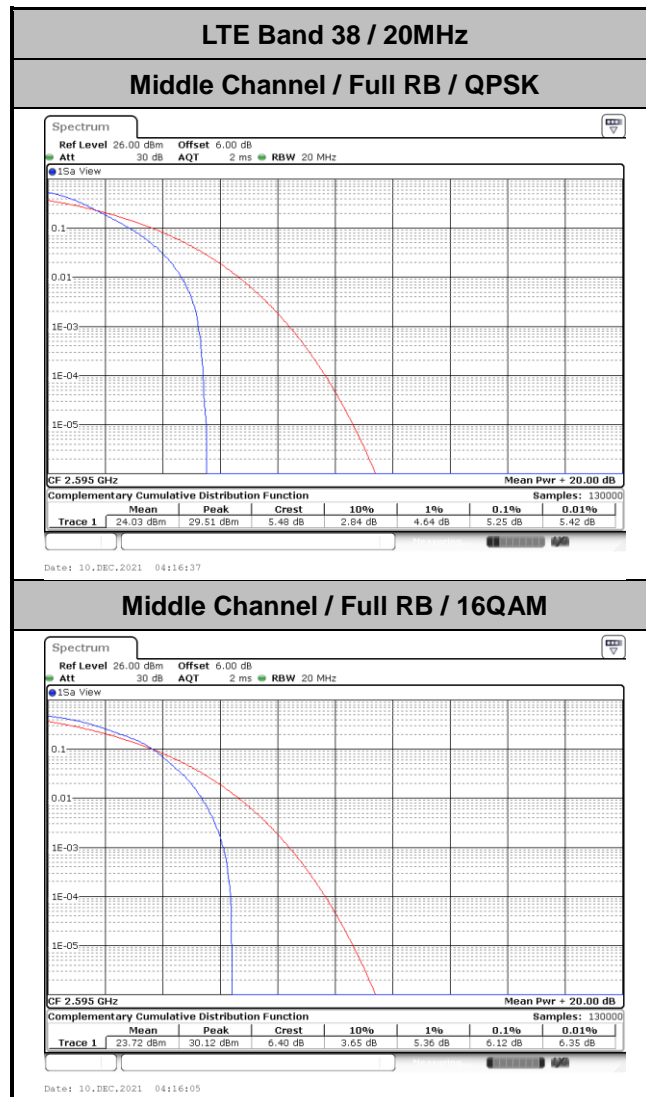


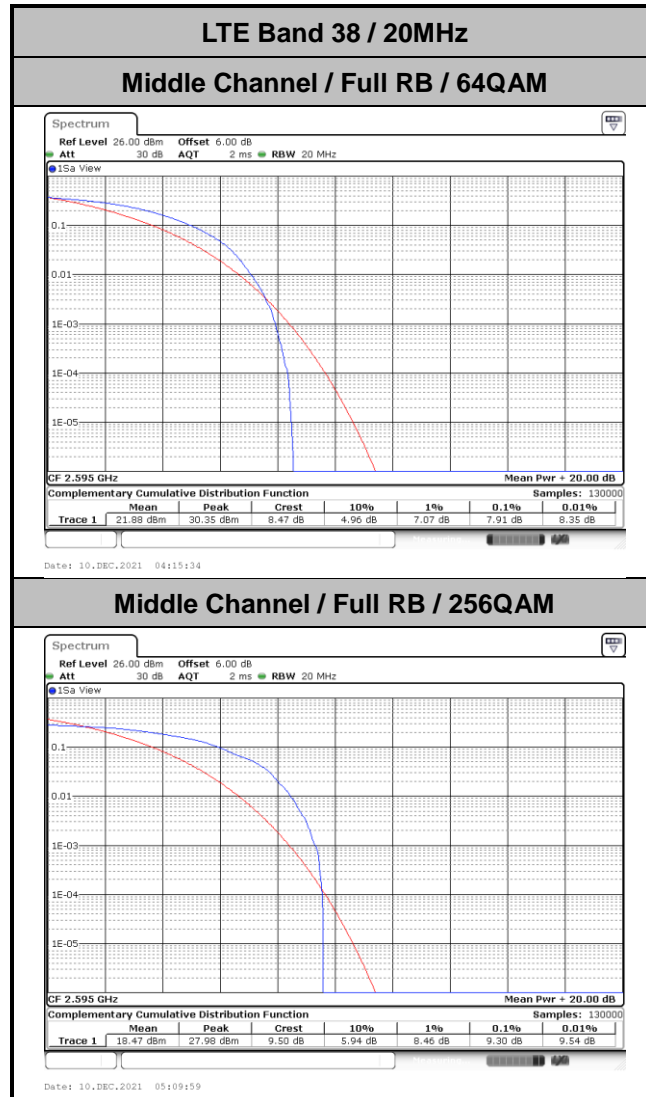


LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38/ 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.12	7.91	9.30	PASS

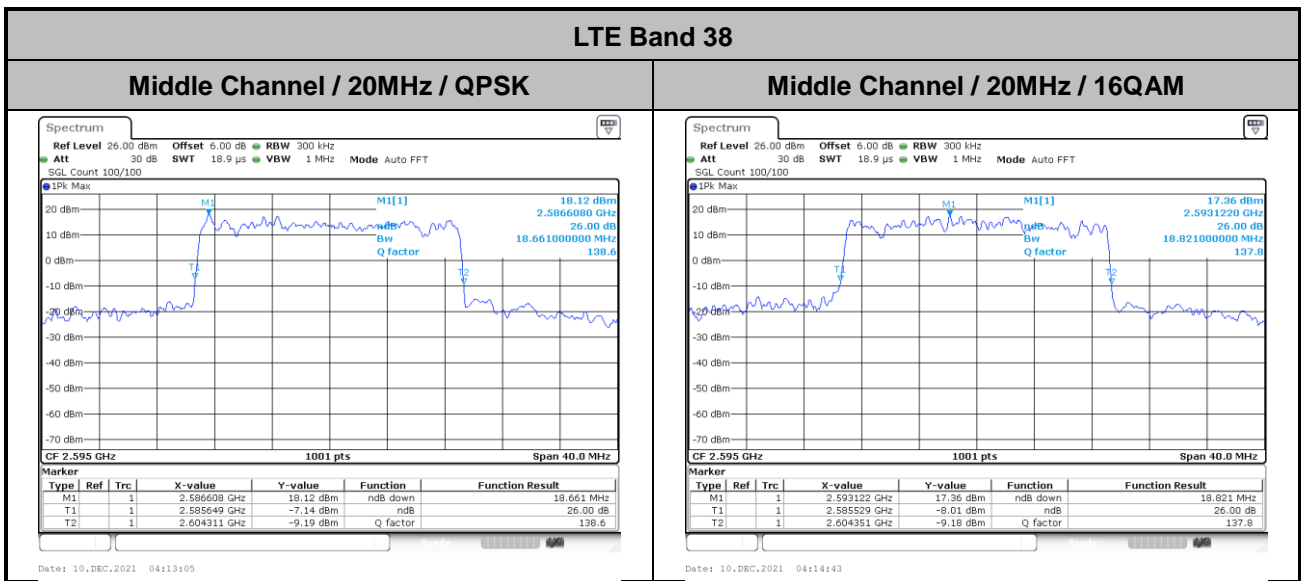






26dB Bandwidth

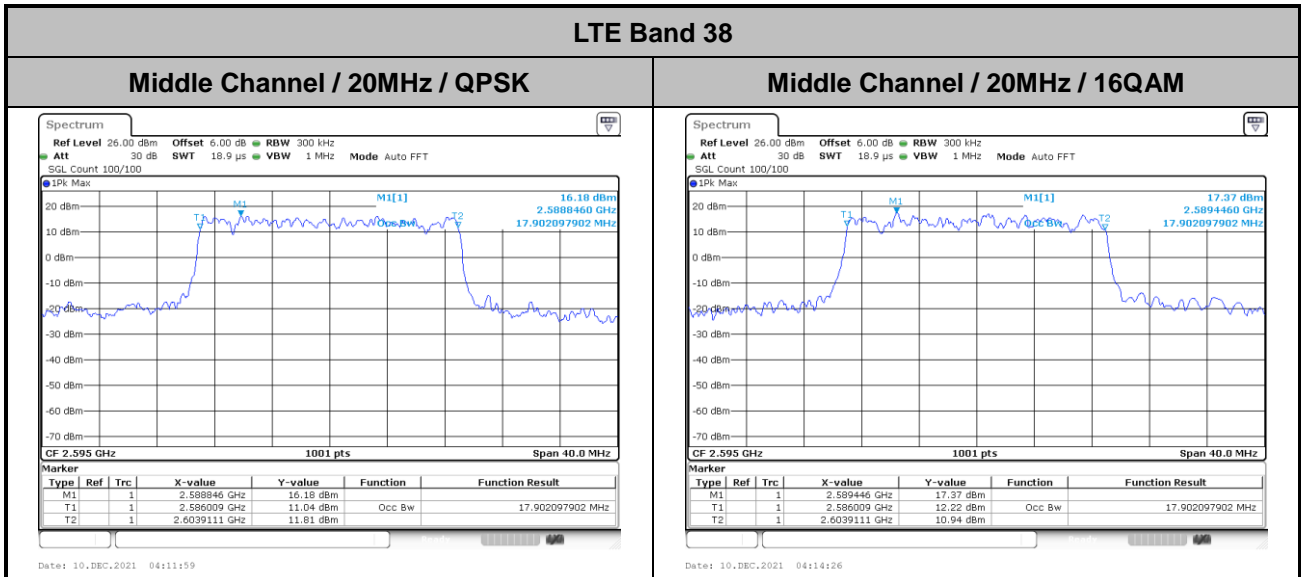
Mode	LTE Band 38 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.66	18.82





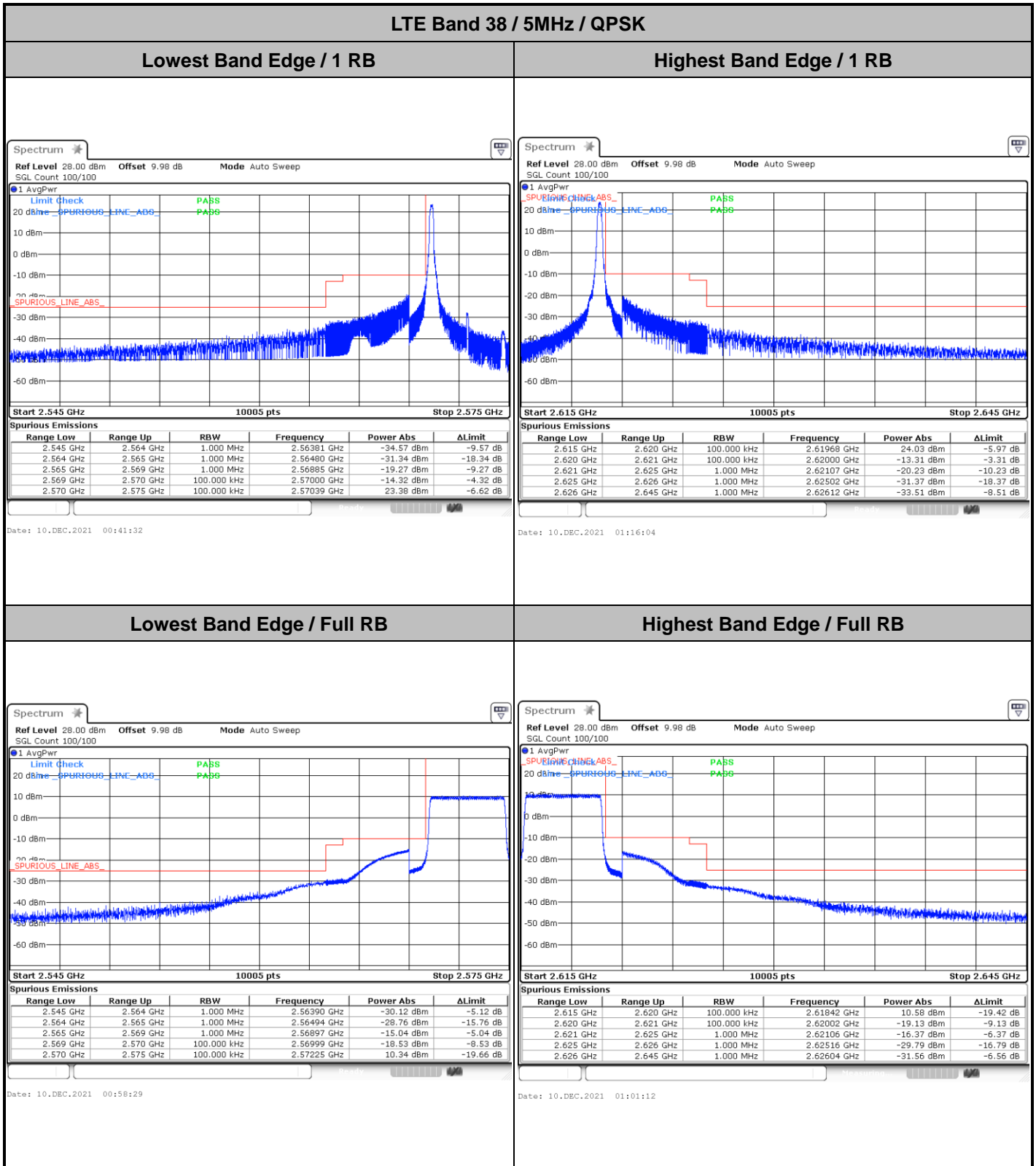
Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.90





Conducted Band Edge

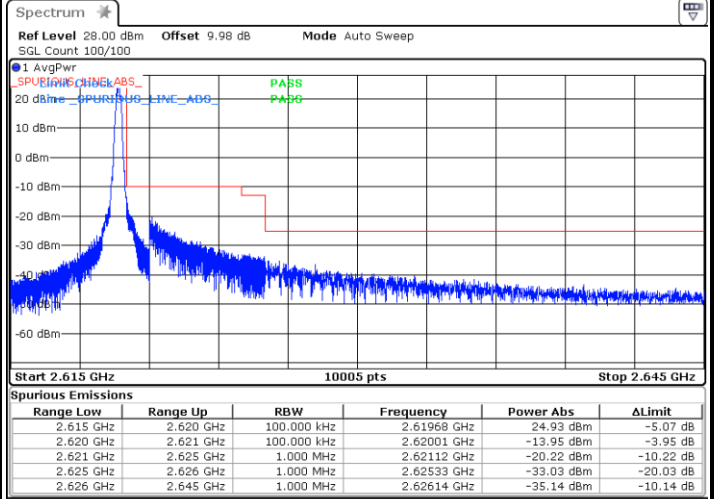
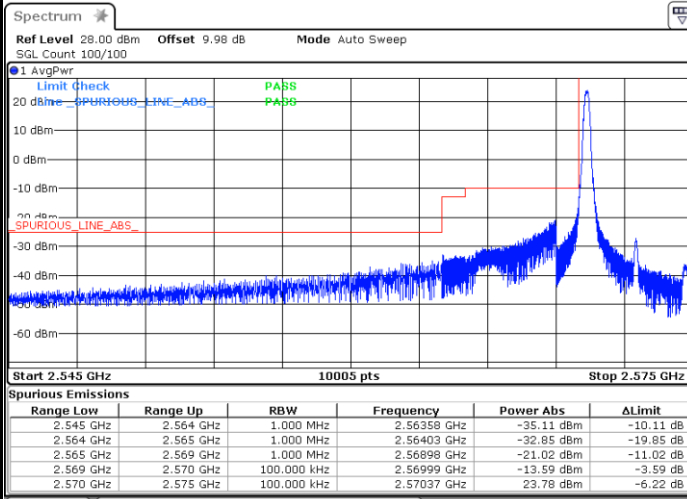




LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

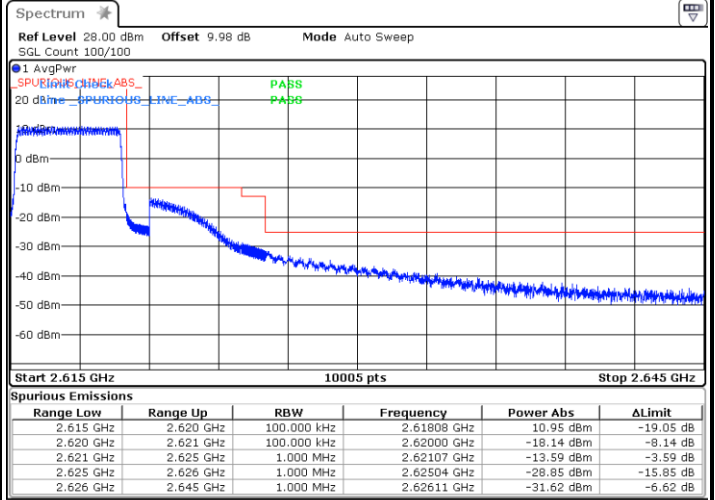
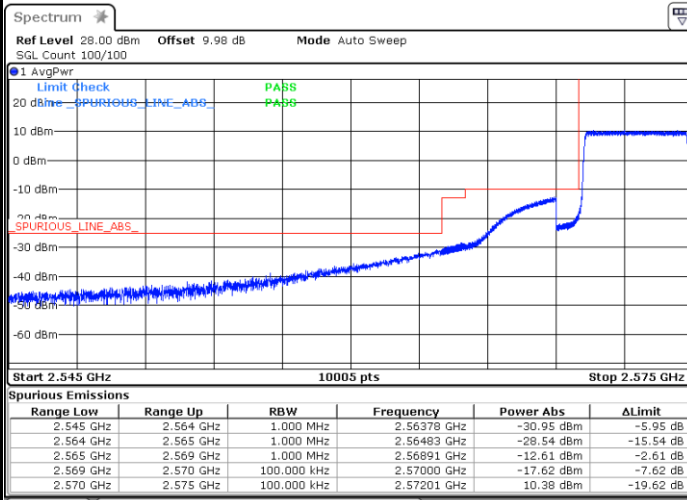


Date: 10.DEC.2021 00:44:04

Date: 10.DEC.2021 01:13:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



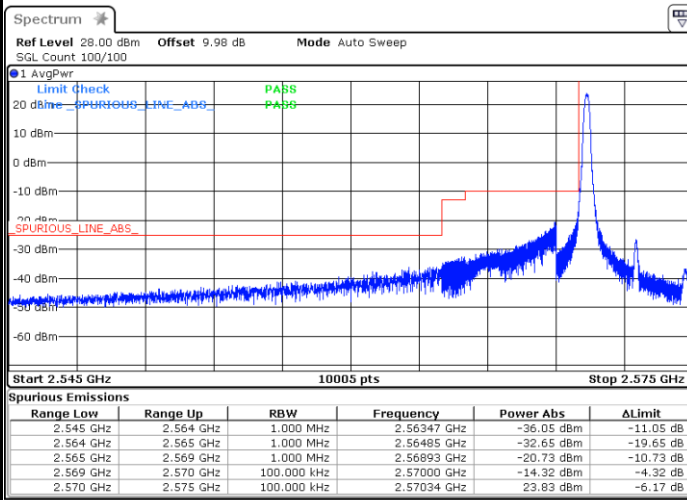
Date: 10.DEC.2021 00:55:44

Date: 10.DEC.2021 01:04:20



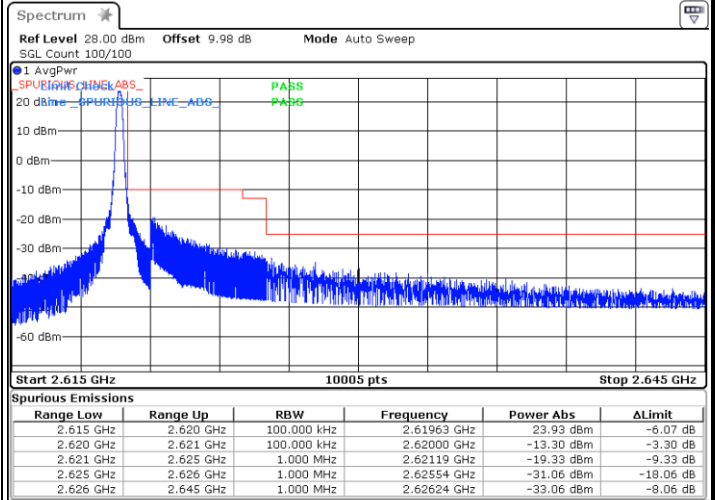
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



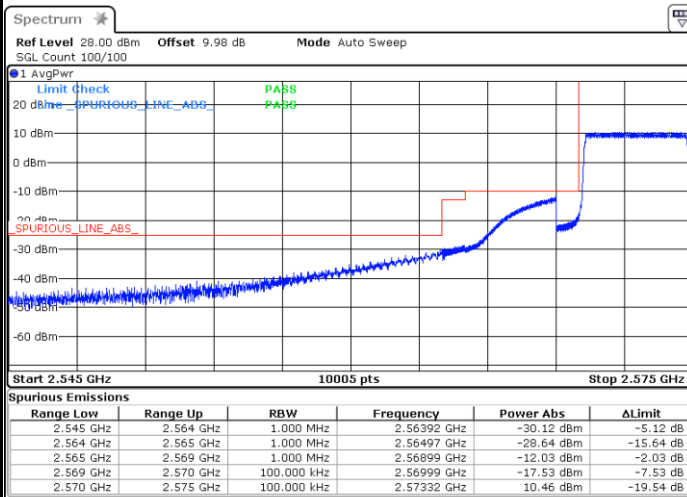
Date: 10.DEC.2021 00:47:49

Highest Band Edge / 1 RB



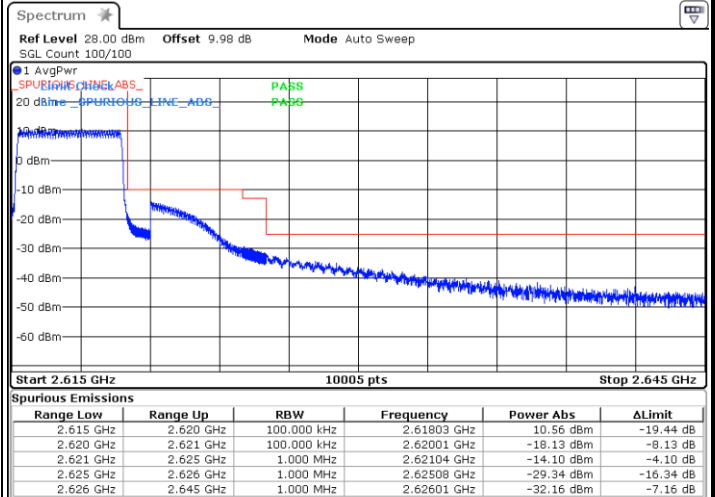
Date: 10.DEC.2021 01:10:51

Lowest Band Edge / Full RB



Date: 10.DEC.2021 00:52:24

Highest Band Edge / Full RB

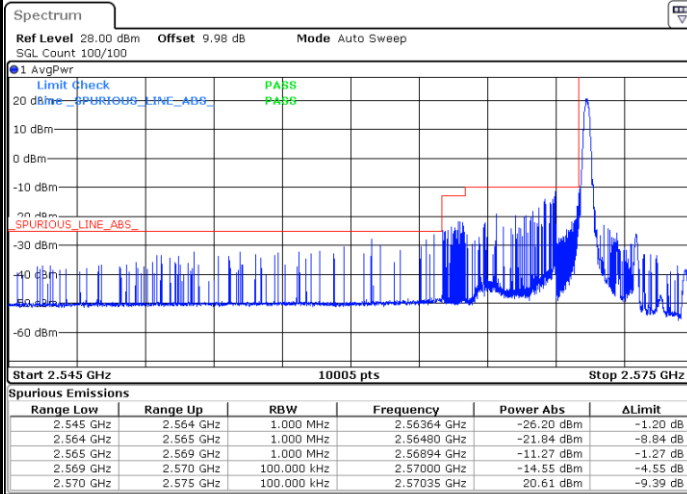


Date: 10.DEC.2021 01:07:05



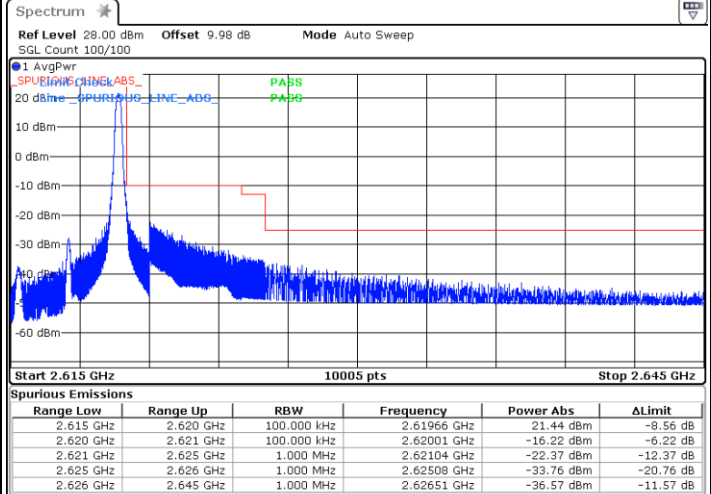
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



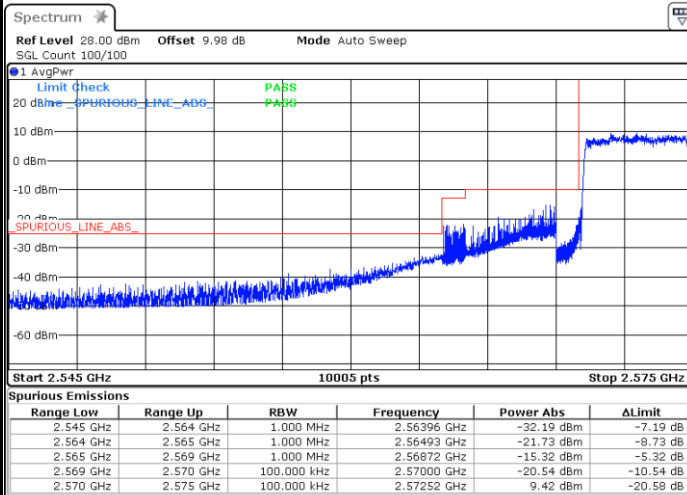
Date: 10. DEC. 2021 05:37:06

Highest Band Edge / 1 RB



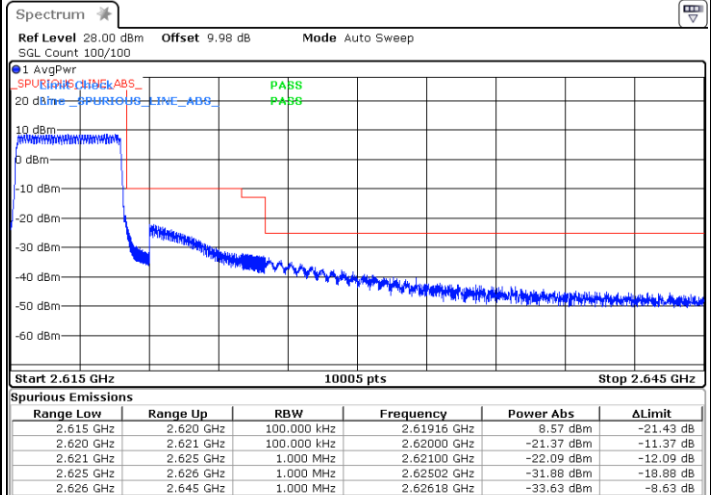
Date: 10. DEC. 2021 05:56:38

Lowest Band Edge / Full RB



Date: 10. DEC. 2021 05:36:29

Highest Band Edge / Full RB

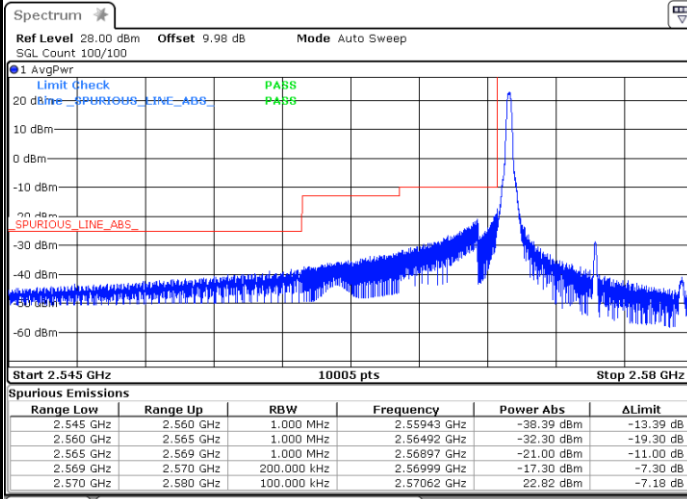


Date: 10. DEC. 2021 05:59:10



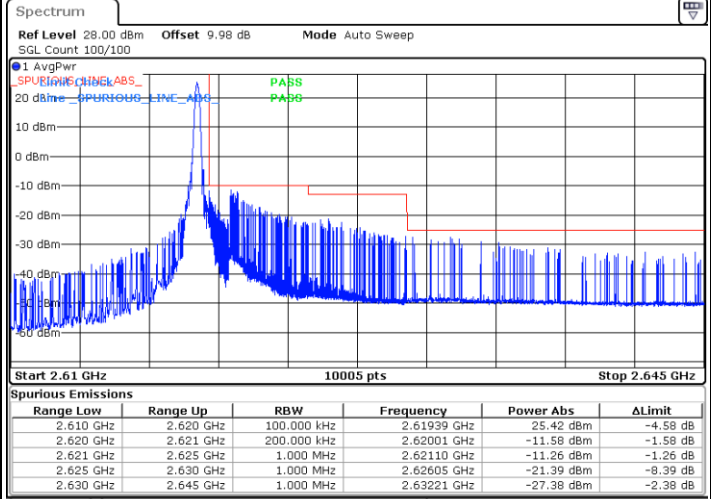
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



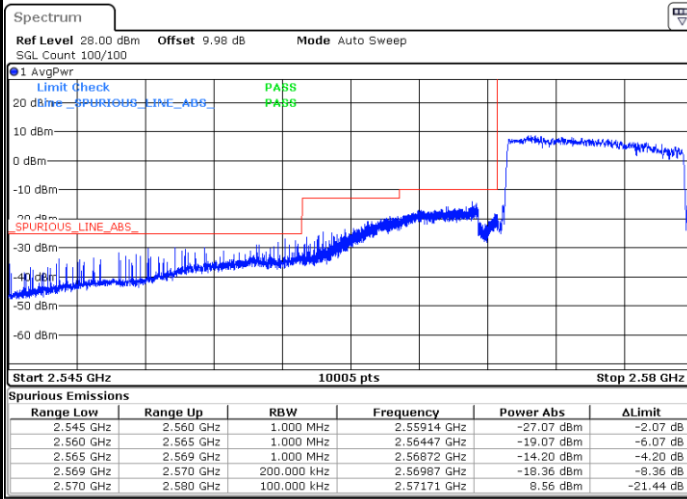
Date: 10.DEC.2021 01:20:11

Highest Band Edge / 1 RB



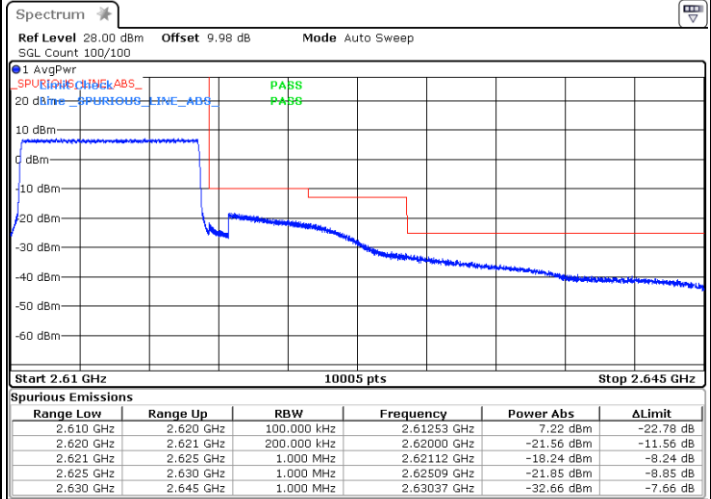
Date: 9.DEC.2021 22:27:19

Lowest Band Edge / Full RB



Date: 10.DEC.2021 01:34:41

Highest Band Edge / Full RB

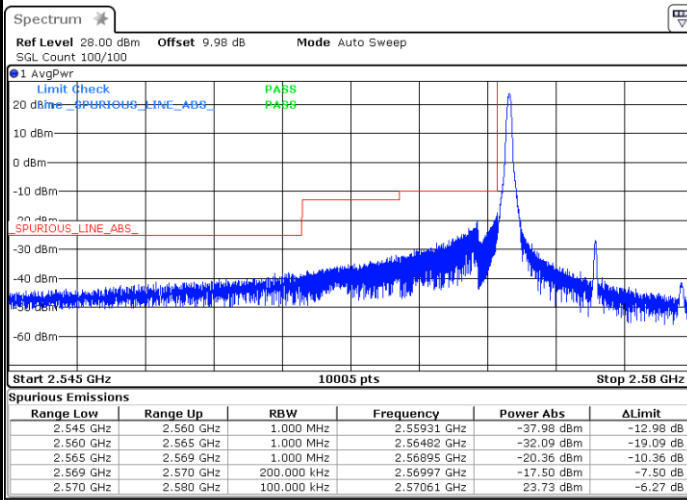


Date: 10.DEC.2021 01:37:50



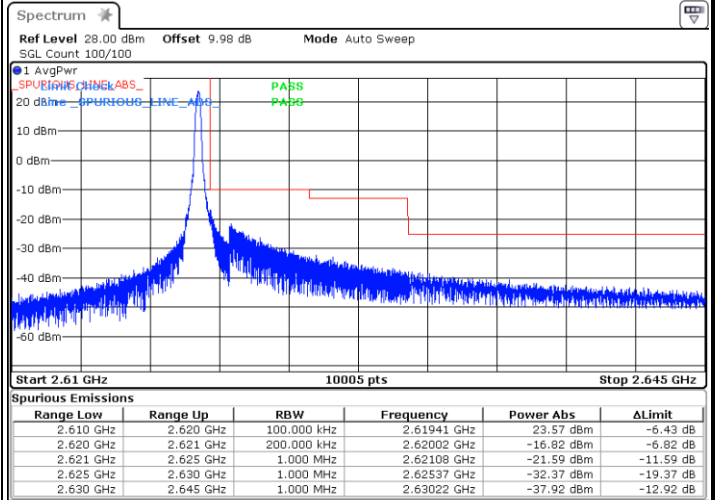
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



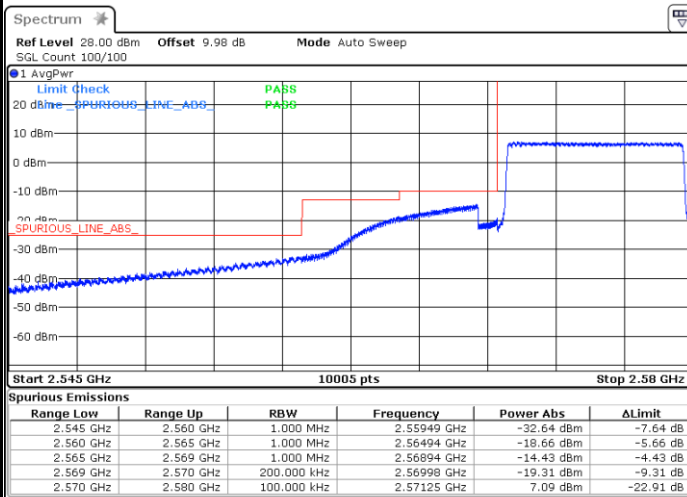
Date: 10.DEC.2021 01:23:00

Highest Band Edge / 1 RB



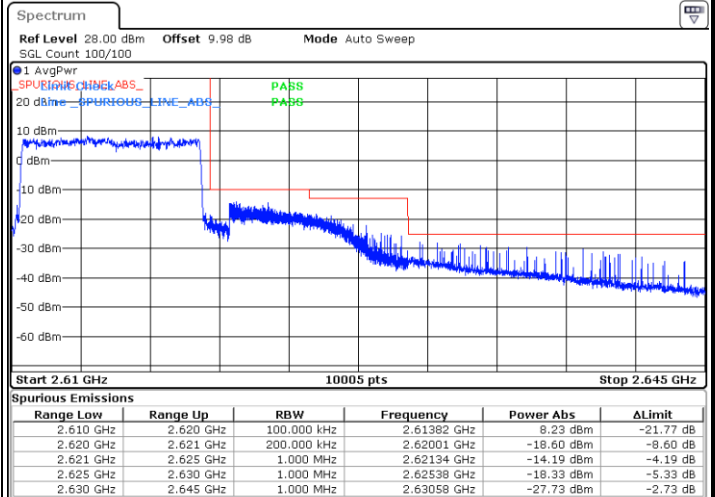
Date: 10.DEC.2021 01:46:37

Lowest Band Edge / Full RB



Date: 10.DEC.2021 01:33:56

Highest Band Edge / Full RB

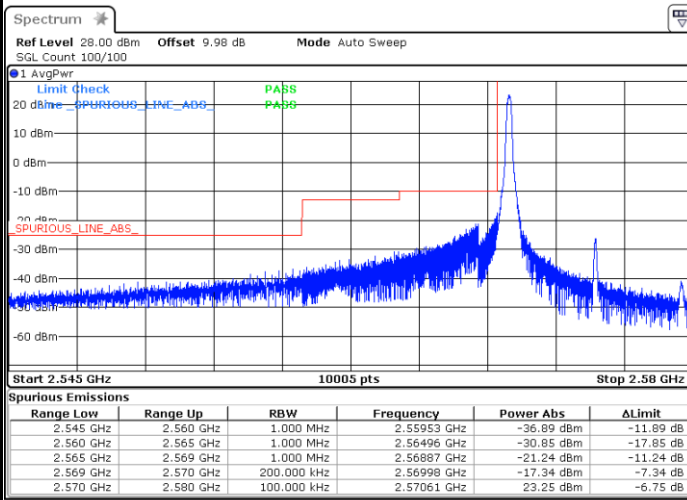


Date: 10.DEC.2021 01:38:38



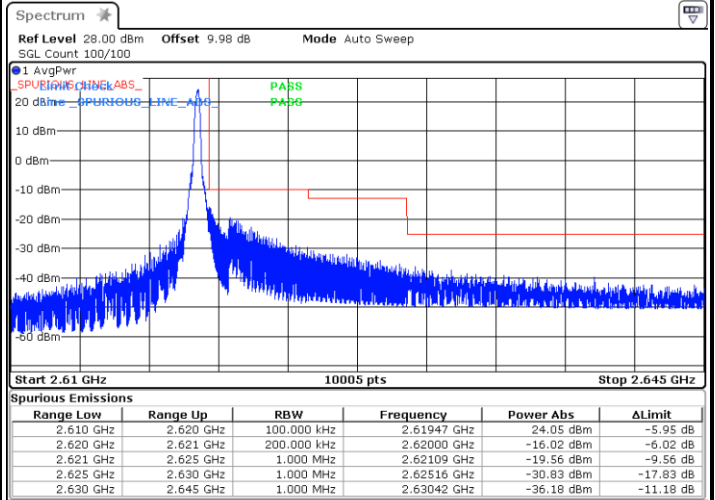
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



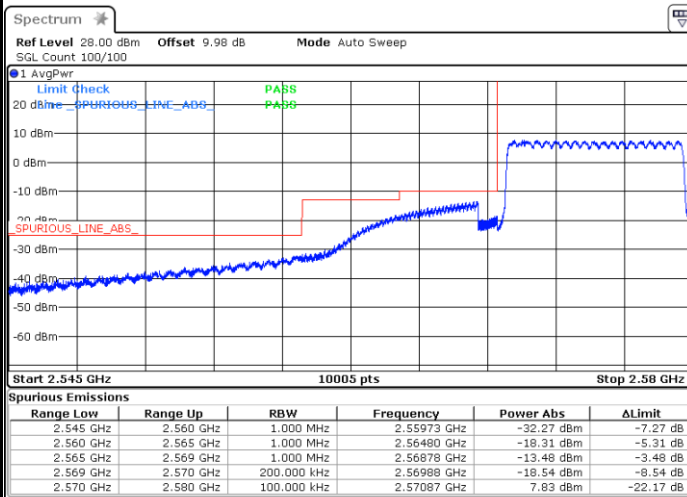
Date: 10.DEC.2021 01:27:49

Highest Band Edge / 1 RB



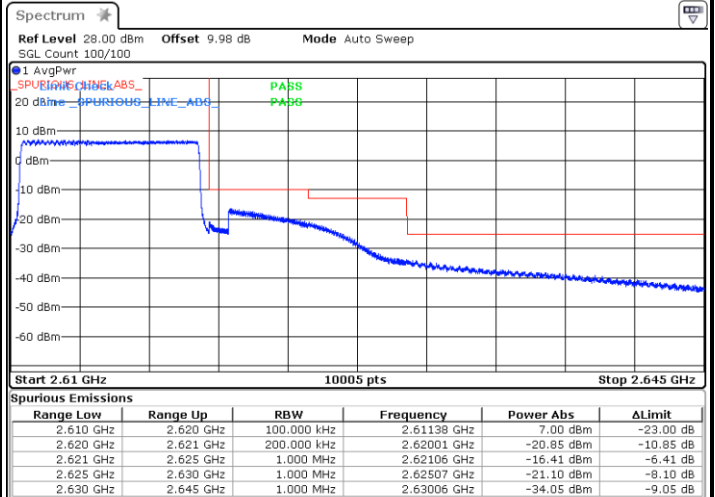
Date: 10.DEC.2021 01:49:44

Lowest Band Edge / Full RB



Date: 10.DEC.2021 01:30:57

Highest Band Edge / Full RB



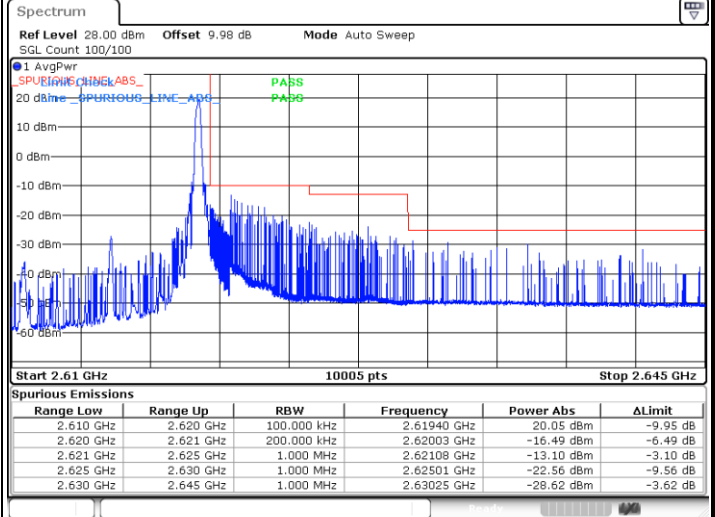
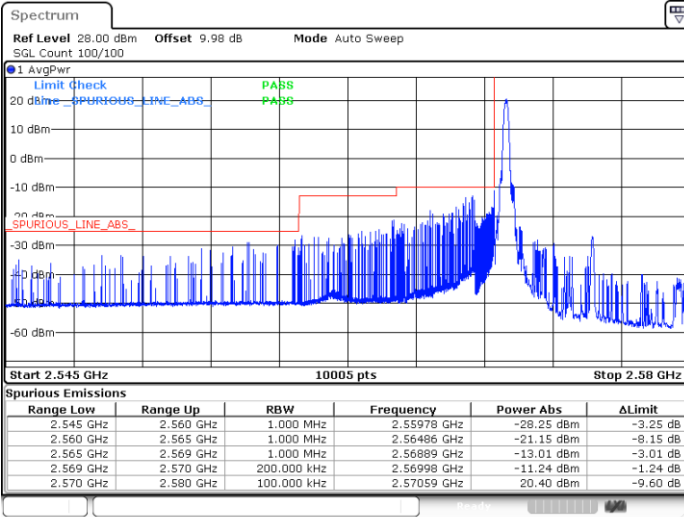
Date: 10.DEC.2021 01:41:14



LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

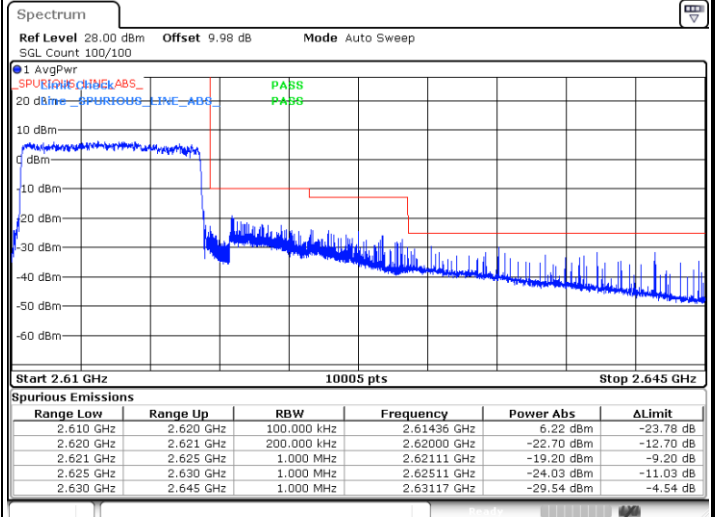
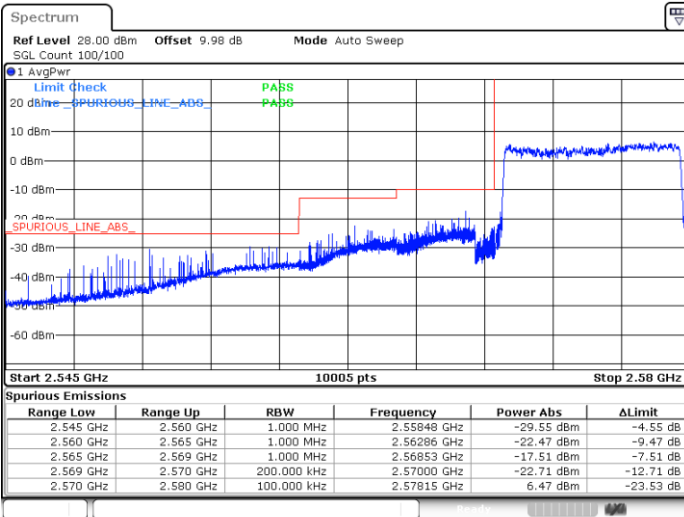


Date: 10. DEC. 2021 05:31:05

Date: 10. DEC. 2021 05:33:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10. DEC. 2021 05:30:08

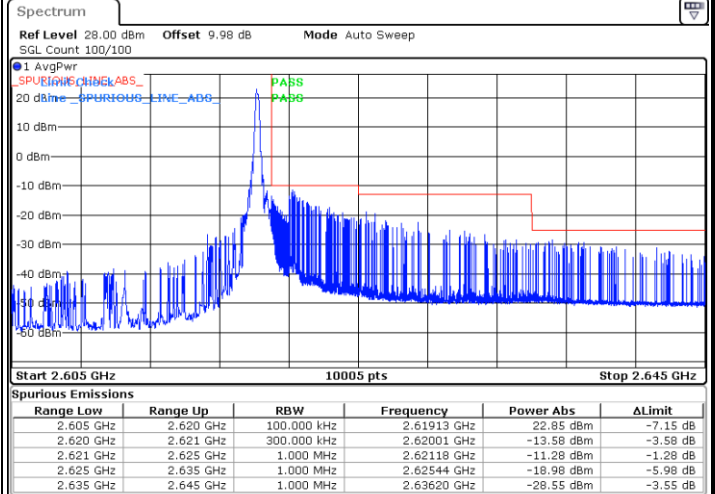
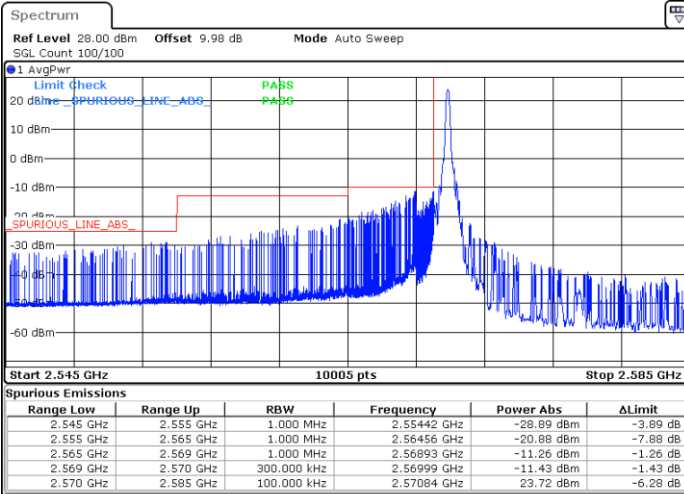
Date: 10. DEC. 2021 05:34:05



LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

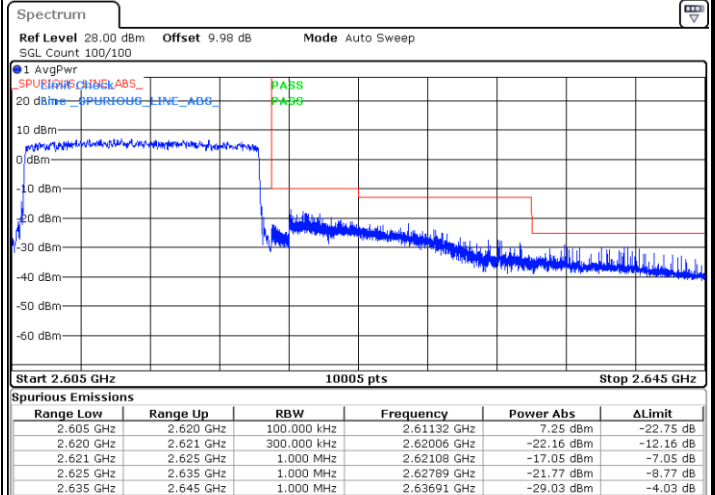
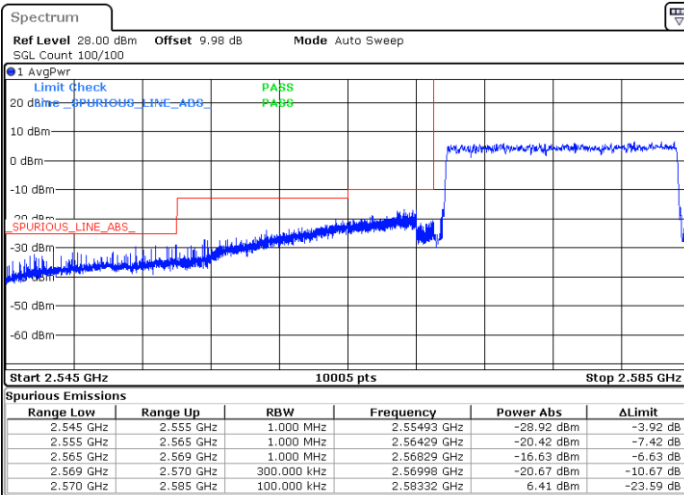


Date: 9.DEC.2021 22:31:11

Date: 9.DEC.2021 22:42:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



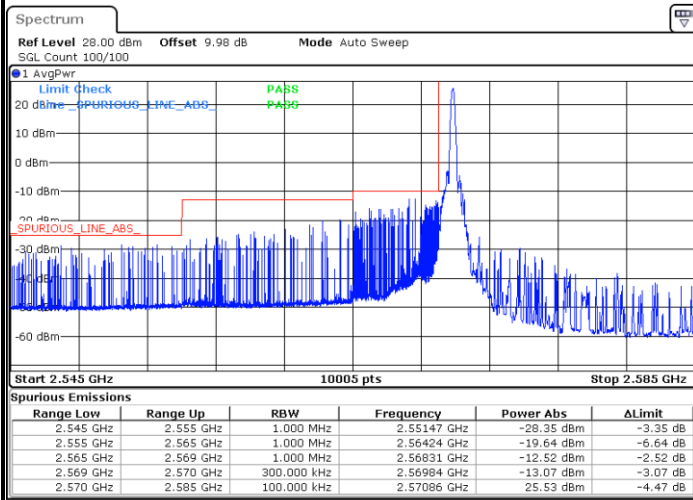
Date: 9.DEC.2021 22:35:02

Date: 9.DEC.2021 22:38:53



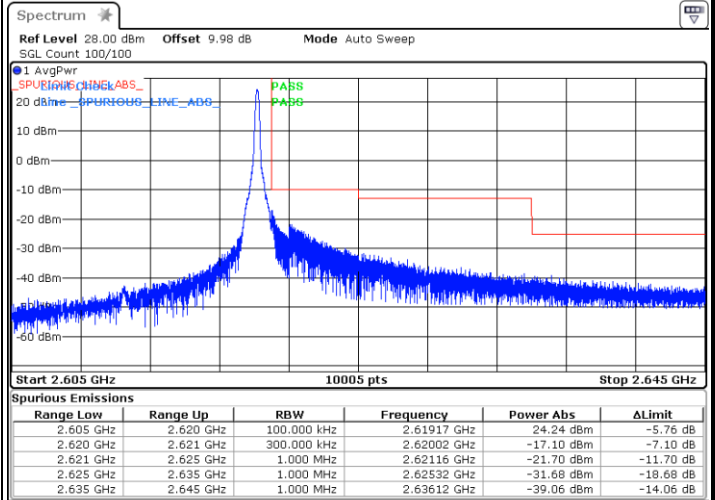
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



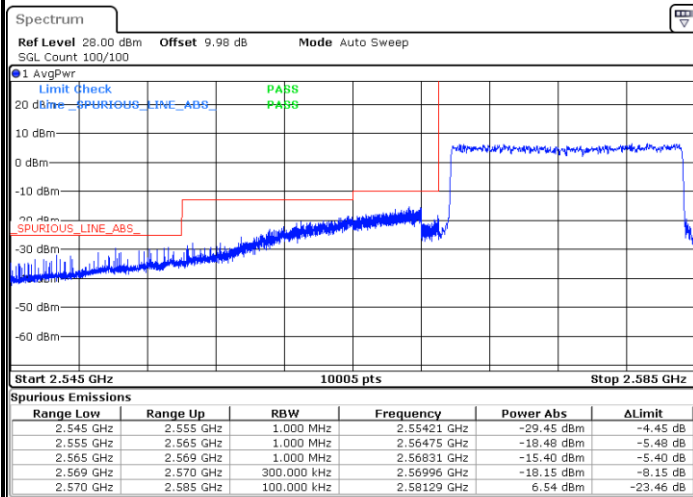
Date: 9.DEC.2021 22:33:07

Highest Band Edge / 1 RB



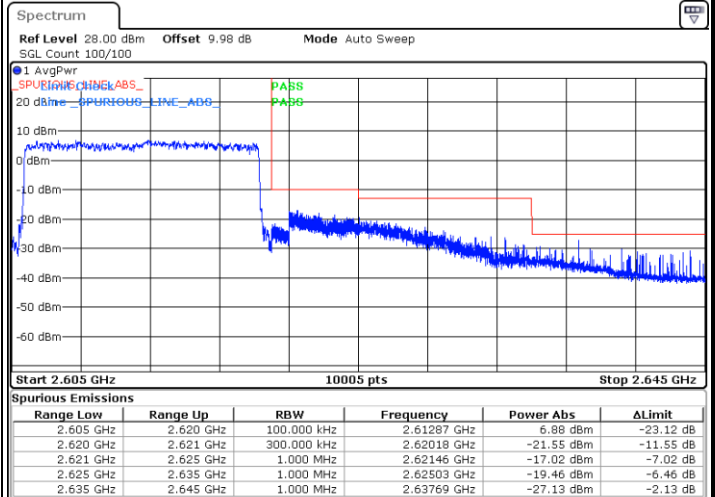
Date: 10.DEC.2021 03:47:40

Lowest Band Edge / Full RB



Date: 9.DEC.2021 22:36:58

Highest Band Edge / Full RB

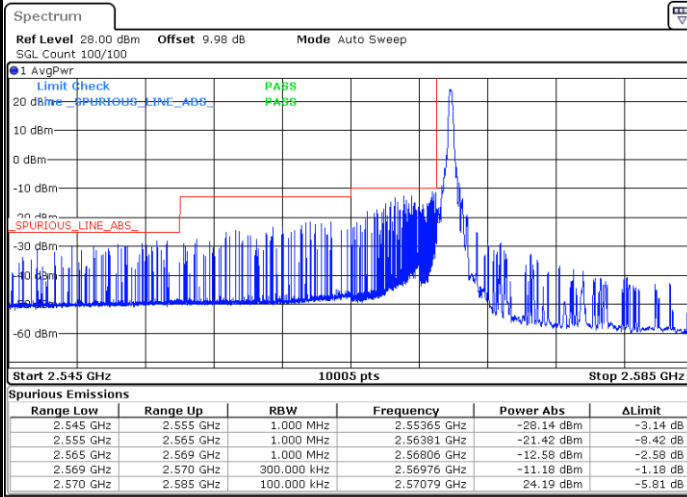


Date: 9.DEC.2021 22:40:49



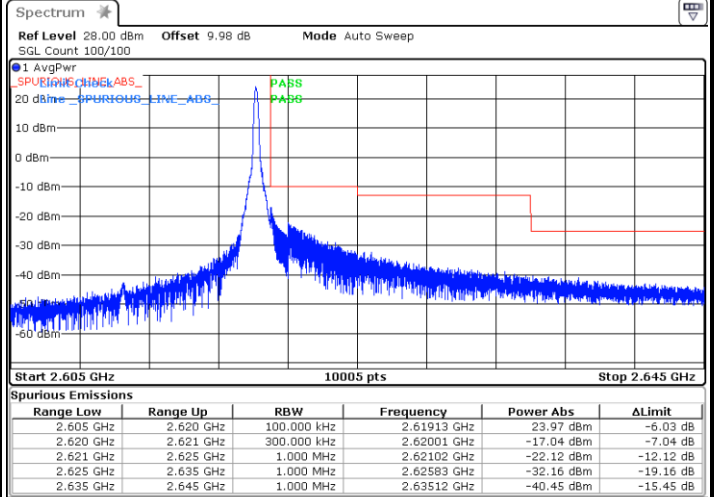
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



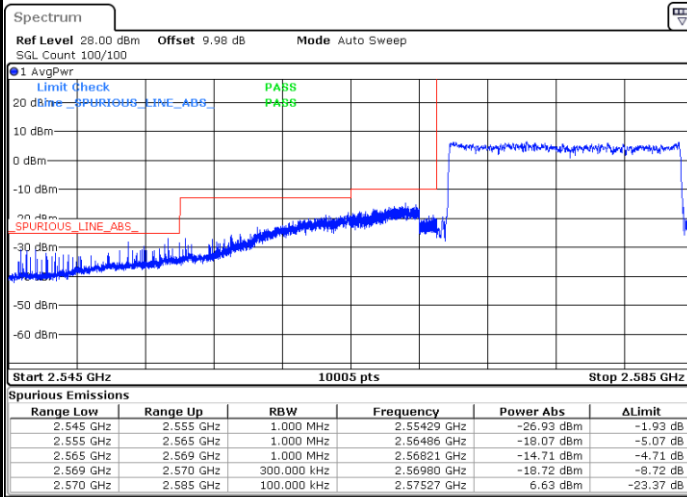
Date: 9.DEC.2021 22:46:36

Highest Band Edge / 1 RB



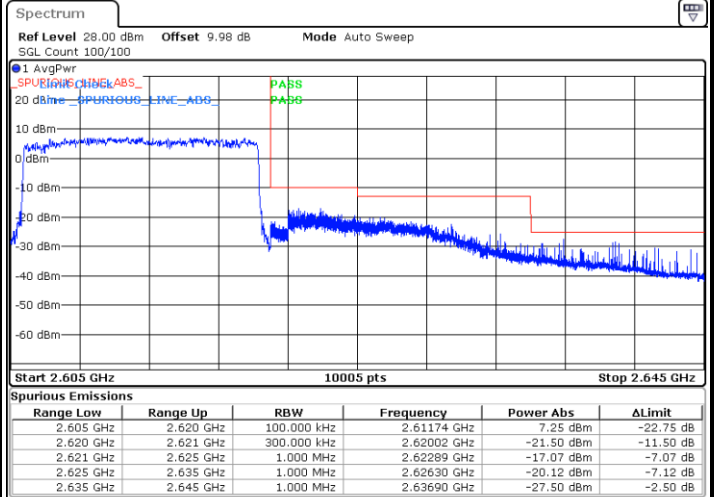
Date: 10.DEC.2021 03:42:05

Lowest Band Edge / Full RB



Date: 9.DEC.2021 22:48:44

Highest Band Edge / Full RB

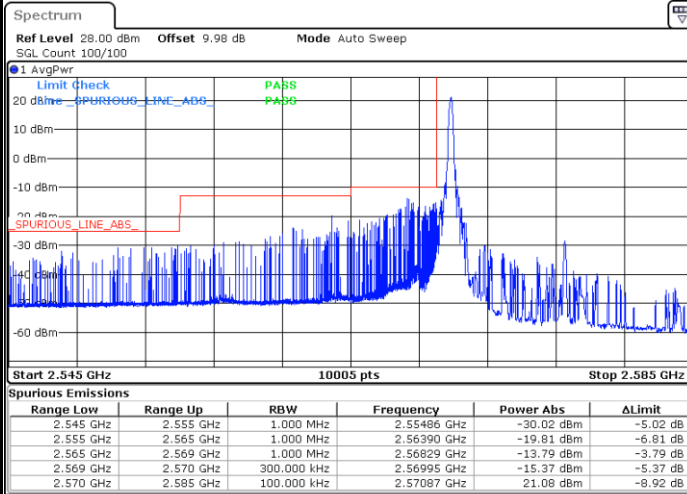


Date: 9.DEC.2021 22:50:40



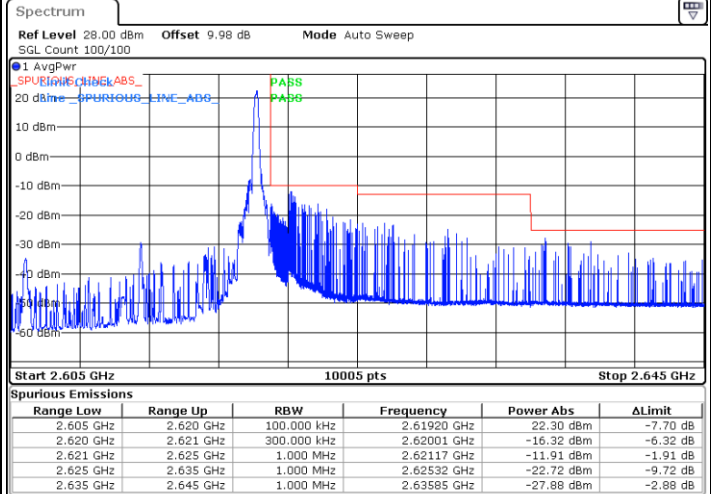
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / 1RB



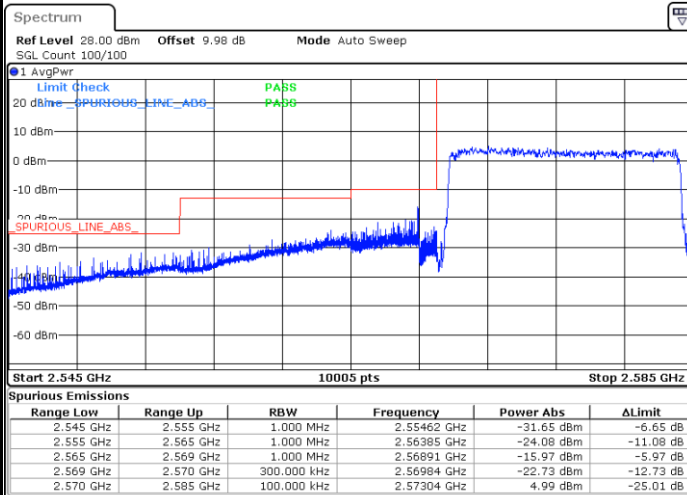
Date: 10. DEC. 2021 05:12:47

Highest Band Edge / 1 RB



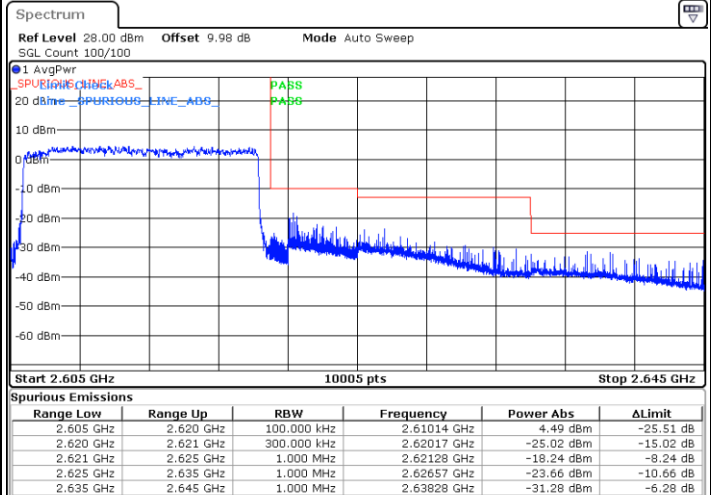
Date: 10. DEC. 2021 05:14:31

Lowest Band Edge / Full RB



Date: 10. DEC. 2021 05:10:55

Highest Band Edge / Full RB



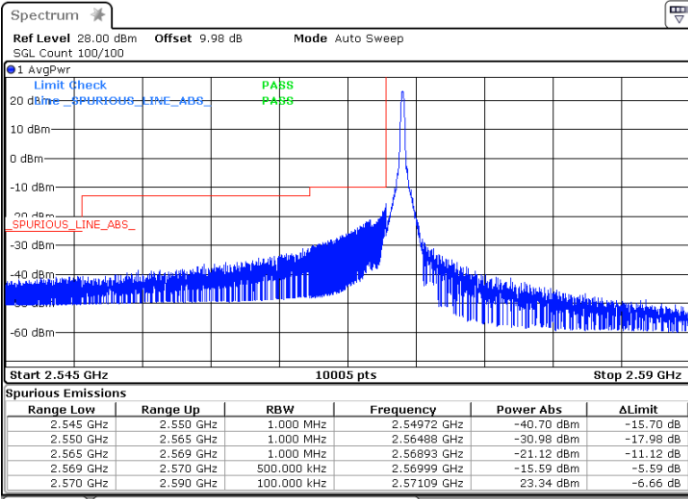
Date: 10. DEC. 2021 05:15:31



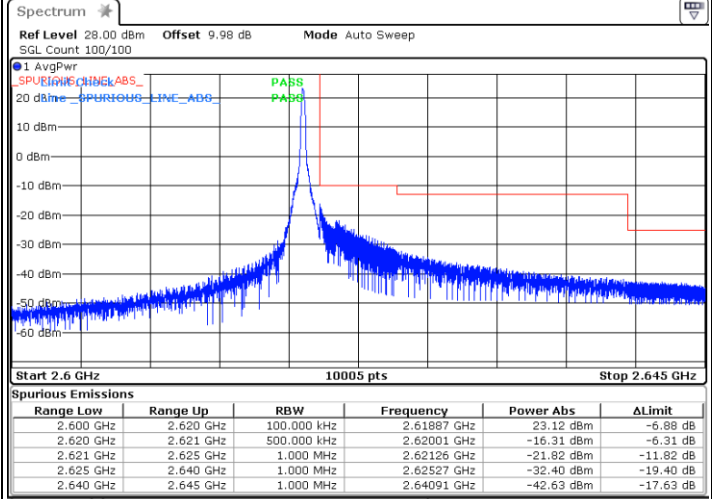
LTE Band 38/ 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



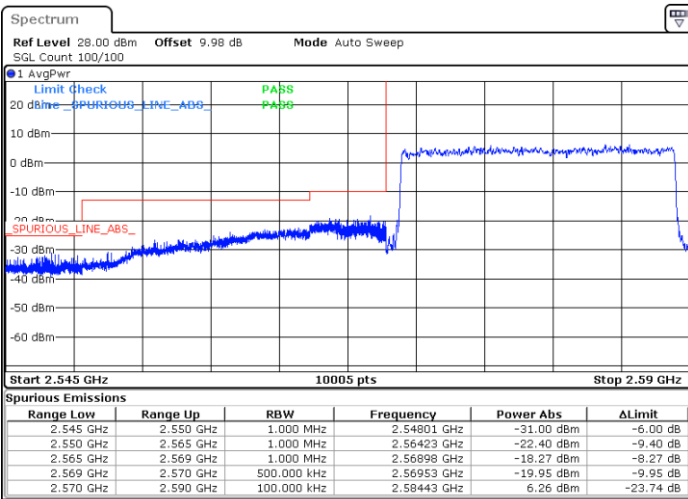
Date: 10. DEC. 2021 03:57:19



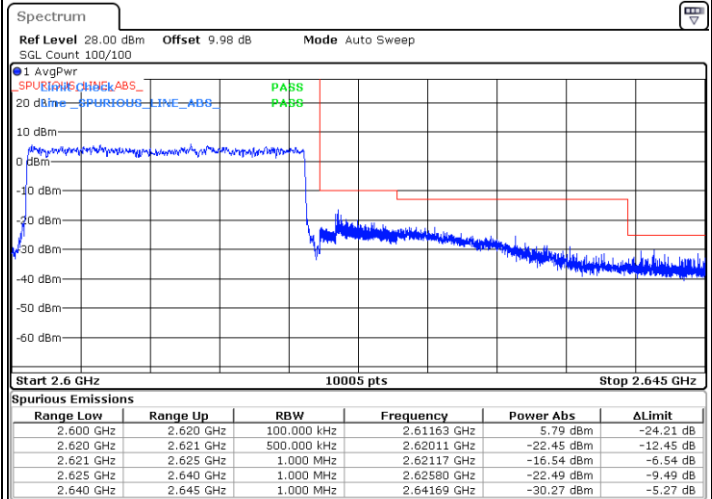
Date: 10. DEC. 2021 04:00:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9. DEC. 2021 22:58:23



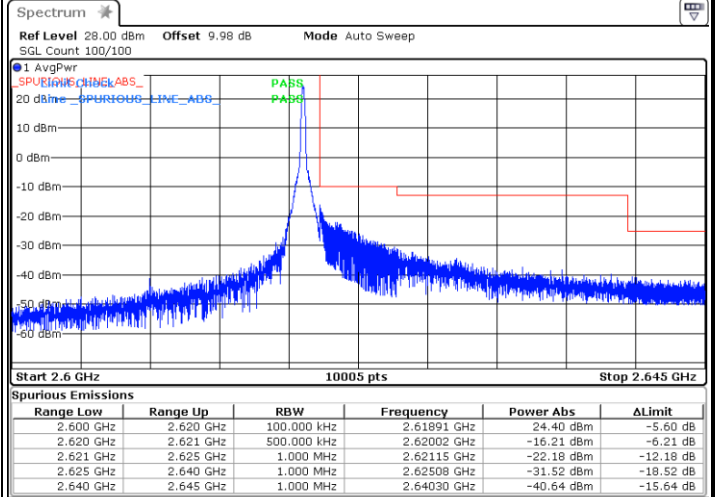
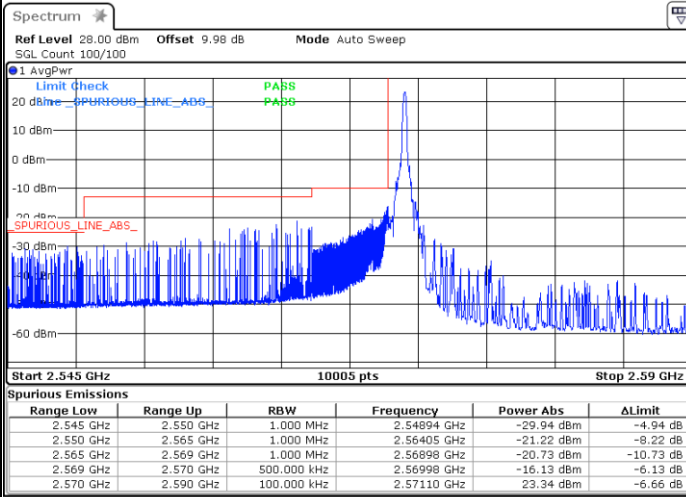
Date: 9. DEC. 2021 23:02:13



LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

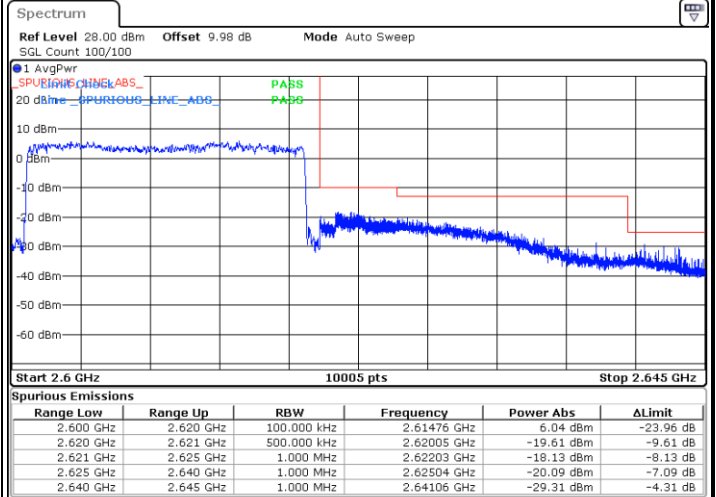
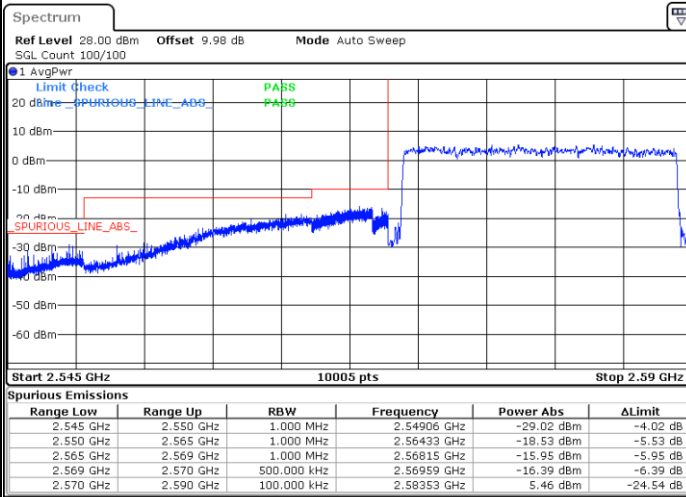


Date: 10.DEC.2021 03:51:43

Date: 10.DEC.2021 04:03:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



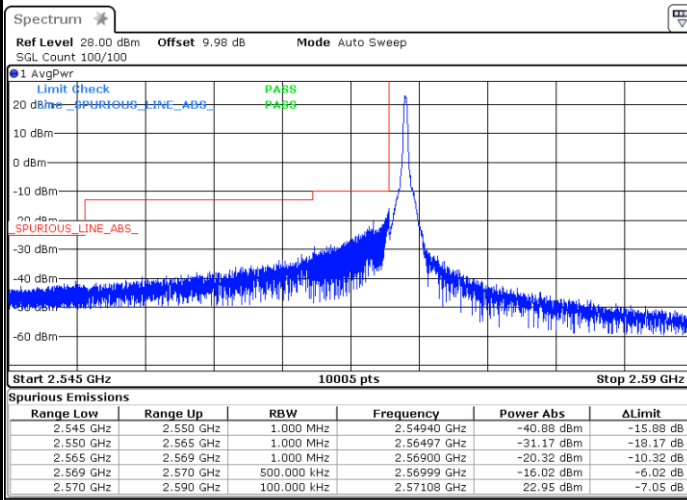
Date: 9.DEC.2021 23:00:18

Date: 9.DEC.2021 23:04:09



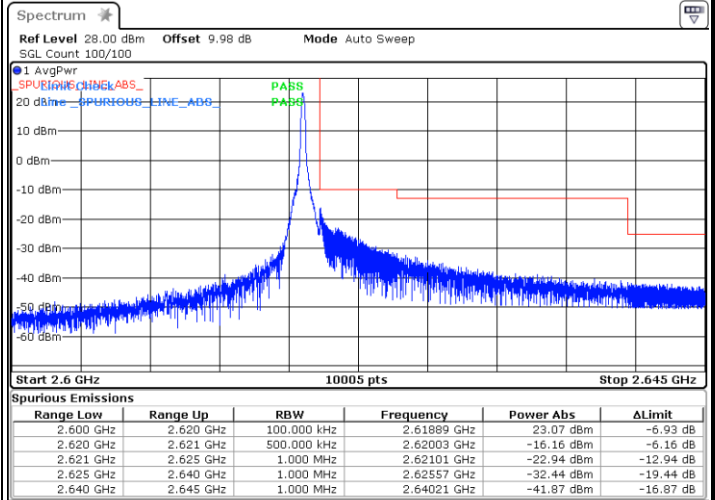
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



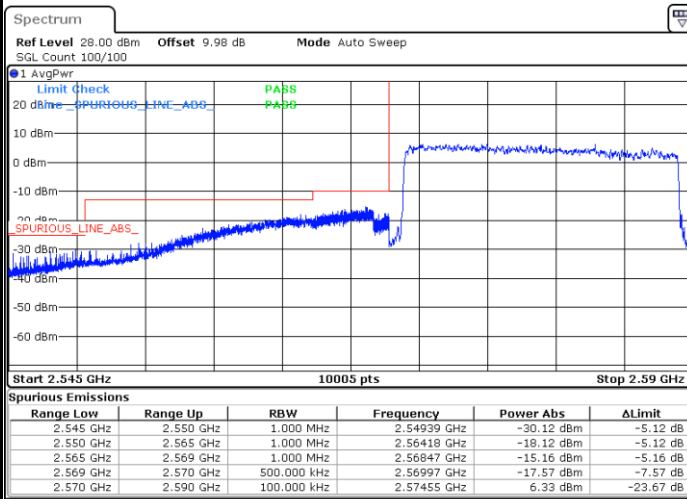
Date: 10.DEC.2021 03:54:58

Highest Band Edge / 1 RB



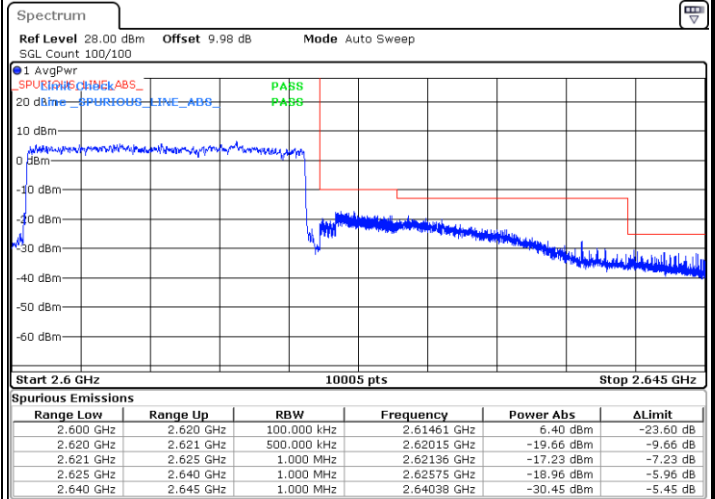
Date: 10.DEC.2021 04:11:06

Lowest Band Edge / Full RB



Date: 9.DEC.2021 23:11:50

Highest Band Edge / Full RB



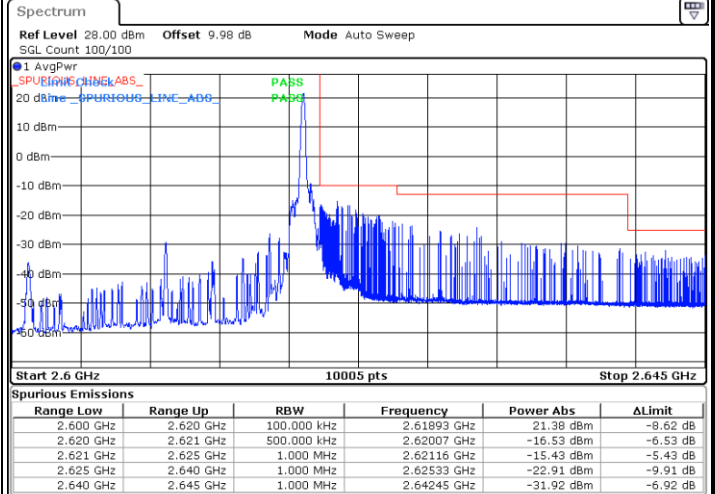
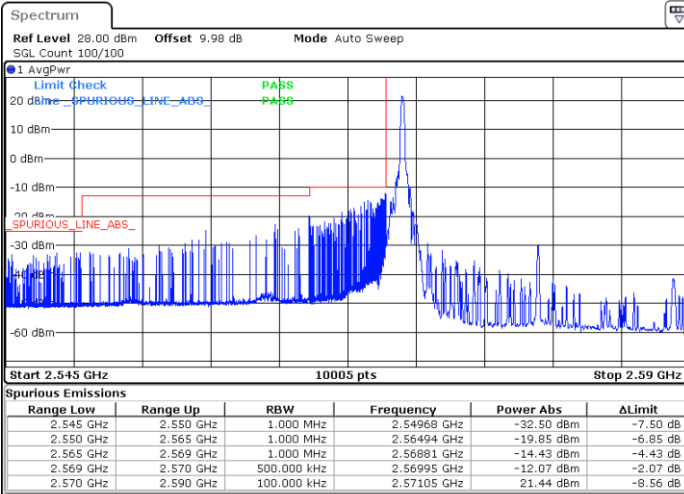
Date: 9.DEC.2021 23:13:45



LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

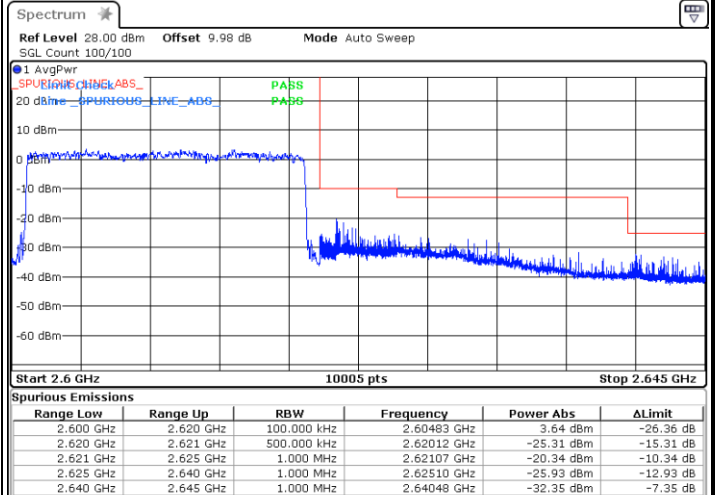
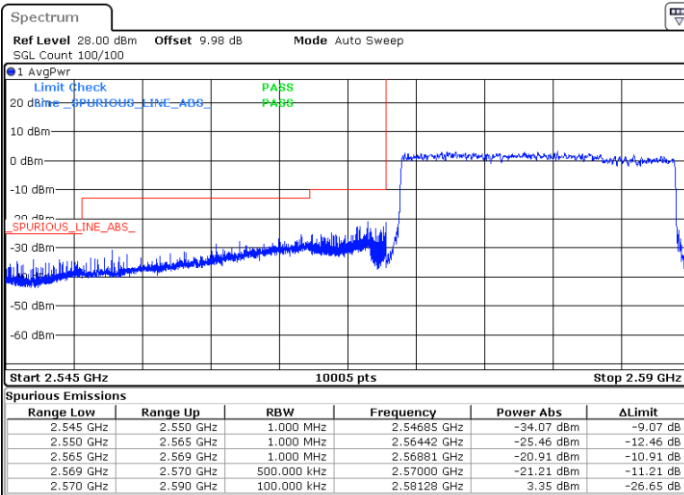


Date: 10. DEC. 2021 04:58:36

Date: 10. DEC. 2021 05:08:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10. DEC. 2021 04:57:36

Date: 10. DEC. 2021 05:08:05



Conducted Spurious Emission

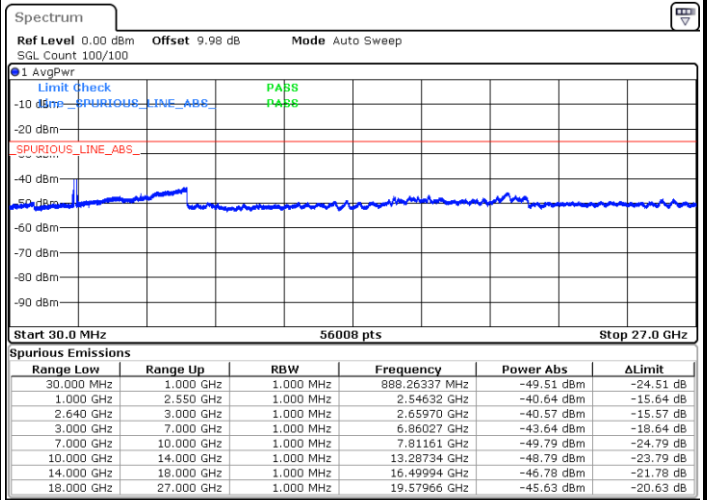
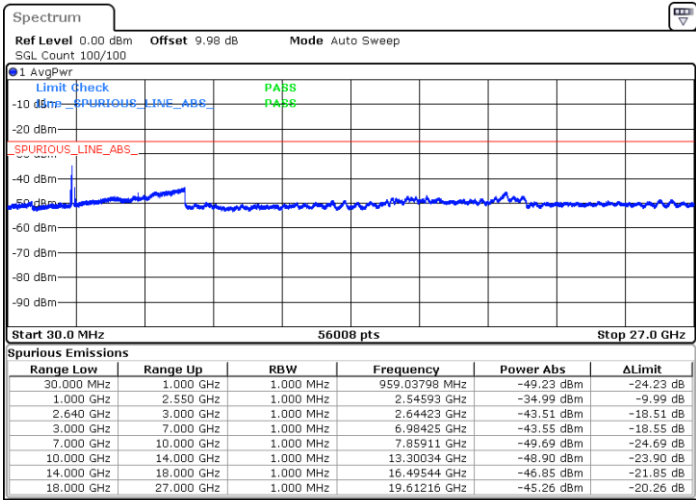




LTE Band 38 / 10MHz

Lowest Channel / QPSK

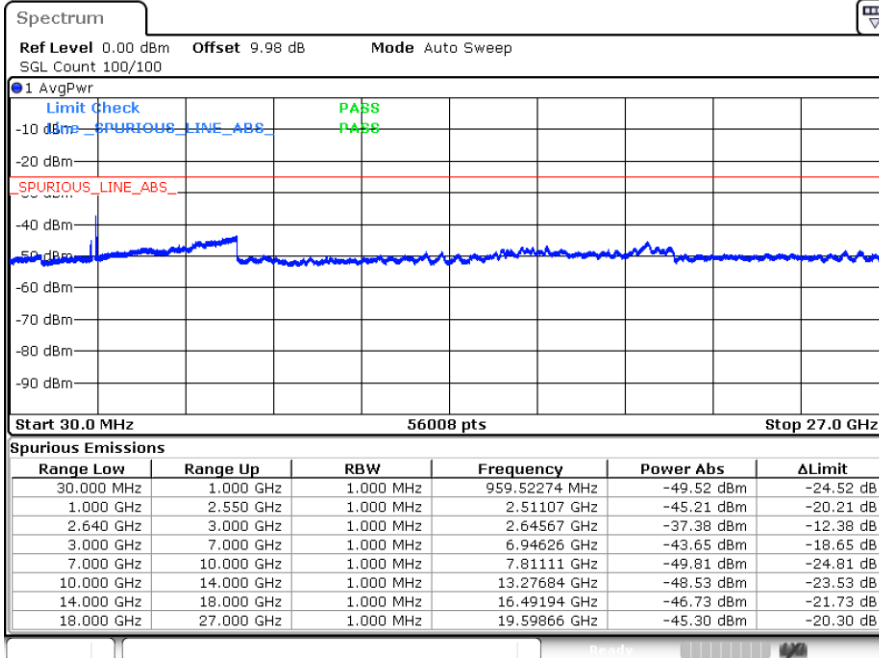
Middle Channel / QPSK



Date: 9.DEC.2021 23:27:51

Date: 9.DEC.2021 23:30:52

Highest Channel / QPSK



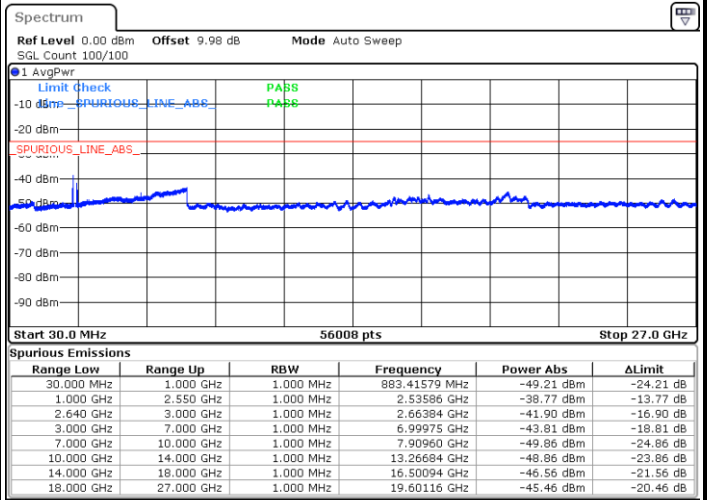
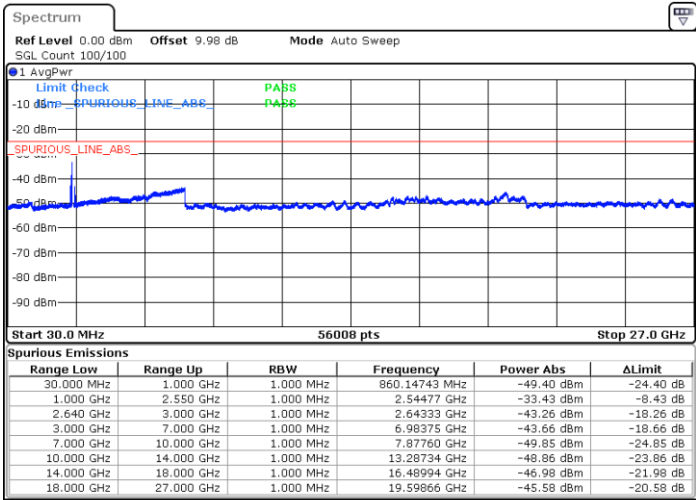
Date: 9.DEC.2021 23:33:56



LTE Band 38 / 15MHz

Lowest Channel / QPSK

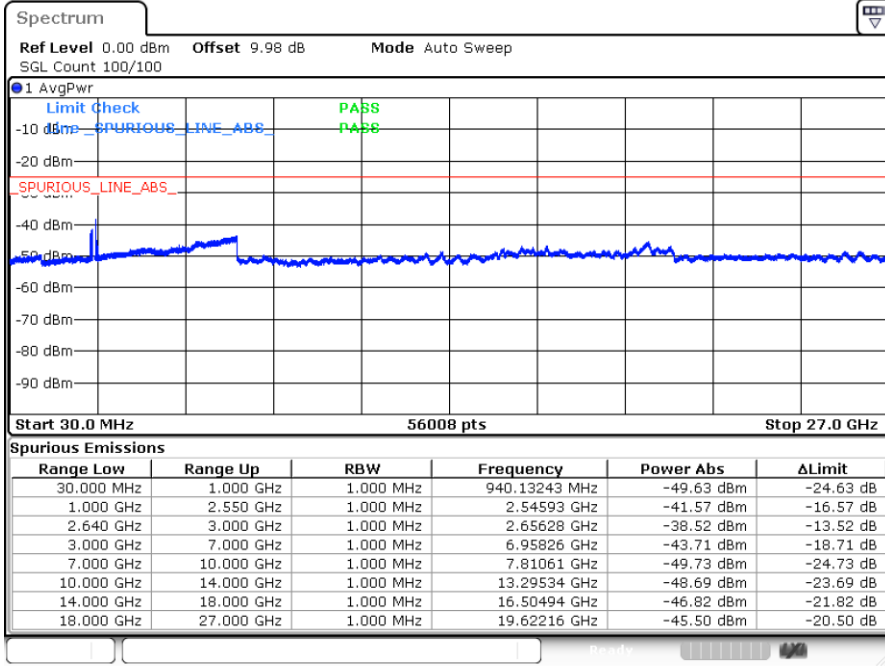
Middle Channel / QPSK



Date: 9.DEC.2021 23:36:59

Date: 9.DEC.2021 23:40:02

Highest Channel / QPSK



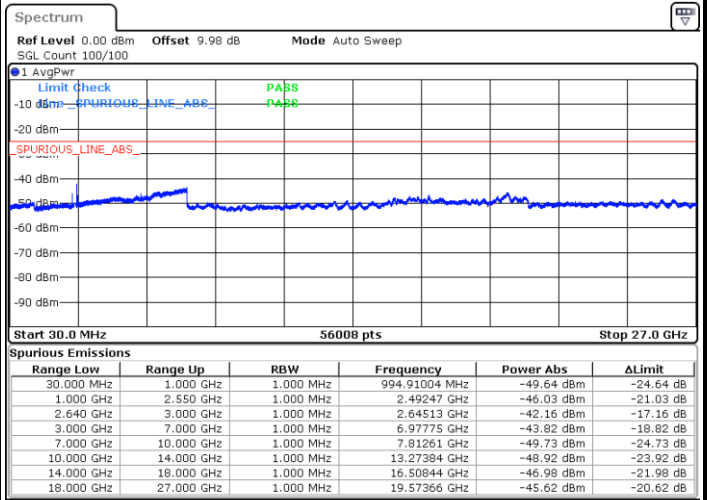
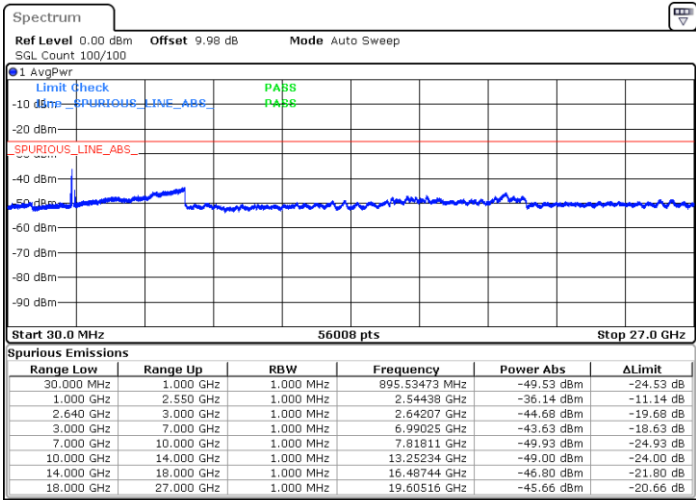
Date: 9.DEC.2021 23:43:04



LTE Band 38 / 20MHz

Lowest Channel / QPSK

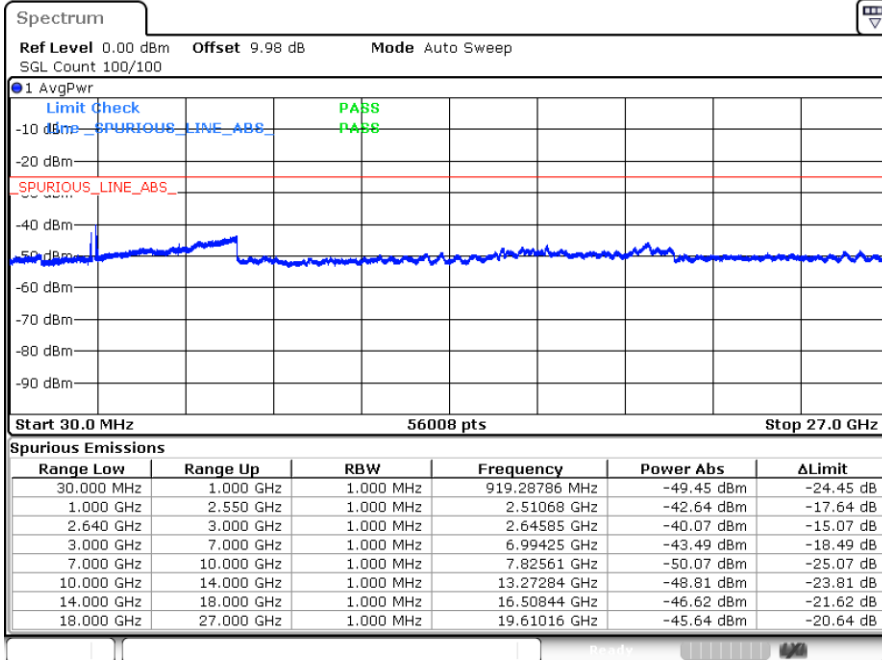
Middle Channel / QPSK



Date: 9.DEC.2021 23:46:06

Date: 9.DEC.2021 23:49:09

Highest Channel / QPSK



Date: 9.DEC.2021 23:52:16



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0016	

Note:

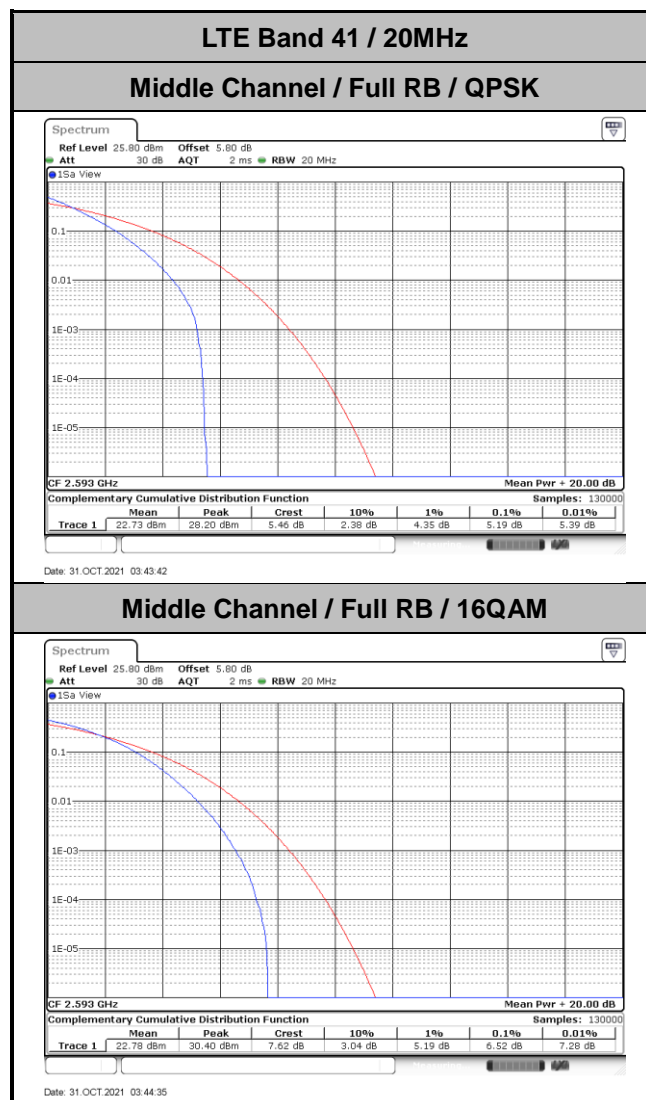
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

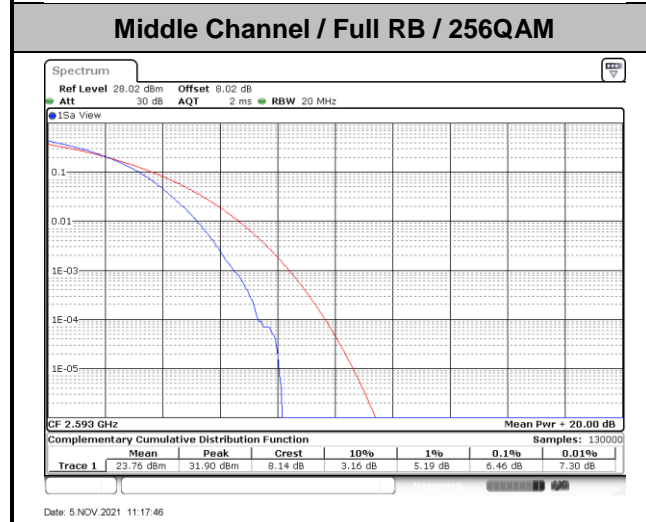
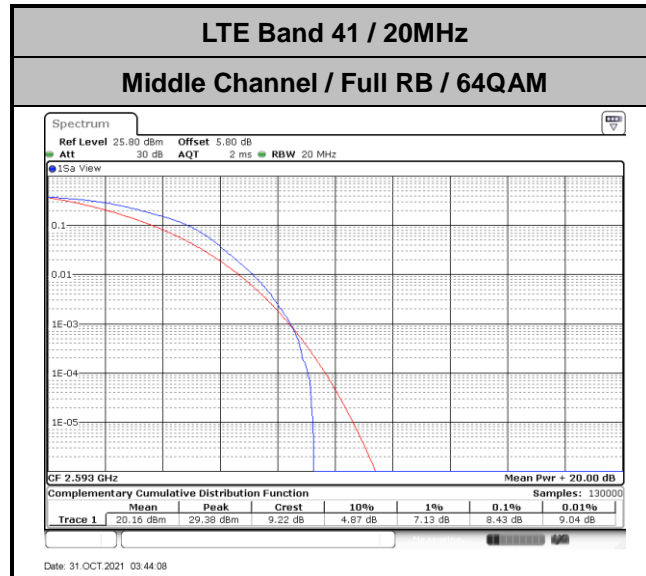


LTE Band 41

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	5.19	6.52	8.43	6.46	PASS

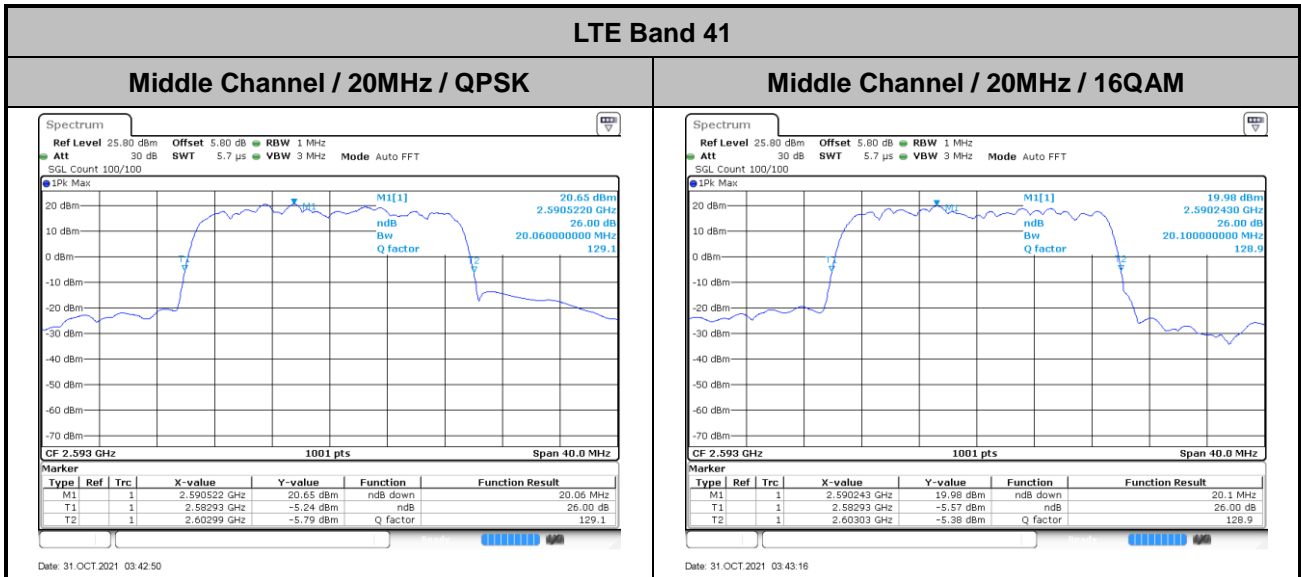






26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.06	20.10





Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.50	18.42

