

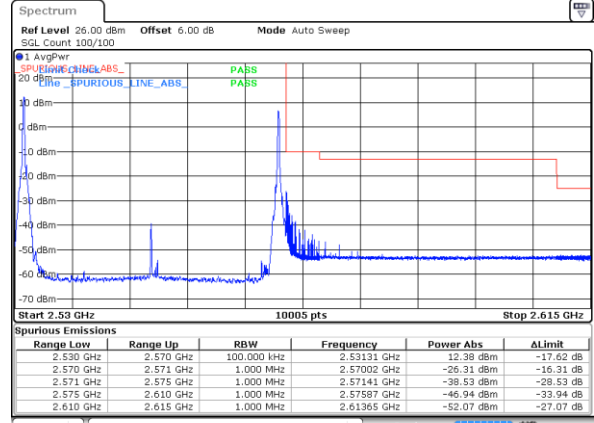
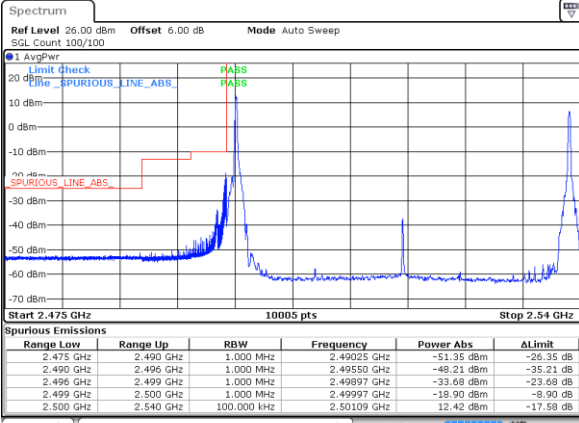


LTE Band 7 / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

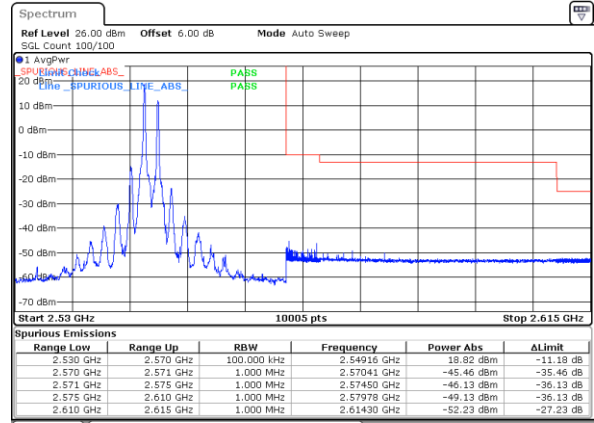
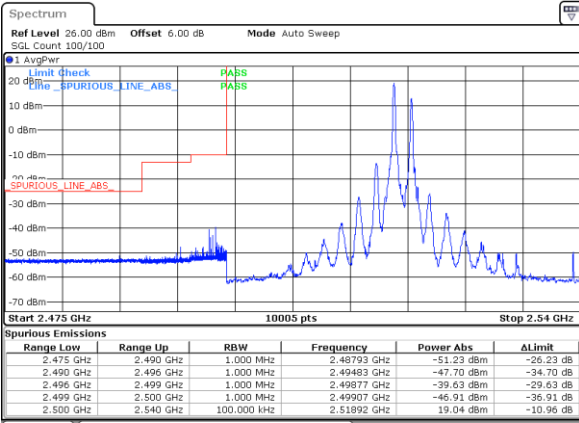


Date: 21 SEP 2022 21:30:40

Date: 21 SEP 2022 21:51:27

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

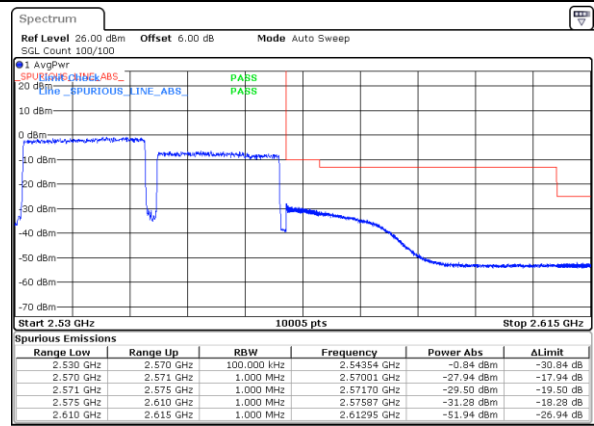
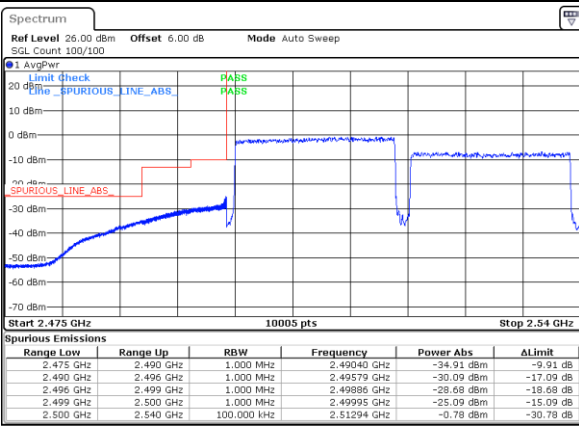


Date: 21 SEP 2022 21:35:04

Date: 21 SEP 2022 21:55:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 SEP 2022 21:42:26

Date: 21 SEP 2022 22:03:12

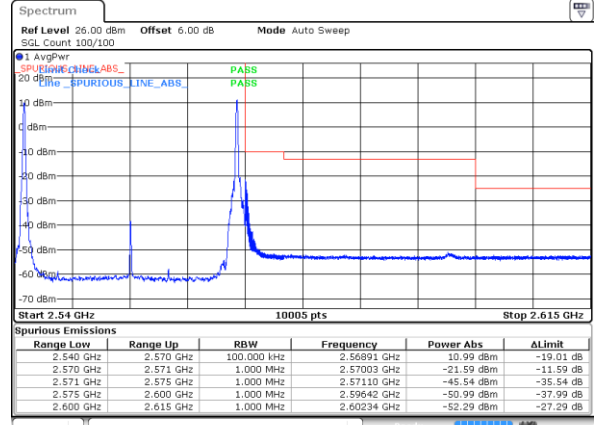
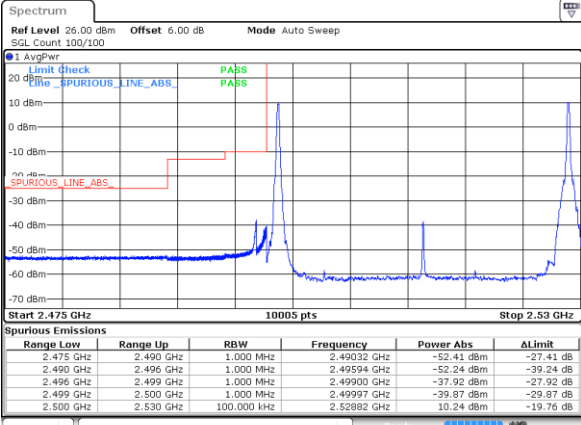


LTE Band 7 / 10MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

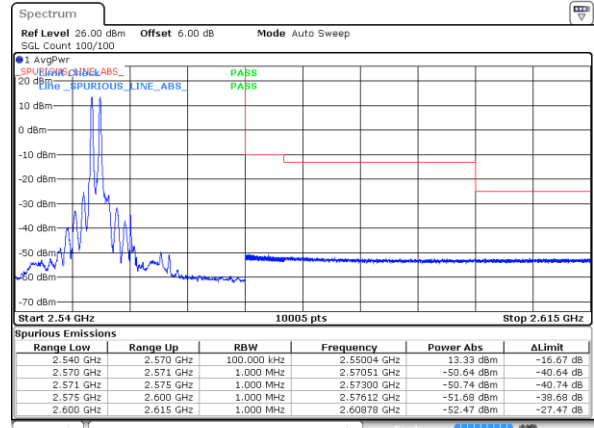
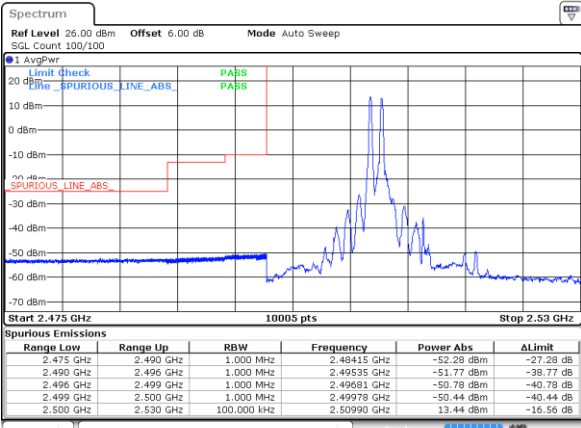


Date: 21 SEP 2022 16:05:28

Date: 21 SEP 2022 16:26:13

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

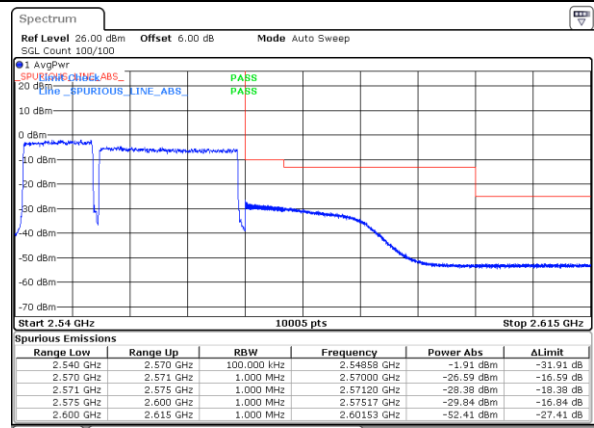
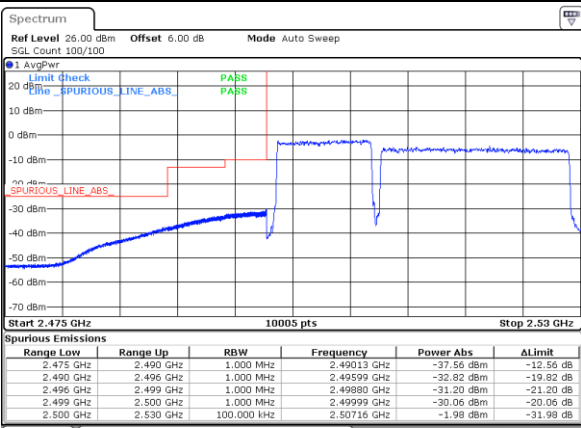


Date: 21 SEP 2022 16:06:55

Date: 21 SEP 2022 16:27:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 SEP 2022 16:17:12

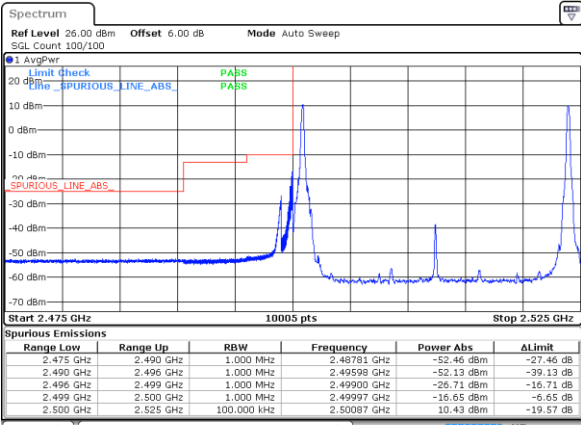
Date: 21 SEP 2022 16:37:56



LTE Band 7 / 15MHz+10MHz

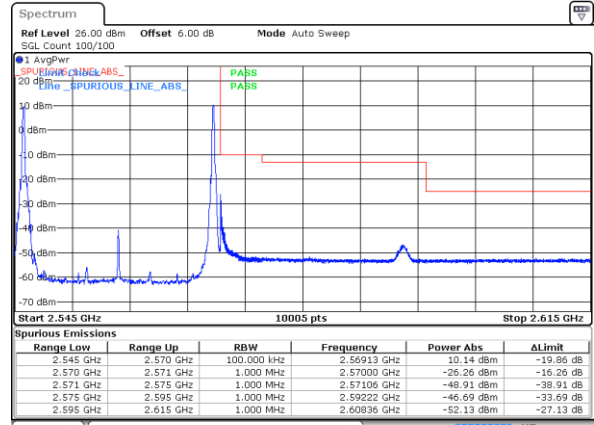
256QAM

Lowest Band Edge / 1RB0 and 1RB49



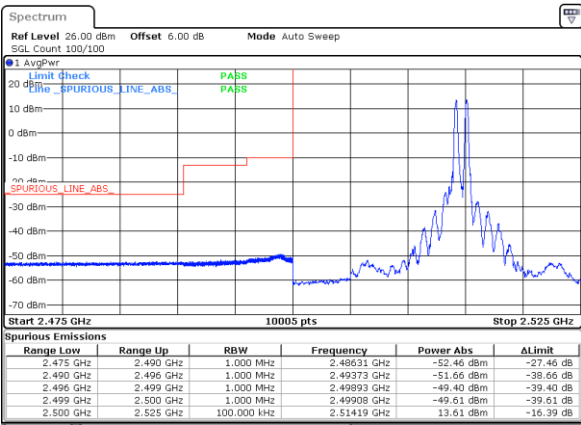
Date: 21 SEP 2022 16:45:25

Highest Band Edge / 1RB0 and 1RB49



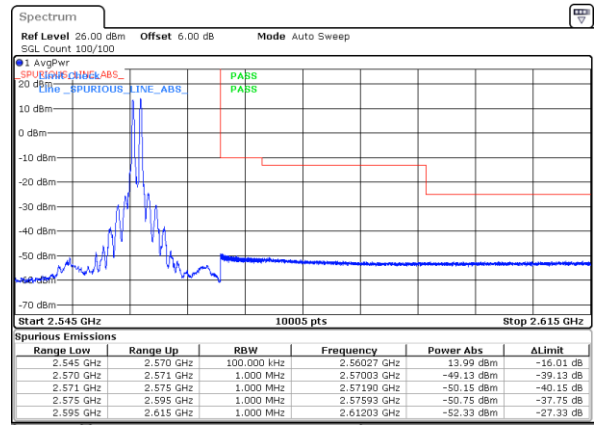
Date: 21 SEP 2022 17:06:11

Lowest Band Edge / 1RB74 and 1RB0



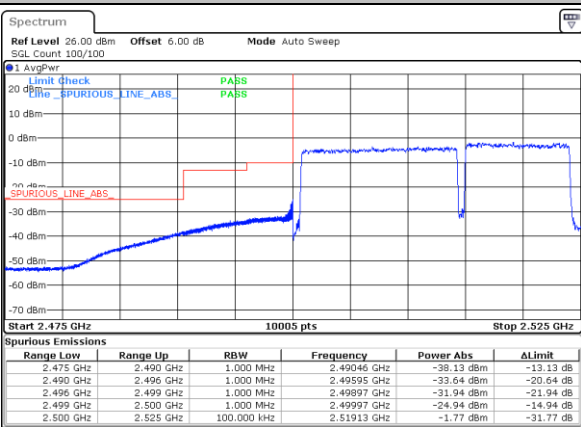
Date: 21 SEP 2022 16:46:53

Highest Band Edge / 1RB74 and 1RB0



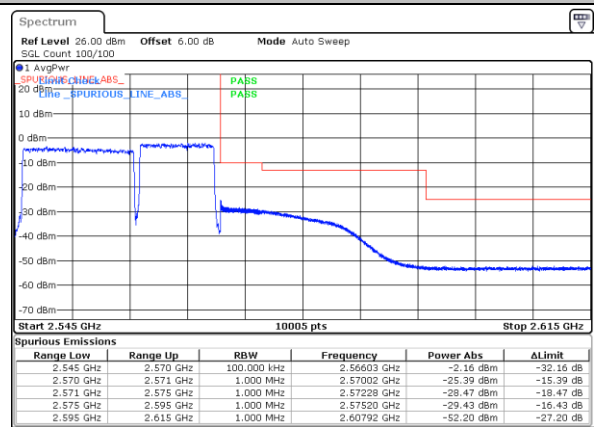
Date: 21 SEP 2022 17:07:39

Lowest Band Edge / Full RB



Date: 21 SEP 2022 16:57:09

Highest Band Edge / Full RB



Date: 21 SEP 2022 17:17:58

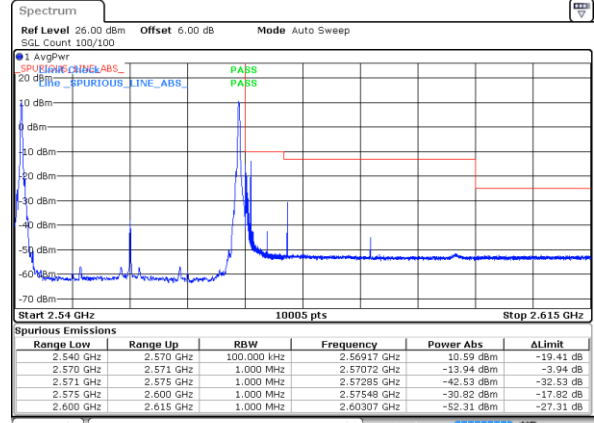
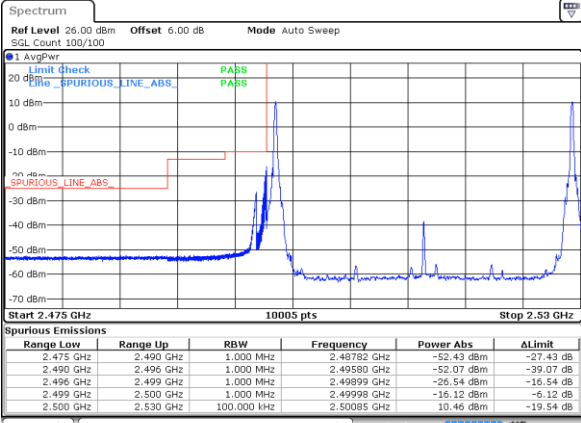


LTE Band 7 / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

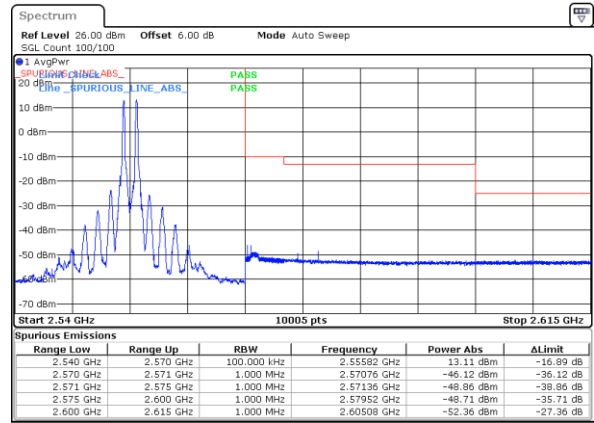
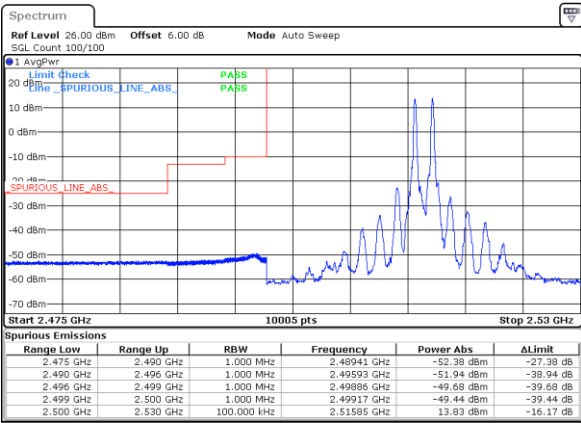


Date: 21 SEP 2022 17:25:27

Date: 21 SEP 2022 19:12:56

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

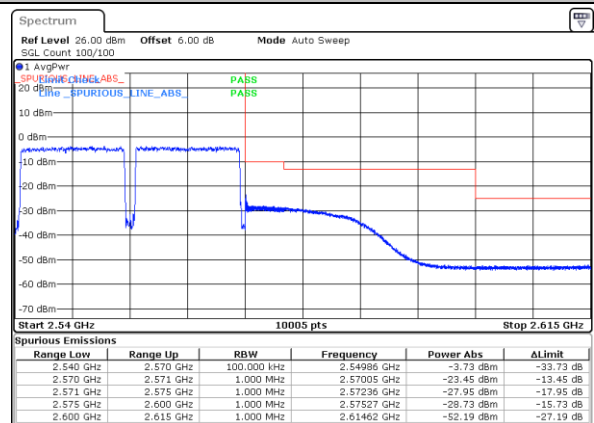
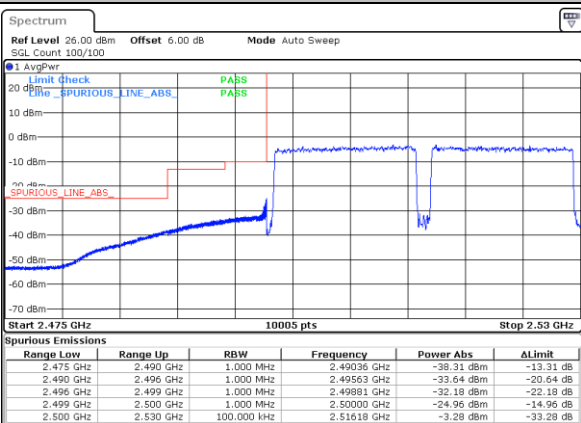


Date: 21 SEP 2022 17:26:55

Date: 21 SEP 2022 19:14:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 SEP 2022 17:37:12

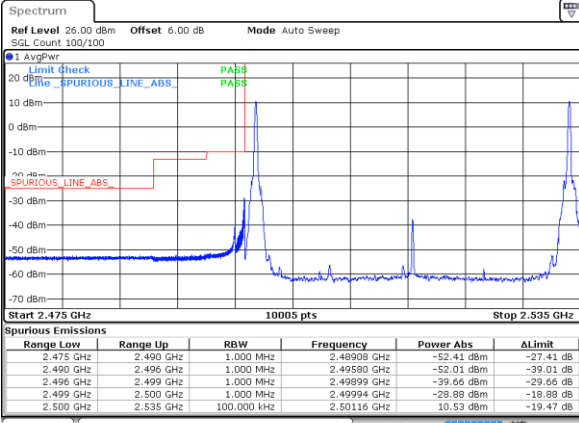
Date: 21 SEP 2022 19:24:43



LTE Band 7 / 15MHz+20MHz

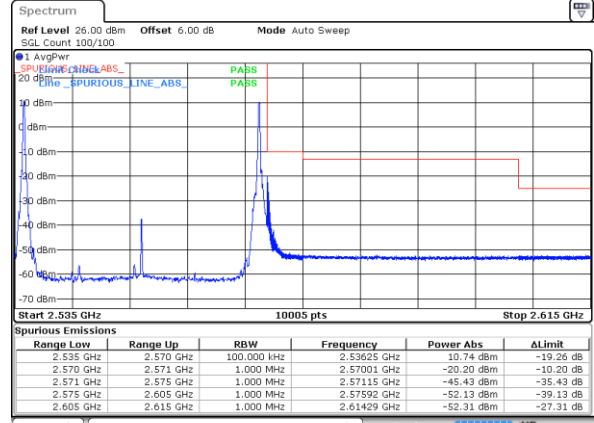
256QAM

Lowest Band Edge / 1RB0 and 1RB9



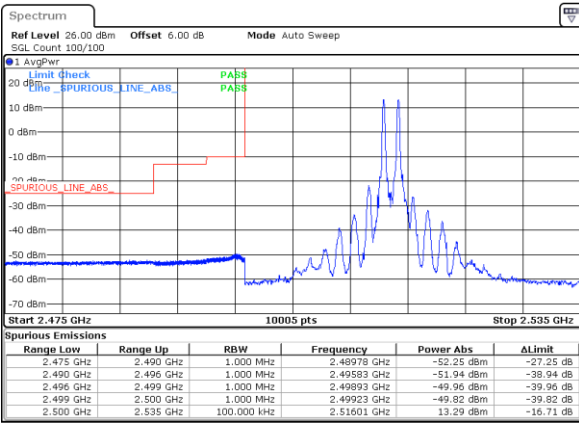
Date: 21 SEP 2022 19:32:12

Highest Band Edge / 1RB0 and 1RB9



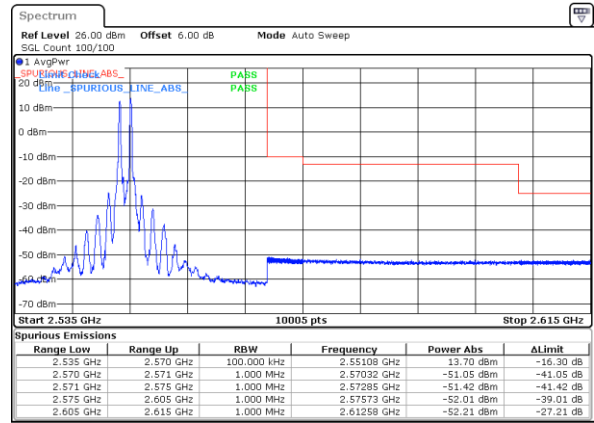
Date: 21 SEP 2022 19:52:56

Lowest Band Edge / 1RB74 and 1RB0



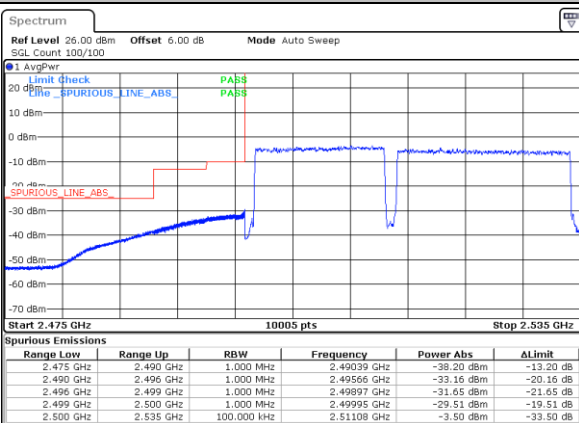
Date: 21 SEP 2022 19:33:40

Highest Band Edge / 1RB74 and 1RB0



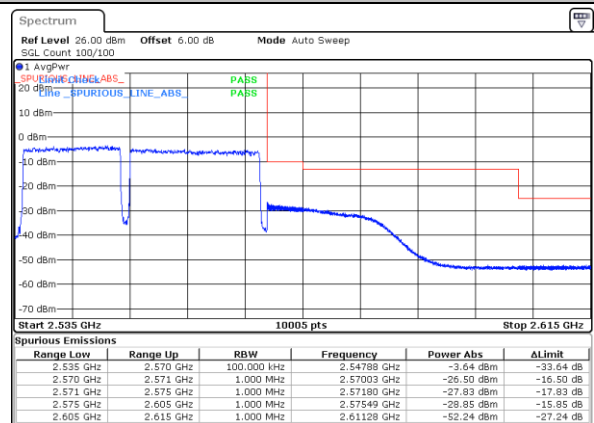
Date: 21 SEP 2022 19:54:24

Lowest Band Edge / Full RB



Date: 21 SEP 2022 19:43:56

Highest Band Edge / Full RB



Date: 21 SEP 2022 20:04:41

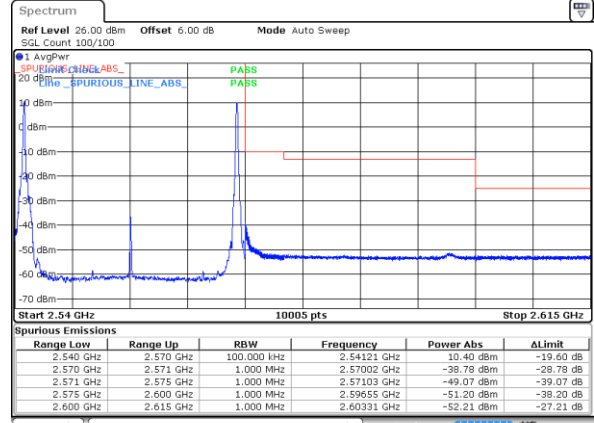
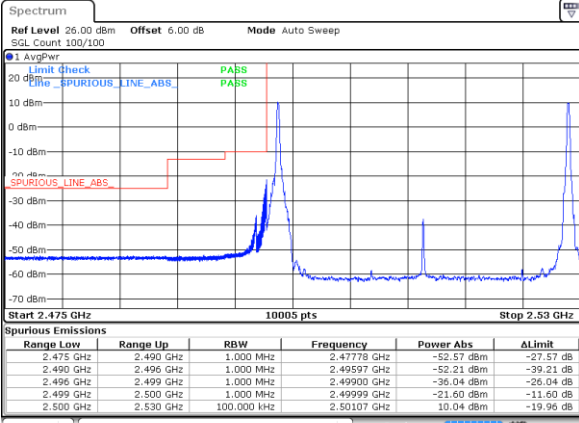


LTE Band 7 / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

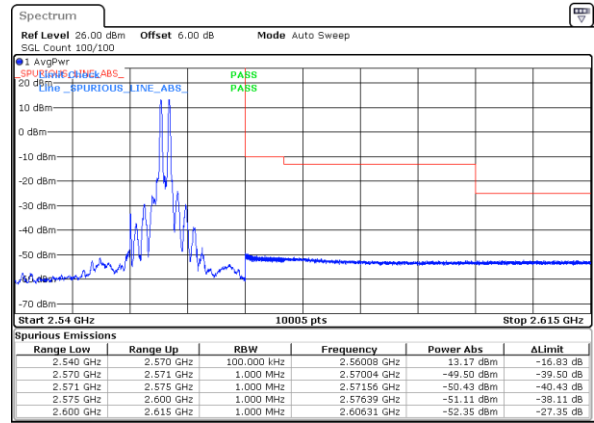
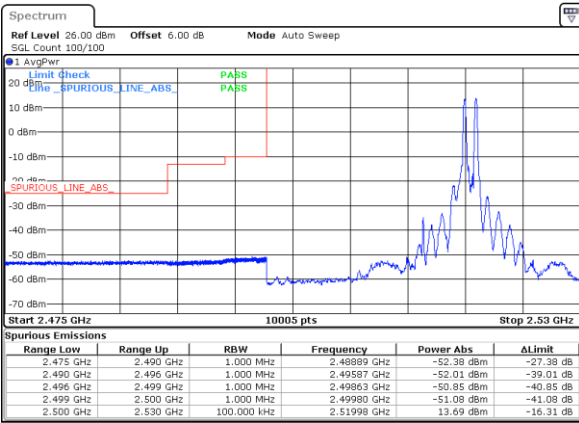


Date: 21 SEP 2022 20:12:09

Date: 21 SEP 2022 20:32:58

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

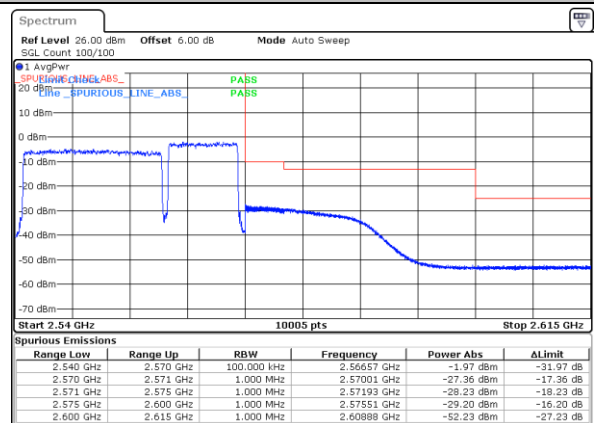
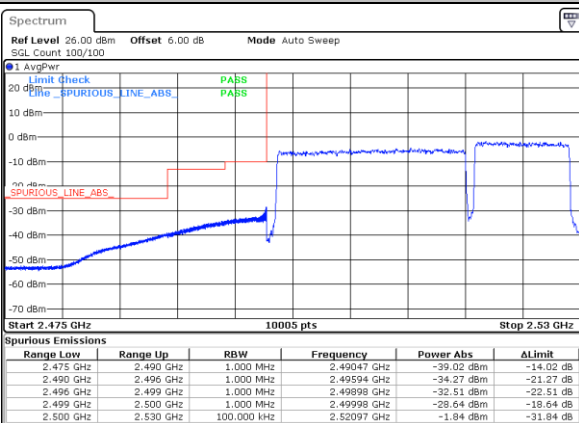


Date: 21 SEP 2022 20:13:37

Date: 21 SEP 2022 20:34:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 SEP 2022 20:23:55

Date: 21 SEP 2022 20:44:41

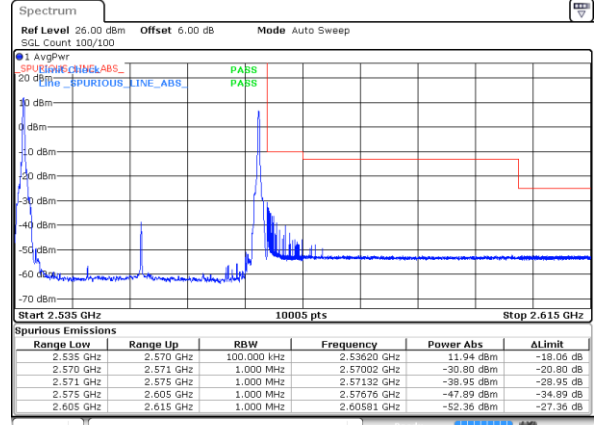
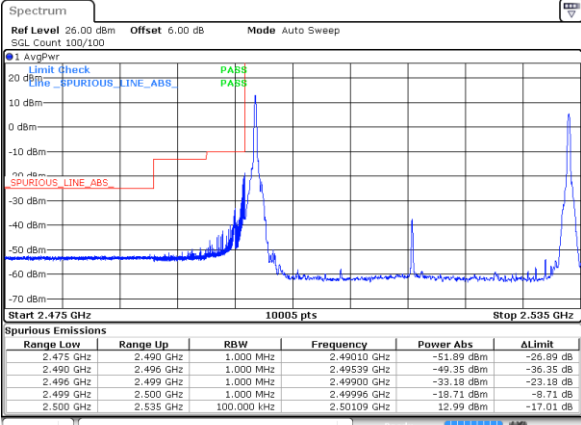


LTE Band 7 / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

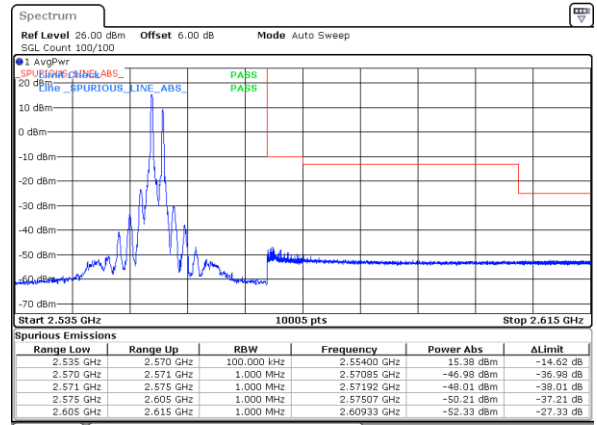
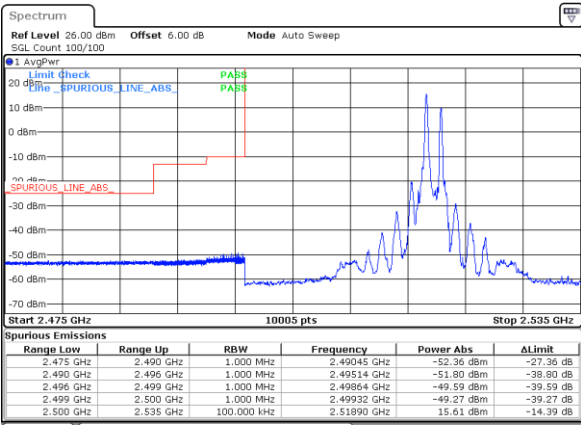


Date: 21 SEP 2022 20:52:09

Date: 21 SEP 2022 21:12:55

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

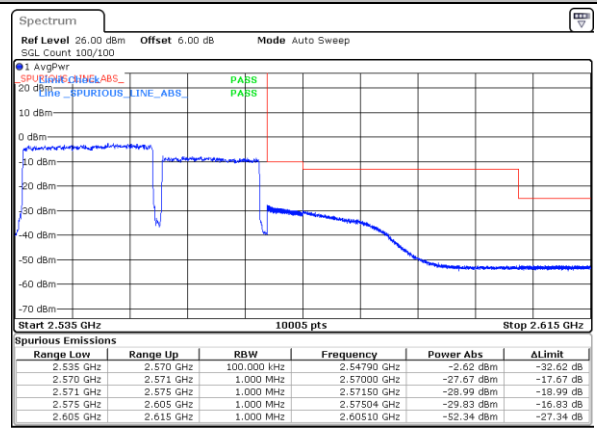
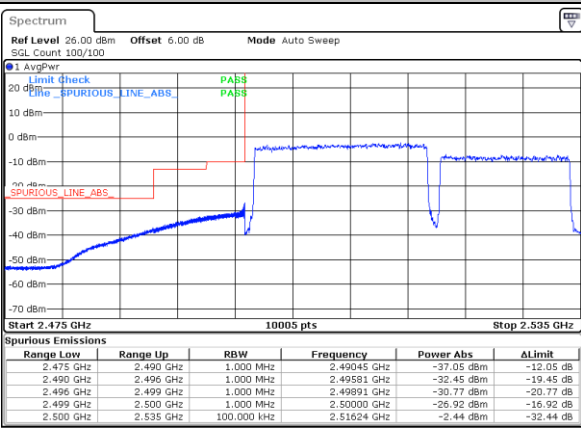


Date: 21 SEP 2022 20:53:38

Date: 21 SEP 2022 21:12:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 SEP 2022 21:03:54

Date: 21 SEP 2022 21:24:40

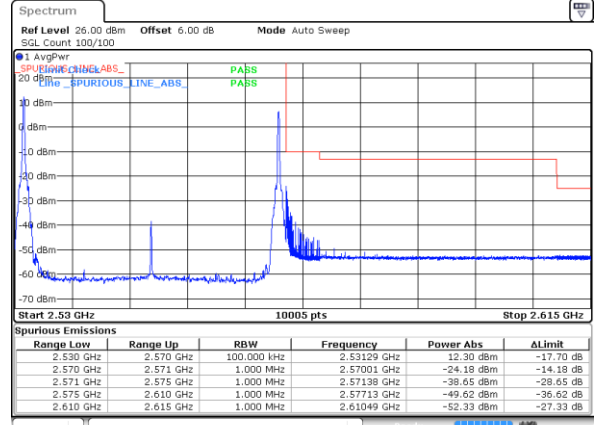
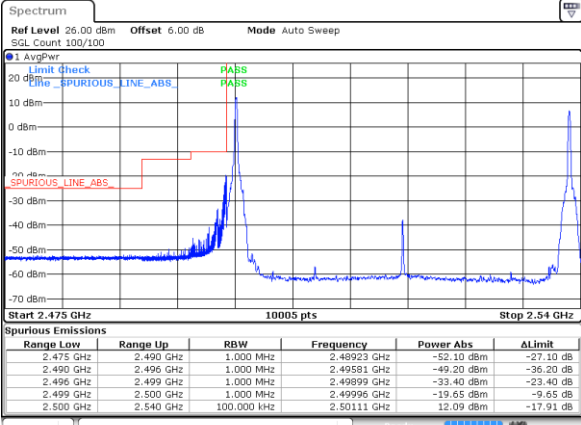


LTE Band 7 / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

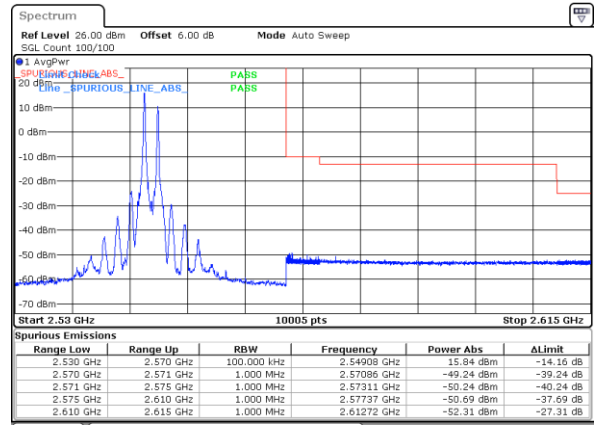
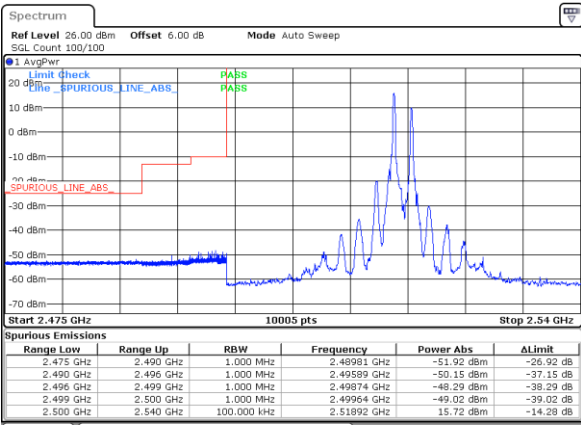


Date: 21 SEP 2022 21:32:08

Date: 21 SEP 2022 21:52:55

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

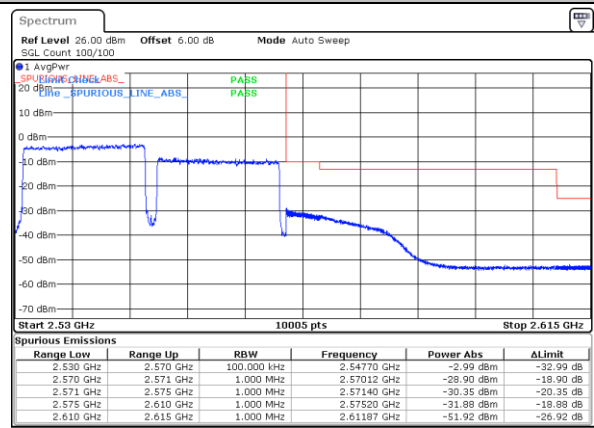
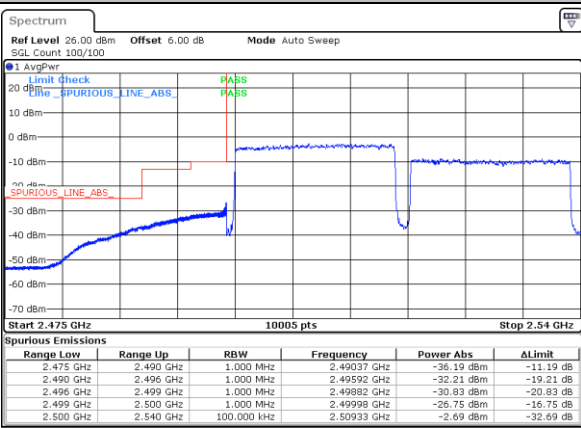


Date: 21 SEP 2022 21:33:35

Date: 21 SEP 2022 21:54:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 SEP 2022 21:43:54

Date: 21 SEP 2022 22:04:39

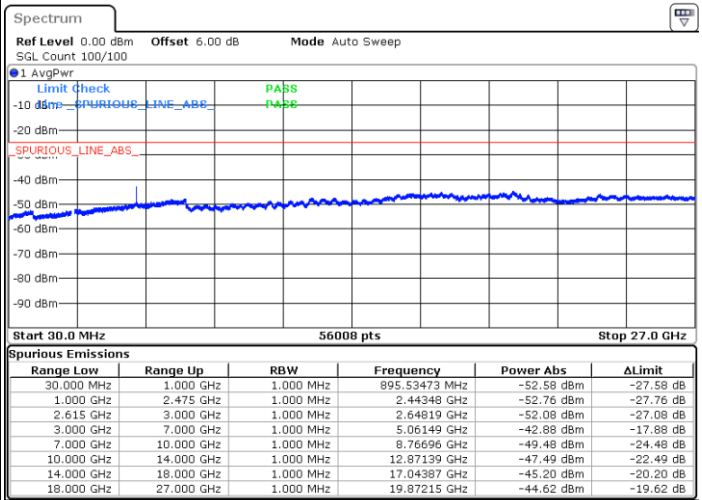
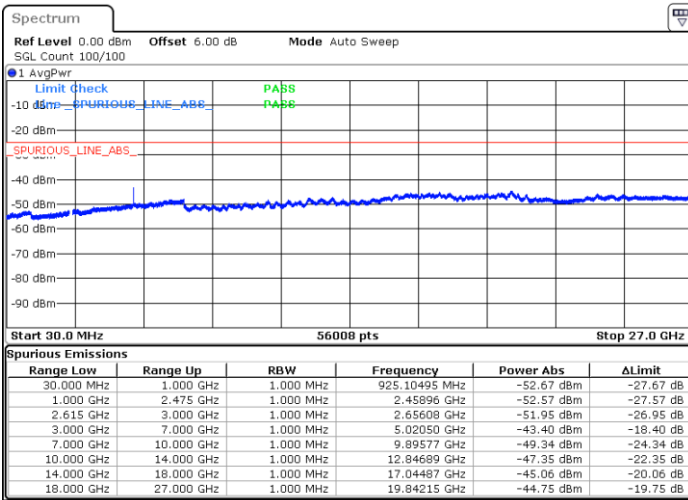


Conducted Spurious Emission

LTE Band 7 / 10MHz+20MHz

Lowest Channel / QPSK

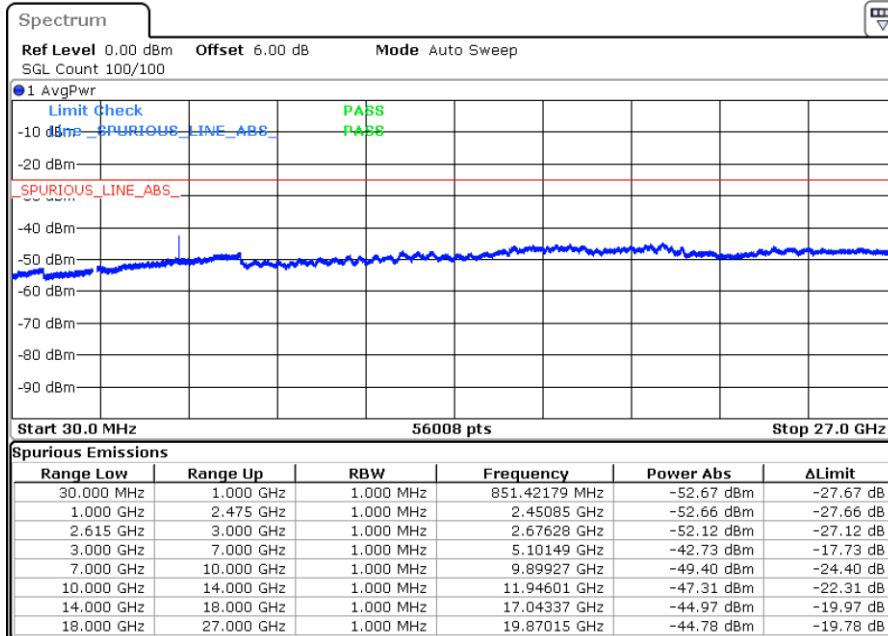
Middle Channel / QPSK



Date: 21.SEP.2022 15:59:33

Date: 21.SEP.2022 16:18:46

Highest Channel / QPSK



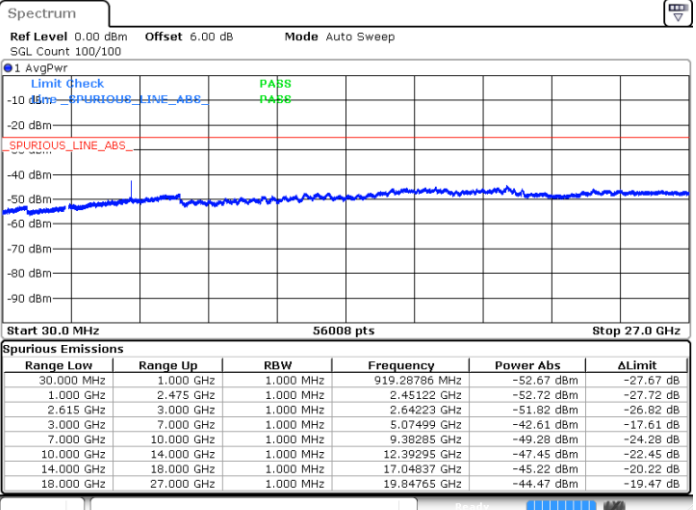
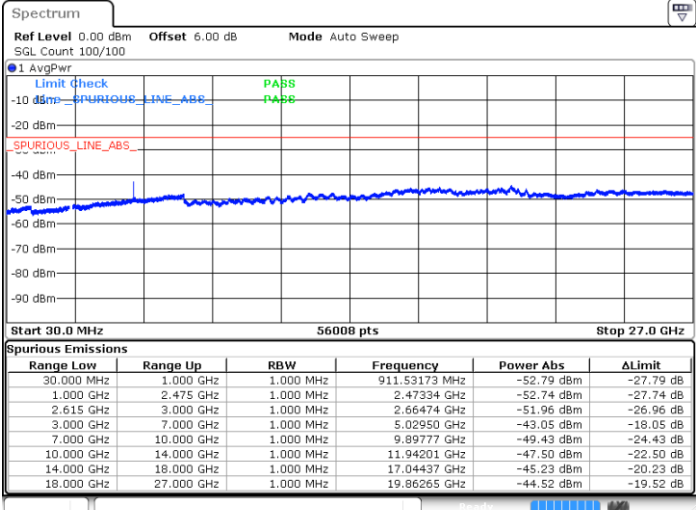
Date: 21.SEP.2022 16:20:20



LTE Band 7 / 15MHz+10MHz

Lowest Channel / QPSK

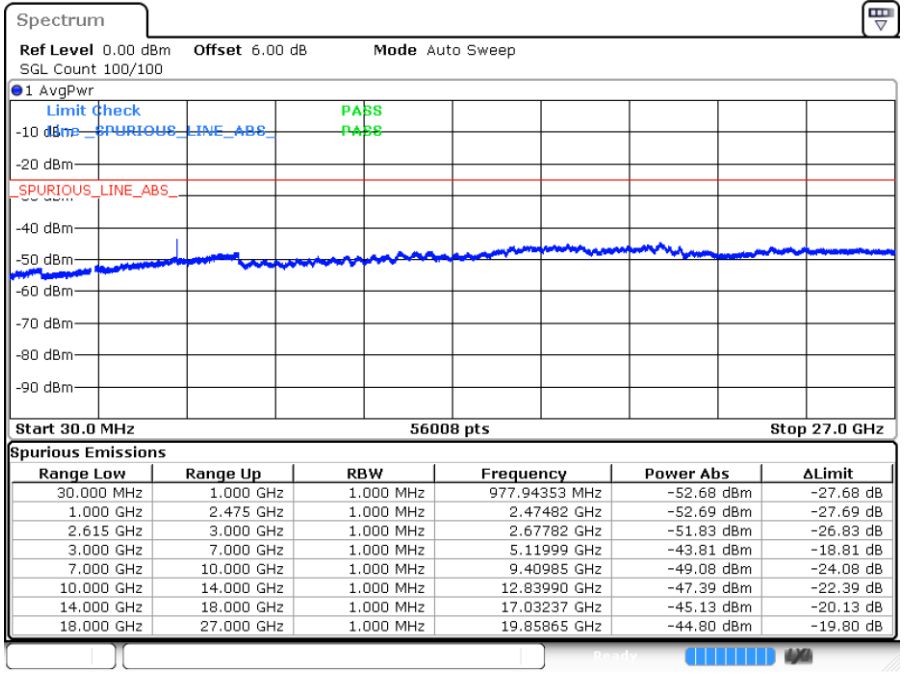
Middle Channel / QPSK



Date: 21.SEP.2022 16:39:31

Date: 21.SEP.2022 16:58:43

Highest Channel / QPSK



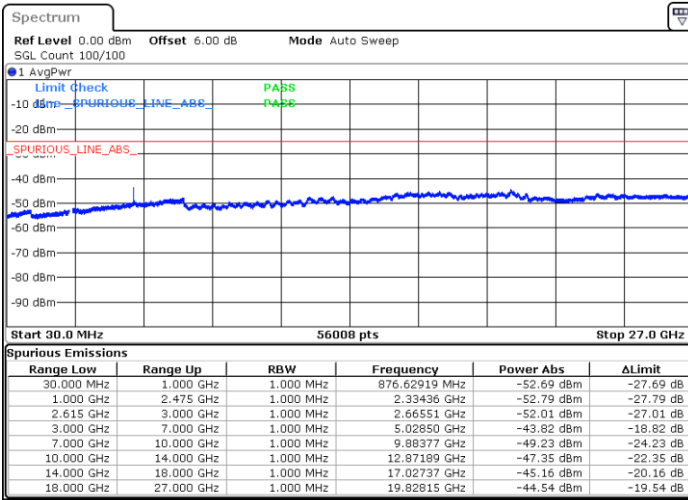
Date: 21.SEP.2022 17:00:17



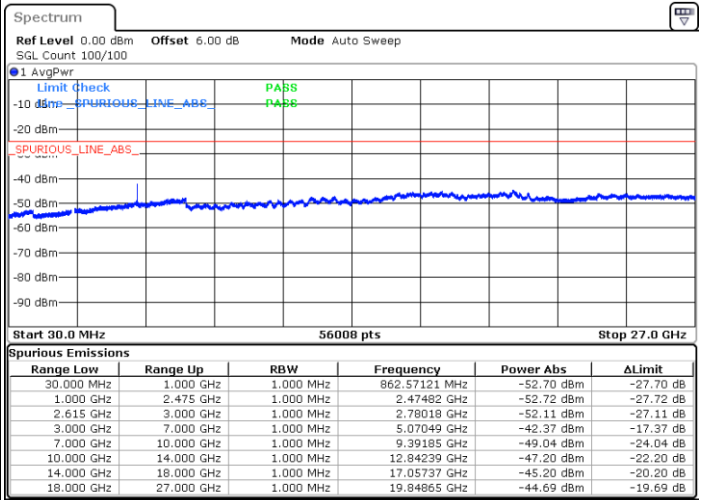
LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

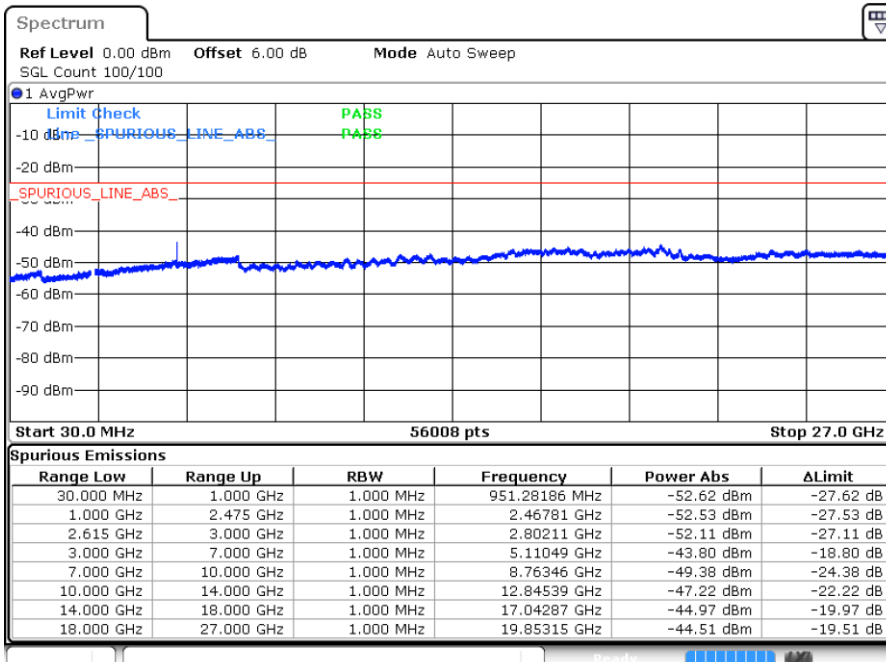


Date: 21.SEP.2022 17:19:33



Date: 21.SEP.2022 17:38:46

Highest Channel / QPSK



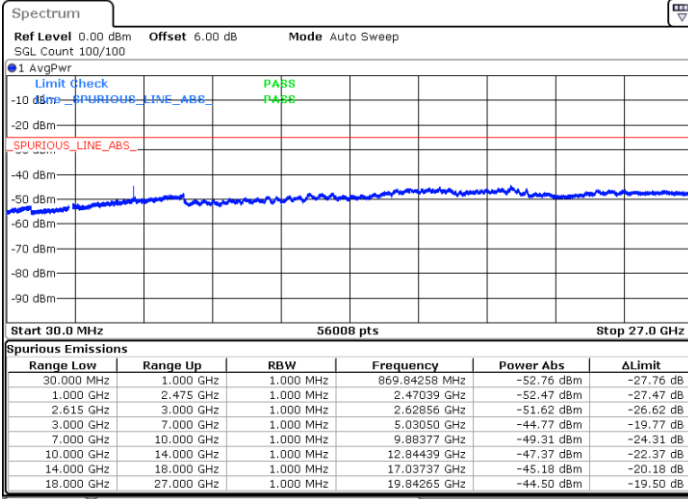
Date: 21.SEP.2022 17:40:20



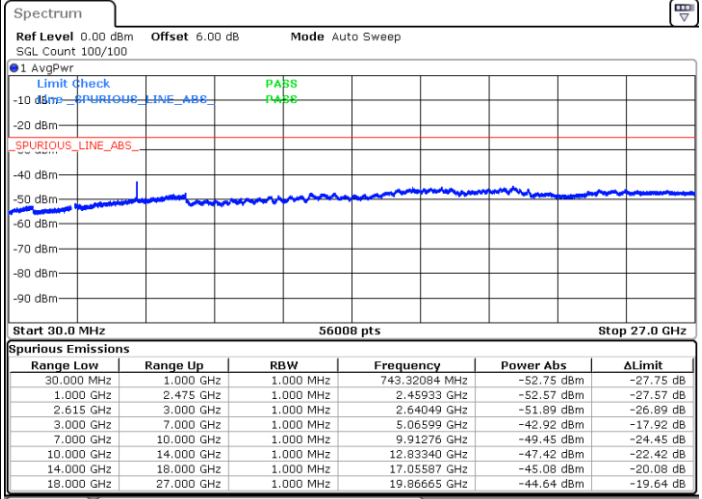
LTE Band 7 / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

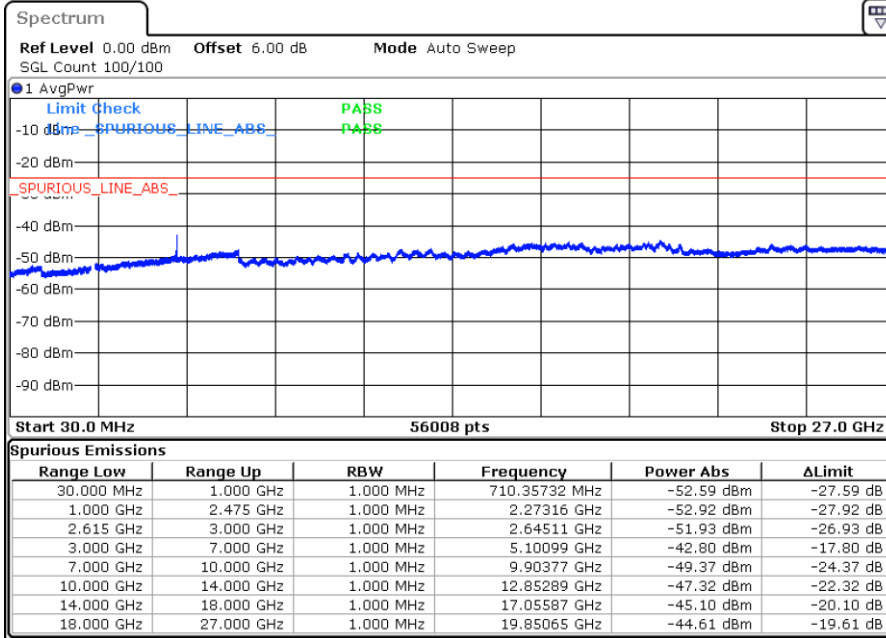


Date: 21.SEP.2022 19:26:17



Date: 21.SEP.2022 19:45:30

Highest Channel / QPSK



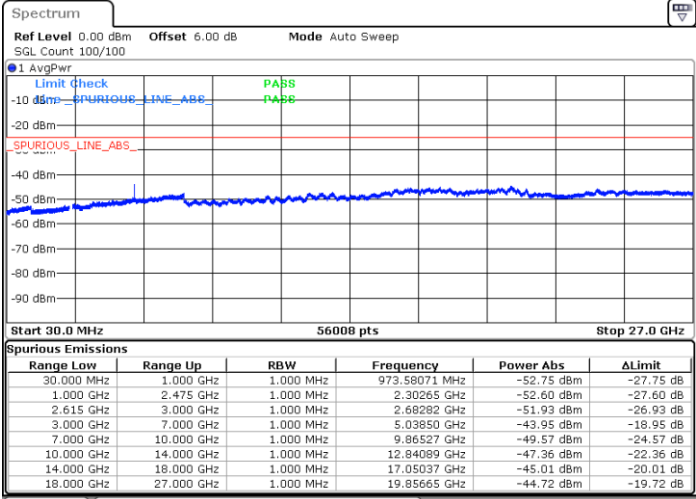
Date: 21.SEP.2022 19:47:05



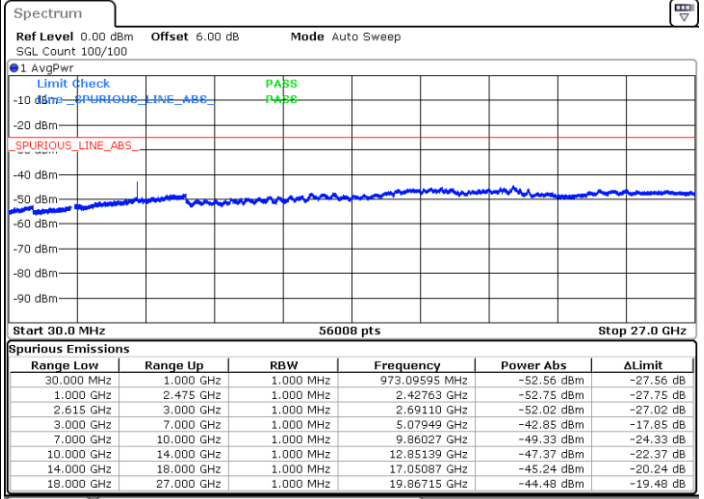
LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

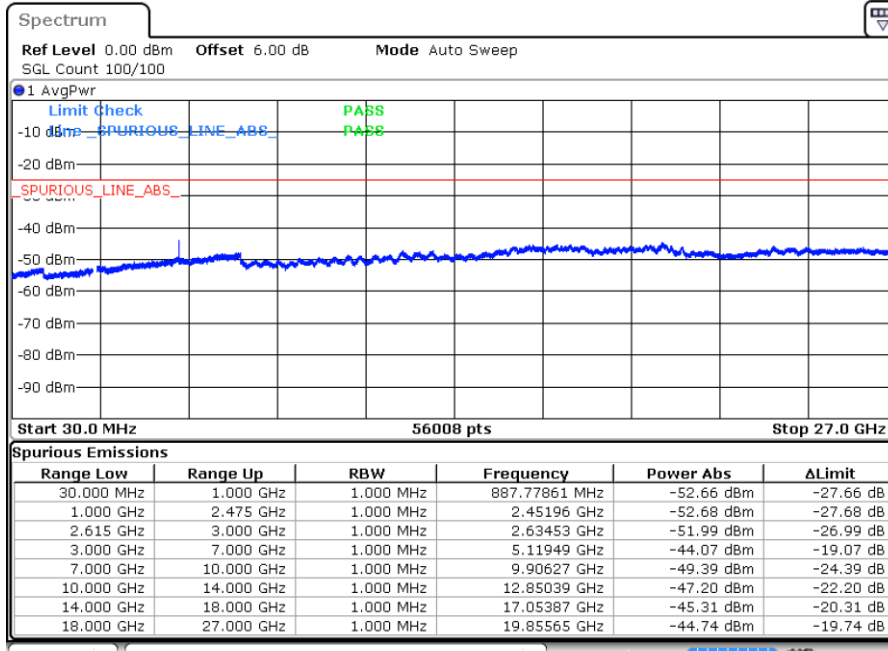


Date: 21.SEP.2022 20:06:16



Date: 21.SEP.2022 20:25:29

Highest Channel / QPSK



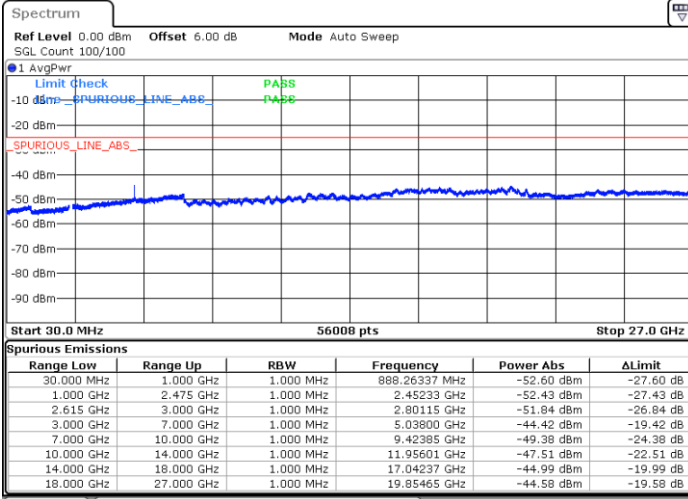
Date: 21.SEP.2022 20:27:04



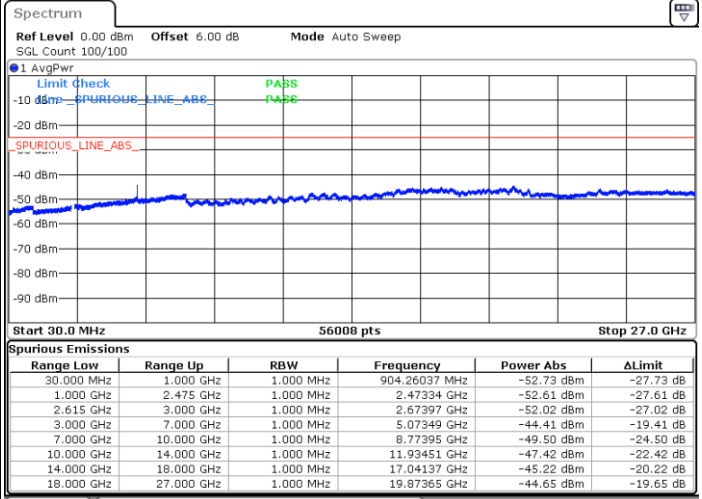
LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

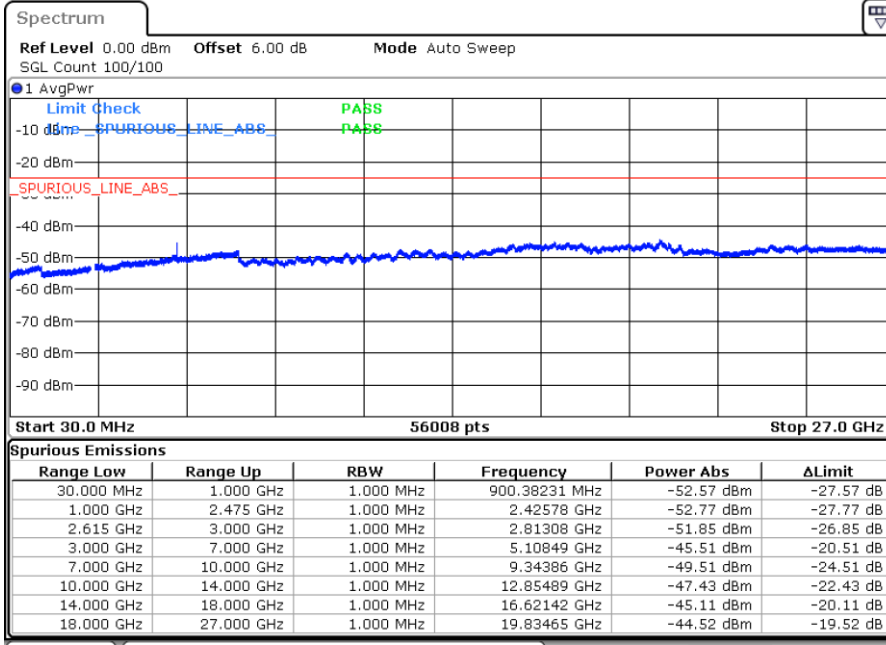


Date: 21.SEP.2022 20:46:15



Date: 21.SEP.2022 21:05:28

Highest Channel / QPSK



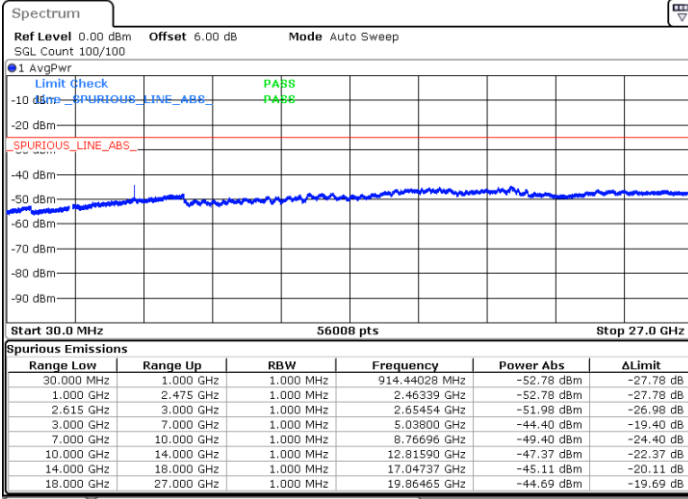
Date: 21.SEP.2022 21:07:03



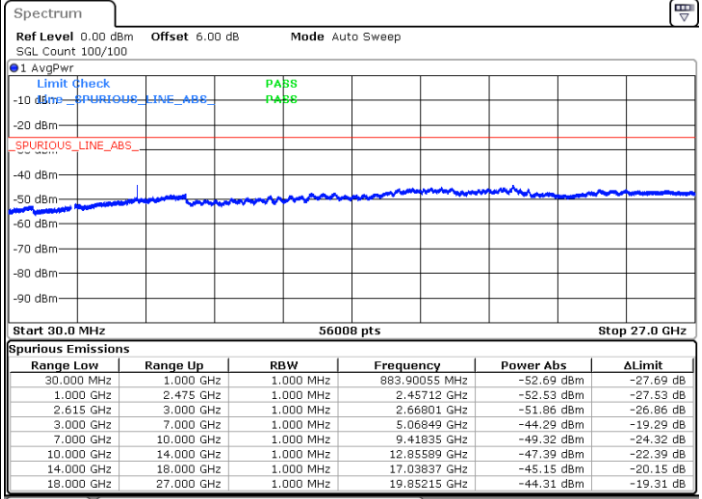
LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

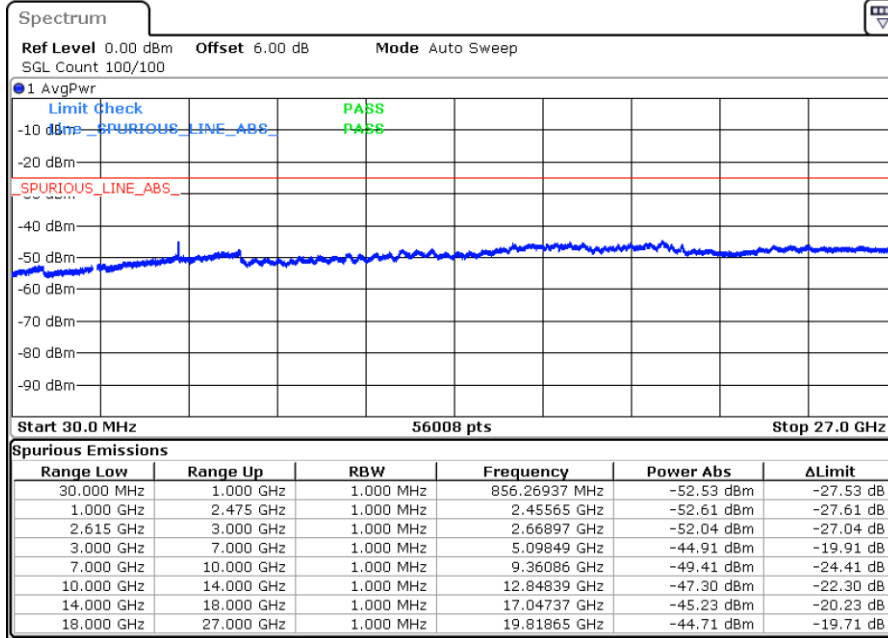


Date: 21.SEP.2022 21:26:14



Date: 21.SEP.2022 21:45:29

Highest Channel / QPSK



Date: 21.SEP.2022 21:47:03



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0009	

Note:

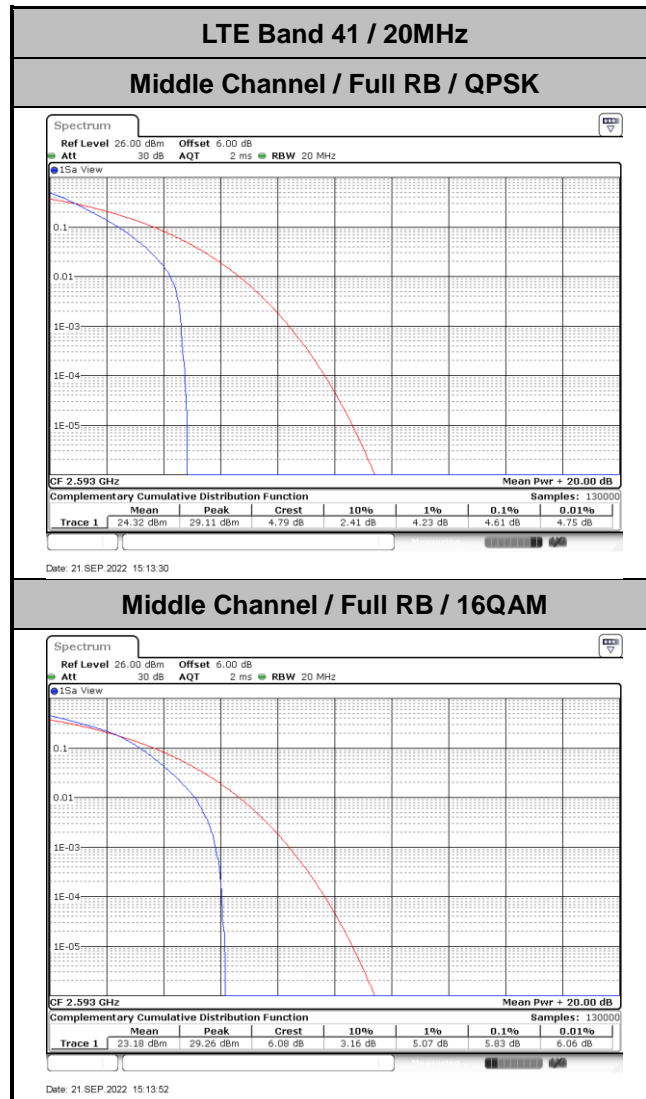
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

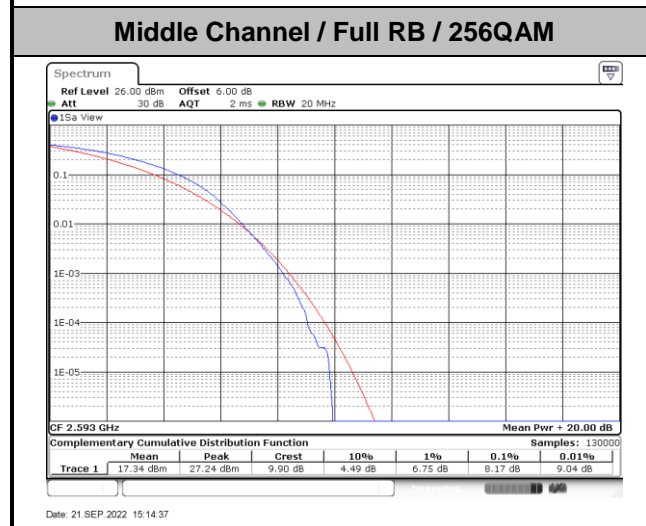
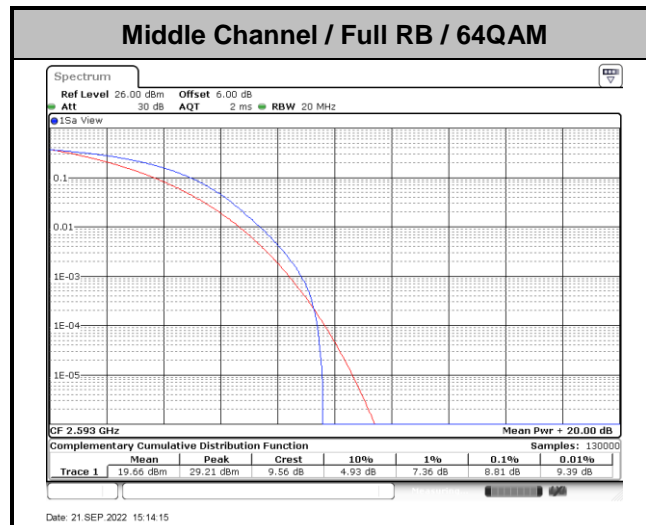


LTE Band 41(PA1 Main)

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.83	8.81	8.17	PASS

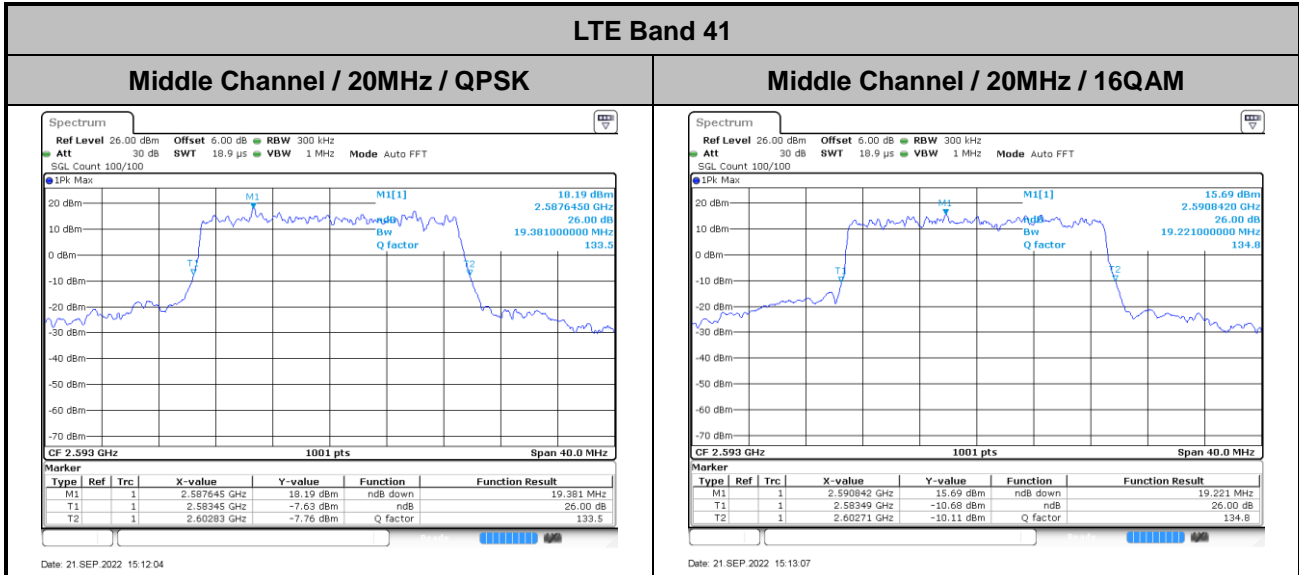






26dB Bandwidth

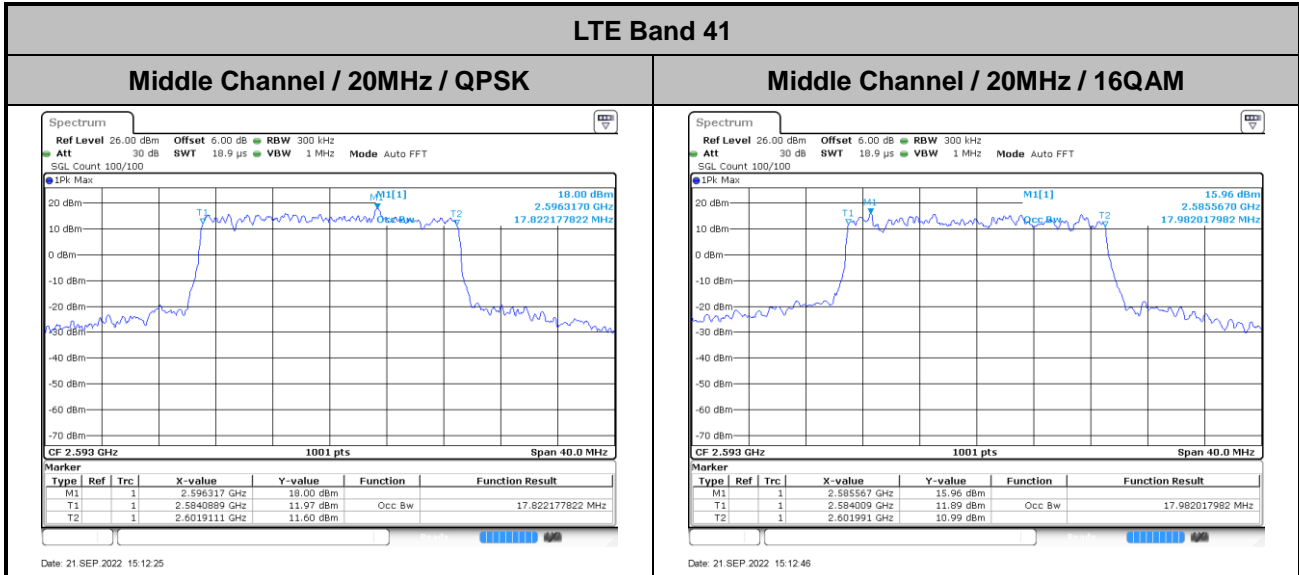
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.38	19.22





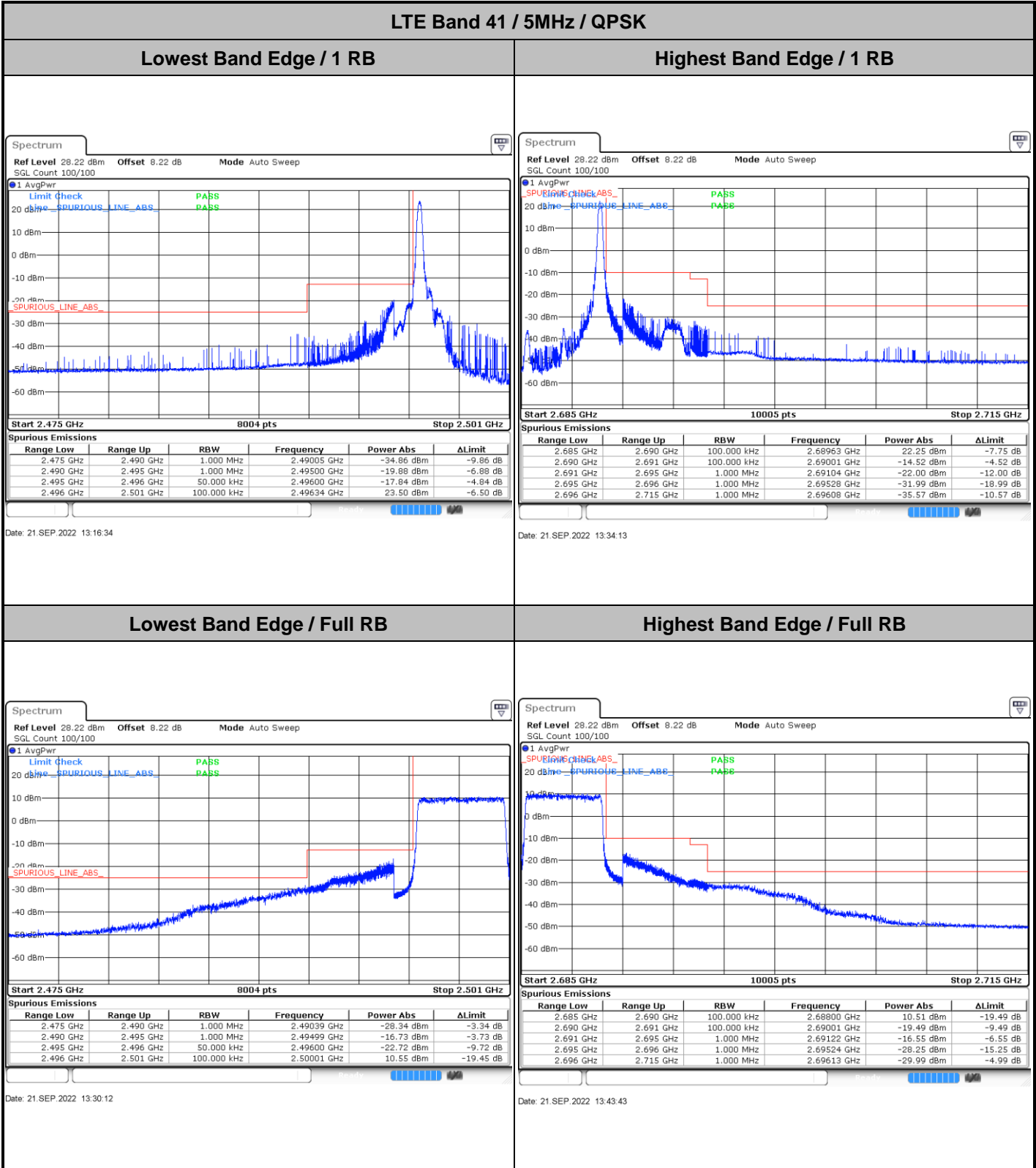
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.98





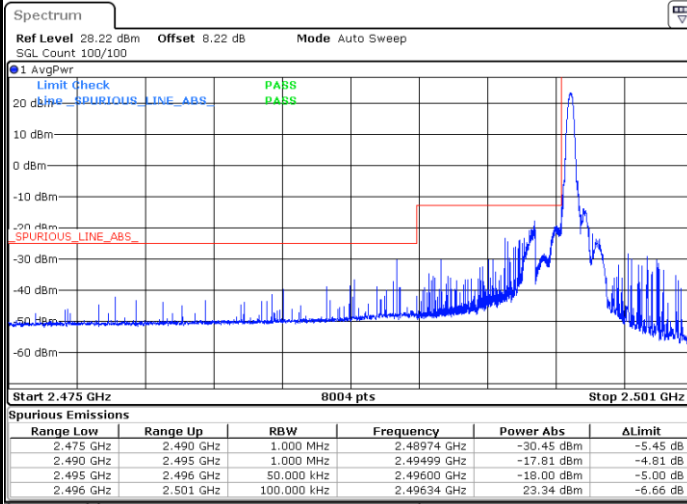
Conducted Band Edge





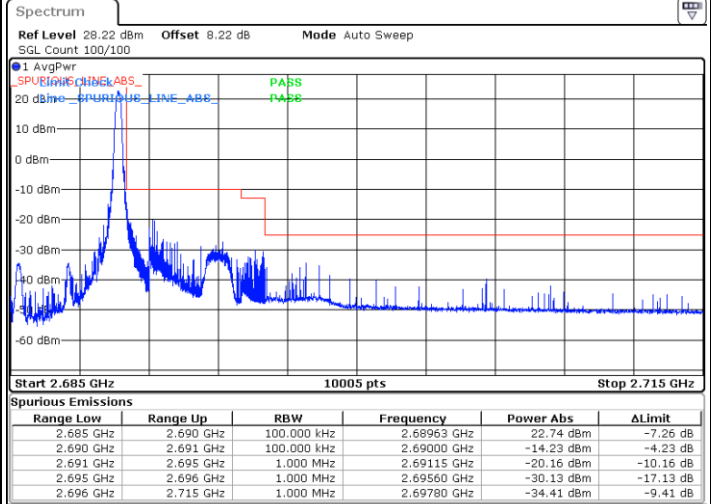
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



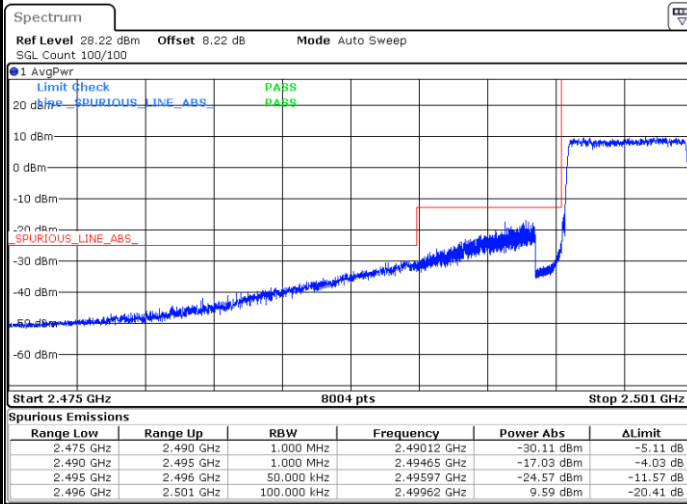
Date: 21.SEP.2022 13:17:55

Highest Band Edge / 1 RB



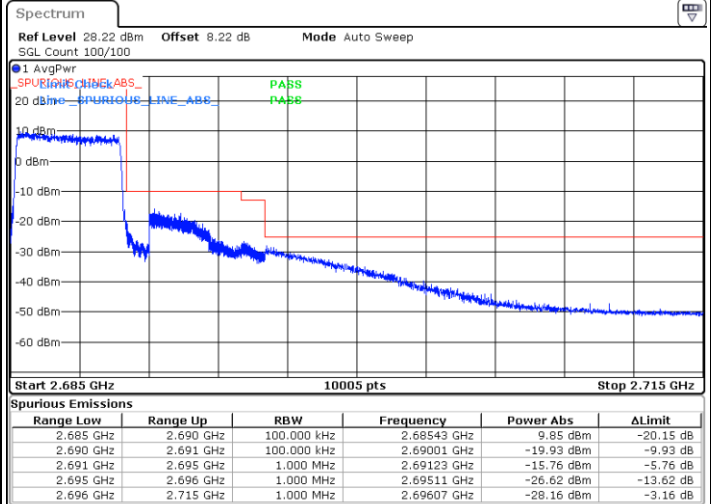
Date: 21.SEP.2022 13:35:34

Lowest Band Edge / Full RB



Date: 21.SEP.2022 13:28:51

Highest Band Edge / Full RB

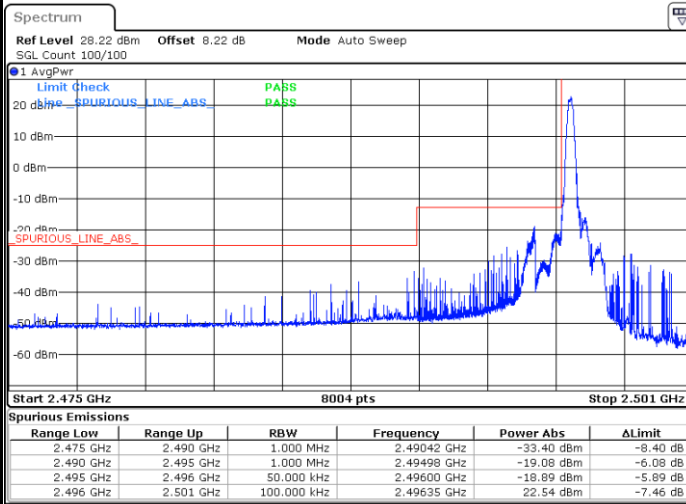


Date: 21.SEP.2022 13:42:22



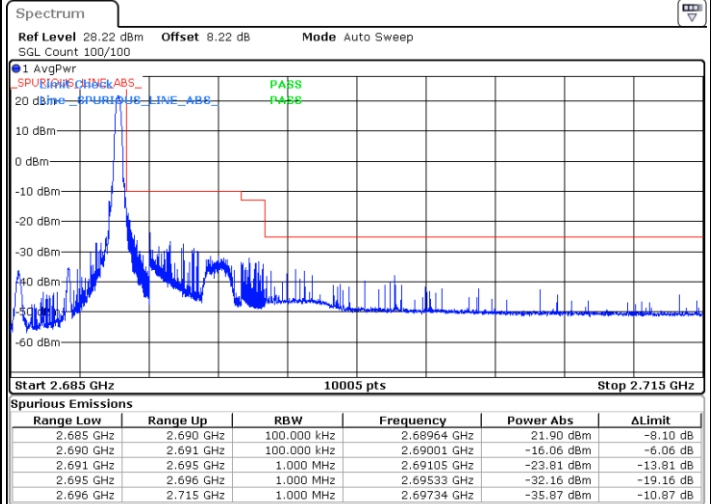
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



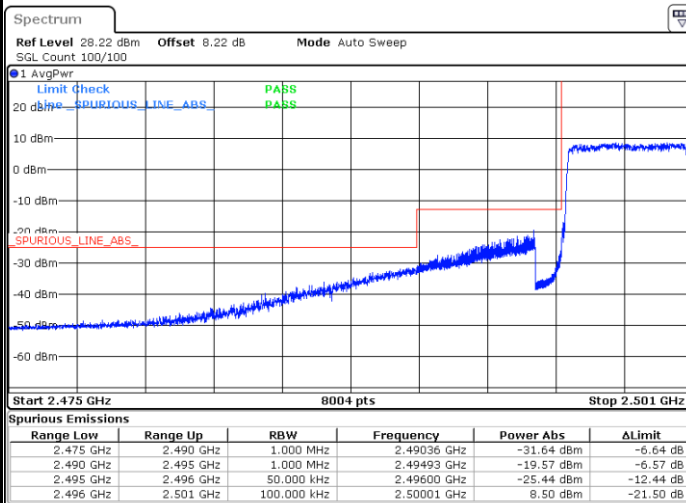
Date: 21.SEP.2022 13:19:15

Highest Band Edge / 1 RB



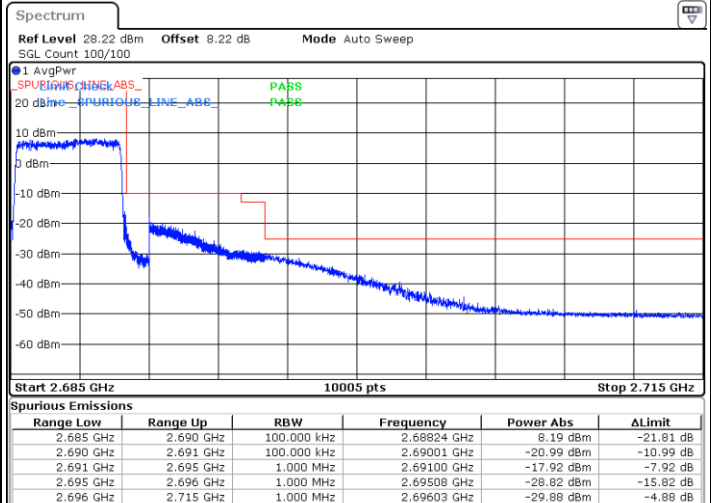
Date: 21.SEP.2022 13:36:54

Lowest Band Edge / Full RB



Date: 21.SEP.2022 13:27:31

Highest Band Edge / Full RB

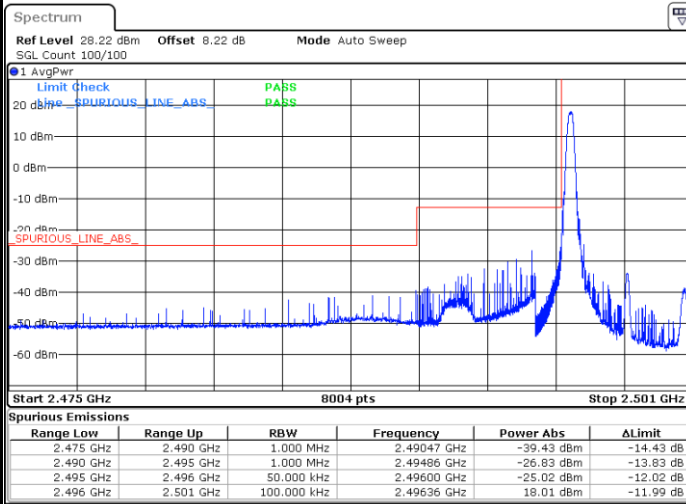


Date: 21.SEP.2022 13:41:02



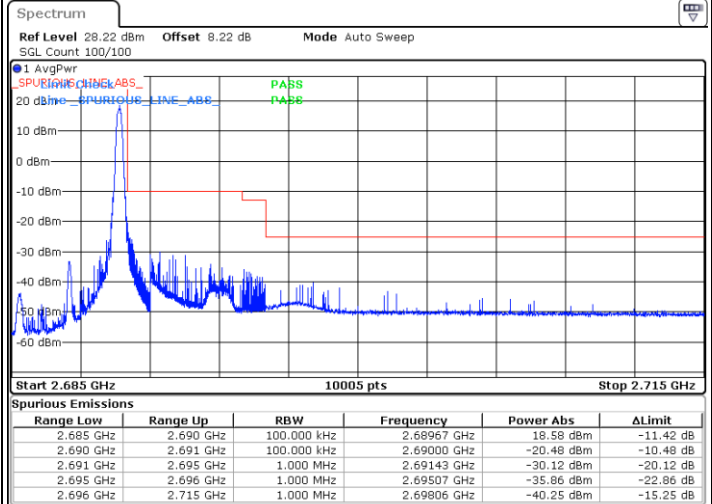
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



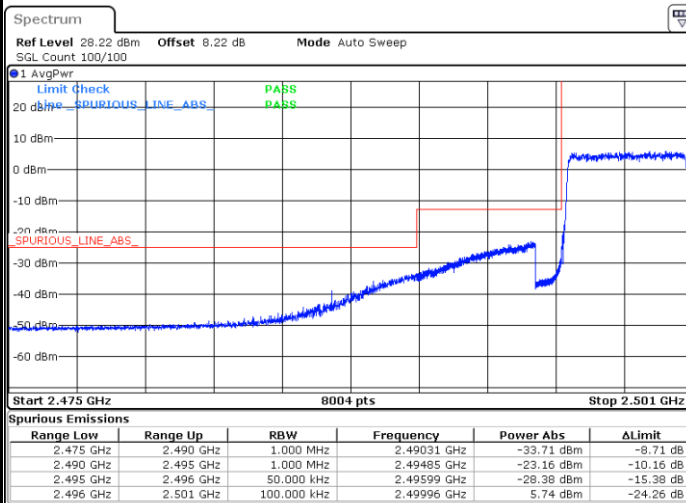
Date: 21.SEP.2022 13:20:36

Highest Band Edge / 1 RB



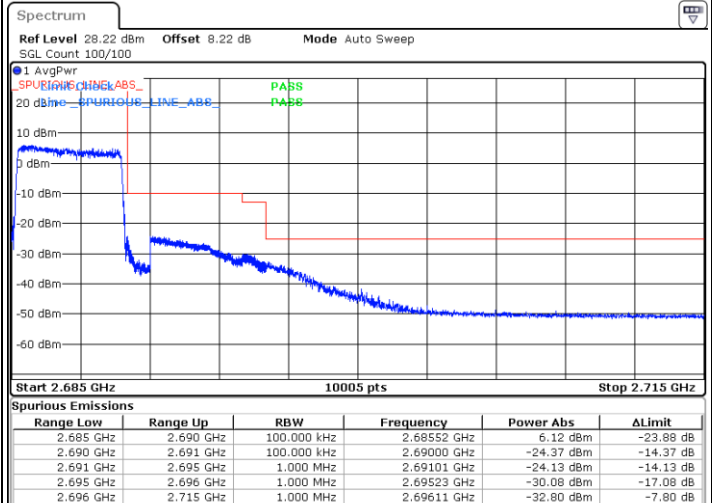
Date: 21.SEP.2022 13:38:15

Lowest Band Edge / Full RB



Date: 21.SEP.2022 13:26:07

Highest Band Edge / Full RB



Date: 21.SEP.2022 13:39:39