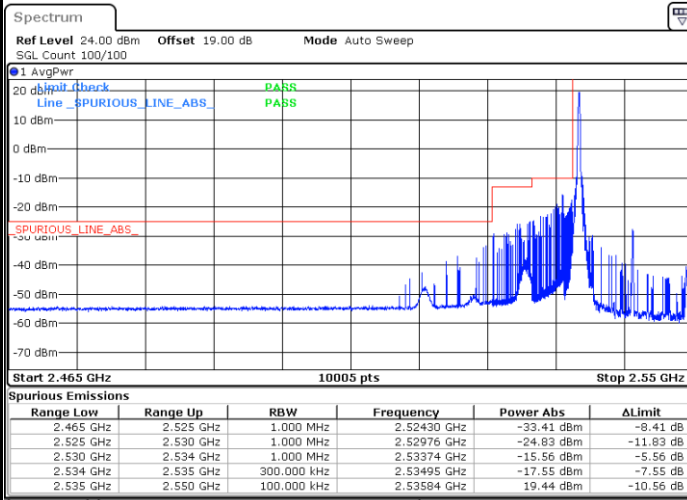




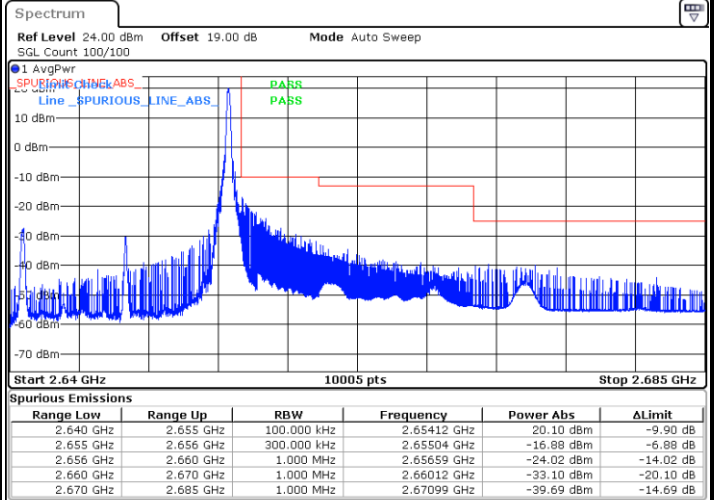
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



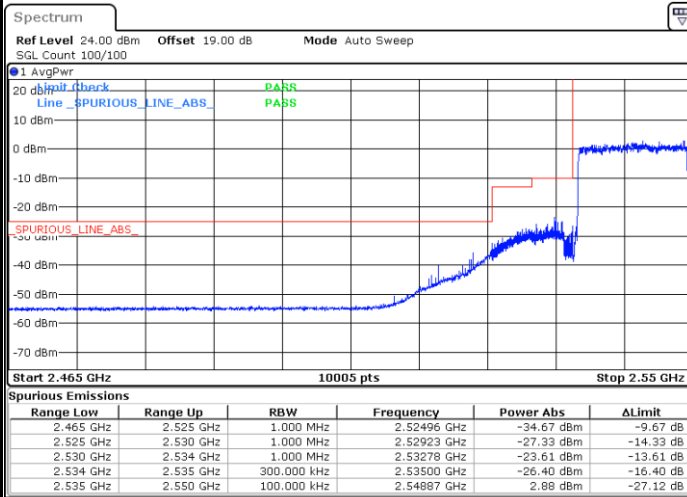
Date: 9.FEB.2021 10:35:24

Highest Band Edge / 1 RB



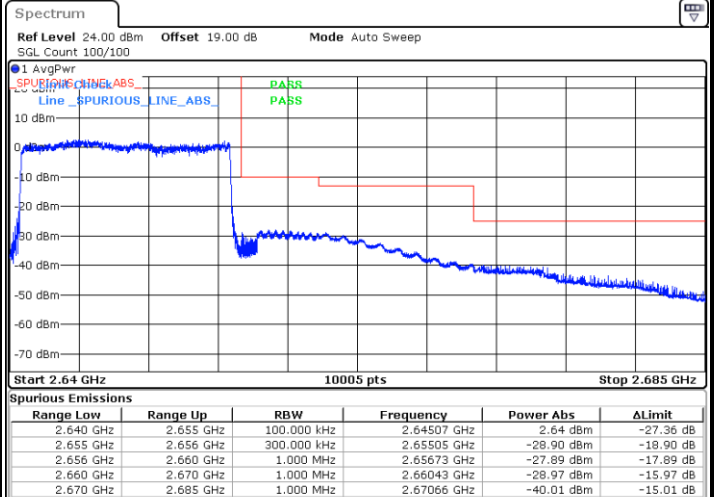
Date: 9.FEB.2021 10:39:01

Lowest Band Edge / Full RB



Date: 9.FEB.2021 10:34:40

Highest Band Edge / Full RB

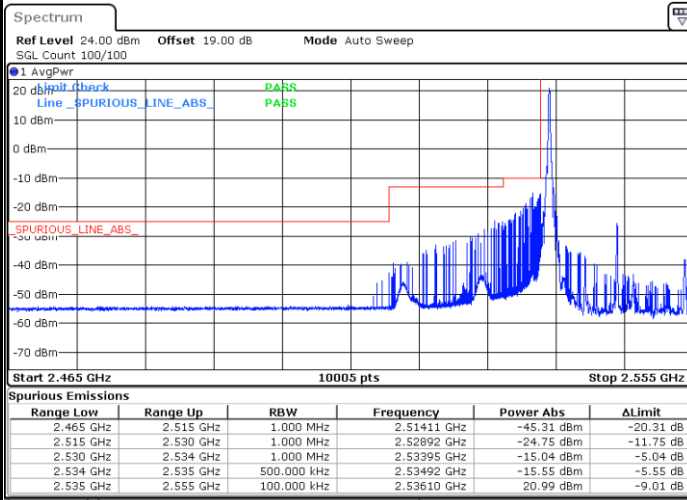


Date: 9.FEB.2021 10:39:44



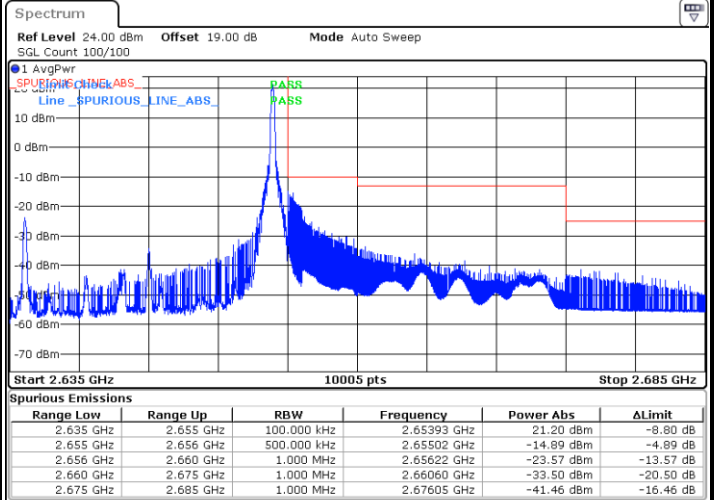
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



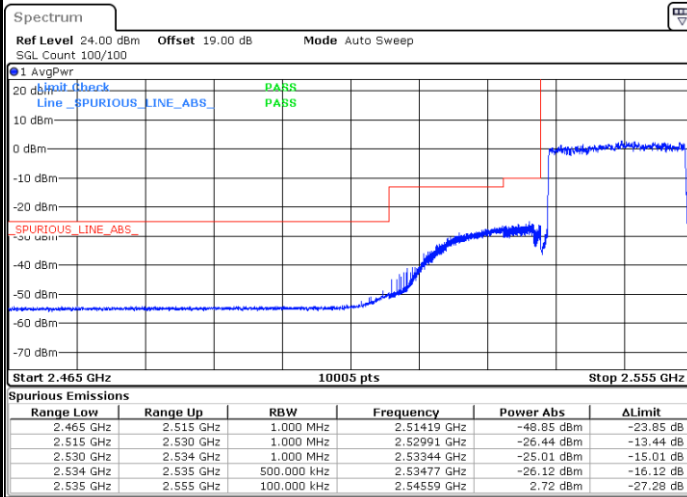
Date: 9.FEB.2021 10:23:36

Highest Band Edge / 1 RB



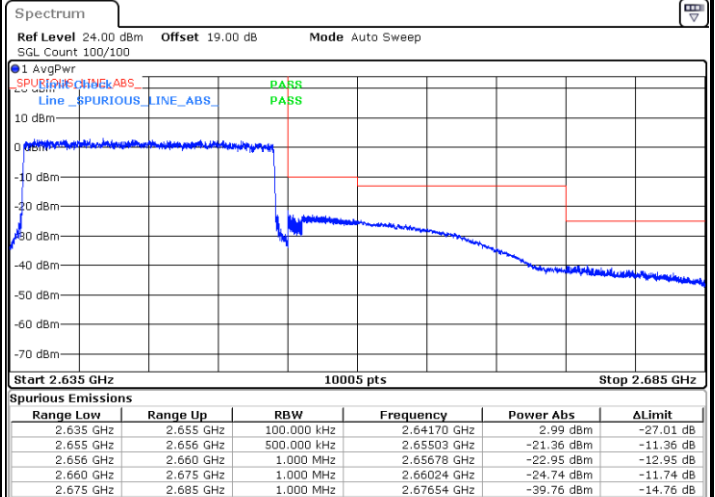
Date: 9.FEB.2021 13:37:11

Lowest Band Edge / Full RB



Date: 9.FEB.2021 10:19:19

Highest Band Edge / Full RB

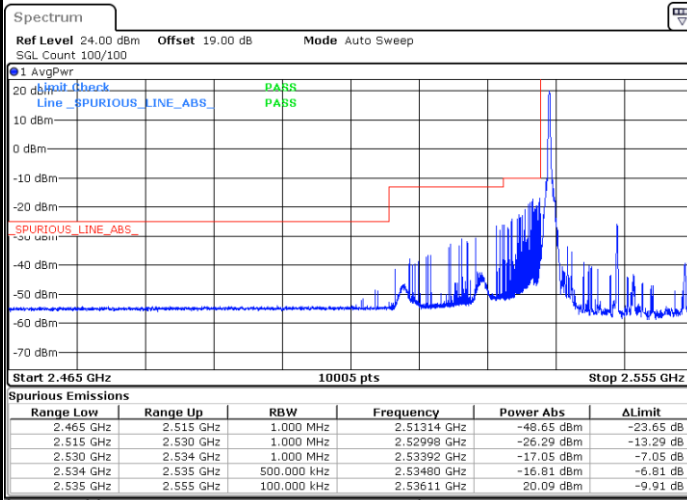


Date: 9.FEB.2021 10:27:56



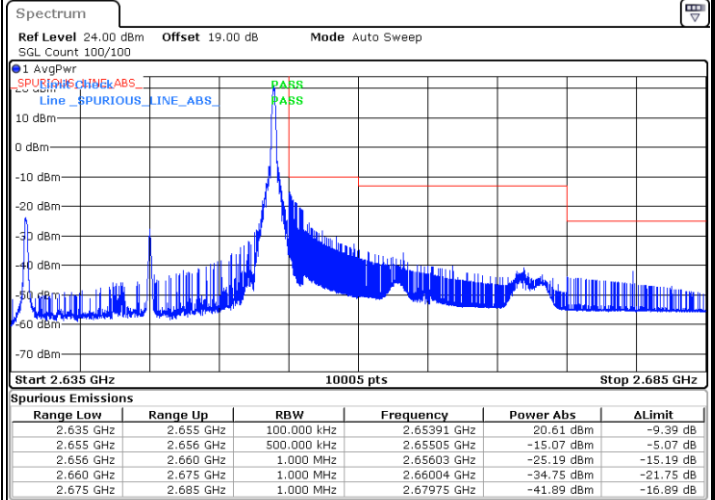
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



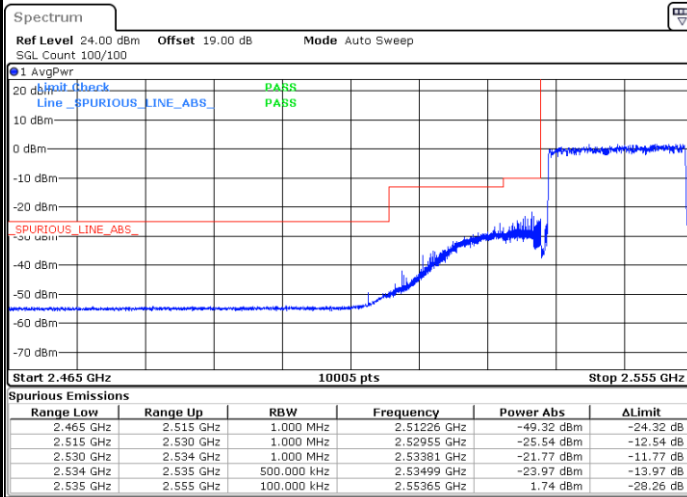
Date: 9.FEB.2021 10:22:53

Highest Band Edge / 1 RB



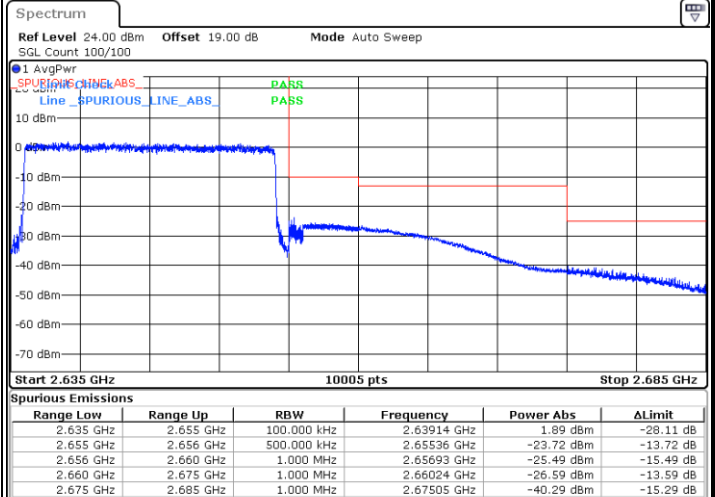
Date: 9.FEB.2021 10:25:03

Lowest Band Edge / Full RB



Date: 9.FEB.2021 10:20:03

Highest Band Edge / Full RB

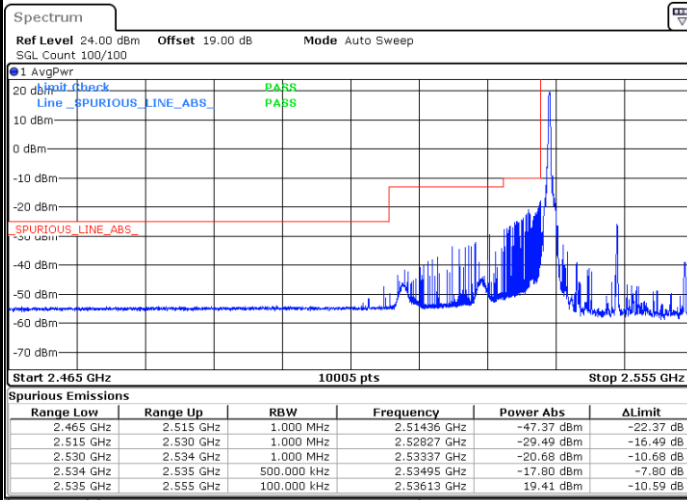


Date: 9.FEB.2021 10:27:13



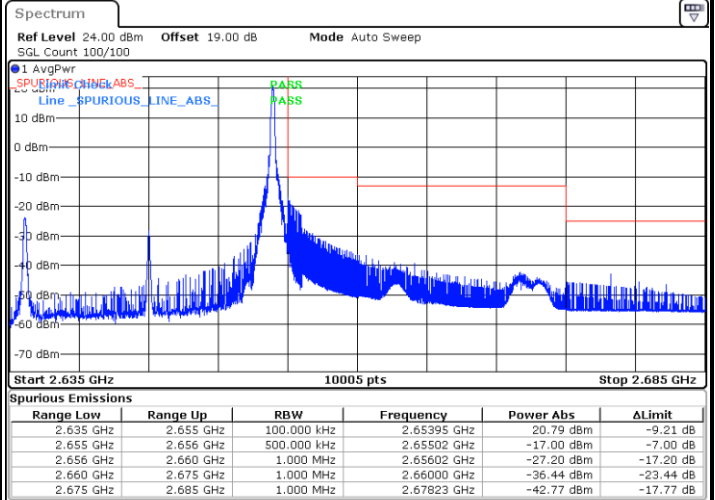
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



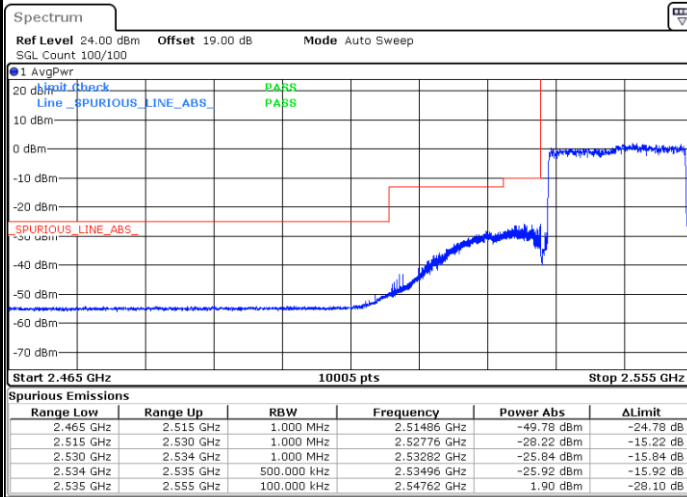
Date: 9.FEB.2021 10:22:09

Highest Band Edge / 1 RB



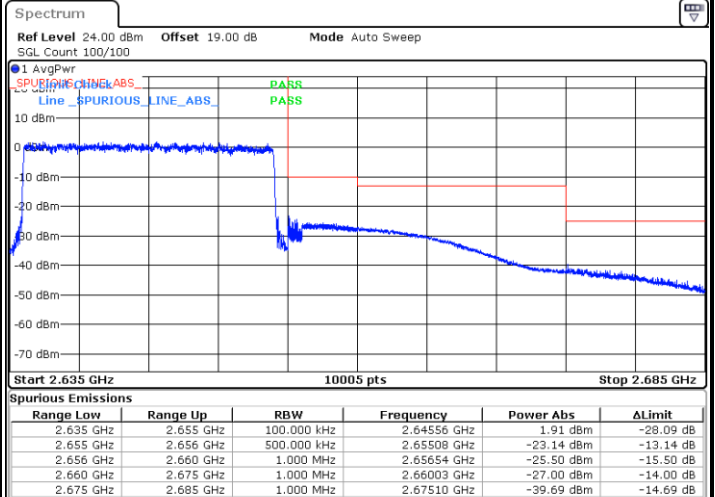
Date: 9.FEB.2021 10:25:46

Lowest Band Edge / Full RB



Date: 9.FEB.2021 10:21:26

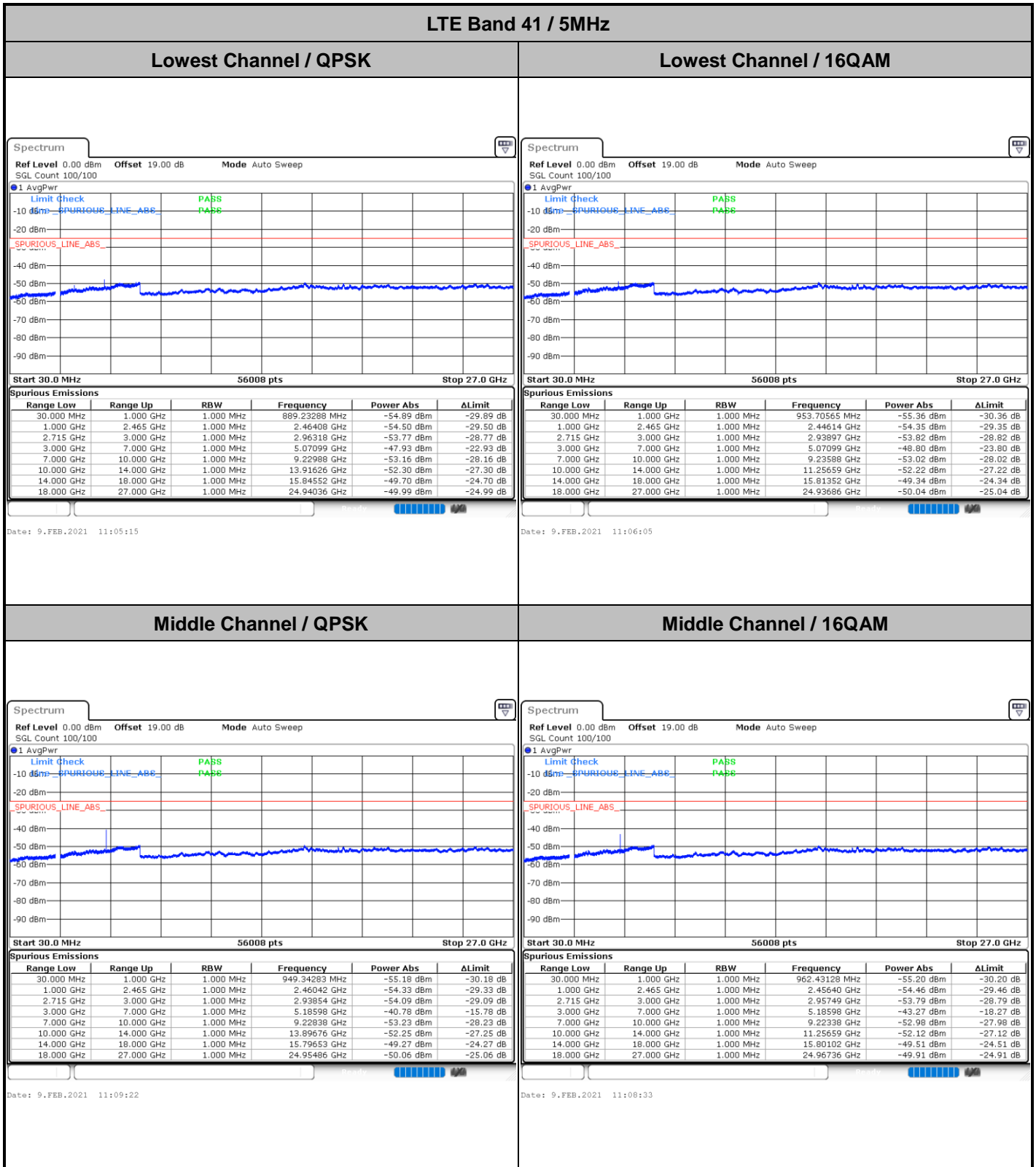
Highest Band Edge / Full RB



Date: 9.FEB.2021 10:26:29



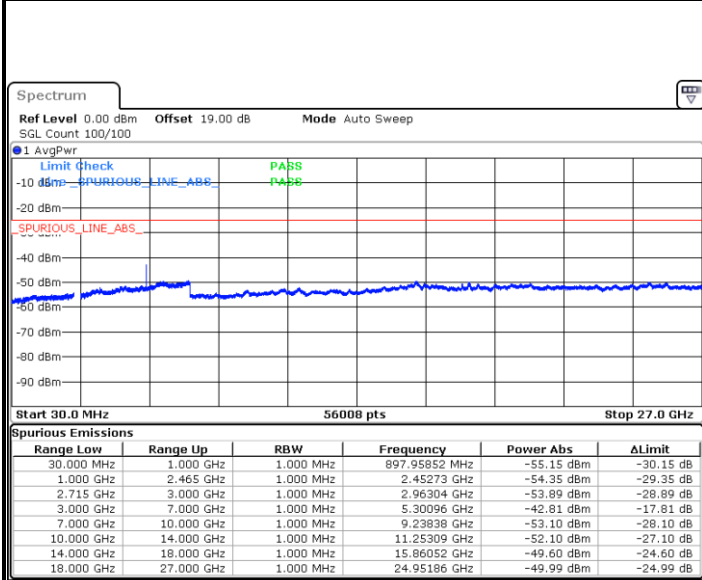
# Conducted Spurious Emission





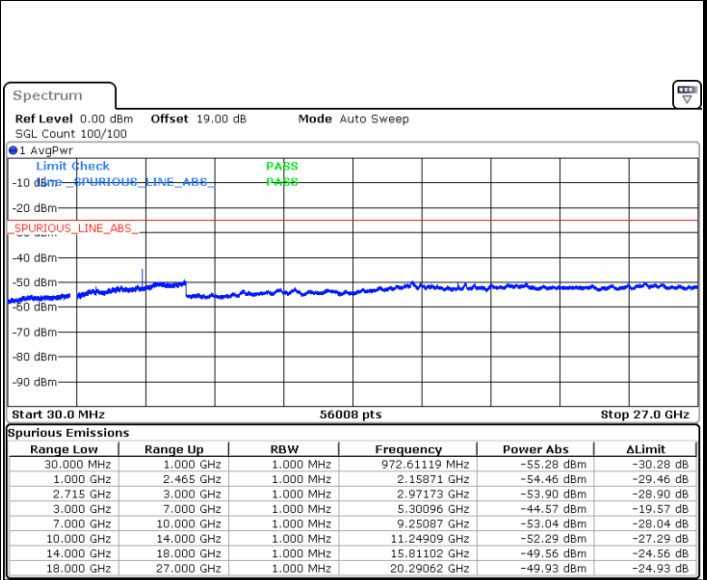
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 9.FEB.2021 11:10:11

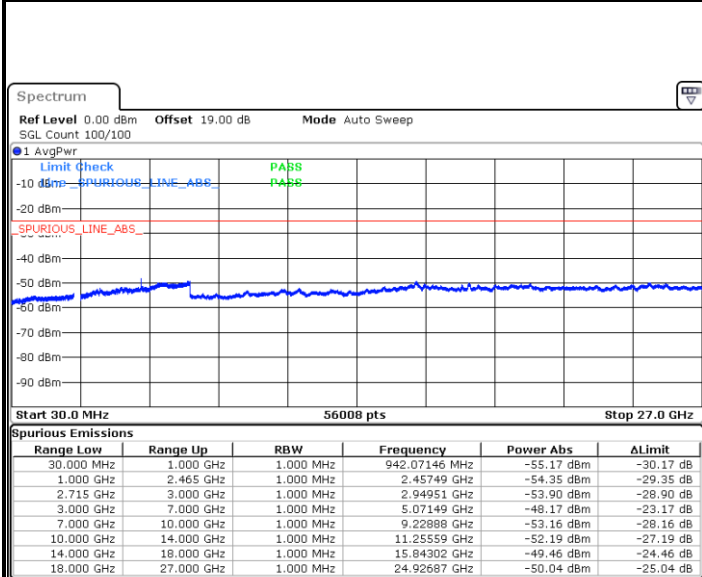
Highest Channel / 16QAM



Date: 9.FEB.2021 11:11:00

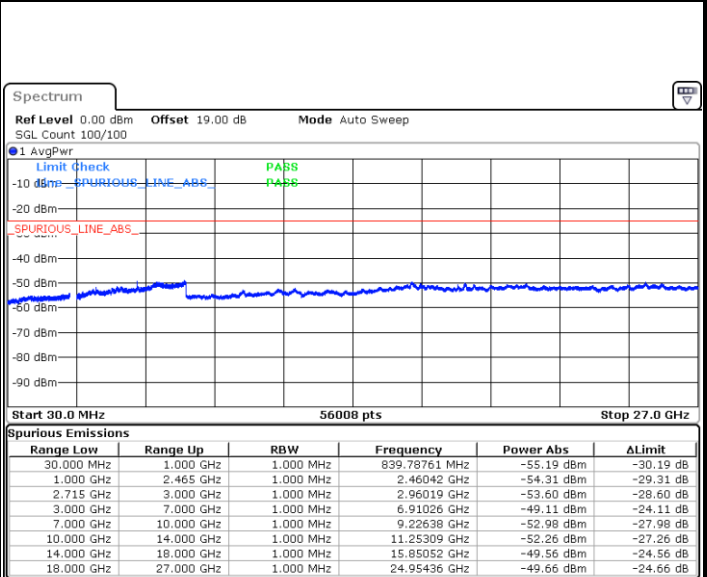
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 9.FEB.2021 11:12:39

Lowest Channel / 16QAM



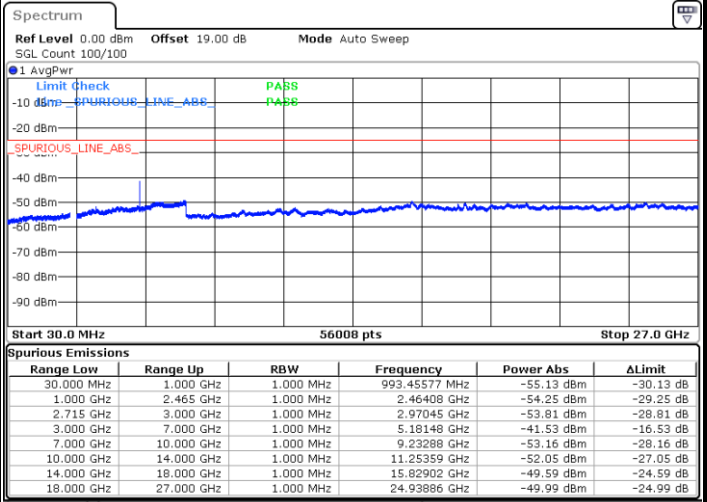
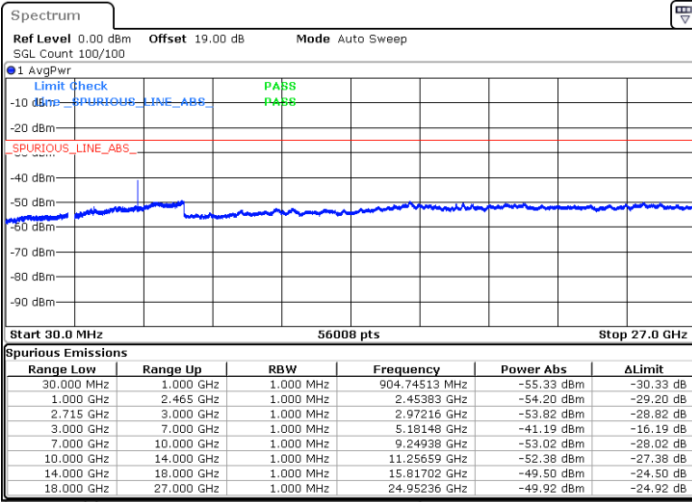
Date: 9.FEB.2021 11:13:28



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

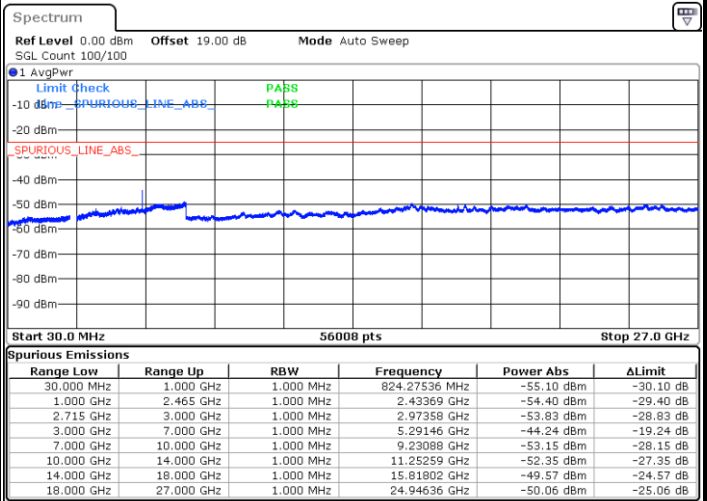
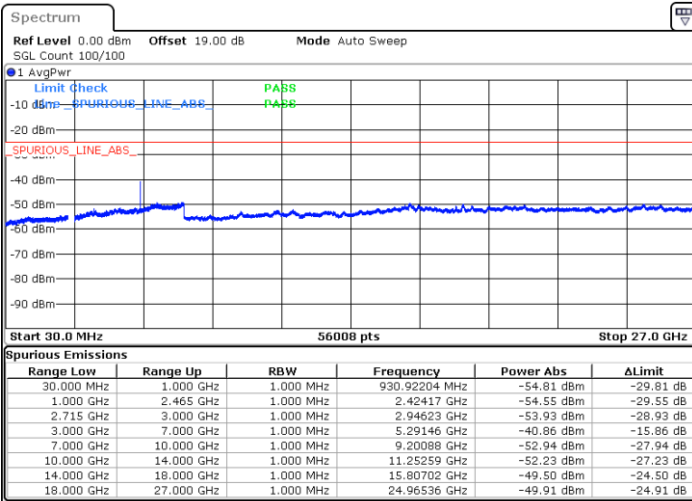


Date: 9.FEB.2021 11:16:45

Date: 9.FEB.2021 11:15:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9.FEB.2021 11:17:35

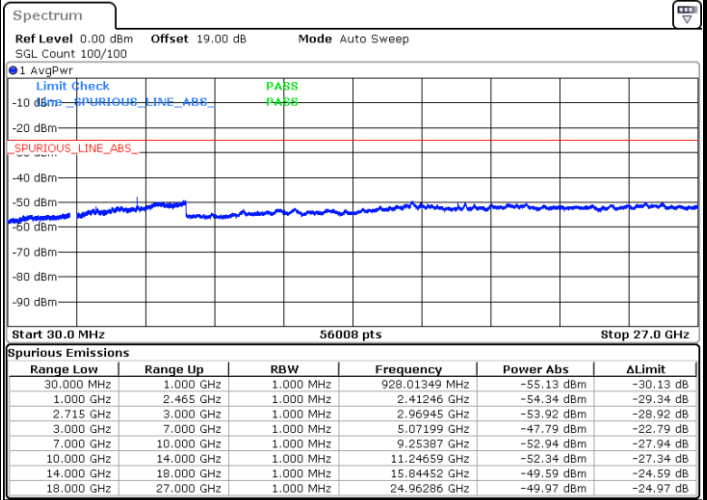
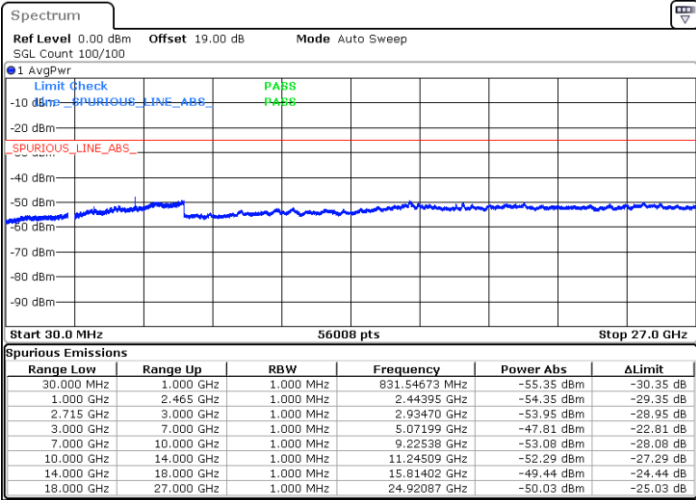
Date: 9.FEB.2021 11:18:24



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

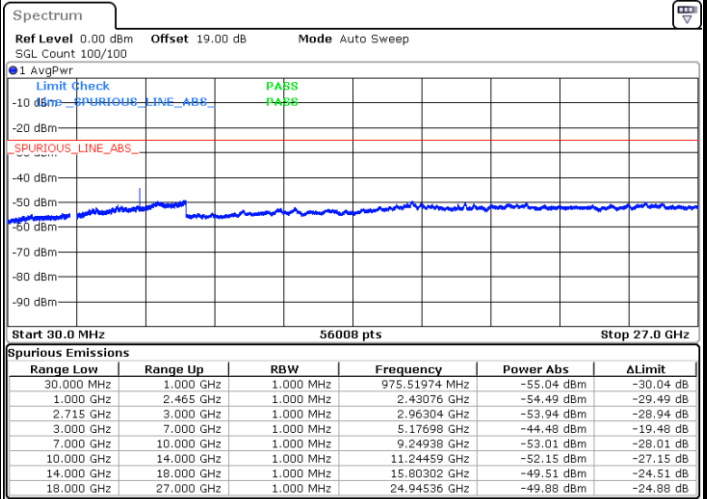
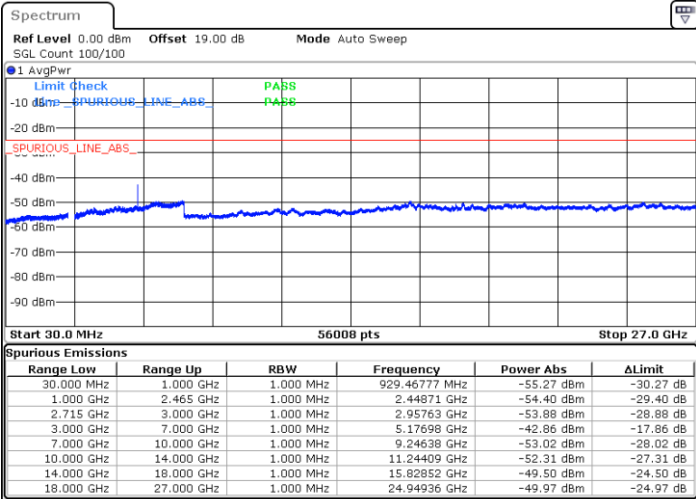


Date: 9.FEB.2021 11:20:02

Date: 9.FEB.2021 11:20:52

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 9.FEB.2021 11:24:09

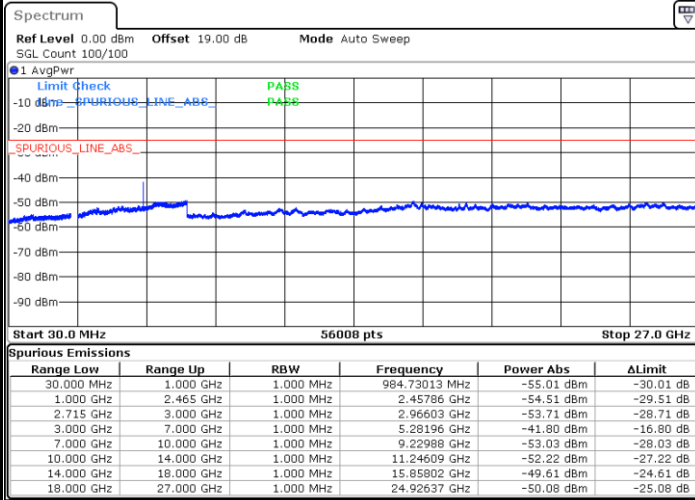
Date: 9.FEB.2021 11:23:19





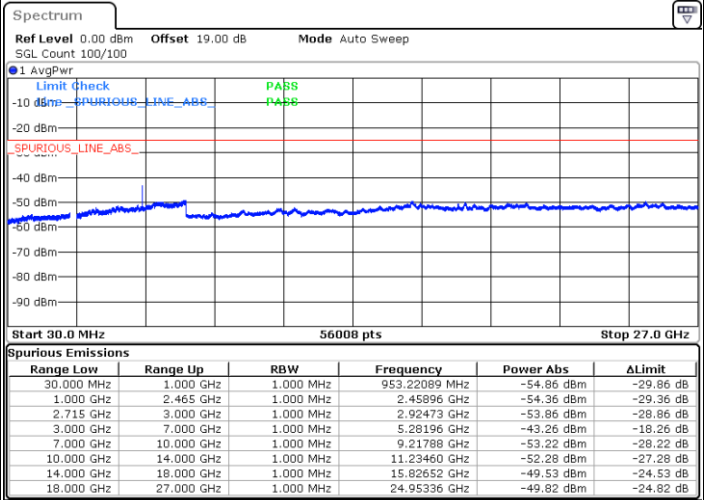
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 9.FEB.2021 11:24:58

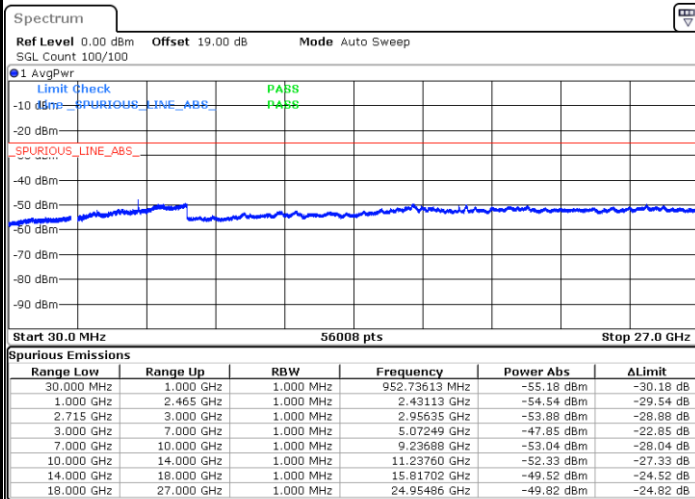
Highest Channel / 16QAM



Date: 9.FEB.2021 11:25:47

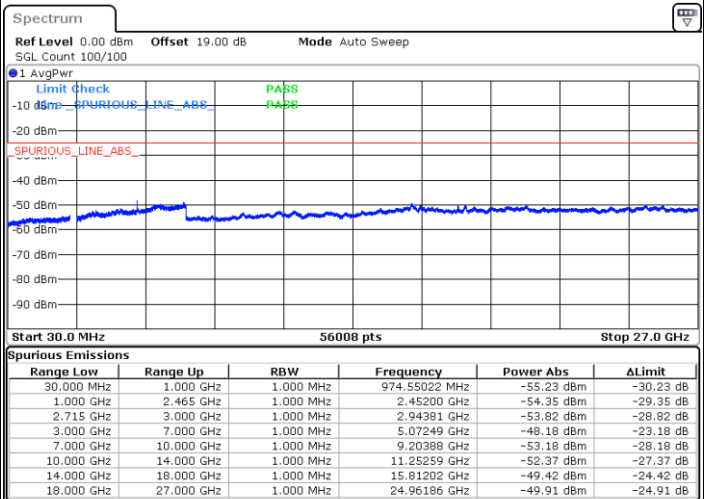
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 9.FEB.2021 11:27:26

Lowest Channel / 16QAM



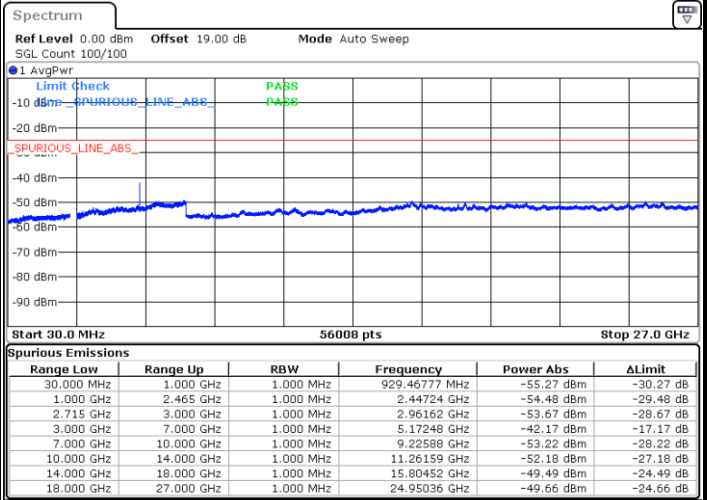
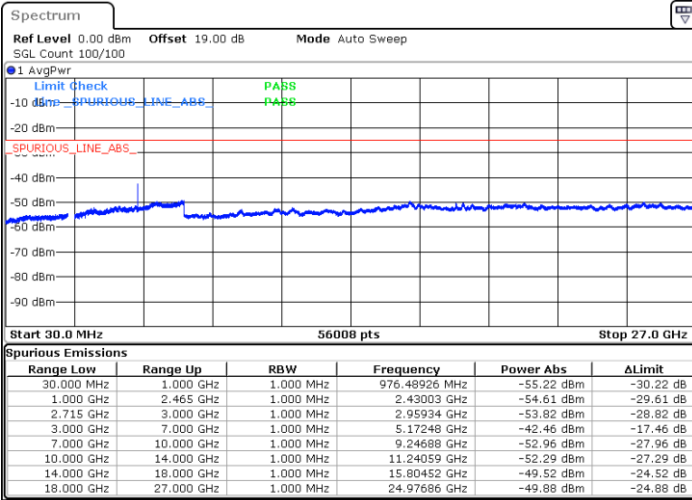
Date: 9.FEB.2021 11:28:15



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

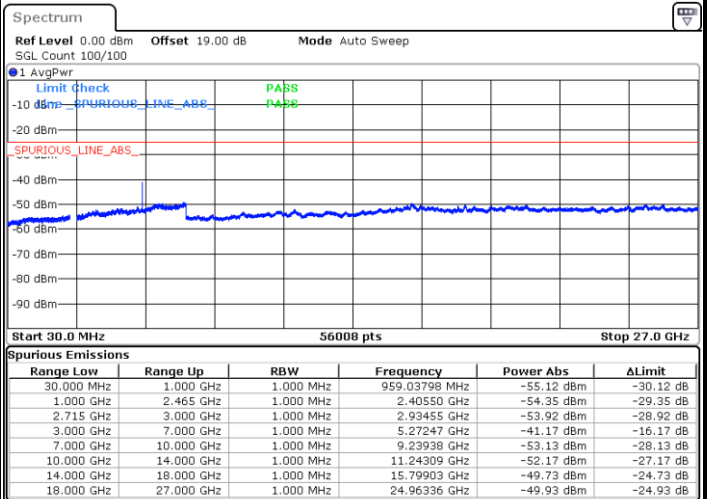
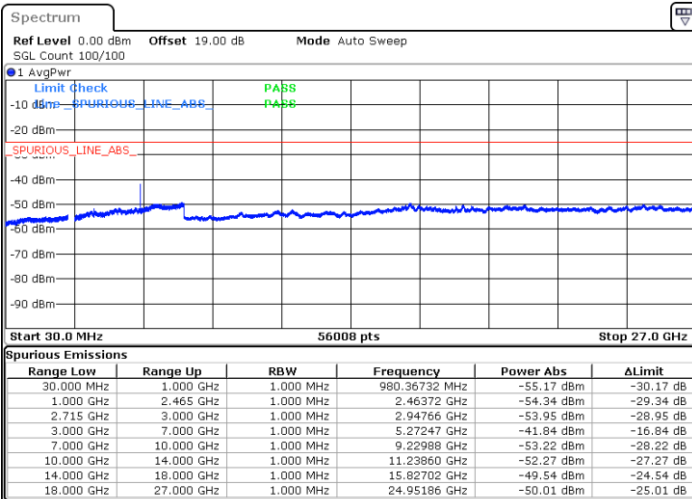


Date: 9.FEB.2021 11:31:32

Date: 9.FEB.2021 11:30:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9.FEB.2021 11:32:21

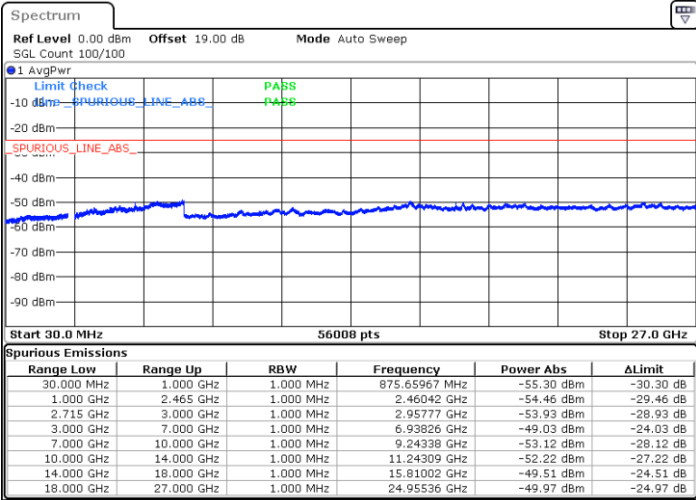
Date: 9.FEB.2021 11:33:11



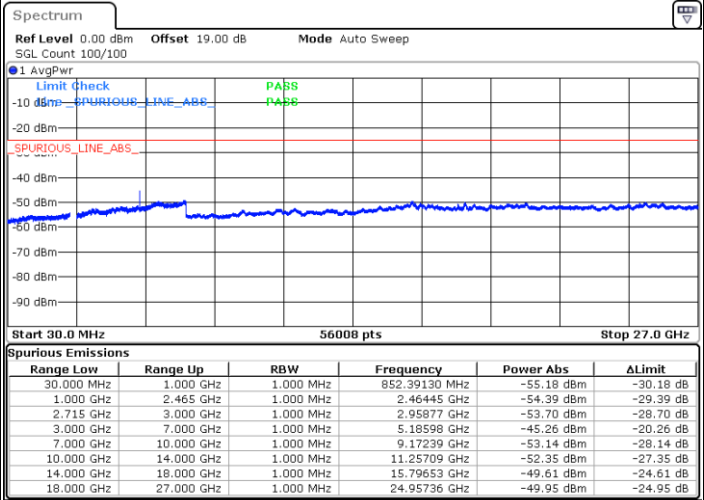
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

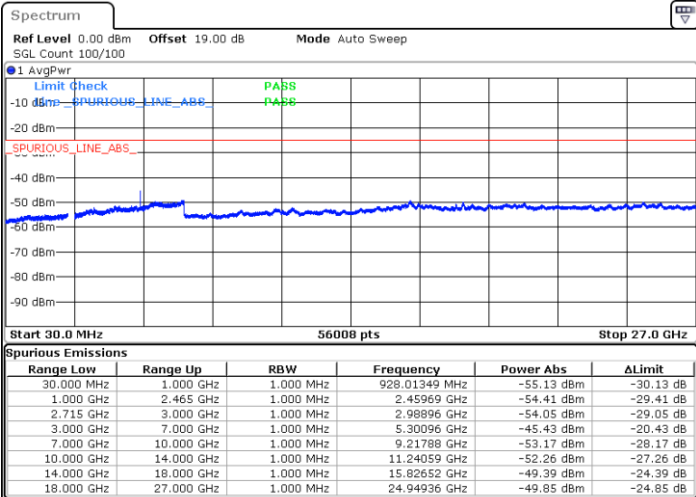


Date: 9.FEB.2021 11:06:54



Date: 9.FEB.2021 11:07:43

Highest Channel / 64QAM



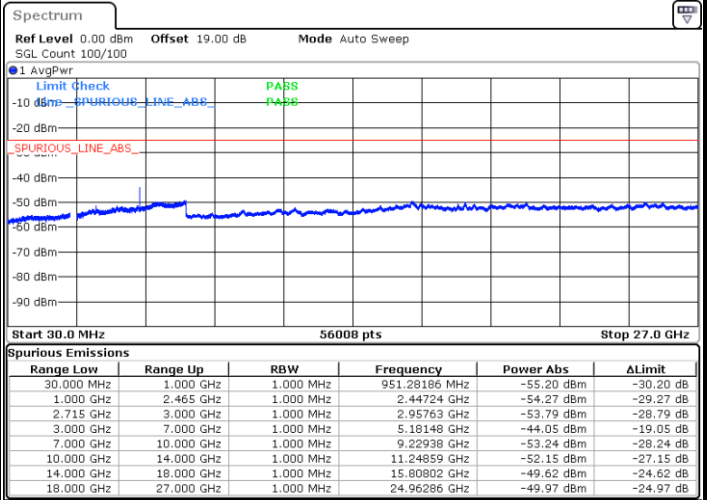
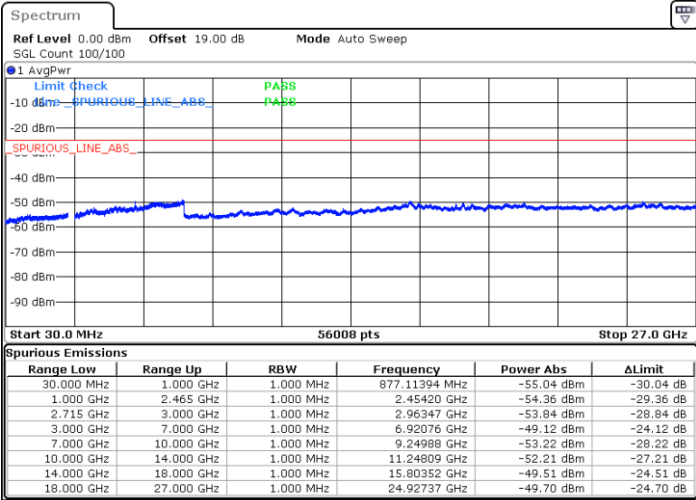
Date: 9.FEB.2021 11:11:50



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

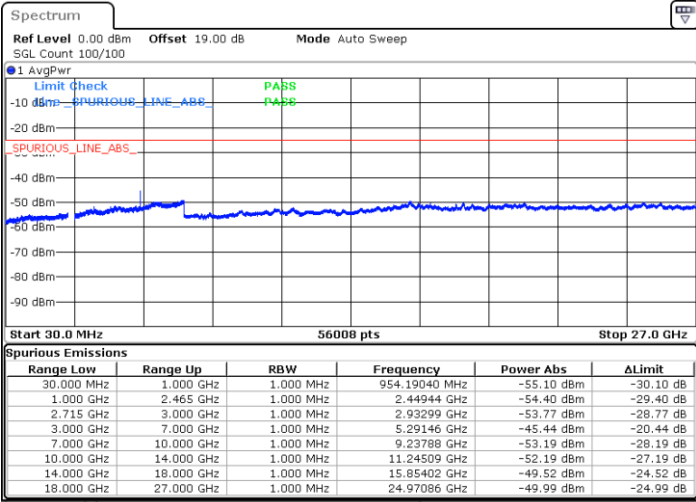
Middle Channel / 64QAM



Date: 9.FEB.2021 11:14:18

Date: 9.FEB.2021 11:15:07

Highest Channel / 64QAM



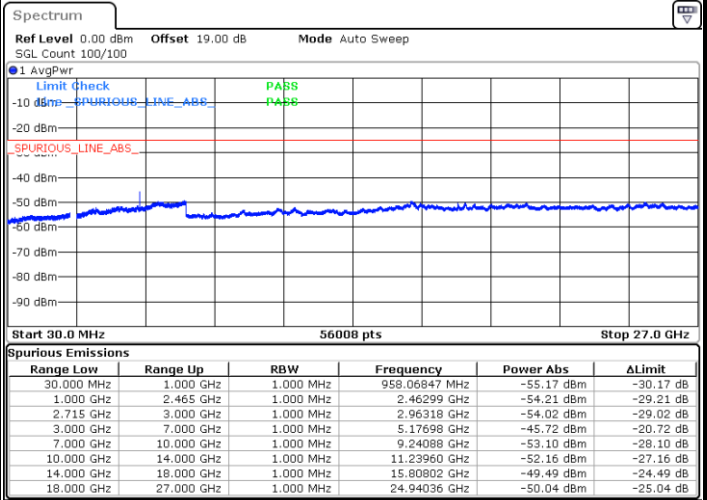
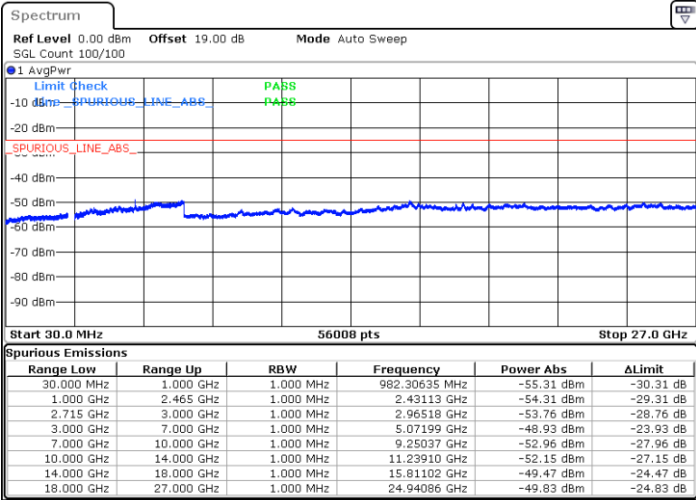
Date: 9.FEB.2021 11:19:13



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

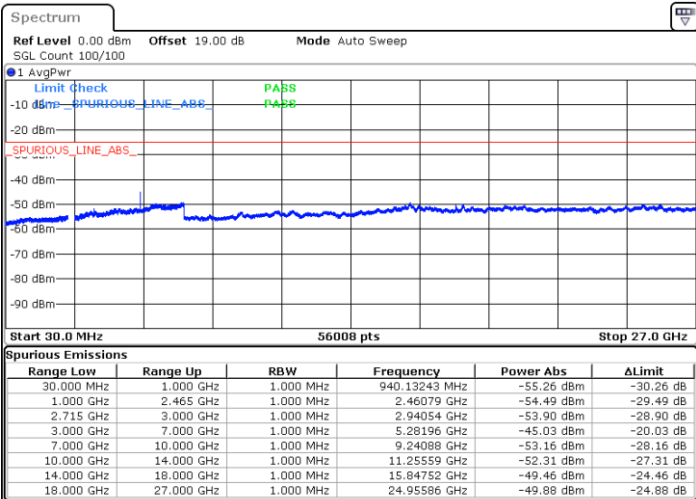
Middle Channel / 64QAM



Date: 9.FEB.2021 11:21:41

Date: 9.FEB.2021 11:22:30

Highest Channel / 64QAM



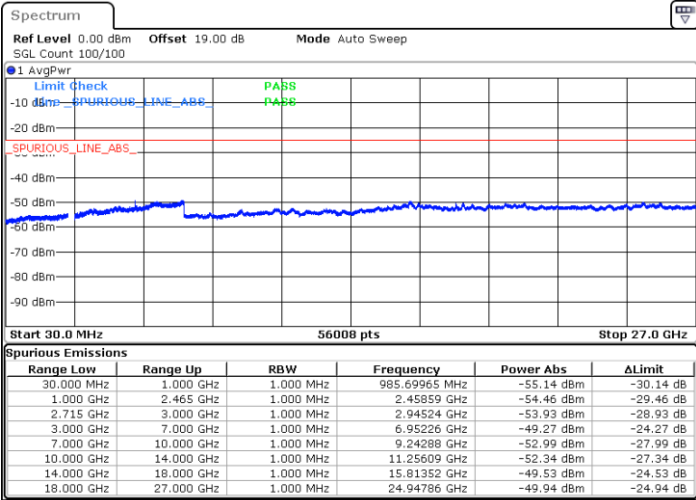
Date: 9.FEB.2021 11:26:36



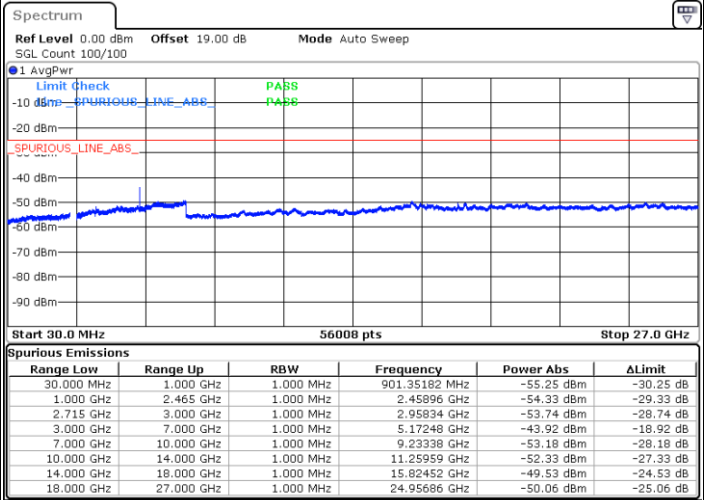
LTE Band 41 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

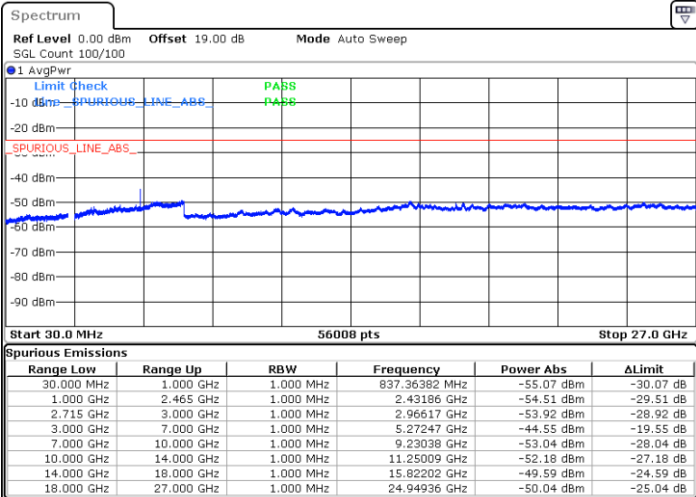


Date: 9.FEB.2021 11:29:04



Date: 9.FEB.2021 11:29:54

Highest Channel / 64QAM



Date: 9.FEB.2021 11:34:00



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0008	

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.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-35.34	-13	-22.34	-46.99	-38.59	4.00	9.40	H
	2489.25	-42.60	-13	-29.60	-61.37	-46.17	4.88	10.60	H
	3319	-46.68	-13	-33.68	-67.56	-51.61	5.52	12.60	H
	1659.5	-42.92	-13	-29.92	-55.24	-46.17	4.00	9.40	V
	2489.25	-49.44	-13	-36.44	-68.47	-53.01	4.88	10.60	V
	3319	-51.17	-13	-38.17	-72.75	-56.10	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-39.79	-25	-14.79	-63.71	-45.35	7.14	12.70	H
	7752.27	-38.18	-25	-13.18	-63.75	-41.48	8.30	11.60	H
	10336.36	-39.35	-25	-14.35	-69.94	-40.87	10.48	12.00	H
	5168.18	-32.49	-25	-7.49	-56.91	-38.05	7.14	12.70	V
	7752.27	-33.61	-25	-8.61	-62.27	-36.91	8.30	11.60	V
	10336.36	-41.69	-25	-16.69	-74.03	-43.21	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.