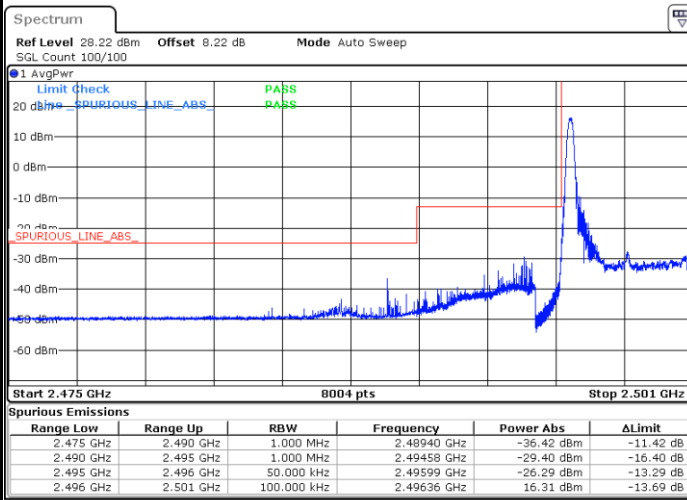




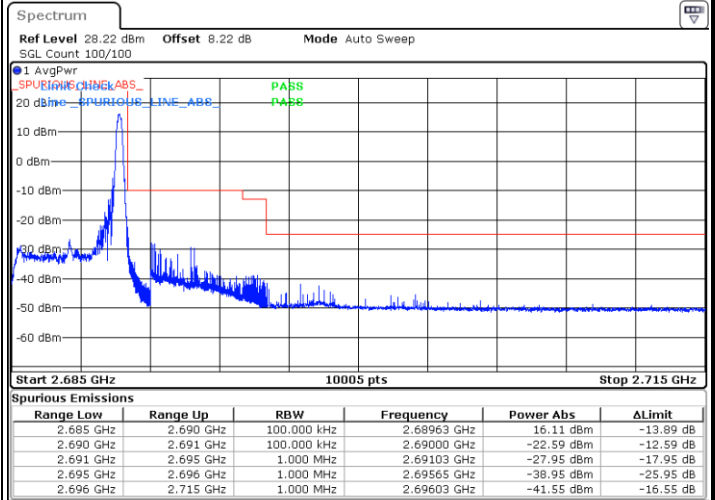
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



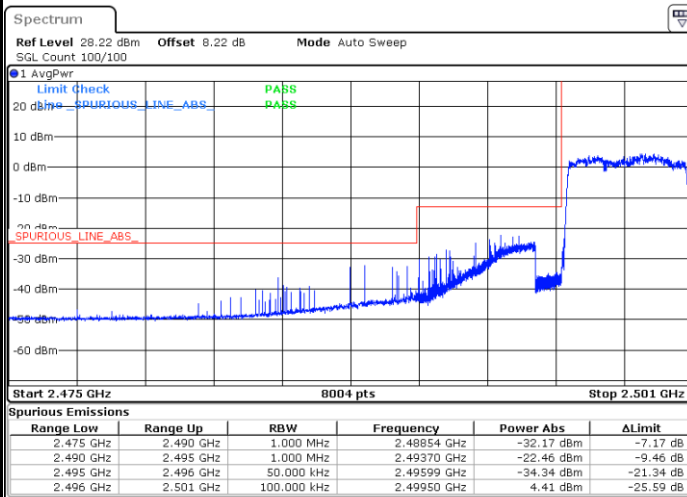
Date: 28.MAY.2021 11:20:57

Highest Band Edge / 1 RB



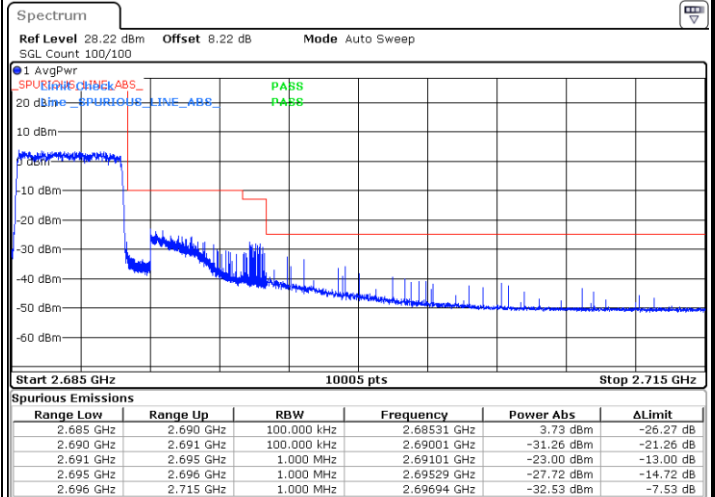
Date: 28.MAY.2021 09:57:44

Lowest Band Edge / Full RB



Date: 28.MAY.2021 11:57:46

Highest Band Edge / Full RB

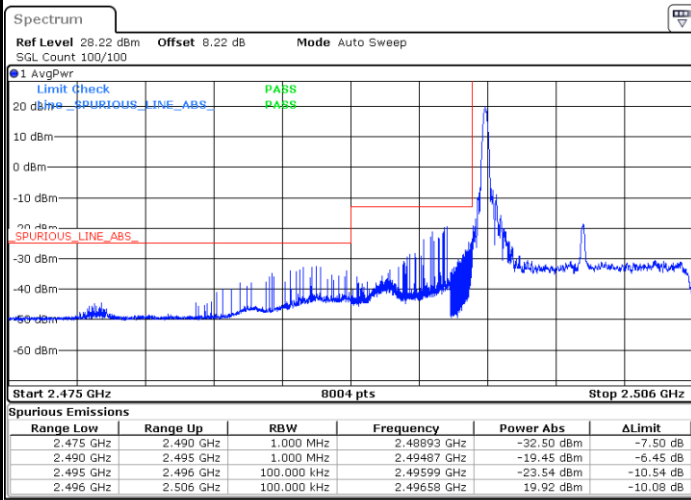


Date: 28.MAY.2021 09:59:08



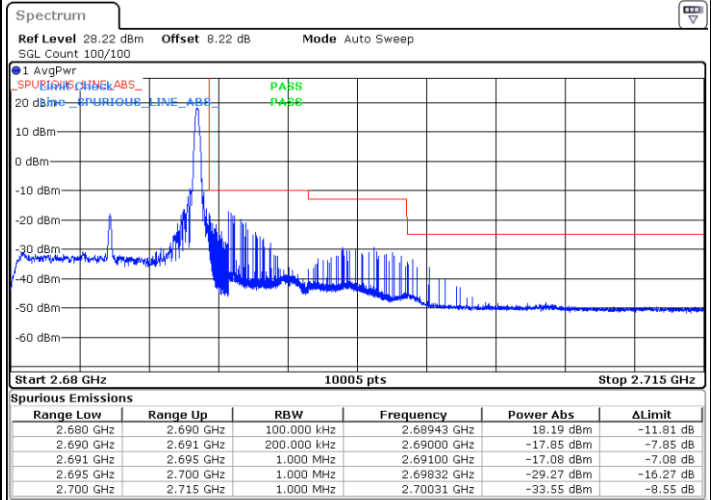
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



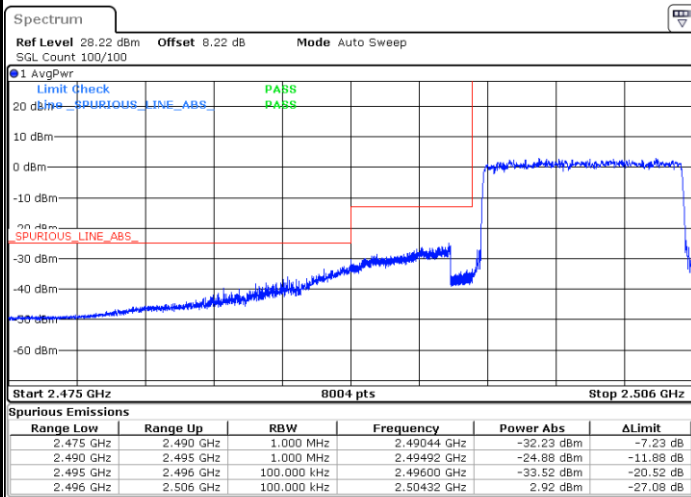
Date: 28.MAY.2021 11:58:38

Highest Band Edge / 1 RB



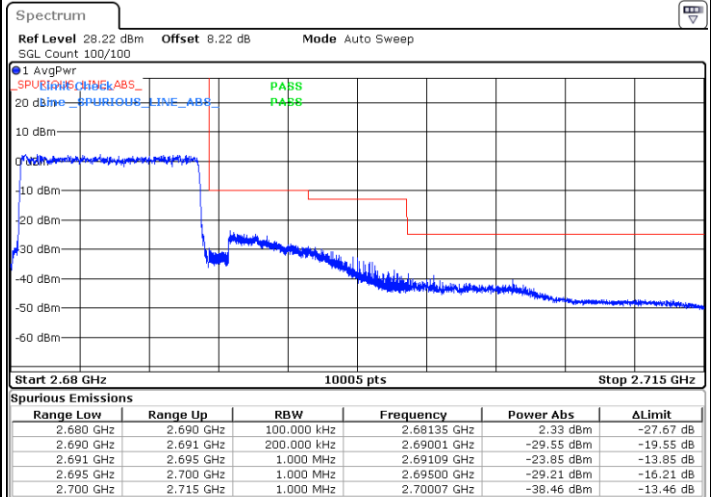
Date: 28.MAY.2021 10:06:11

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:00:22

Highest Band Edge / Full RB

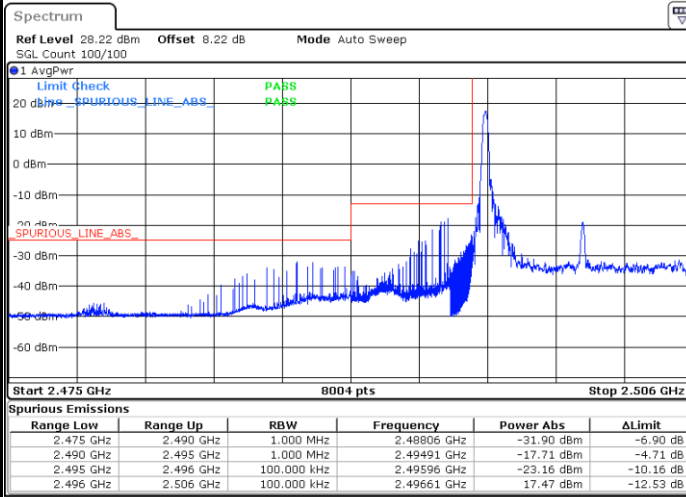


Date: 28.MAY.2021 10:09:00



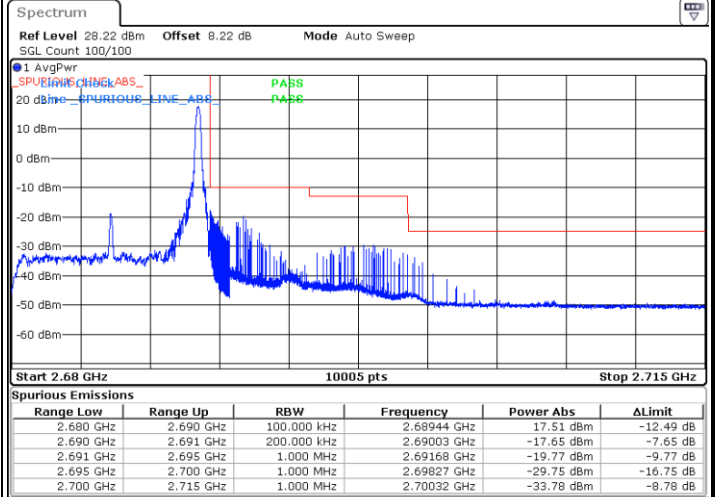
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



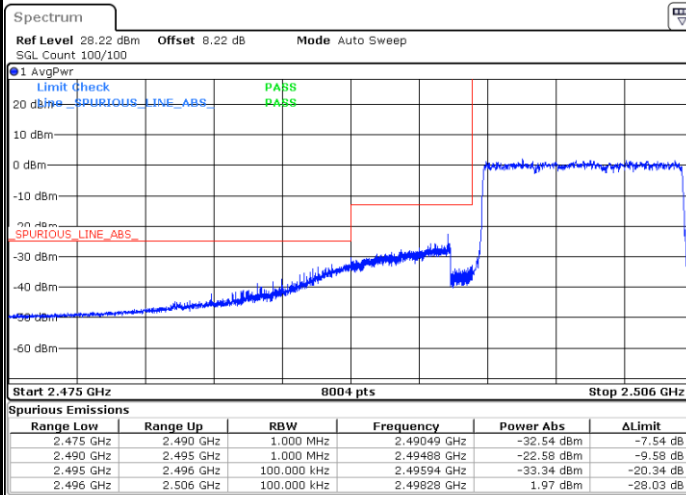
Date: 28.MAY.2021 11:59:10

Highest Band Edge / 1 RB



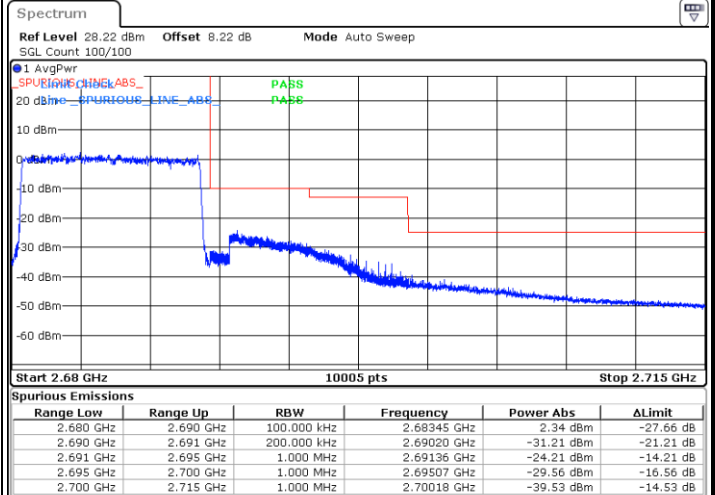
Date: 28.MAY.2021 10:07:36

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:00:52

Highest Band Edge / Full RB

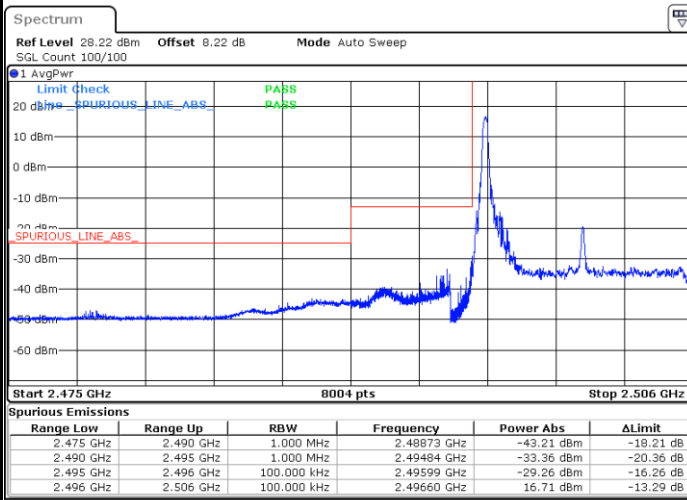


Date: 28.MAY.2021 10:10:25



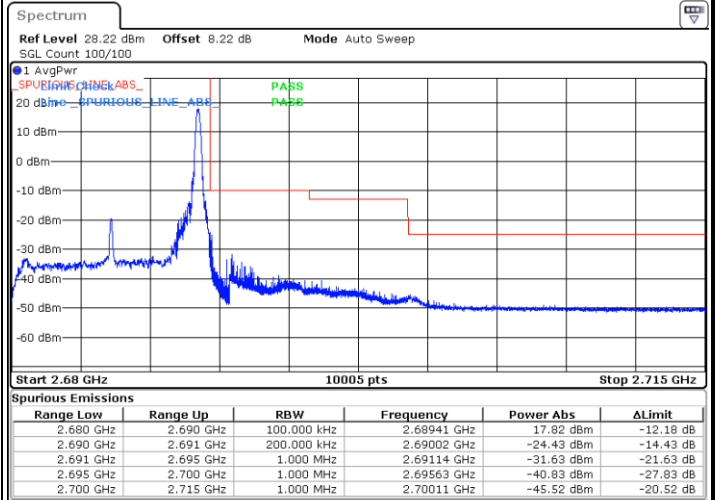
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



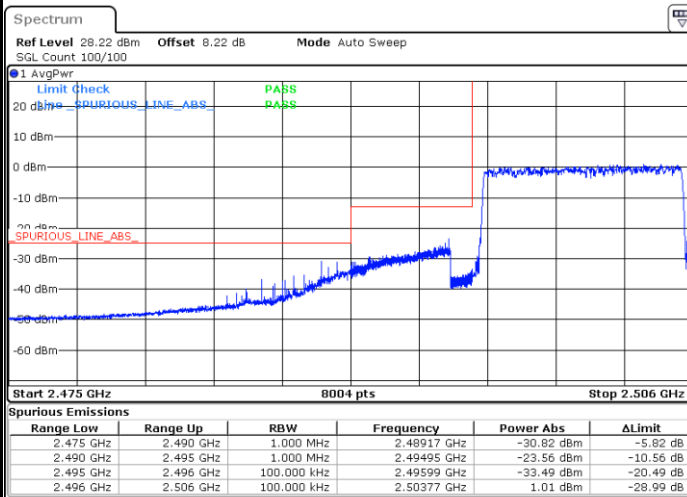
Date: 28.MAY.2021 11:59:52

Highest Band Edge / 1 RB



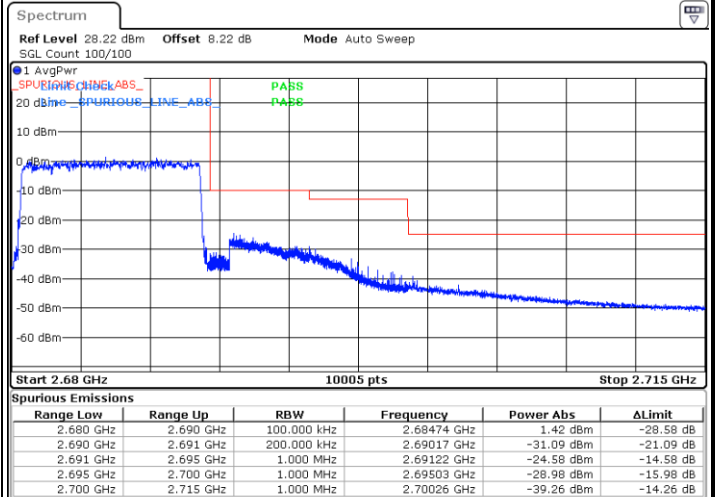
Date: 28.MAY.2021 10:14:39

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:01:29

Highest Band Edge / Full RB

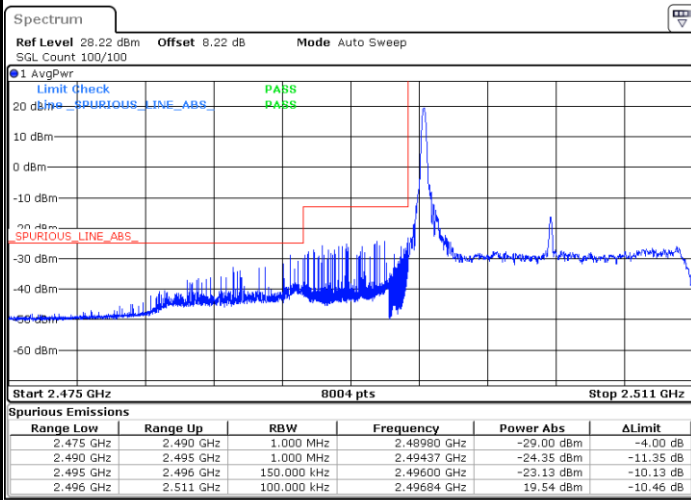


Date: 28.MAY.2021 10:16:03



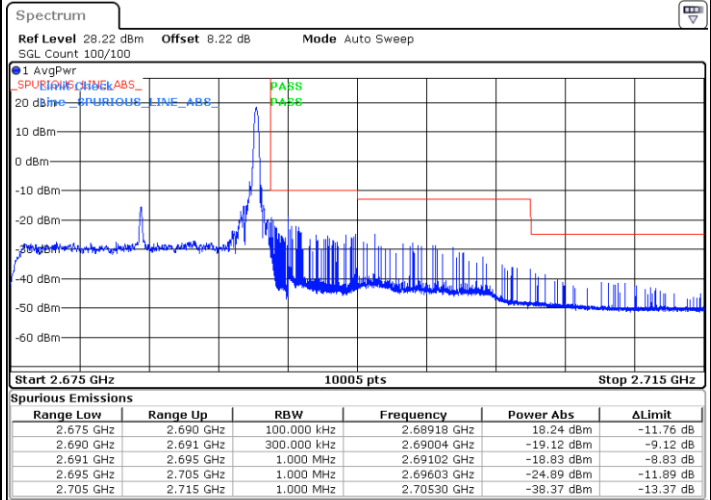
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



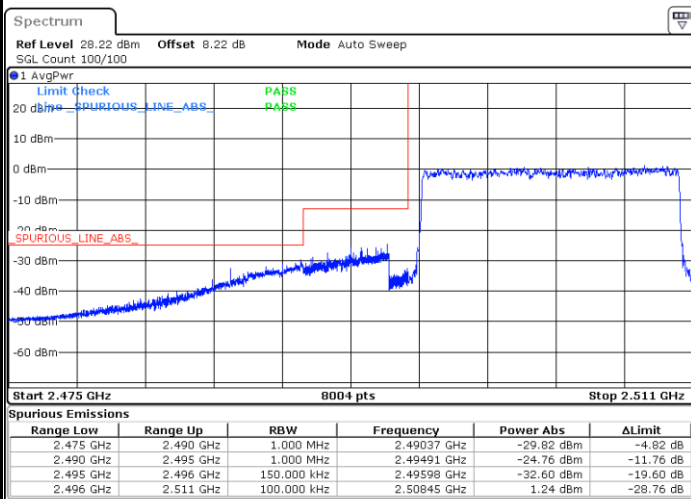
Date: 28.MAY.2021 12:02:09

Highest Band Edge / 1 RB



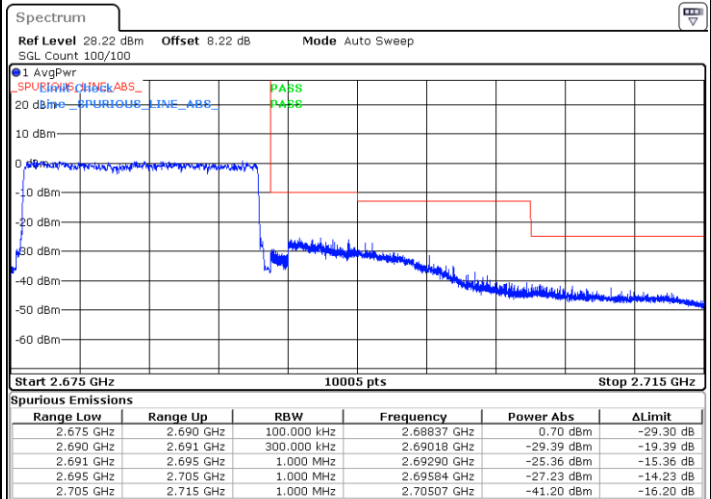
Date: 28.MAY.2021 10:23:06

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:04:00

Highest Band Edge / Full RB

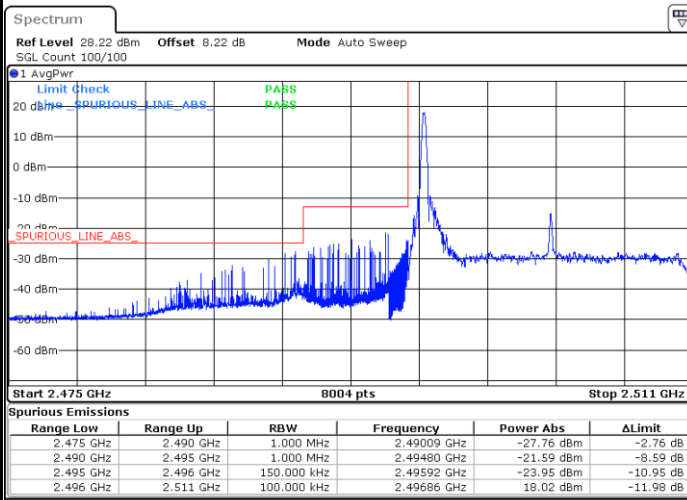


Date: 28.MAY.2021 10:25:55



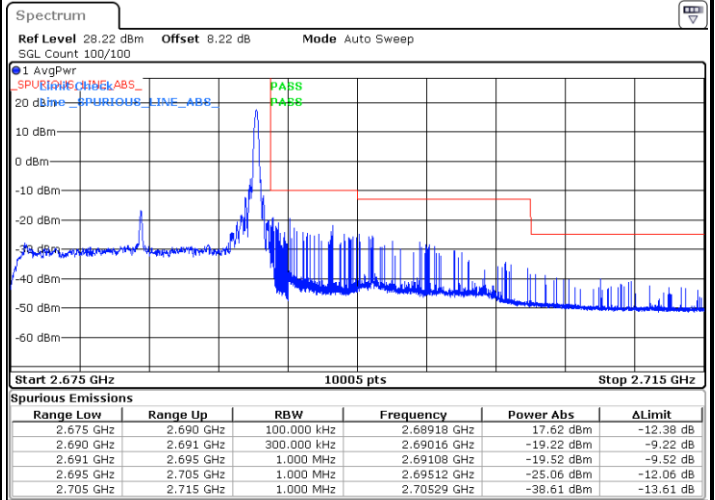
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



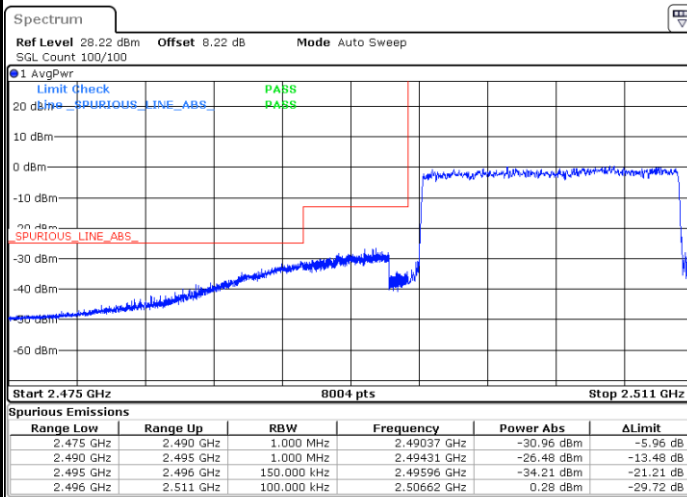
Date: 28.MAY.2021 12:02:38

Highest Band Edge / 1 RB



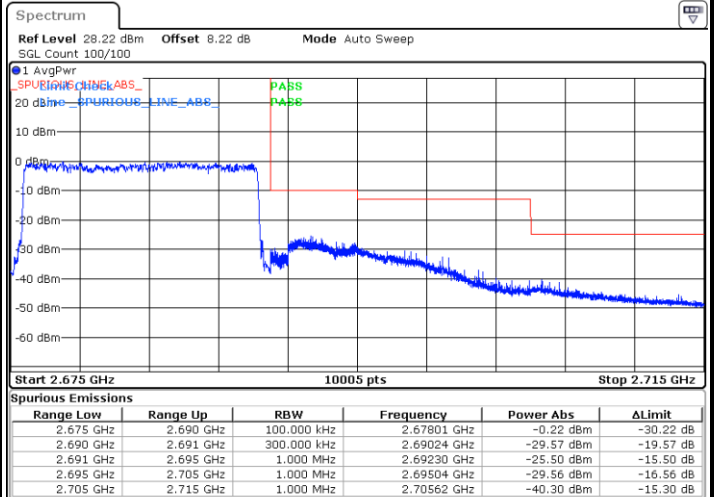
Date: 28.MAY.2021 10:24:30

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:04:29

Highest Band Edge / Full RB

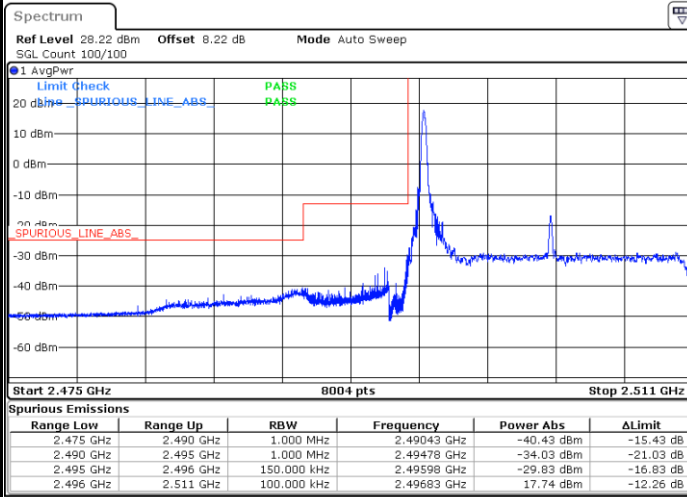


Date: 28.MAY.2021 10:27:19



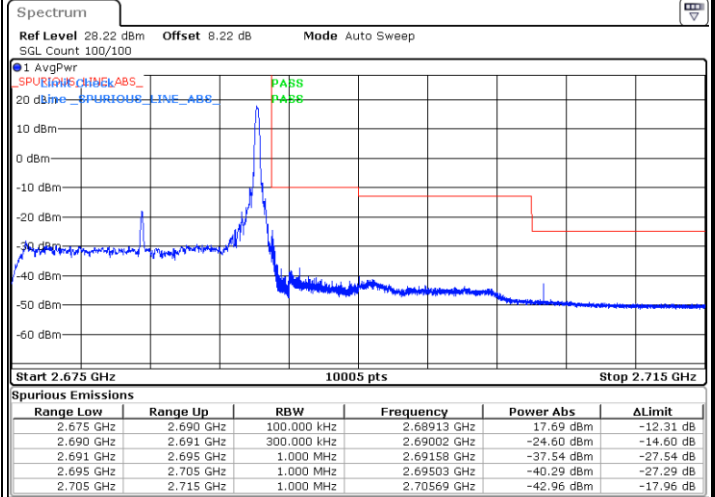
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



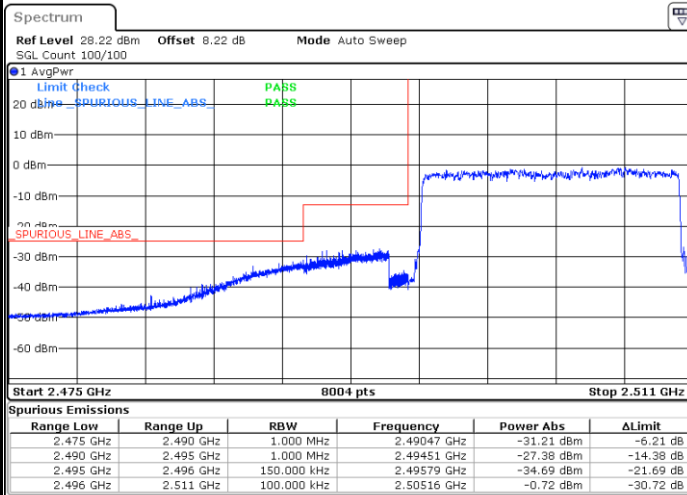
Date: 28.MAY.2021 12:03:08

Highest Band Edge / 1 RB



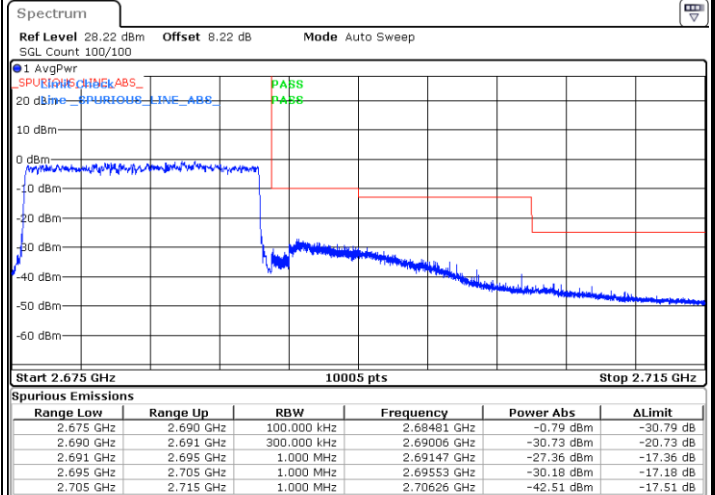
Date: 28.MAY.2021 10:31:32

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:04:59

Highest Band Edge / Full RB

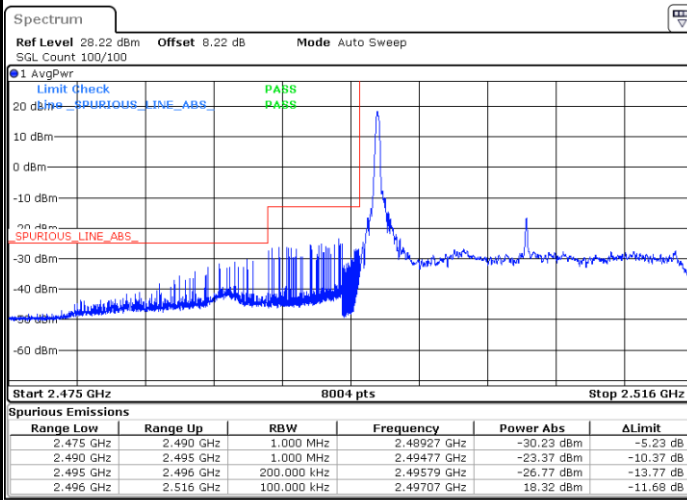


Date: 28.MAY.2021 10:32:56



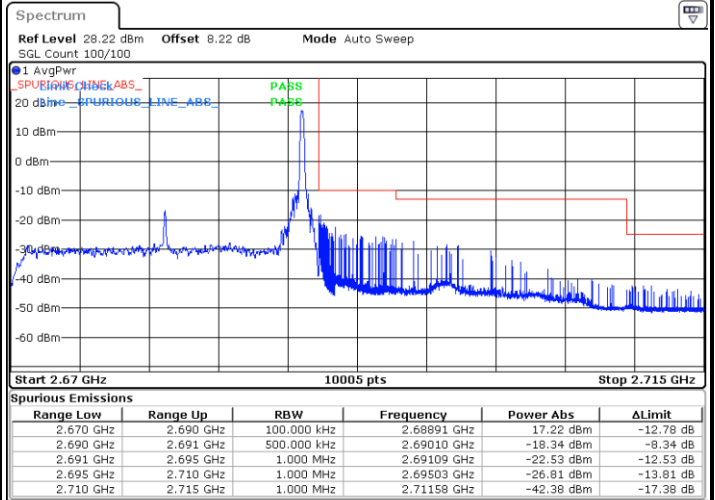
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



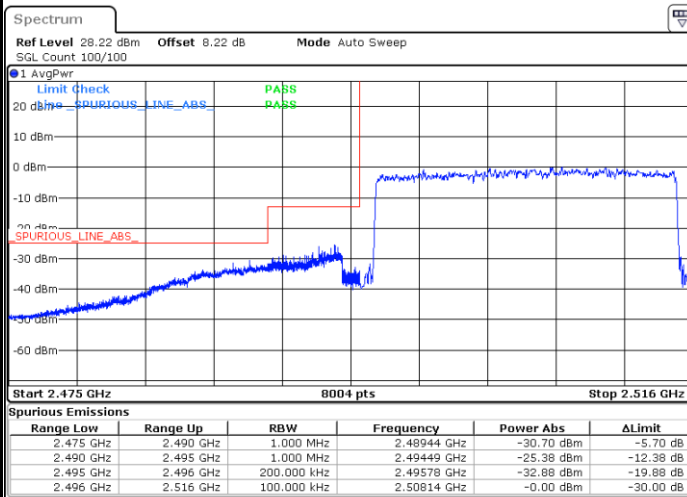
Date: 28.MAY.2021 12:05:35

Highest Band Edge / 1 RB



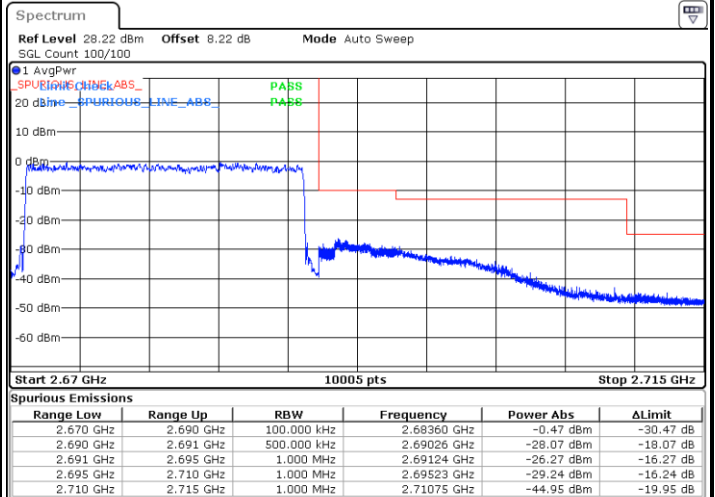
Date: 28.MAY.2021 10:39:59

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:07:14

Highest Band Edge / Full RB



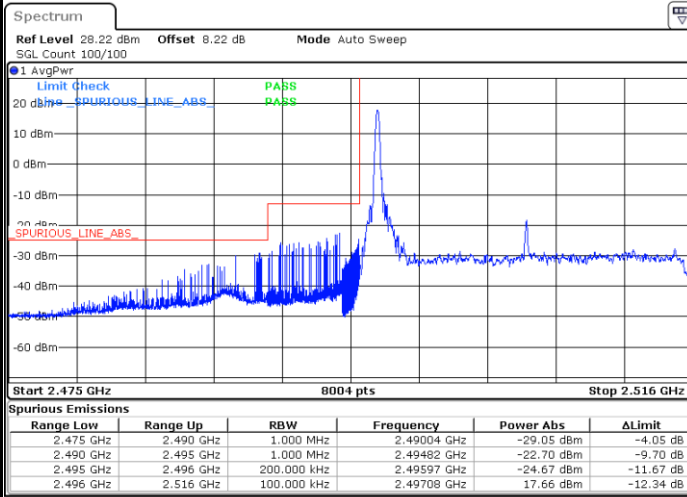
Date: 28.MAY.2021 10:44:11





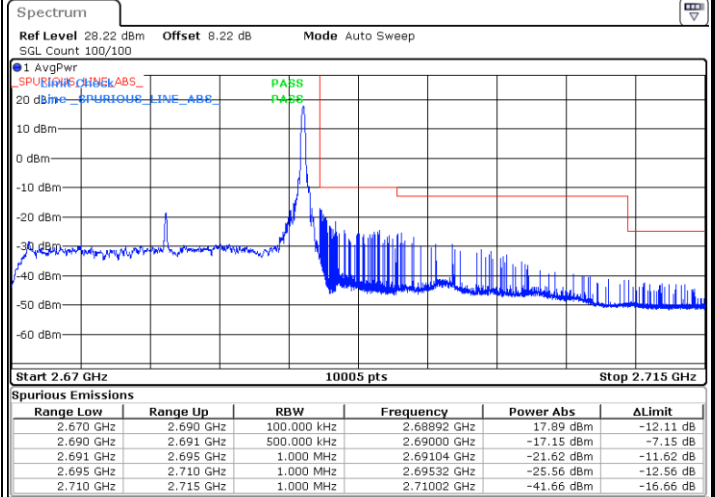
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



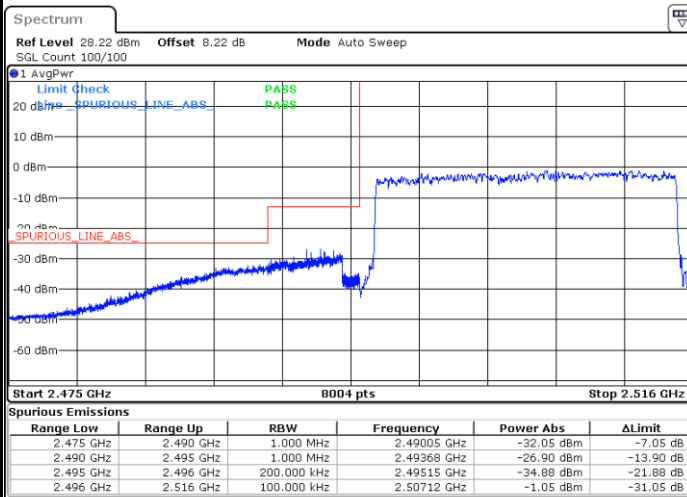
Date: 28.MAY.2021 12:06:15

Highest Band Edge / 1 RB



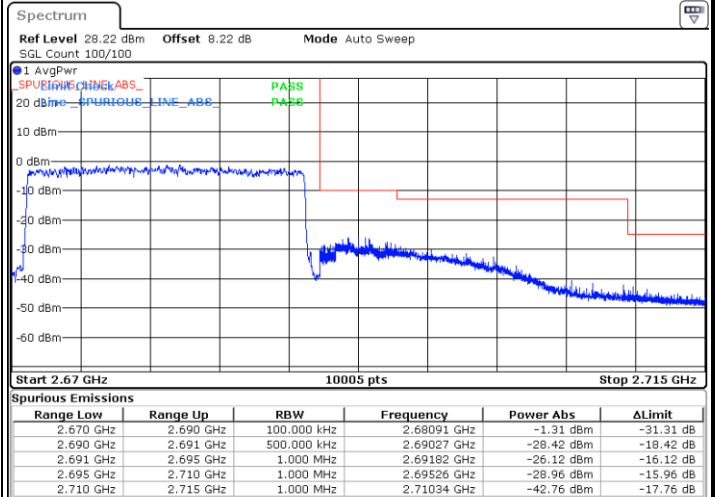
Date: 28.MAY.2021 10:41:23

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:07:47

Highest Band Edge / Full RB

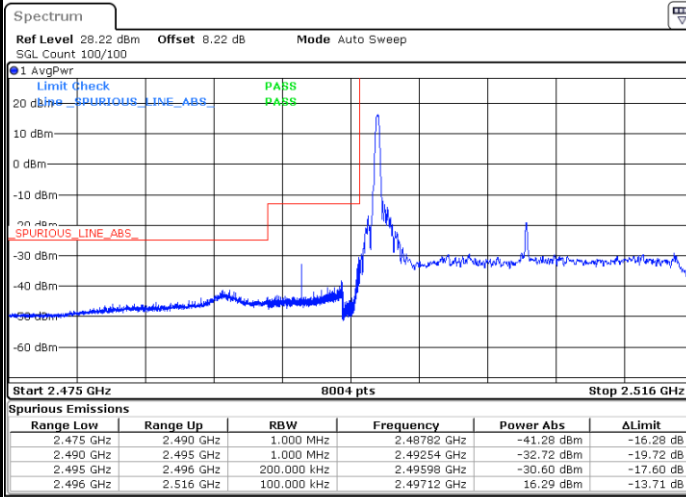


Date: 28.MAY.2021 10:42:47



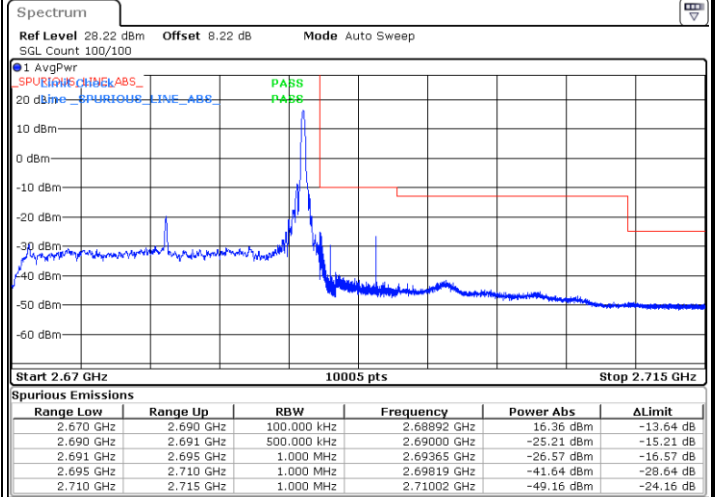
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



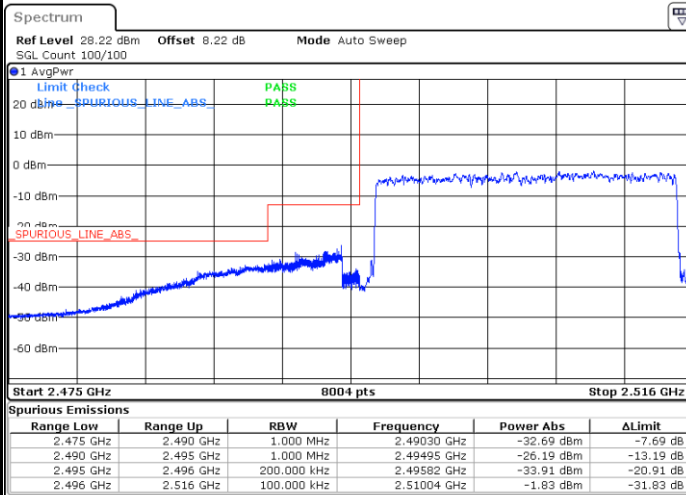
Date: 28.MAY.2021 12:06:43

Highest Band Edge / 1 RB



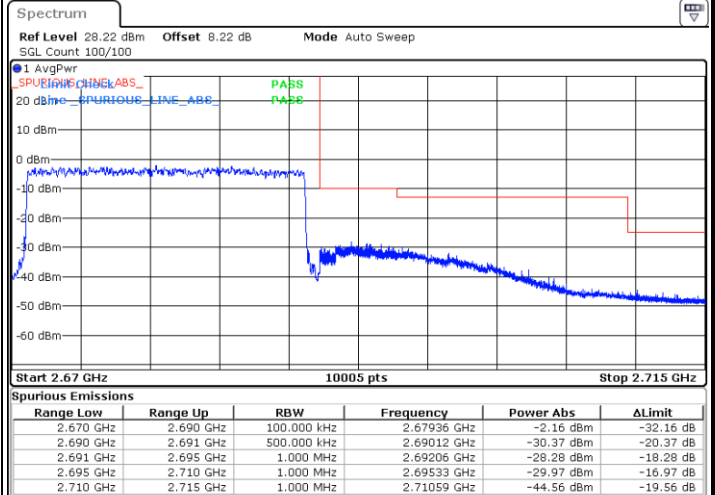
Date: 28.MAY.2021 10:48:25

Lowest Band Edge / Full RB



Date: 28.MAY.2021 12:08:30

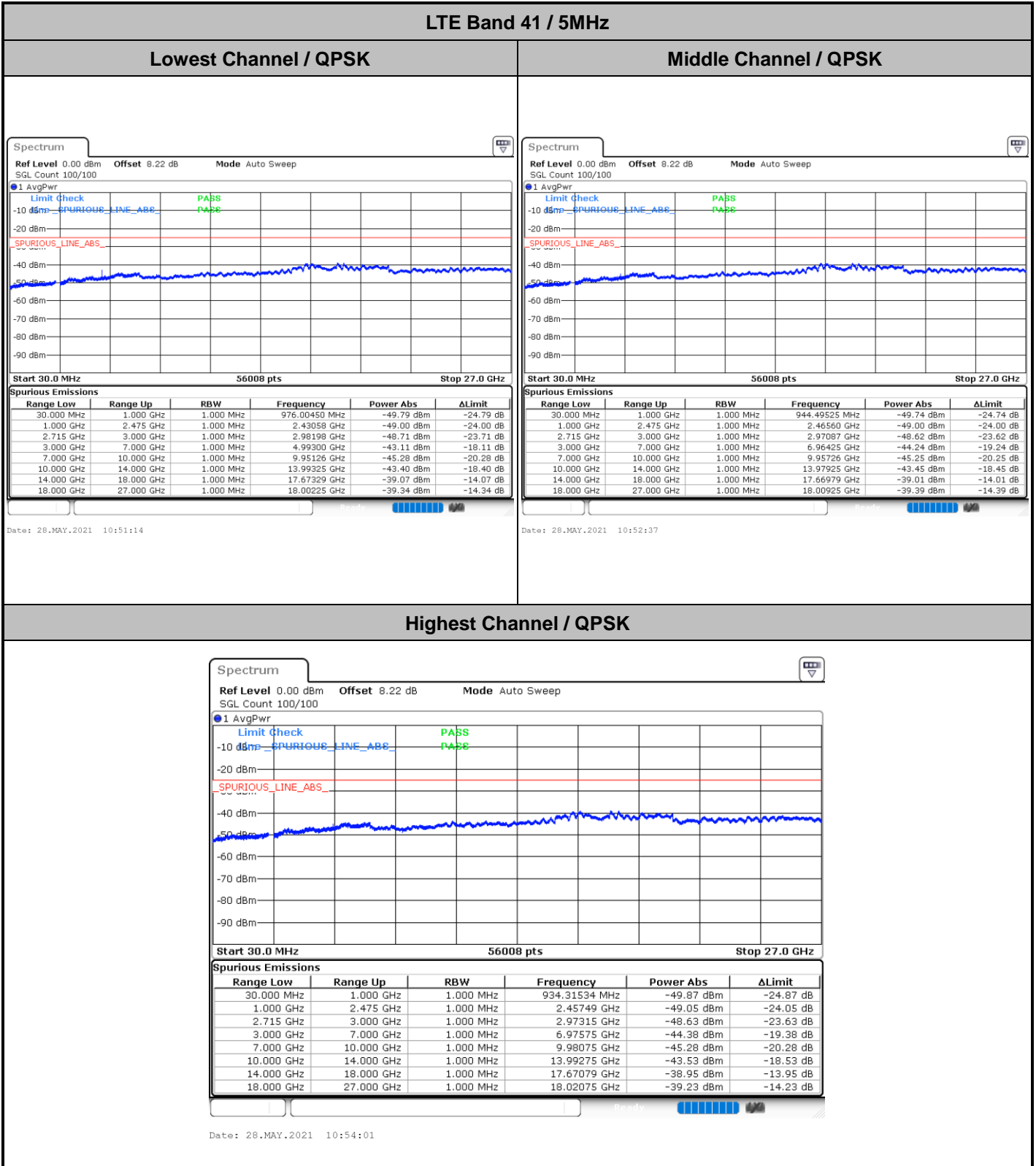
Highest Band Edge / Full RB



Date: 28.MAY.2021 10:49:49



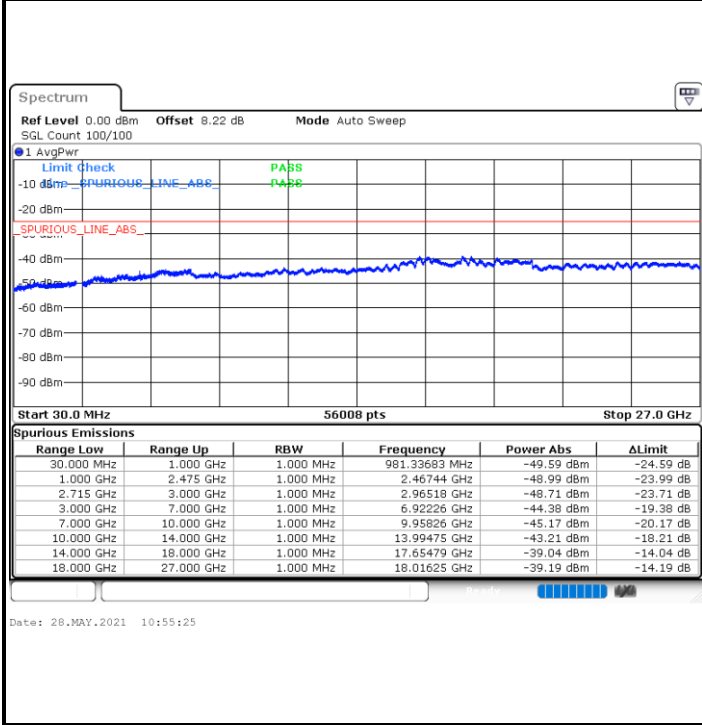
# Conducted Spurious Emission



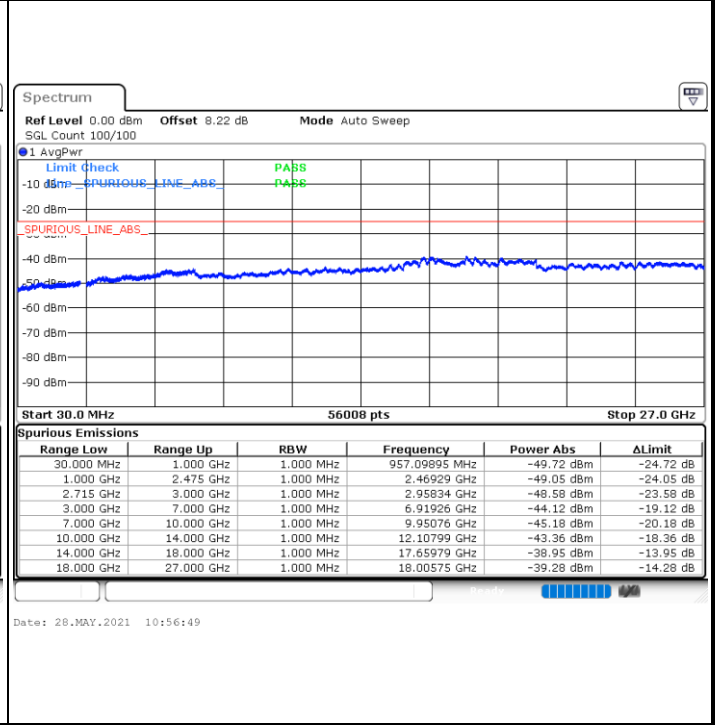


**LTE Band 41 / 10MHz**

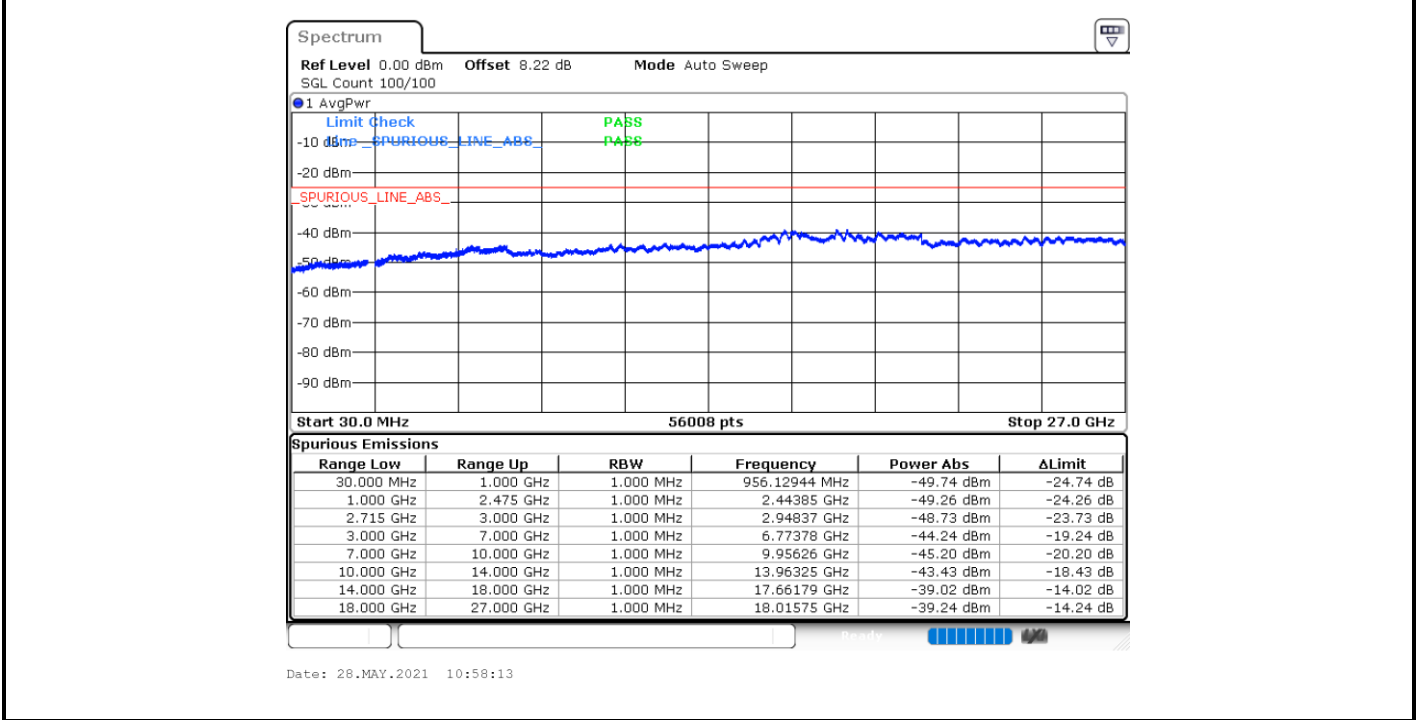
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

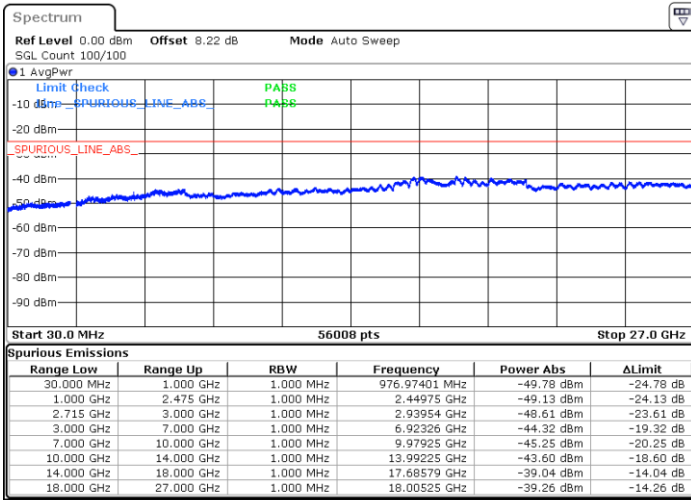




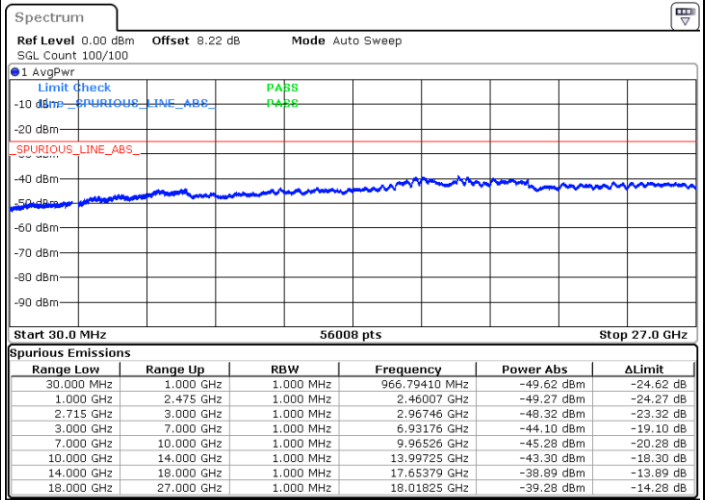
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

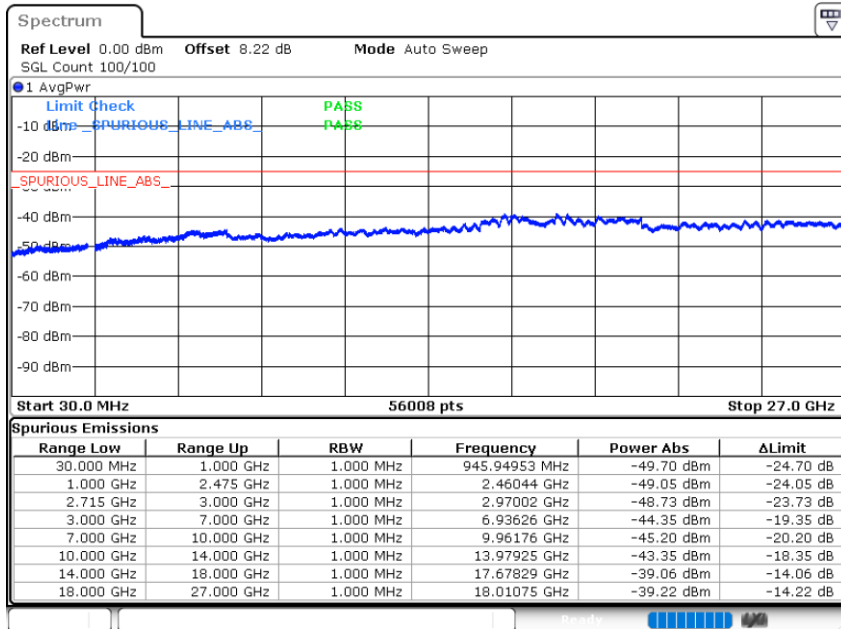


Date: 28.MAY.2021 10:59:37



Date: 28.MAY.2021 11:01:00

Highest Channel / QPSK



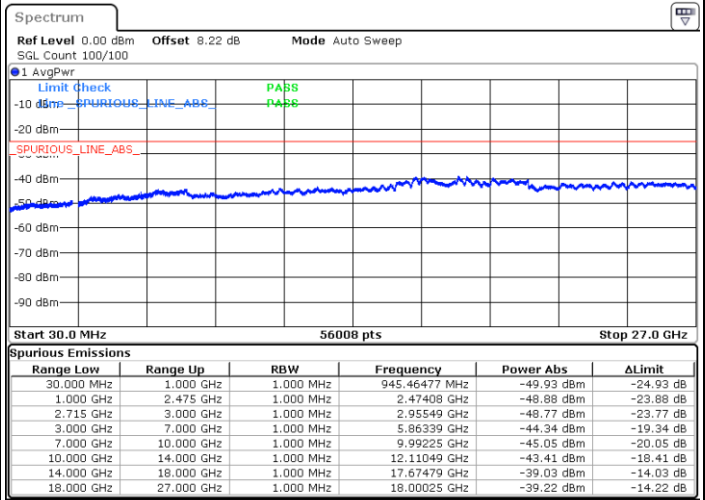
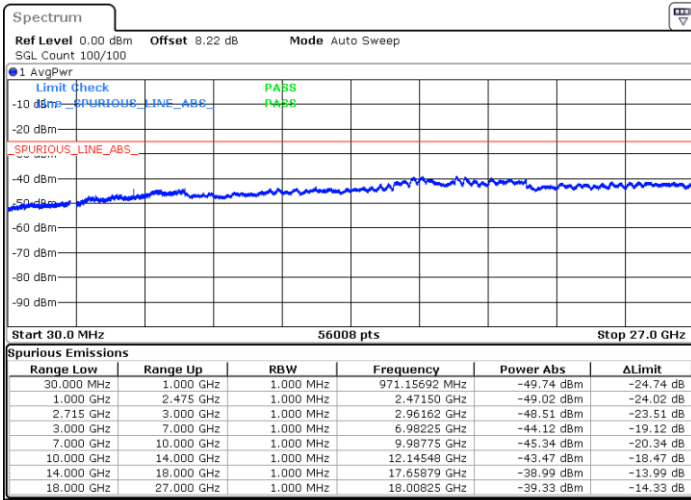
Date: 28.MAY.2021 11:02:25



LTE Band 41 / 20MHz

Lowest Channel / QPSK

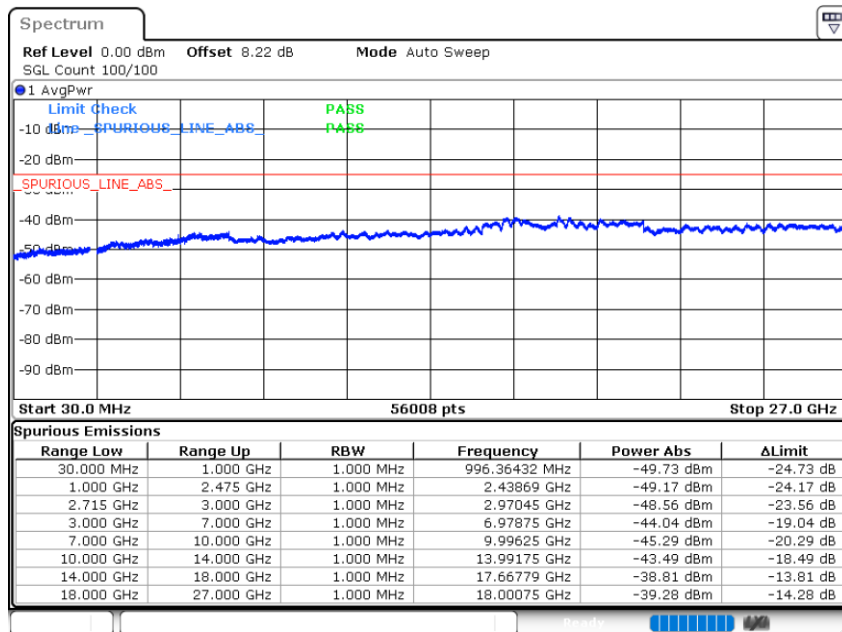
Middle Channel / QPSK



Date: 28.MAY.2021 11:03:49

Date: 28.MAY.2021 11:05:13

Highest Channel / QPSK



Date: 28.MAY.2021 11:06:37



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	0.0017	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =4.2 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.43 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 2 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-56.06	-13	-43.06	-68.32	2.64	14.90	H
	5613	-54.65	-13	-41.65	-66.51	2.94	14.80	H
	7488	-53.20	-13	-40.20	-62.97	3.39	13.16	H
	3741	-55.76	-13	-42.76	-68.02	2.64	14.90	V
	5613	-55.58	-13	-42.58	-67.44	2.94	14.80	V
	7488	-52.70	-13	-39.70	-62.47	3.39	13.16	V

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

LTE Band 4 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-56.39	-13	-43.39	-67.13	2.604	13.34	H
	5172	-54.17	-13	-41.17	-64.68	3.011	13.52	H
	6900	-54.53	-13	-41.53	-64.73	3.271	13.47	H
	3447	-57.27	-13	-44.27	-68.01	2.604	13.34	V
	5172	-54.18	-13	-41.18	-64.69	3.011	13.52	V
	6900	-54.50	-13	-41.50	-64.70	3.271	13.47	V

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

LTE Band 5 / 10MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-55.61	-13	-42.61	-62.58	1.58	10.70	H
	2496	-40.96	-13	-27.96	-49.21	2.102	12.50	H
	3330	-60.17	-13	-47.17	-69.06	2.856	13.90	H
	1664	-59.88	-13	-46.88	-66.85	1.58	10.70	V
	2496	-45.70	-13	-32.70	-53.95	2.10	12.50	V
	3330	-59.76	-13	-46.76	-68.65	2.86	13.90	V

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





LTE Band 7 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-61.06	-25	-36.06	-71.27	3.03	13.24	H
	7580	-59.14	-25	-34.14	-68.59	3.56	13.01	H
	10100	-59.93	-25	-34.93	-69.45	3.92	13.44	H
	5052	-61.49	-25	-36.49	-71.70	3.03	13.24	V
	7580	-51.65	-25	-26.65	-61.10	3.56	13.01	V
	10100	-60.10	-25	-35.10	-69.62	3.92	13.44	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-48.97	-25	-23.97	-59.18	3.03	13.24	H
	7752	-60.83	-25	-35.83	-70.28	3.56	13.01	H
	10340	-59.02	-25	-34.02	-68.54	3.92	13.44	H
	5168	-50.86	-25	-25.86	-61.07	3.03	13.24	V
	7752	-59.91	-25	-34.91	-69.36	3.56	13.01	V
	10340	-59.49	-25	-34.49	-69.01	3.92	13.44	V

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