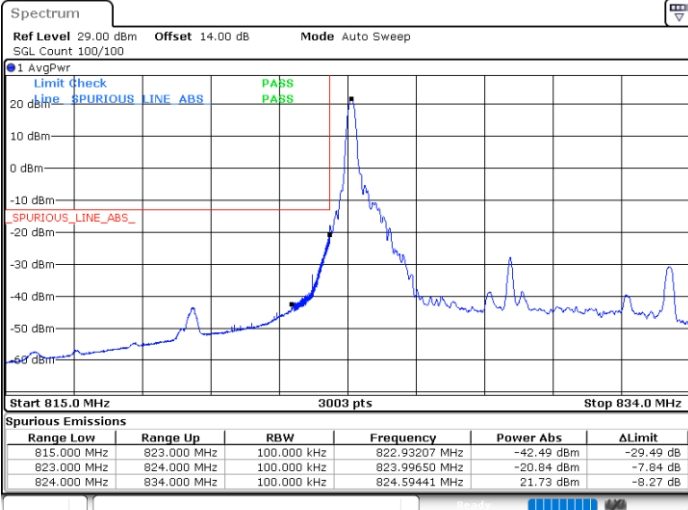
Date: 25.DEC.2021 05:00:53



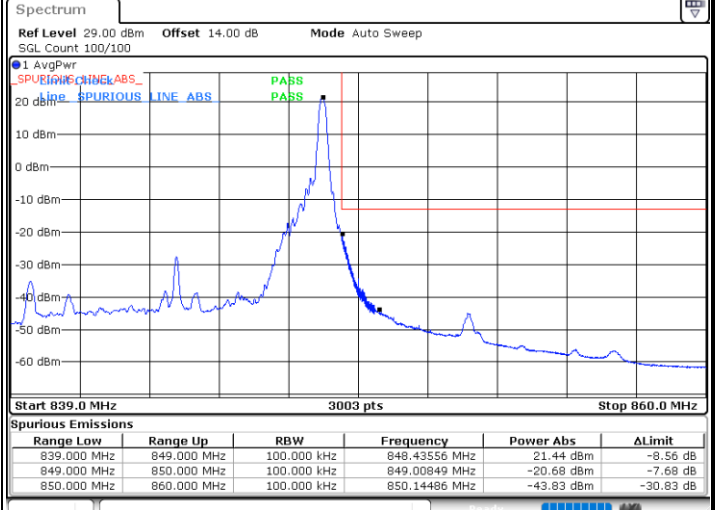
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



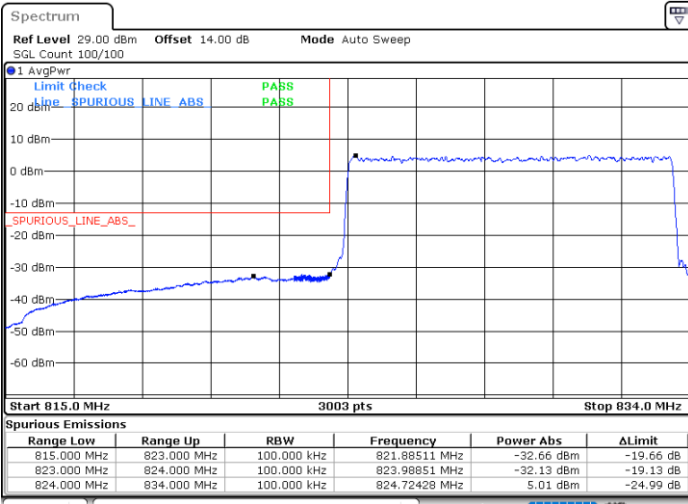
Date: 25.DEC.2021 05:03:16



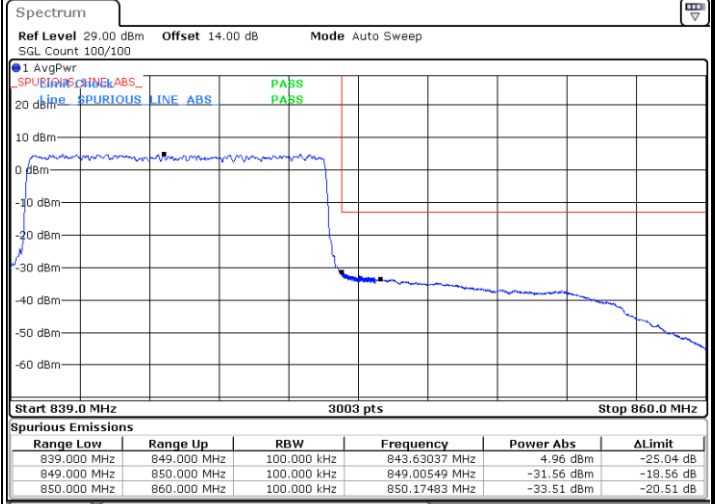
Date: 25.DEC.2021 05:14:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.DEC.2021 05:06:34

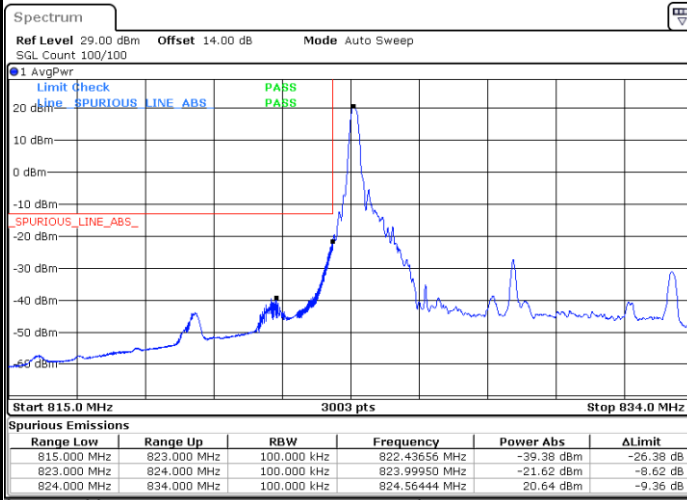


Date: 25.DEC.2021 05:18:14



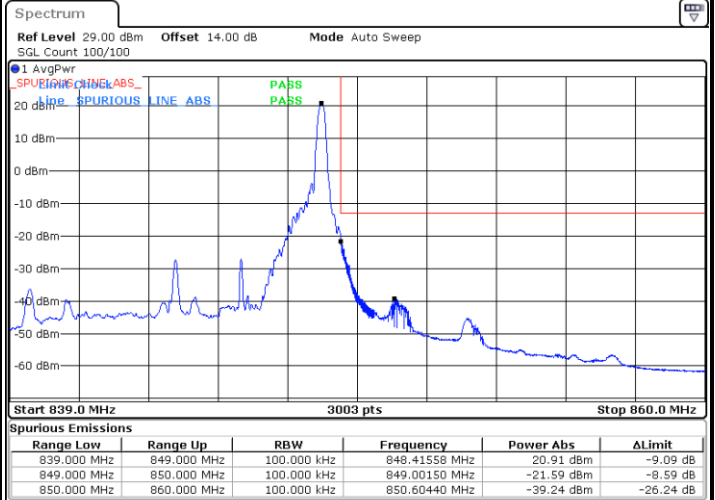
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



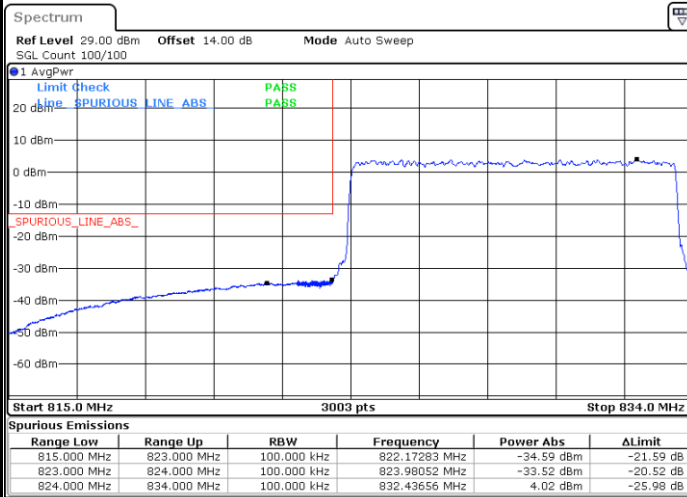
Date: 25.DEC.2021 05:04:55

Highest Band Edge / 1 RB



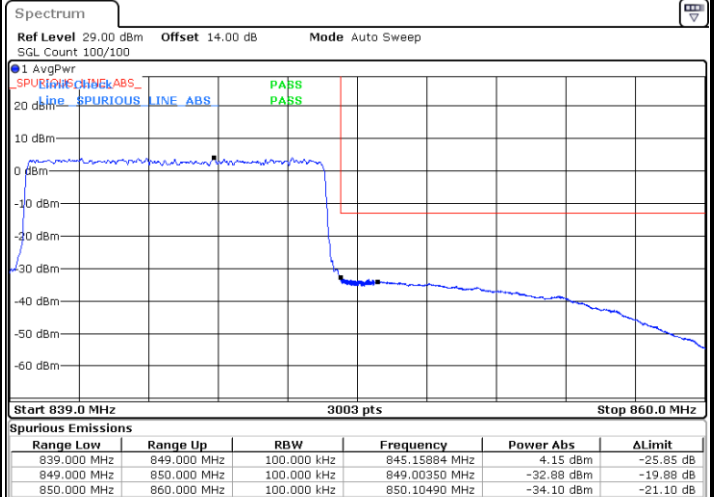
Date: 25.DEC.2021 05:16:35

Lowest Band Edge / Full RB



Date: 25.DEC.2021 05:08:13

Highest Band Edge / Full RB

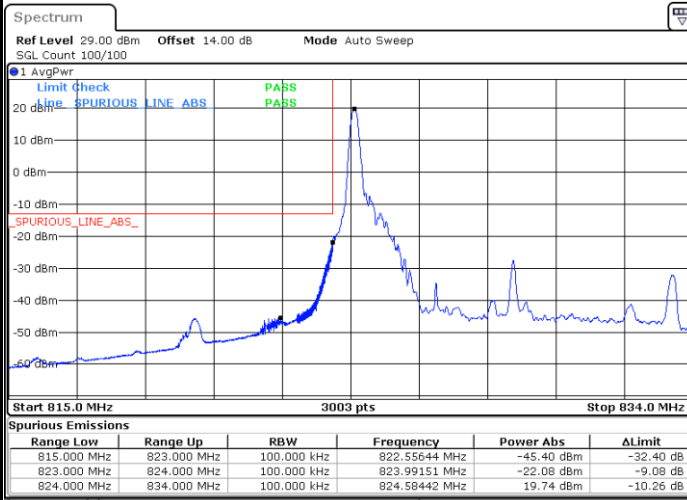


Date: 25.DEC.2021 05:19:53



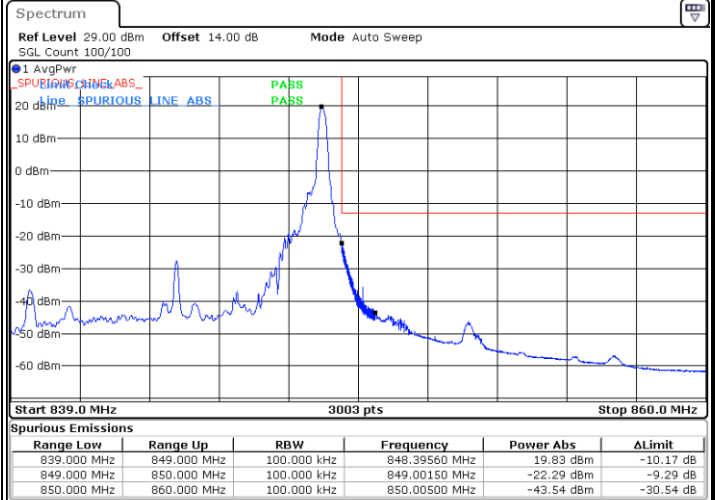
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



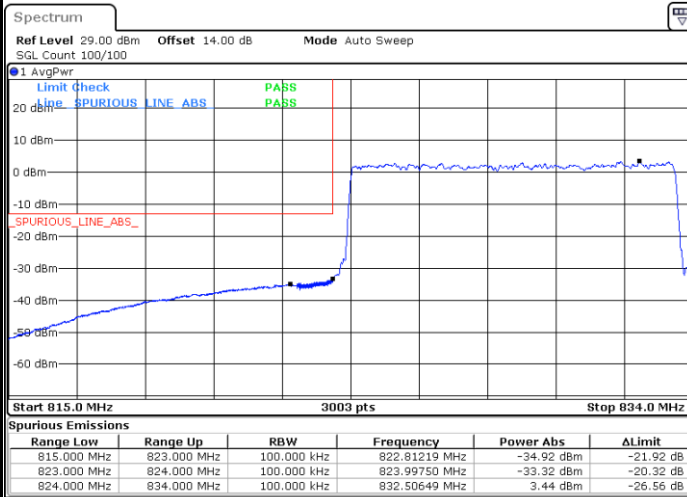
Date: 25.DEC.2021 05:24:37

Highest Band Edge / 1 RB



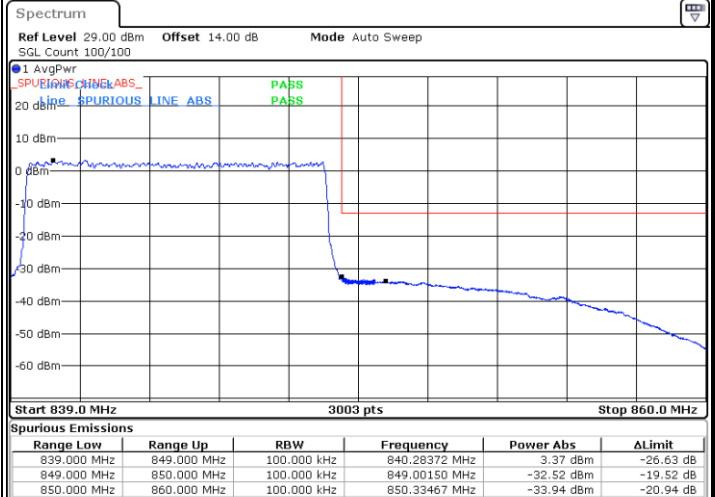
Date: 25.DEC.2021 05:30:27

Lowest Band Edge / Full RB



Date: 25.DEC.2021 05:26:16

Highest Band Edge / Full RB

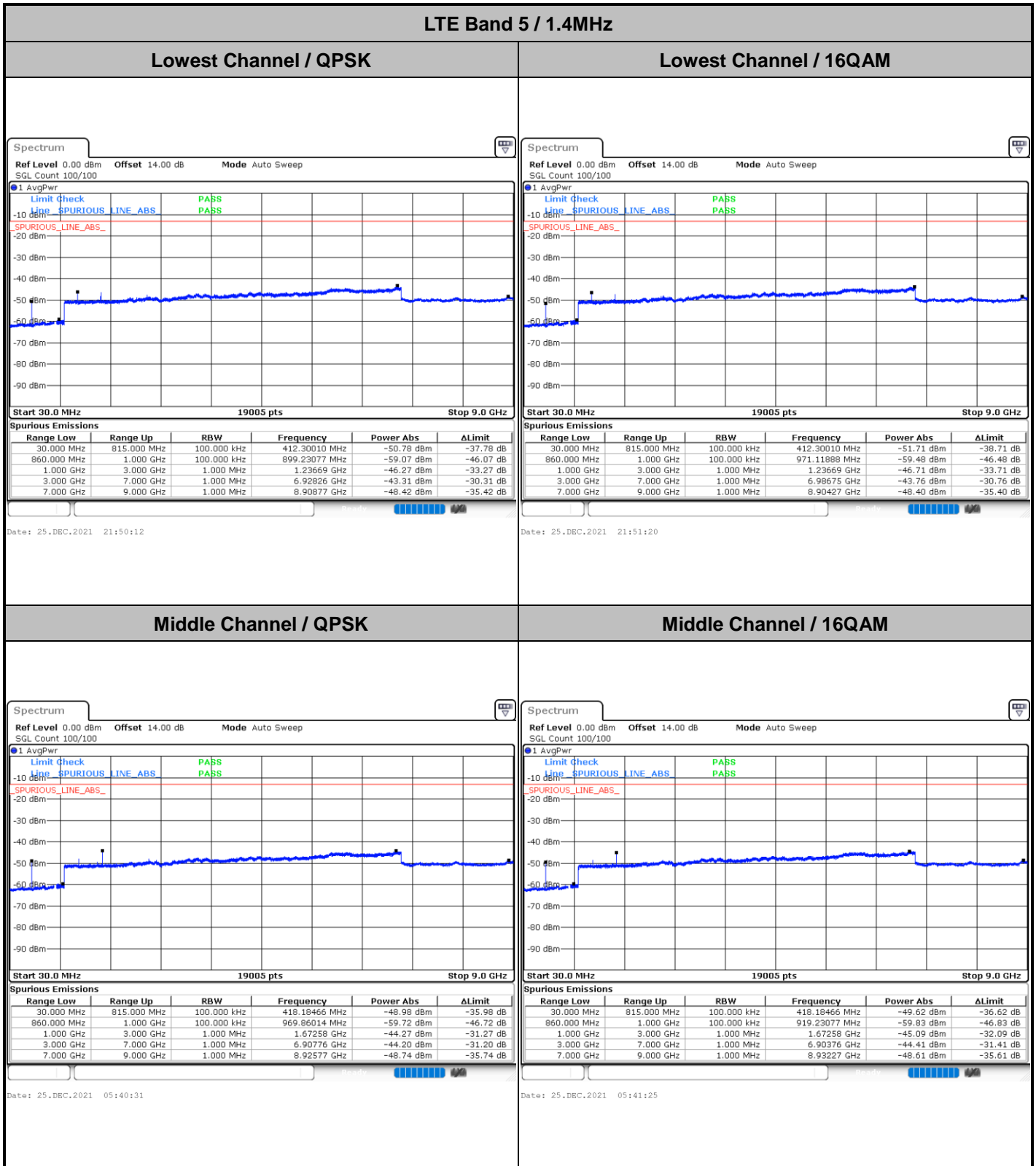


Date: 25.DEC.2021 05:32:06





# Conducted Spurious Emission

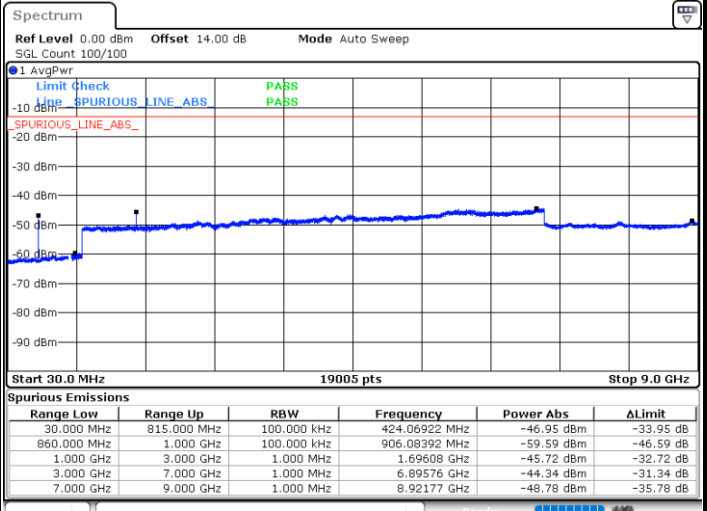
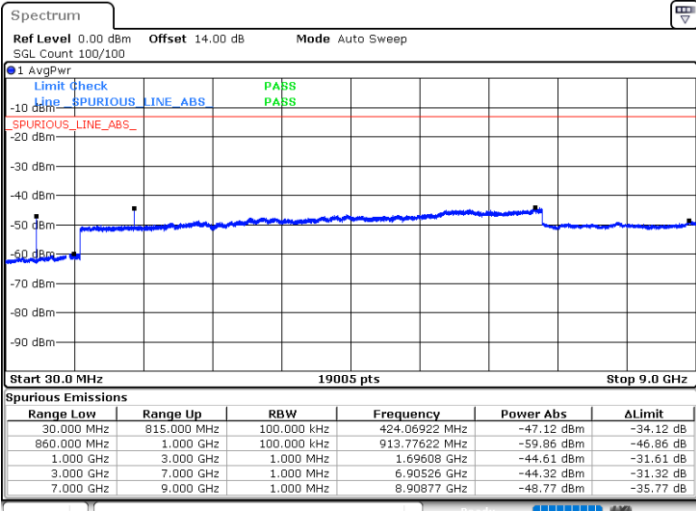




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



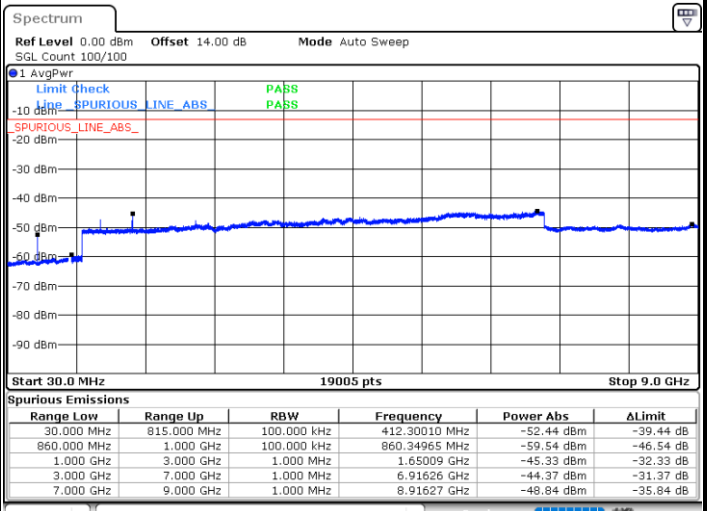
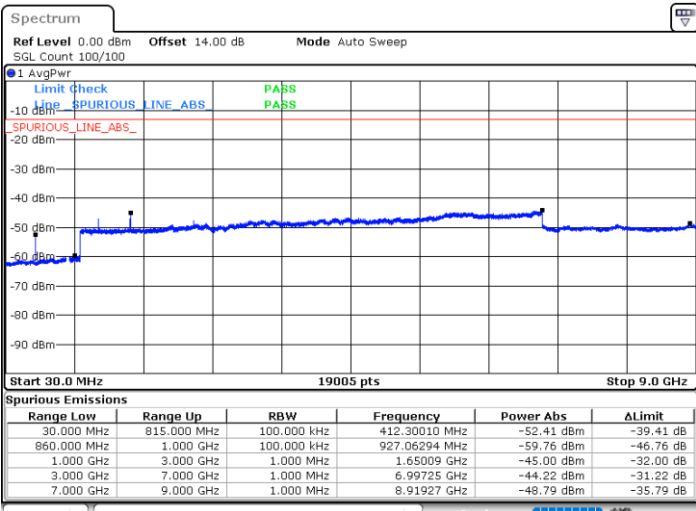
Date: 25.DEC.2021 05:49:39

Date: 25.DEC.2021 05:50:34

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 25.DEC.2021 04:07:36

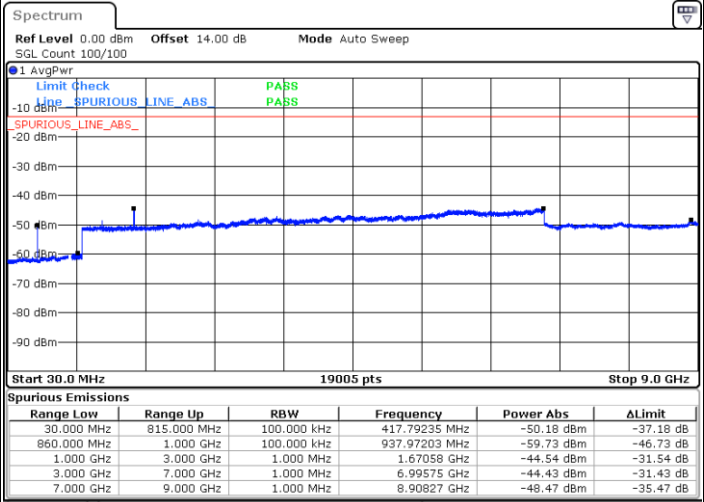
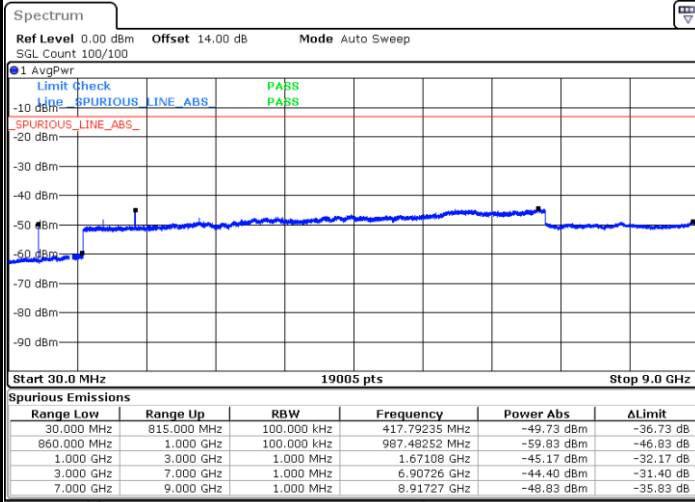
Date: 25.DEC.2021 04:08:30



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

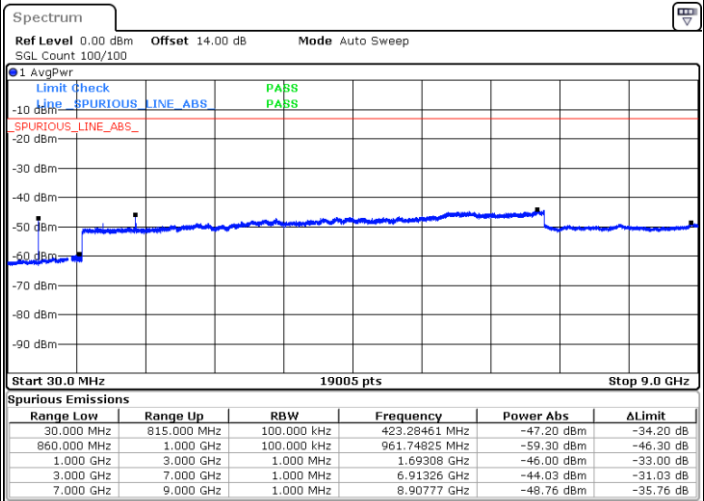
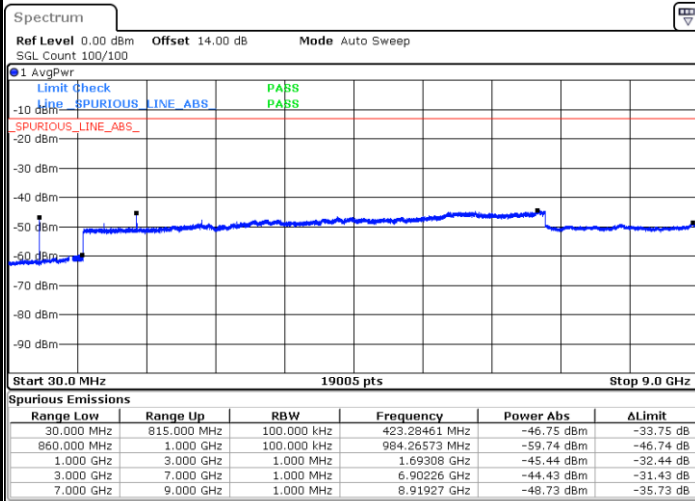


Date: 25.DEC.2021 04:10:08

Date: 25.DEC.2021 04:11:03

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25.DEC.2021 04:19:17

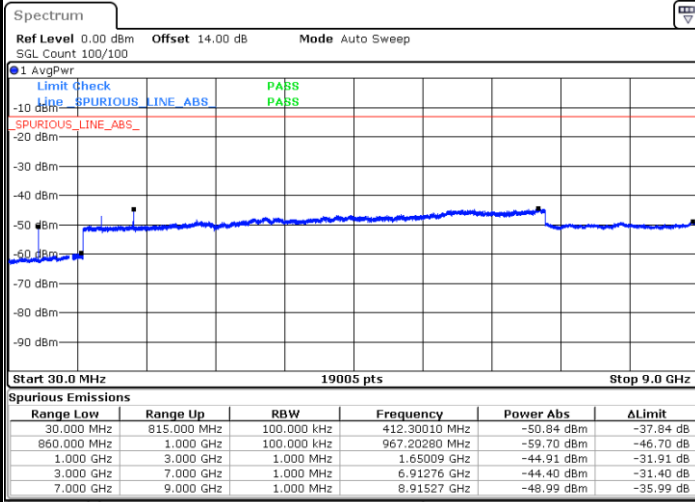
Date: 25.DEC.2021 04:20:11



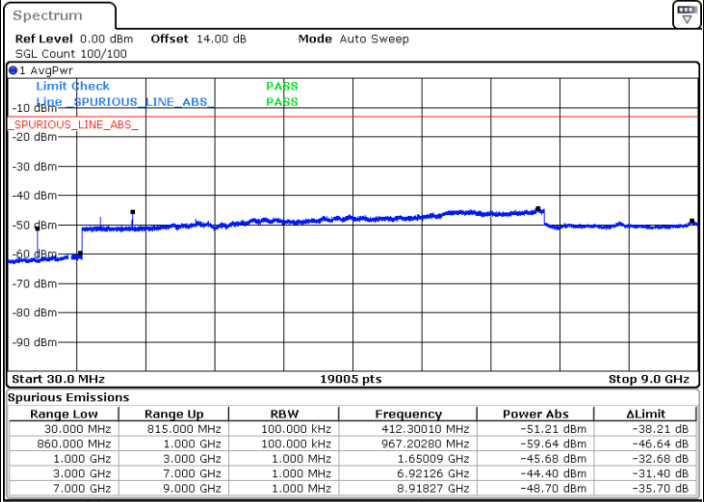
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



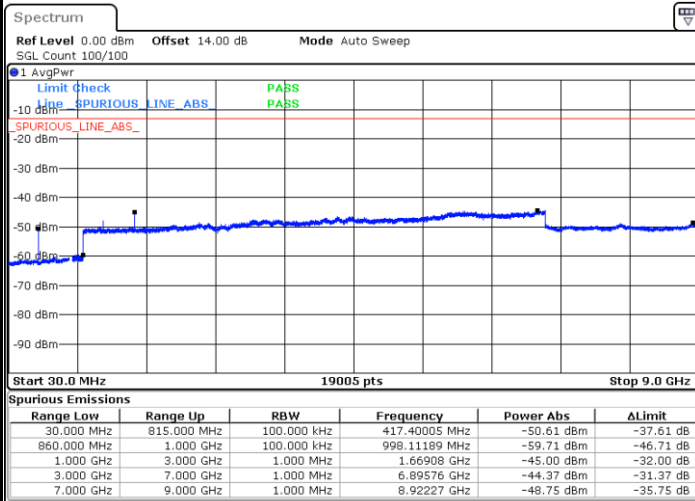
Date: 25.DEC.2021 04:38:49



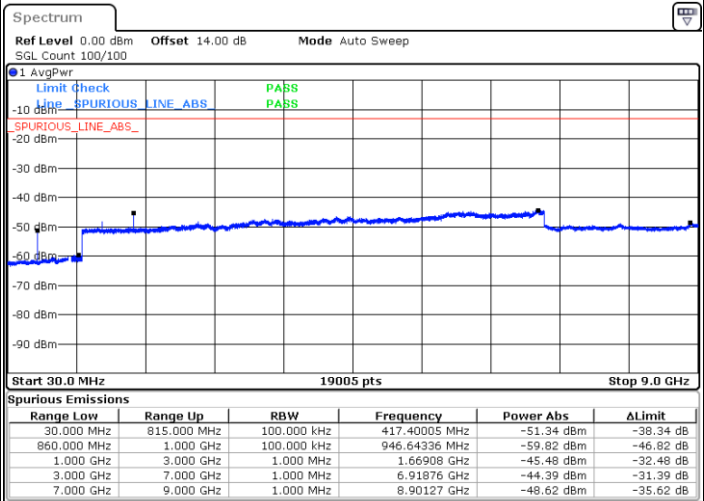
Date: 25.DEC.2021 04:39:43

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25.DEC.2021 04:41:21

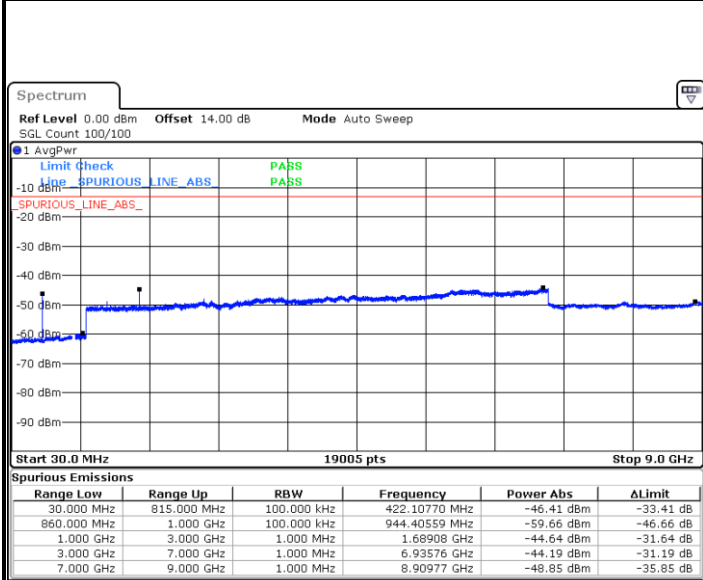


Date: 25.DEC.2021 04:42:15



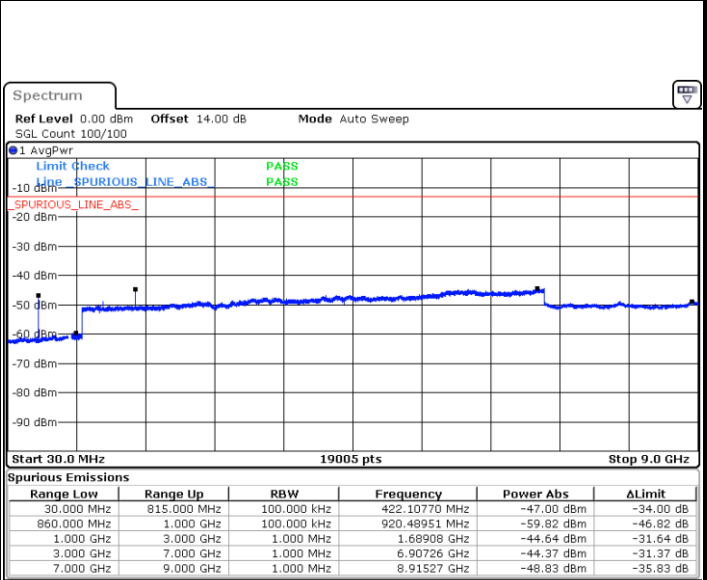
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 25.DEC.2021 04:50:29

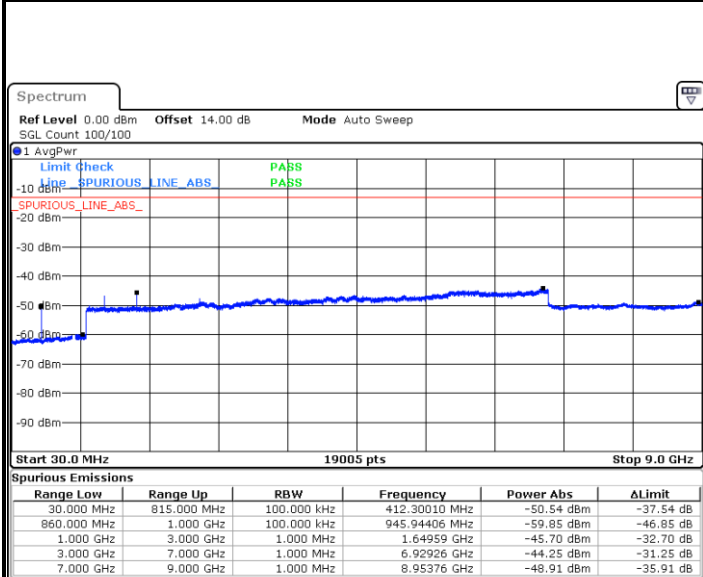
Highest Channel / 16QAM



Date: 25.DEC.2021 04:51:23

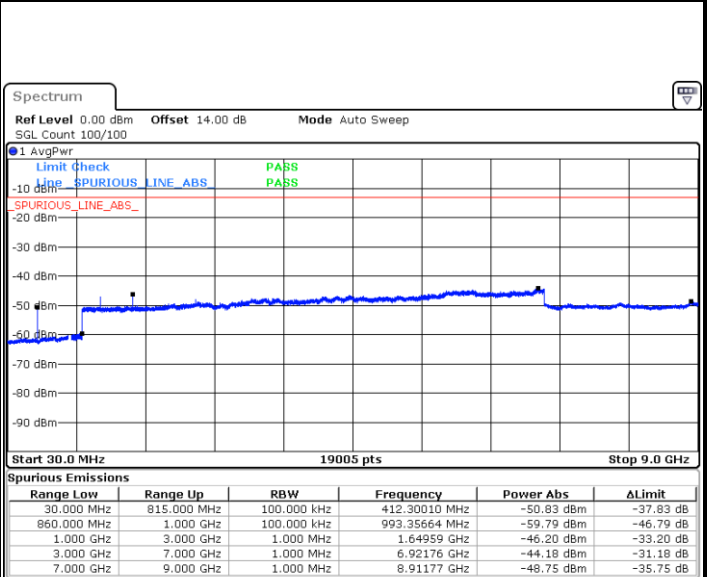
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 25.DEC.2021 05:09:07

Lowest Channel / 16QAM



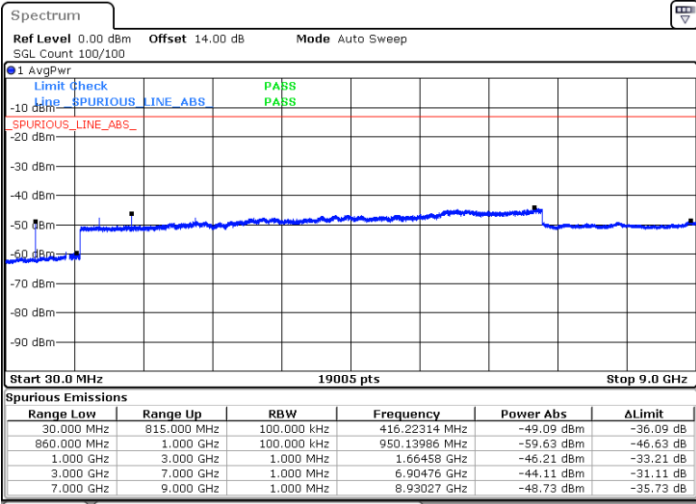
Date: 25.DEC.2021 05:10:02



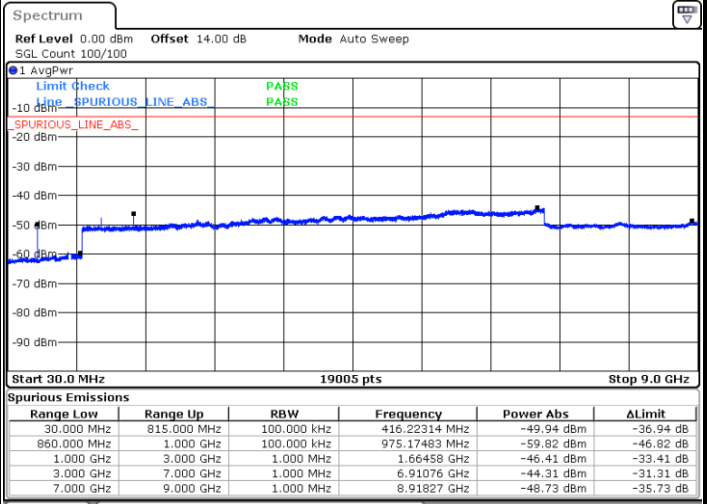
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



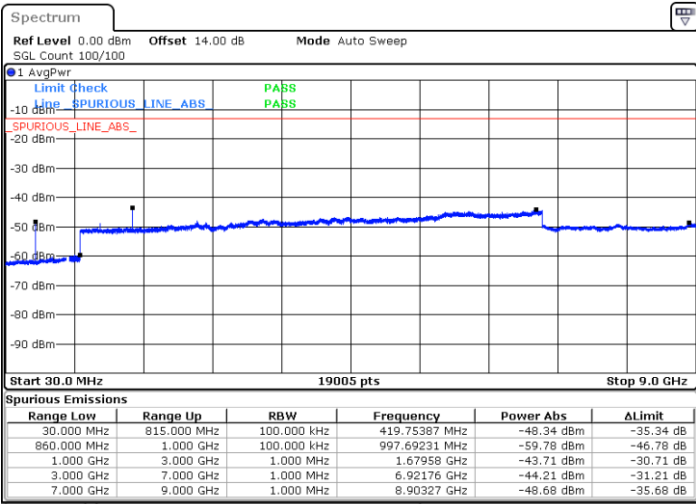
Date: 25.DEC.2021 05:11:39



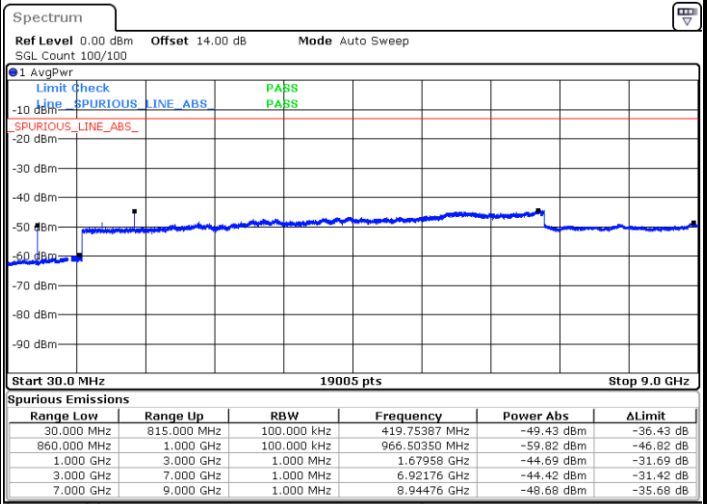
Date: 25.DEC.2021 05:12:34

Highest Channel / QPSK

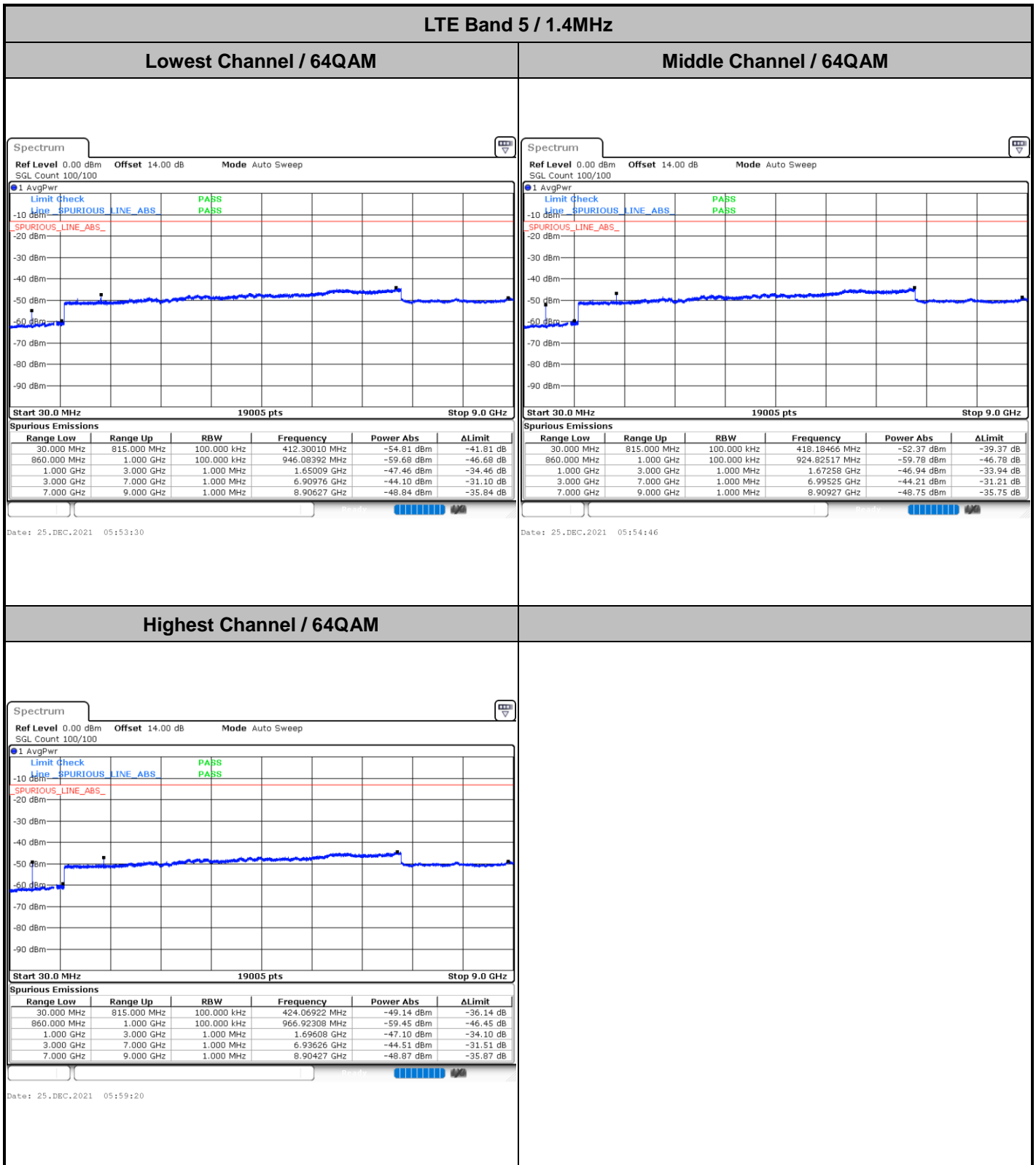
Highest Channel / 16QAM



Date: 25.DEC.2021 05:20:48



Date: 25.DEC.2021 05:21:42

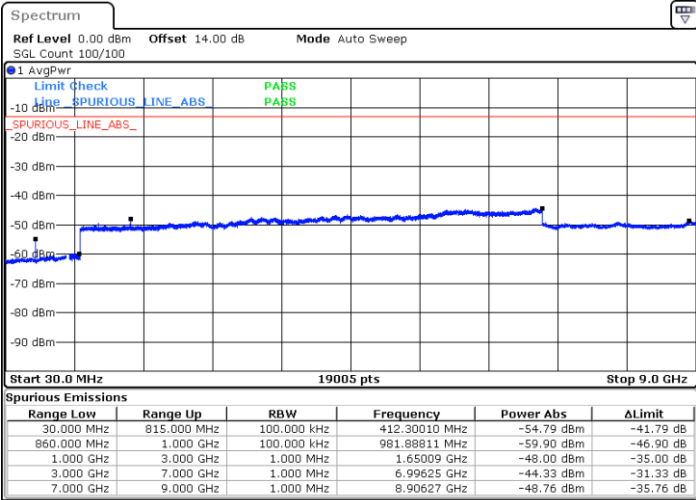




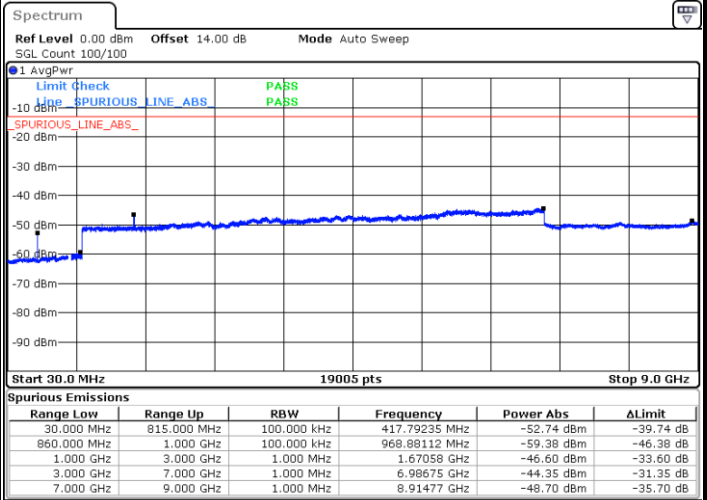
LTE Band 5 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

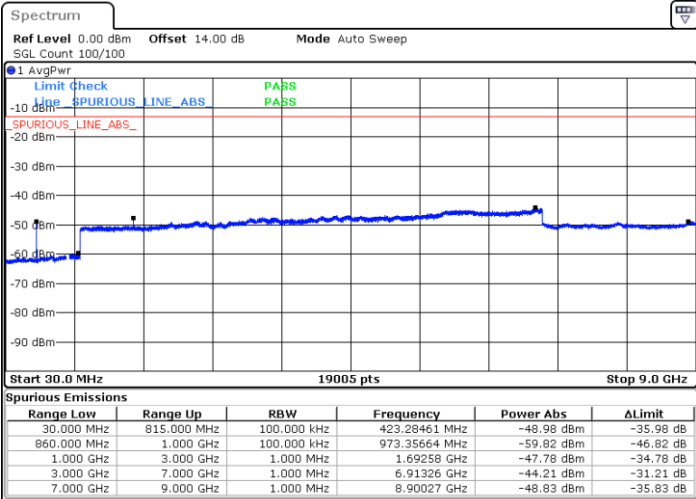


Date: 25. DEC. 2021 04:24:45



Date: 25. DEC. 2021 04:26:01

Highest Channel / 64QAM



Date: 25. DEC. 2021 04:30:35

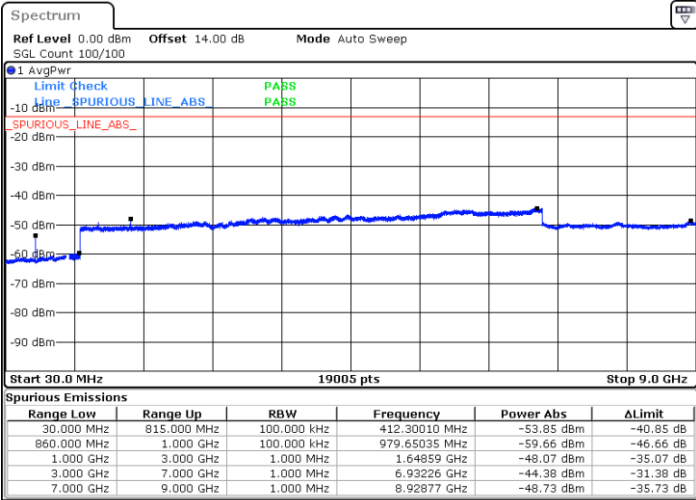




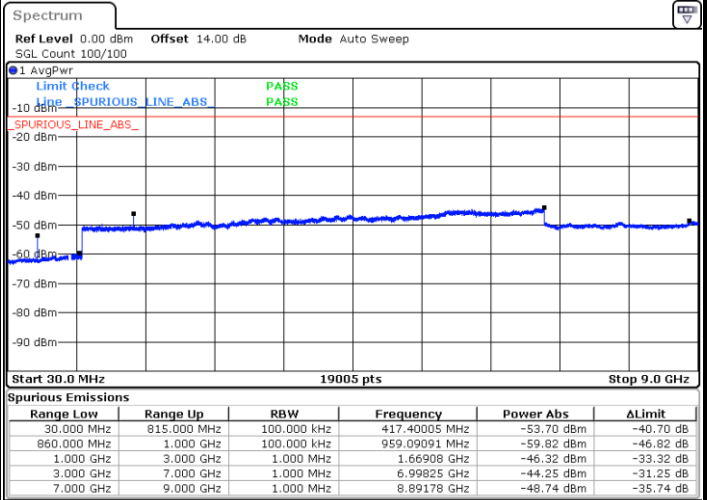
LTE Band 5 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

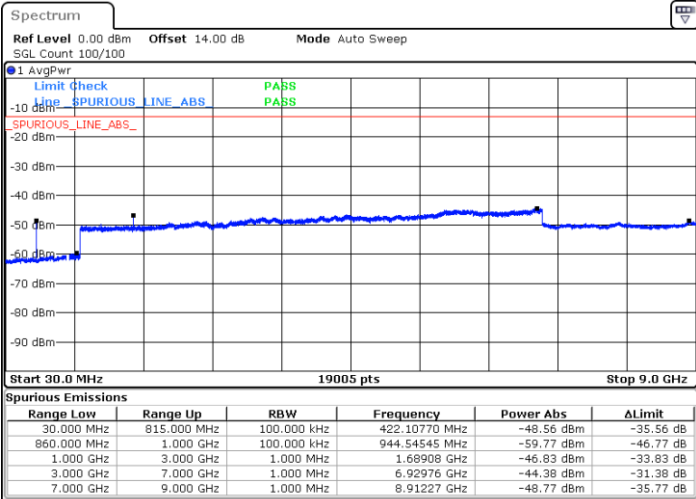


Date: 25.DEC.2021 04:55:57



Date: 25.DEC.2021 04:57:13

Highest Channel / 64QAM



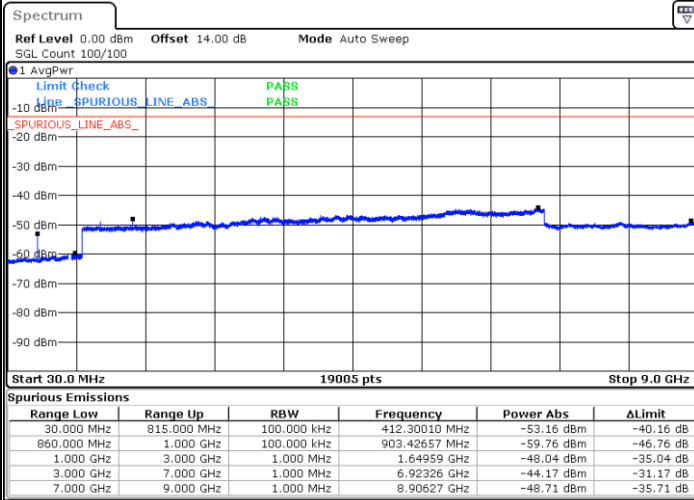
Date: 25.DEC.2021 05:22:36



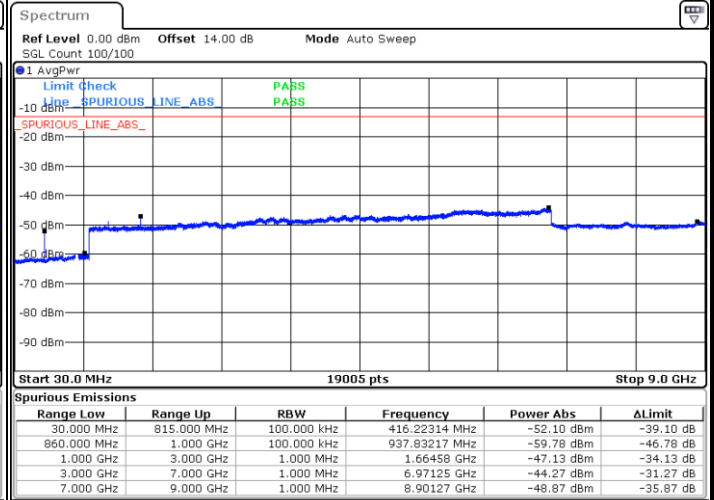
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

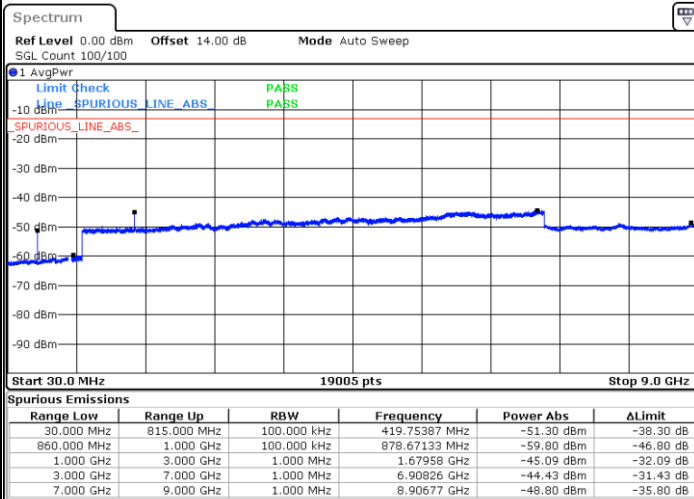


Date: 25.DEC.2021 05:27:10



Date: 25.DEC.2021 05:28:27

Highest Channel / 64QAM



Date: 25.DEC.2021 05:33:01



### Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0047	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0037	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 12

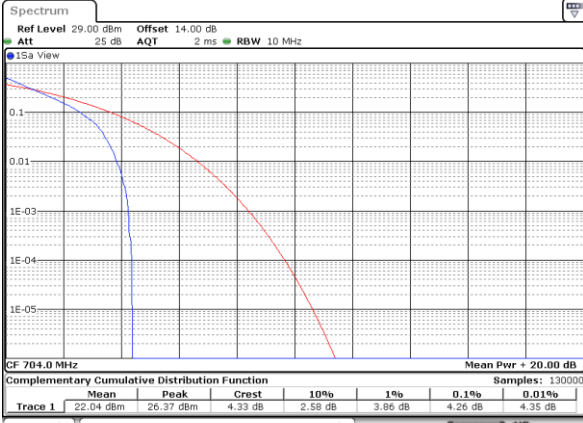
## Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.26	4.78	4.99	5.65	PASS
Middle CH	4.35	4.81	5.62	5.62	
Highest CH	4.09	4.70	5.25	5.74	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.90	6.14	-	-	PASS
Middle CH	5.25	6.03	-	-	
Highest CH	5.07	6.03	-	-	



LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



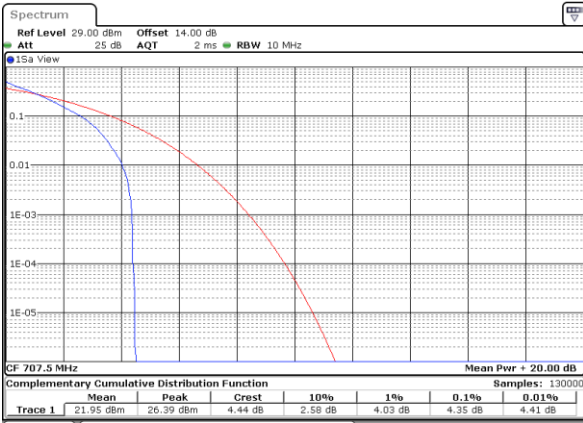
Date: 25. DEC. 2021 23:54:13

Lowest Channel / Full RB



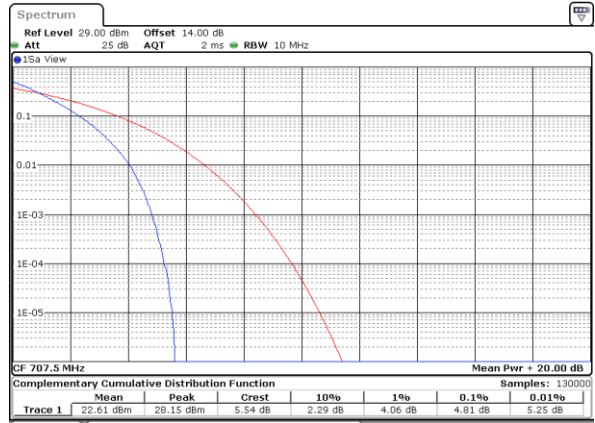
Date: 25. DEC. 2021 23:54:12

Middle Channel / 1RB



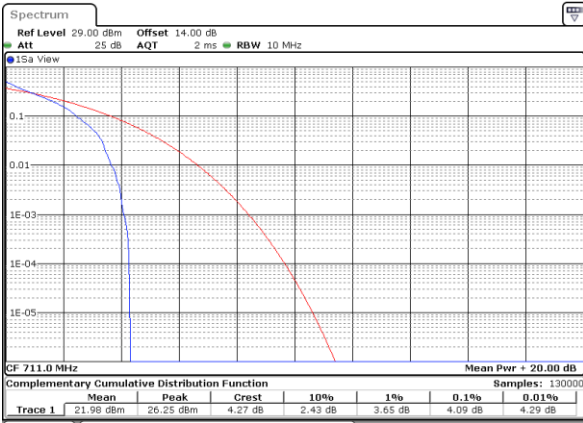
Date: 25. DEC. 2021 23:54:41

Middle Channel / Full RB



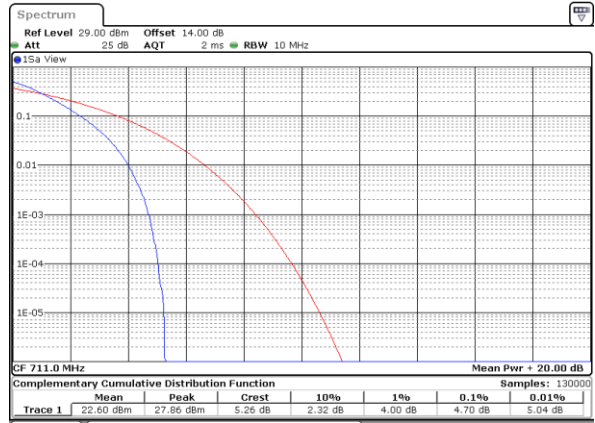
Date: 25. DEC. 2021 23:54:52

Highest Channel / 1RB



Date: 25. DEC. 2021 23:55:22

Highest Channel / Full RB



Date: 25. DEC. 2021 23:55:03