

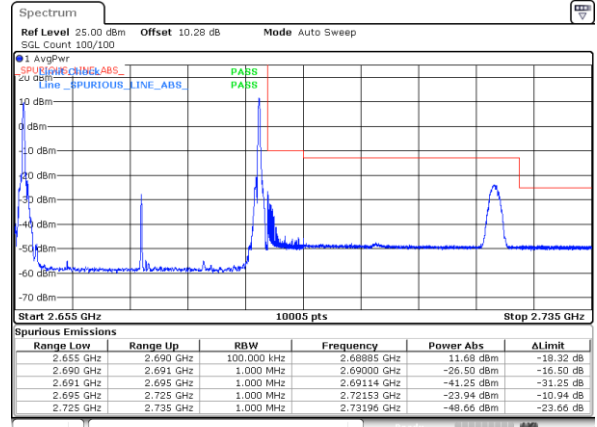
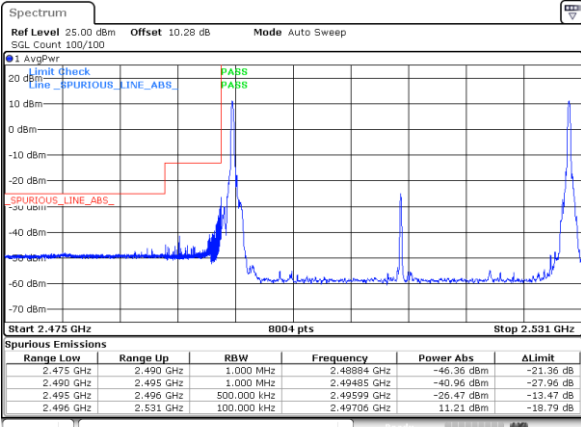


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

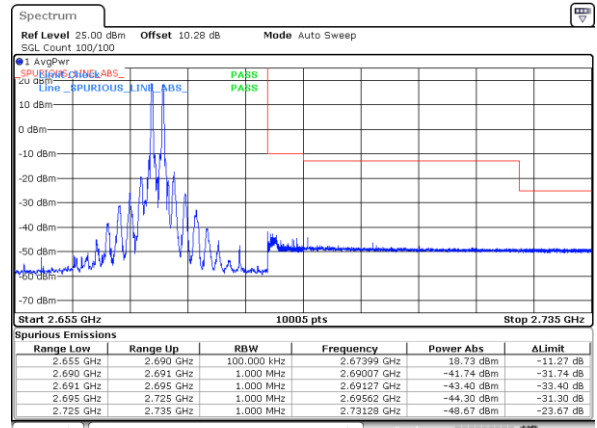
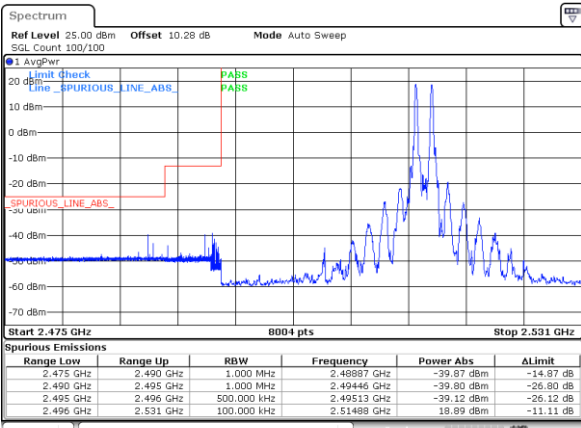


Date: 23\_APR\_2023 17:56:30

Date: 23\_APR\_2023 18:15:53

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

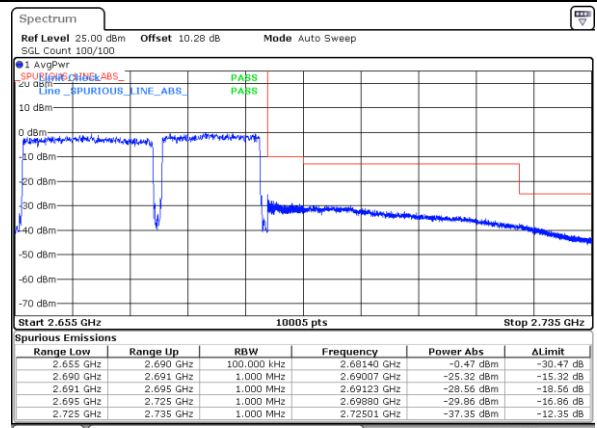
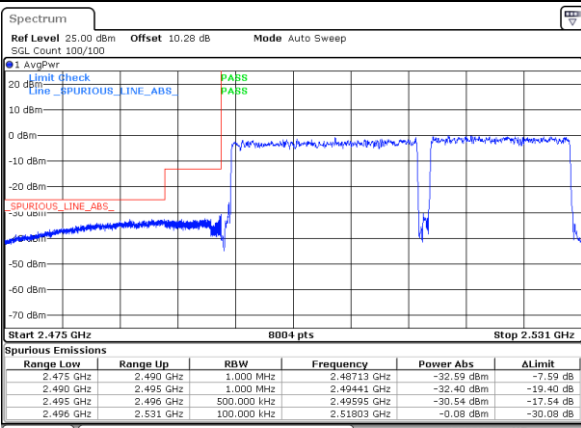


Date: 23\_APR\_2023 18:00:47

Date: 23\_APR\_2023 18:20:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23\_APR\_2023 17:52:12

Date: 23\_APR\_2023 18:11:45

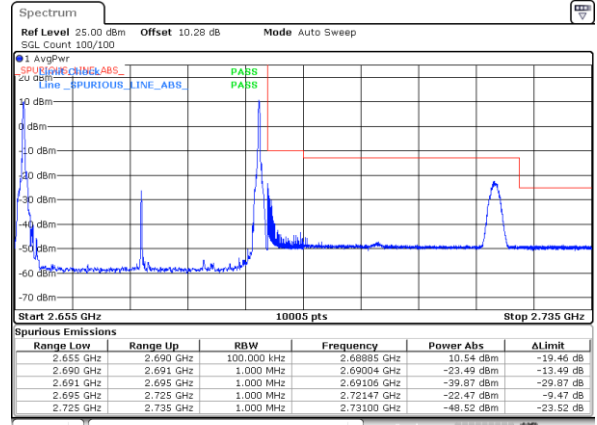
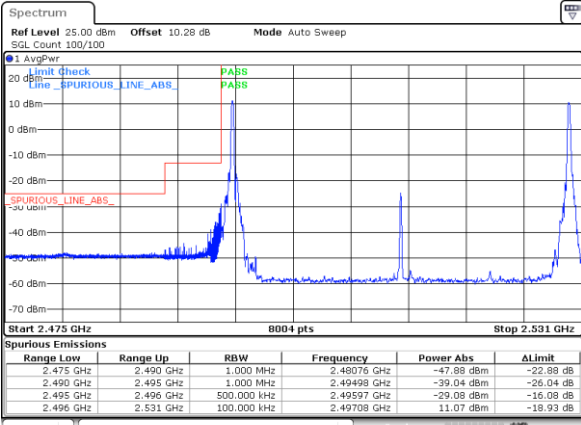


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

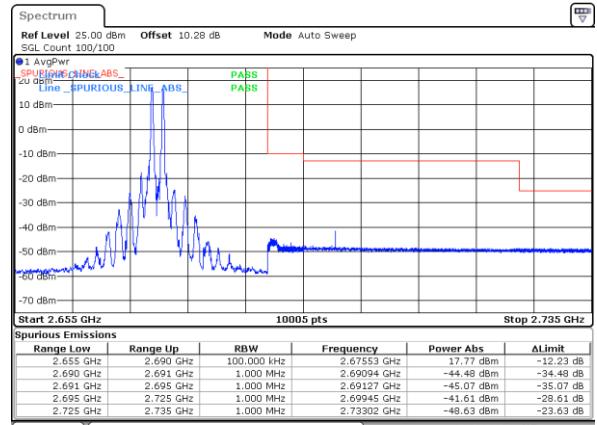
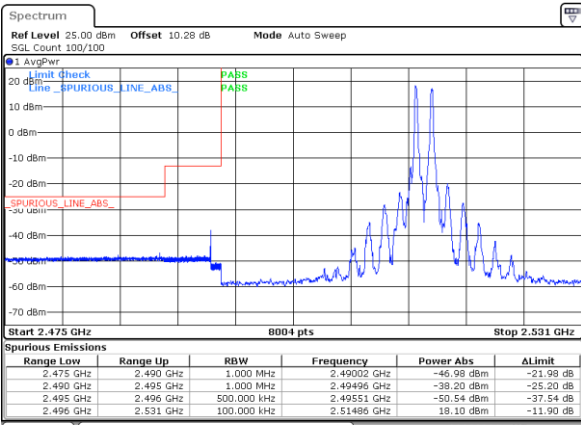


Date: 23\_APR\_2023 17:57:14

Date: 23\_APR\_2023 18:16:56

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

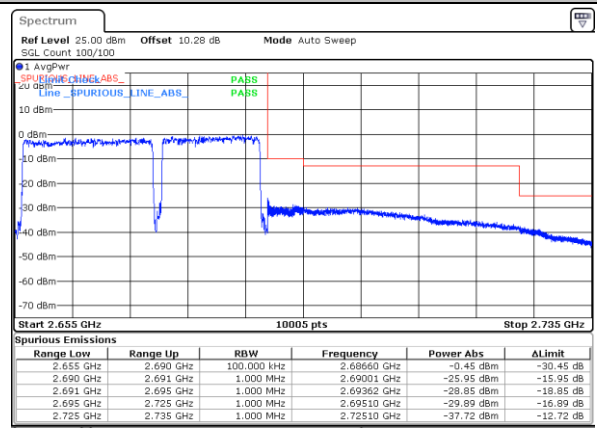
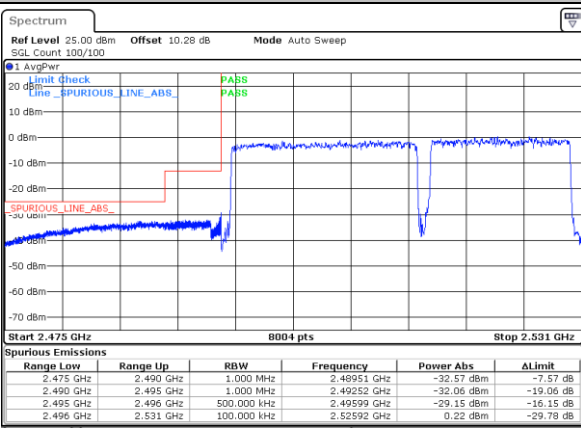


Date: 23\_APR\_2023 18:01:51

Date: 23\_APR\_2023 18:21:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23\_APR\_2023 17:53:17

Date: 23\_APR\_2023 18:12:47

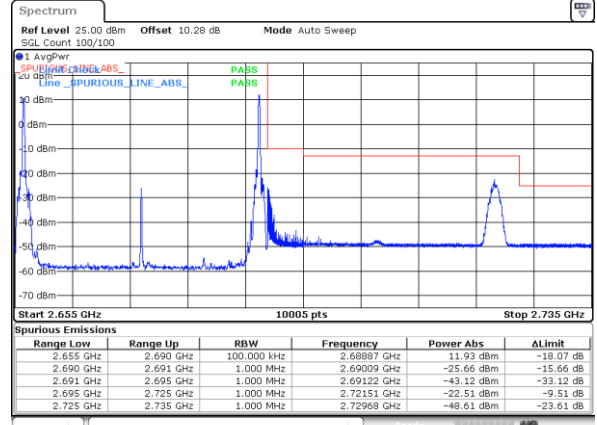
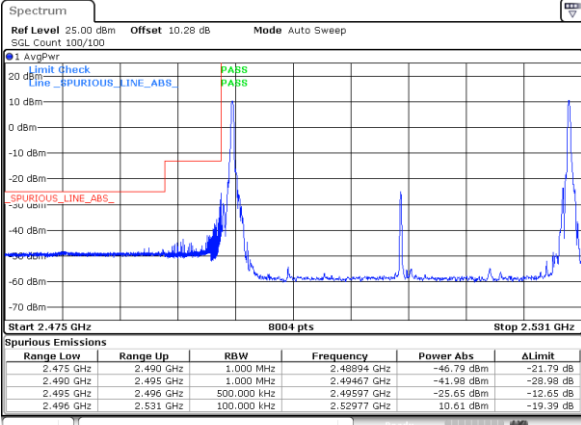


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

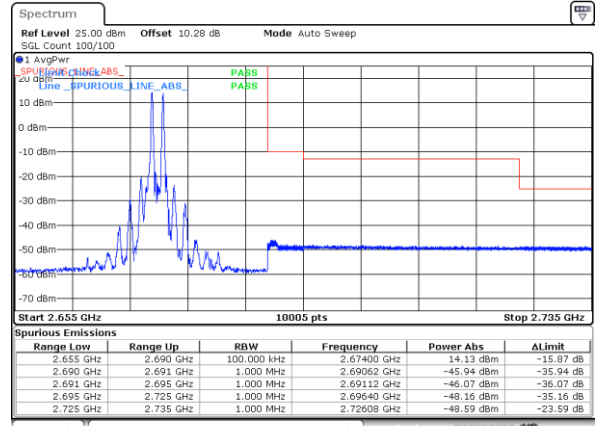
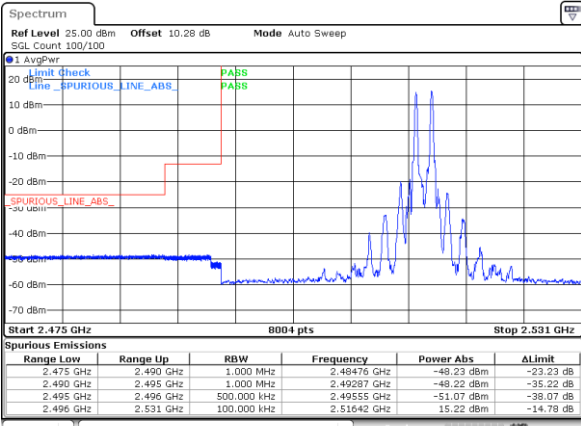


Date: 23\_APR\_2023 17:58:38

Date: 23\_APR\_2023 18:17:58

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

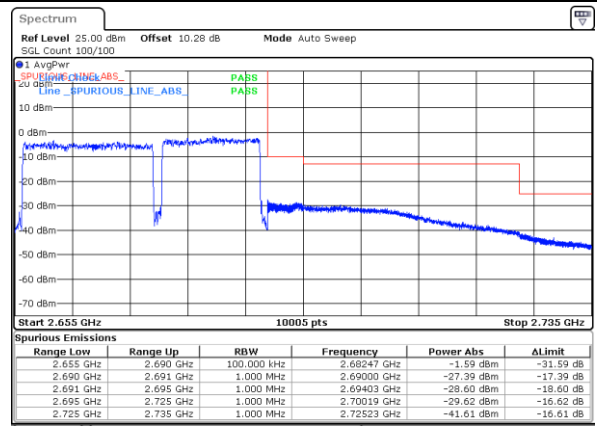
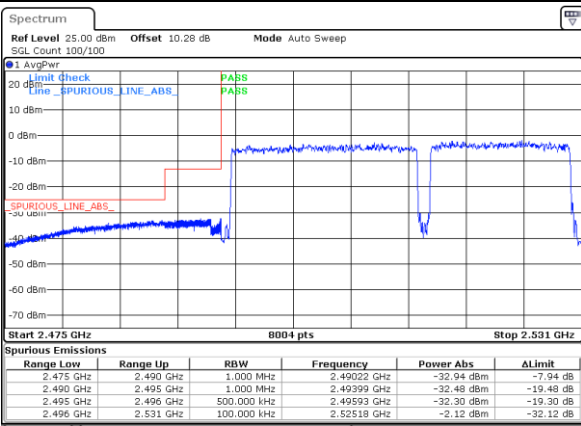


Date: 23\_APR\_2023 18:02:55

Date: 23\_APR\_2023 18:22:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23\_APR\_2023 17:54:21

Date: 23\_APR\_2023 18:13:49

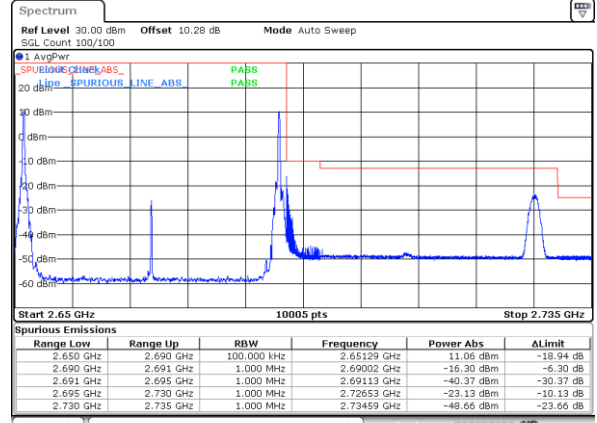
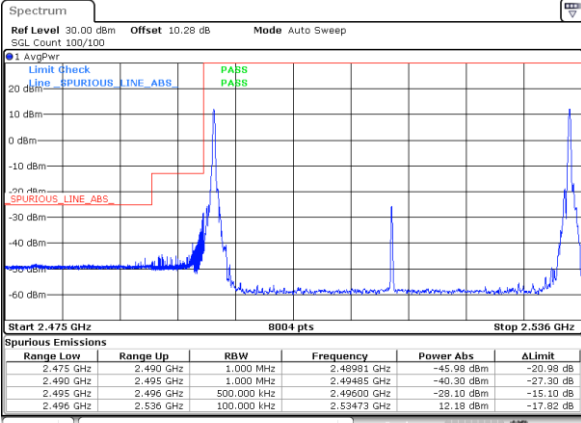


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

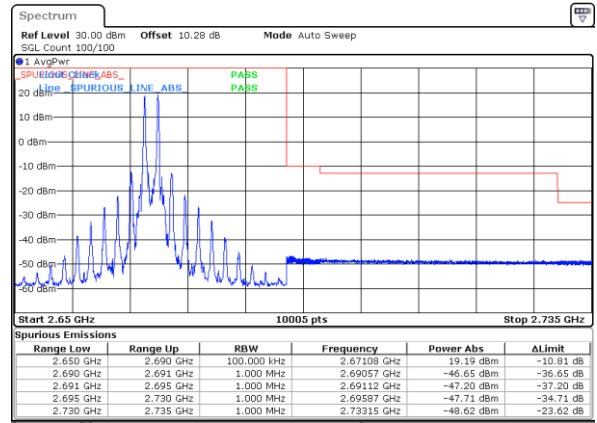
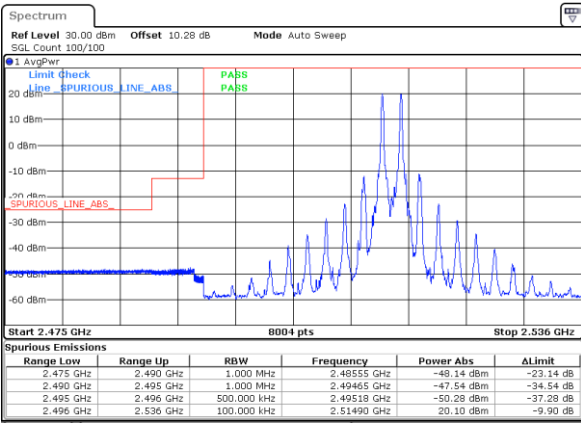


Date: 23.APR.2023 18:29:02

Date: 23.APR.2023 18:45:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

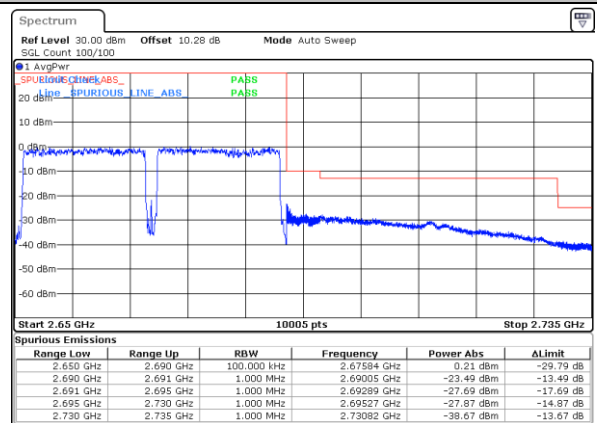
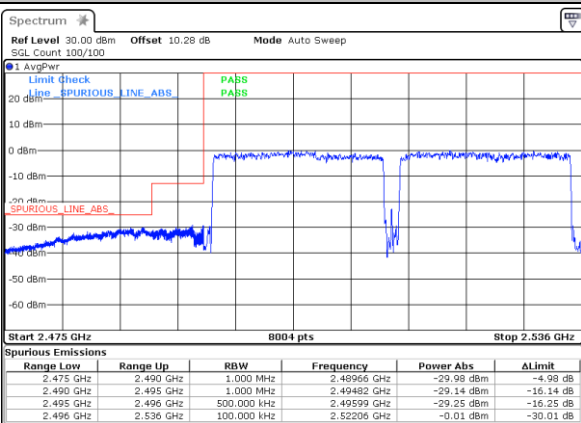


Date: 23.APR.2023 18:33:18

Date: 23.APR.2023 18:49:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.APR.2023 18:24:46

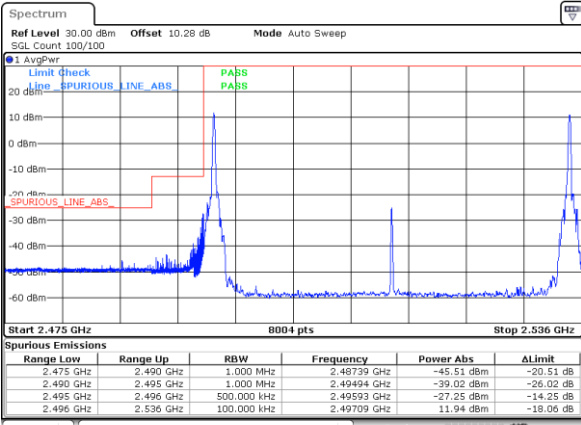
Date: 23.APR.2023 18:41:36



LTE Band 41C / 20MHz+20MHz

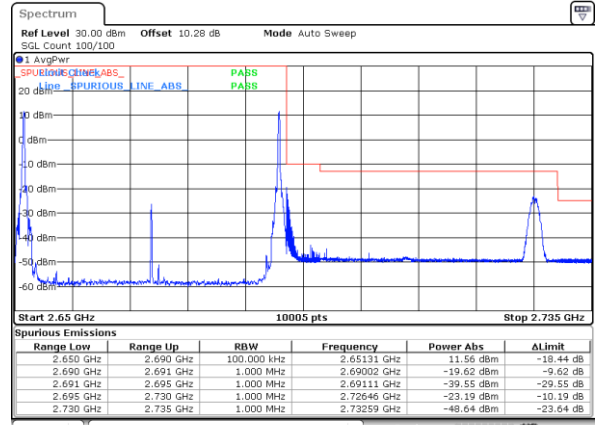
16QAM

Lowest Band Edge / 1RB0 and 1RB9



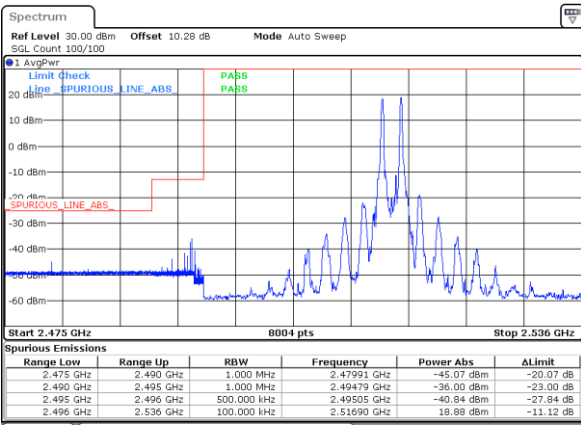
Date: 23.APR.2023 18:30:06

Highest Band Edge / 1RB0 and 1RB9



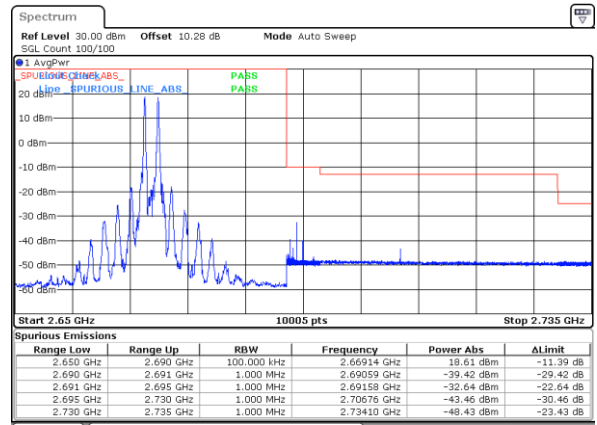
Date: 23.APR.2023 18:46:46

Lowest Band Edge / 1RB99 and 1RB0



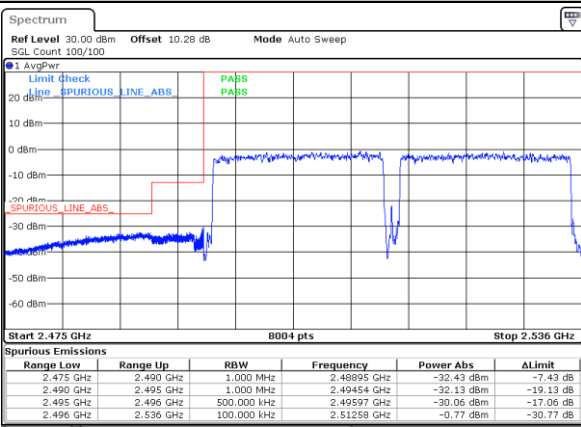
Date: 23.APR.2023 18:34:22

Highest Band Edge / 1RB99 and 1RB0



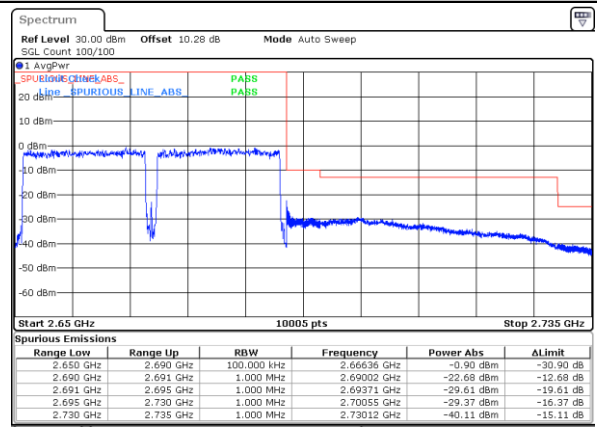
Date: 23.APR.2023 18:50:57

Lowest Band Edge / Full RB



Date: 23.APR.2023 18:25:50

Highest Band Edge / Full RB



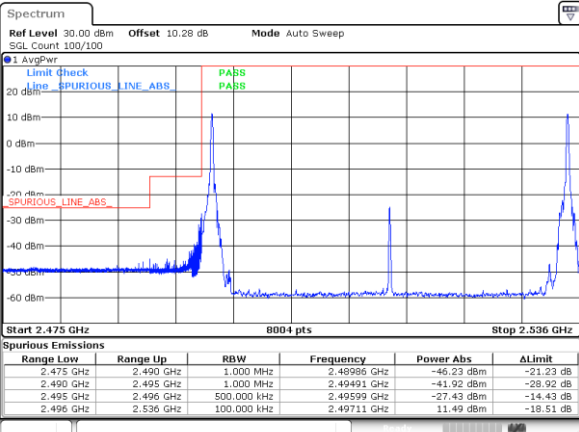
Date: 23.APR.2023 18:42:38



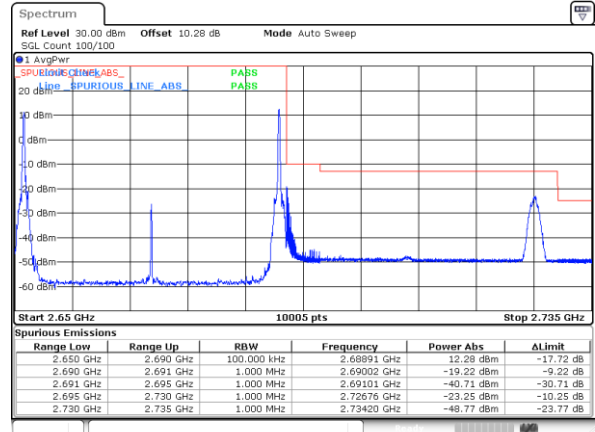
LTE Band 41C / 20MHz+20MHz

64QAM

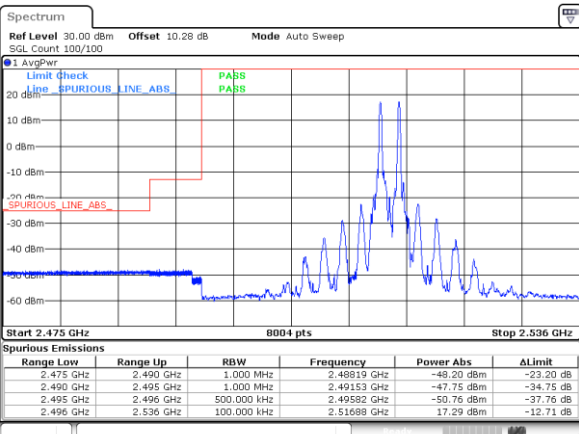
Lowest Band Edge / 1RB0 and 1RB9



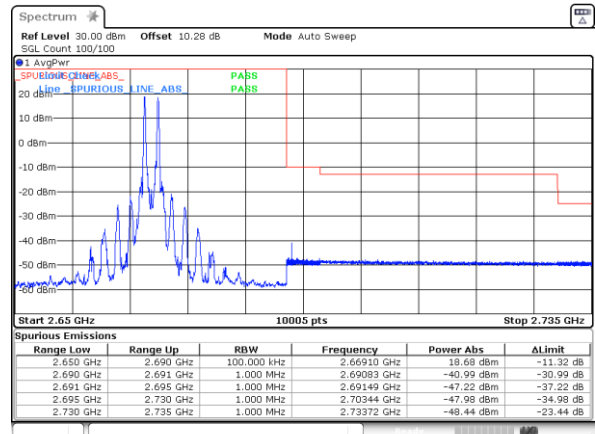
Highest Band Edge / 1RB0 and 1RB9



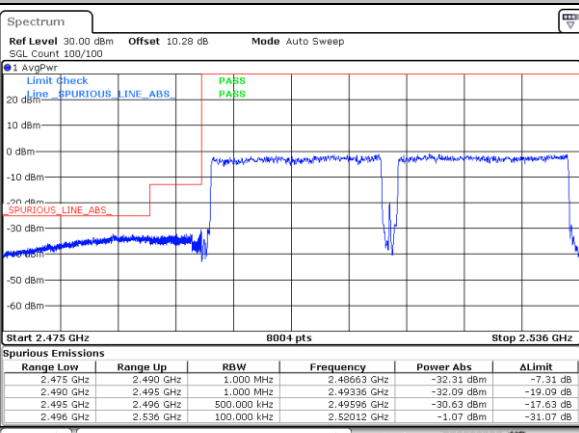
Lowest Band Edge / 1RB99 and 1RB0



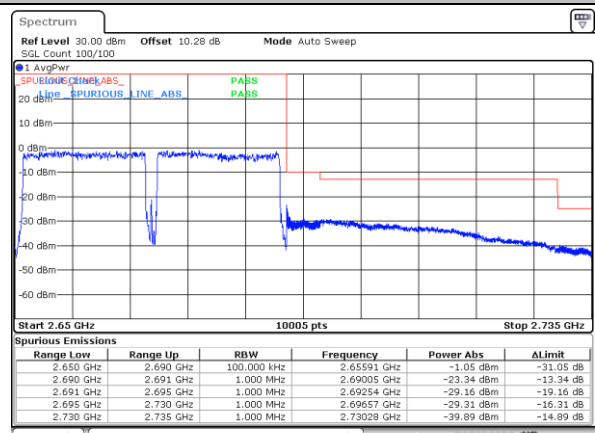
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



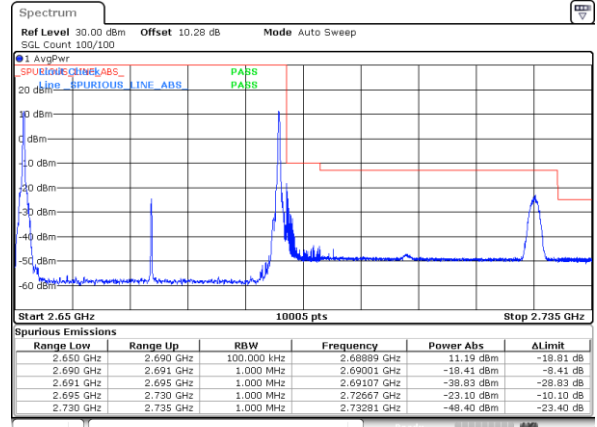
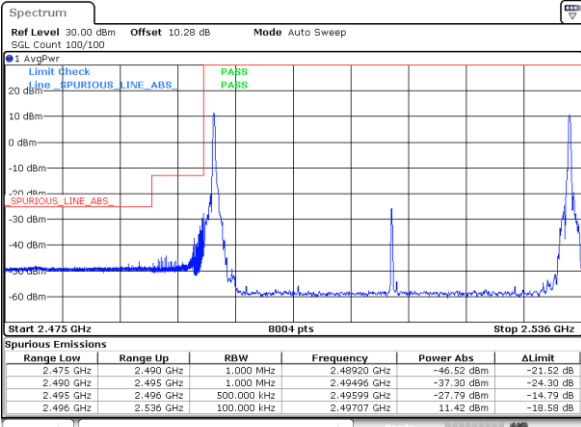


LTE Band 41C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

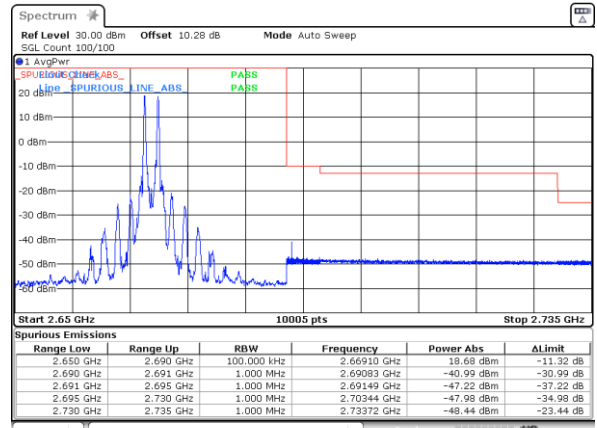
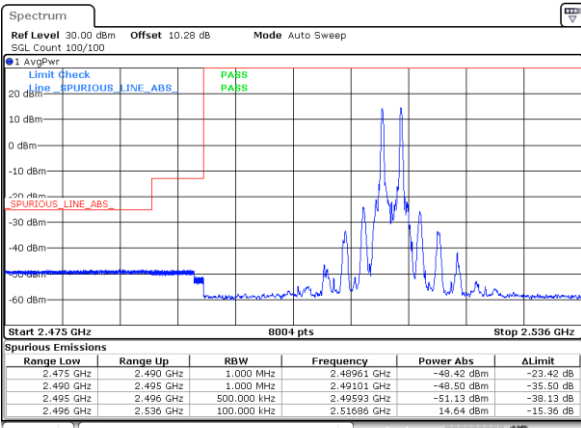


Date: 23.APR.2023 18:32:14

Date: 23.APR.2023 18:48:52

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

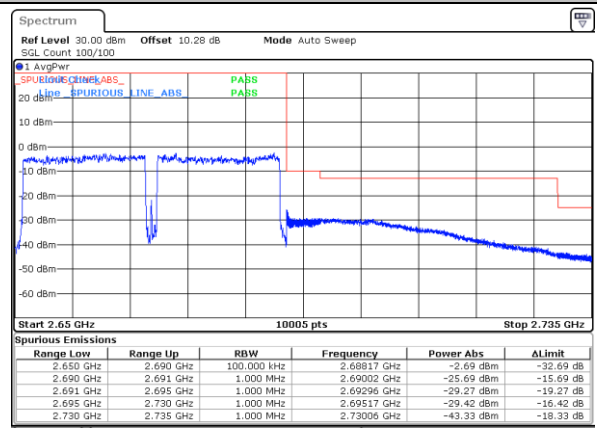
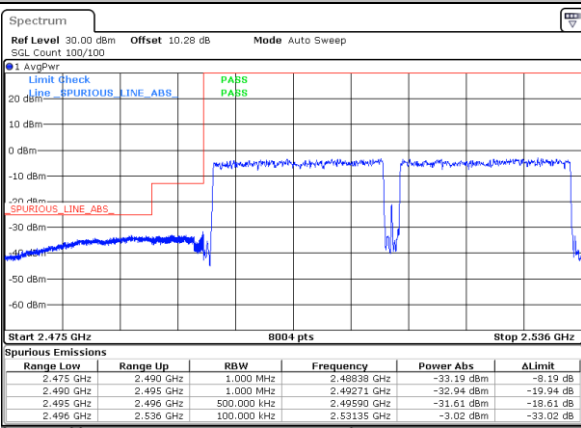


Date: 23.APR.2023 18:36:29

Date: 23.APR.2023 18:54:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

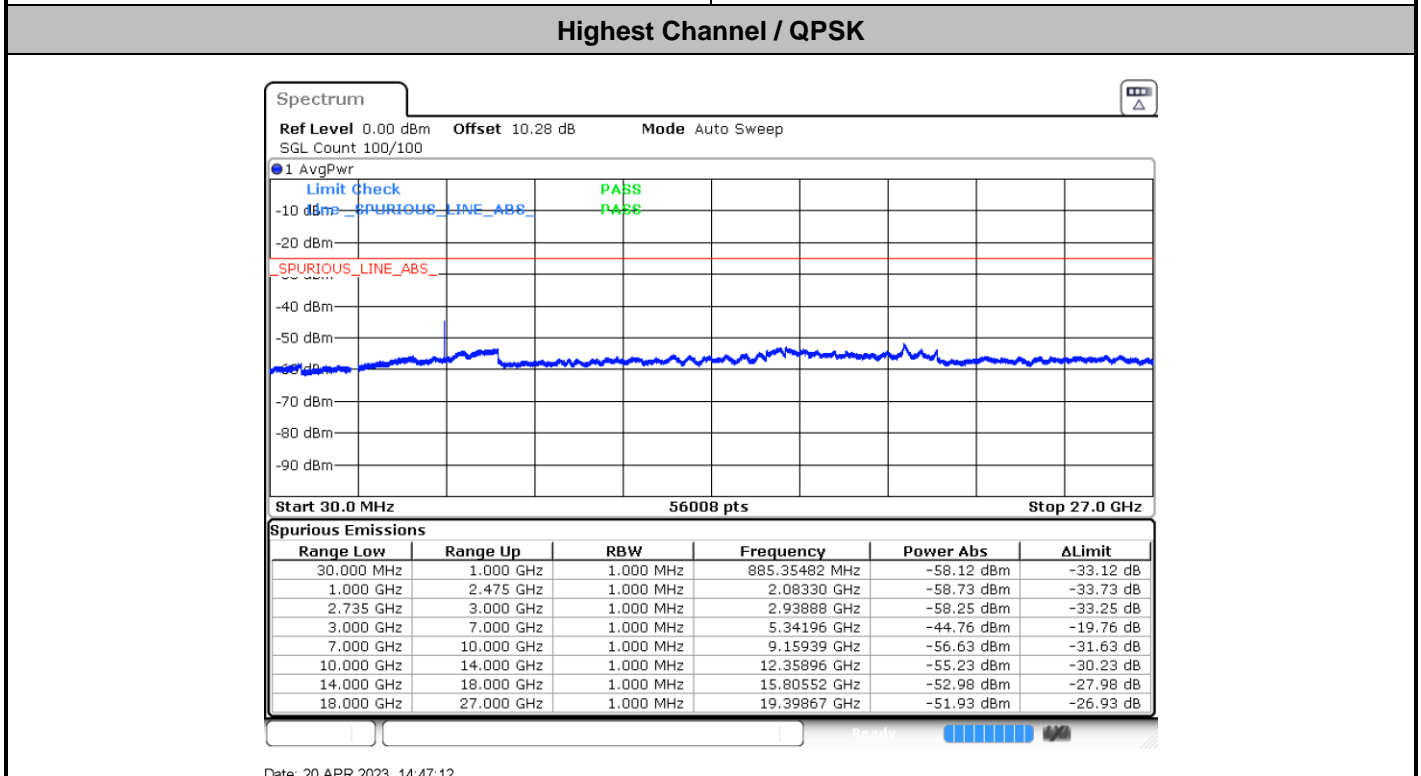
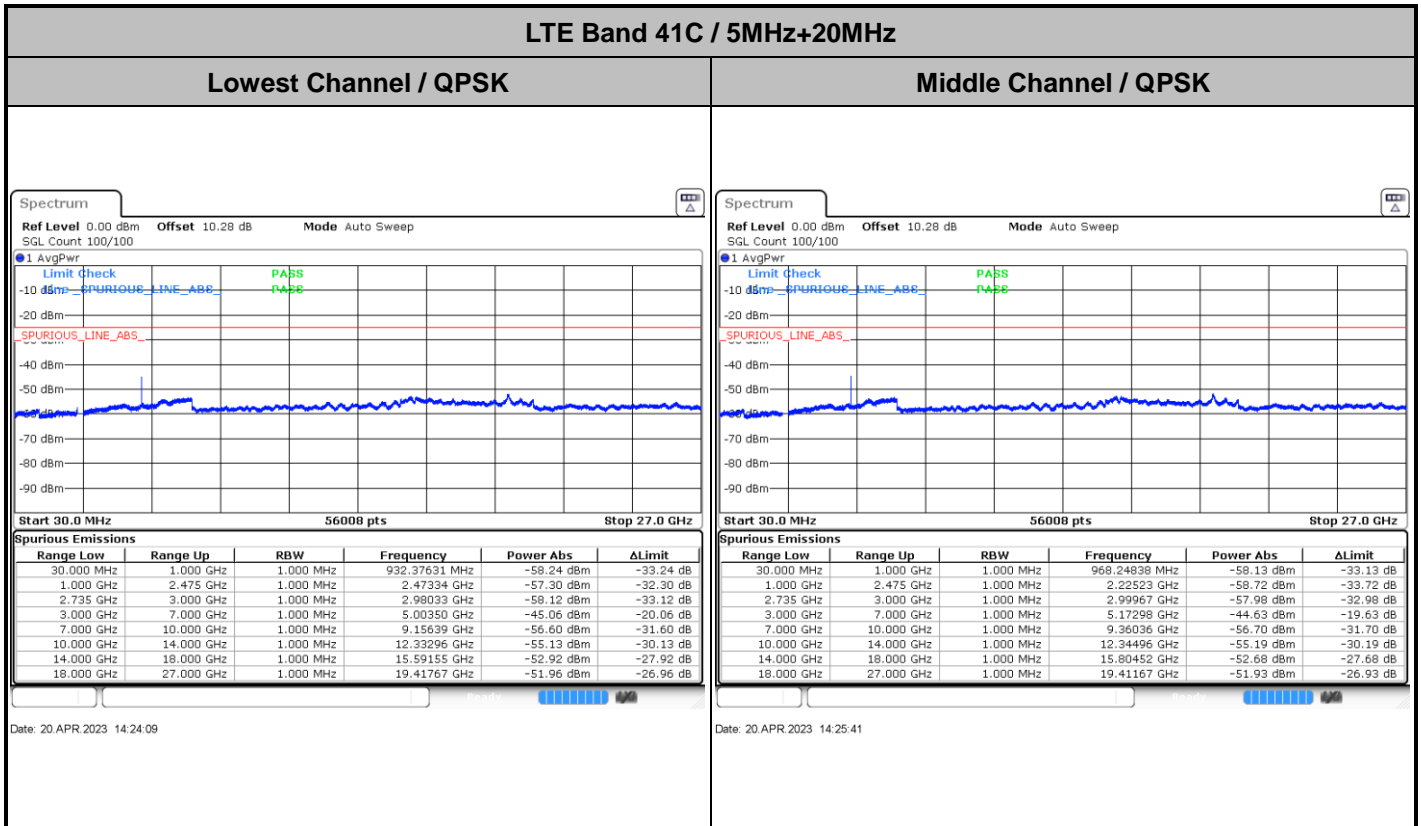


Date: 23.APR.2023 18:27:57

Date: 23.APR.2023 18:44:42



# Conducted Spurious Emission



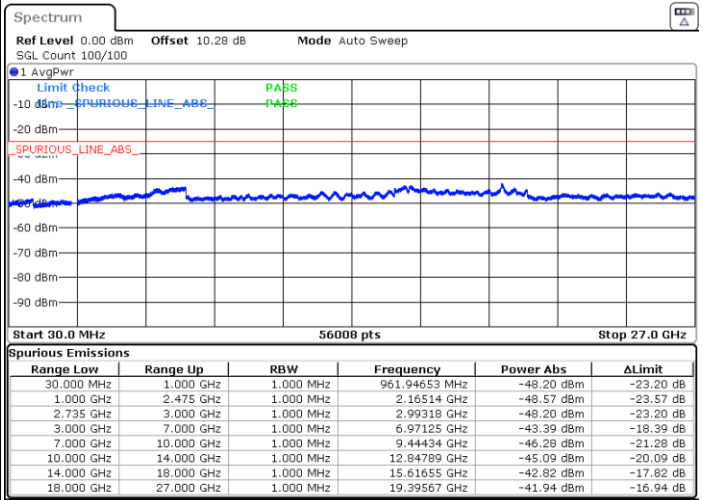
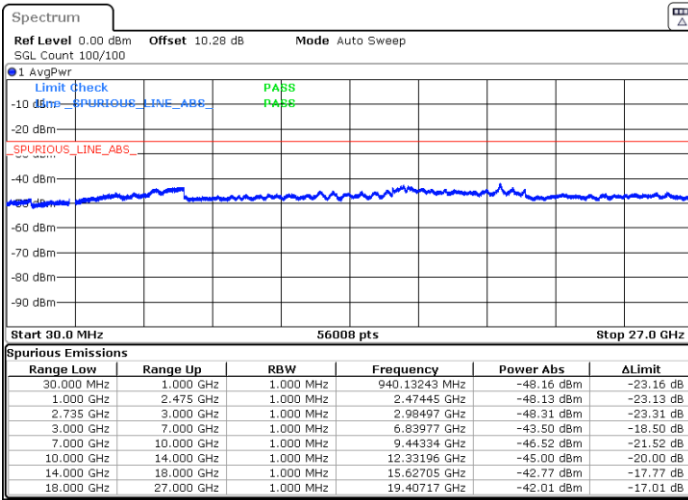




LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

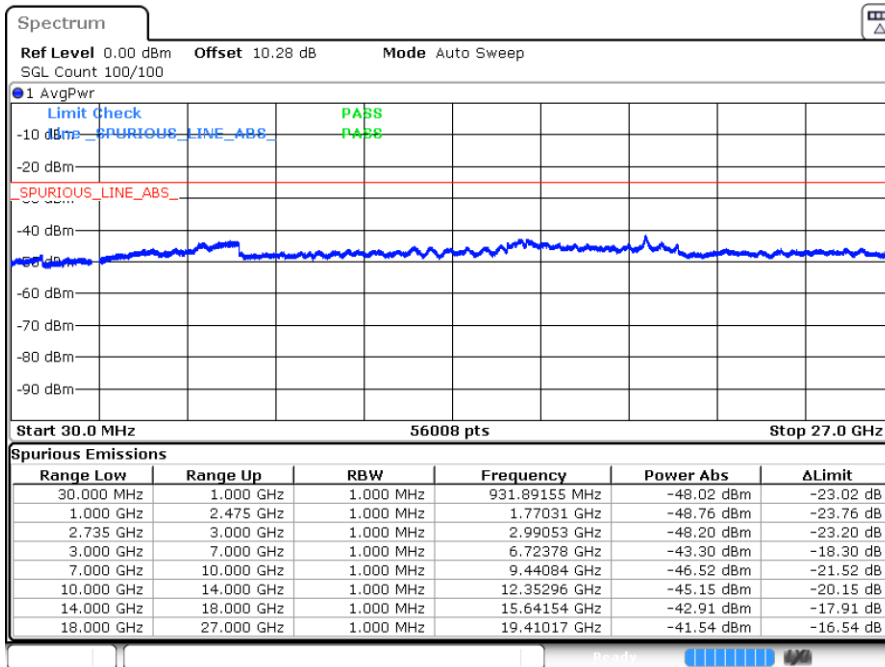
Middle Channel / QPSK



Date: 20 APR 2023 15:36:27

Date: 20 APR 2023 15:38:00

Highest Channel / QPSK



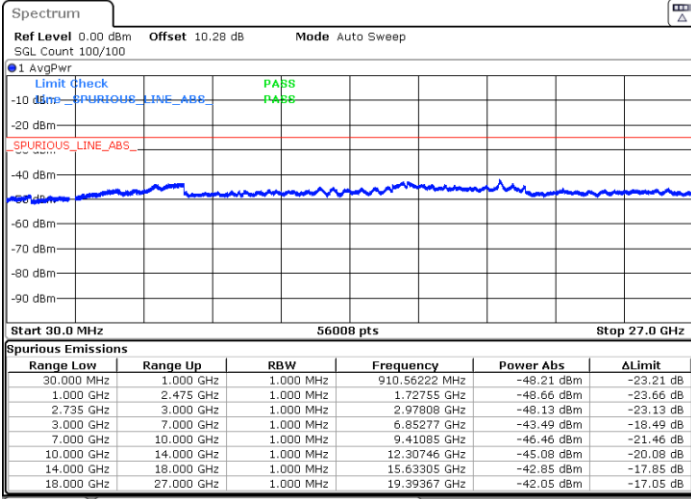
Date: 20 APR 2023 15:52:08



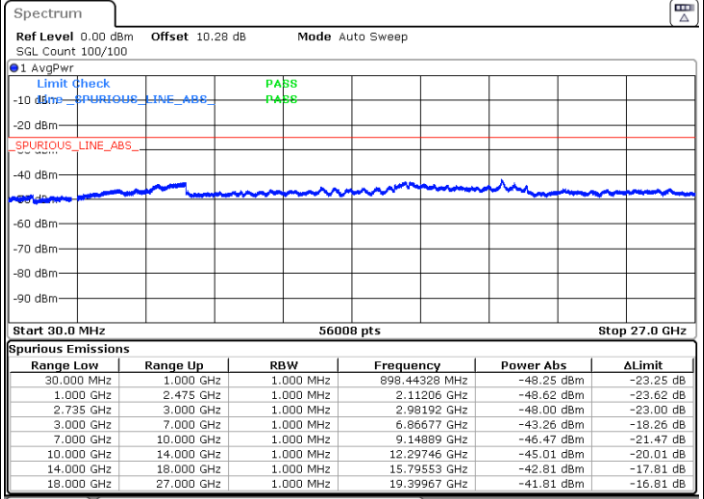
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

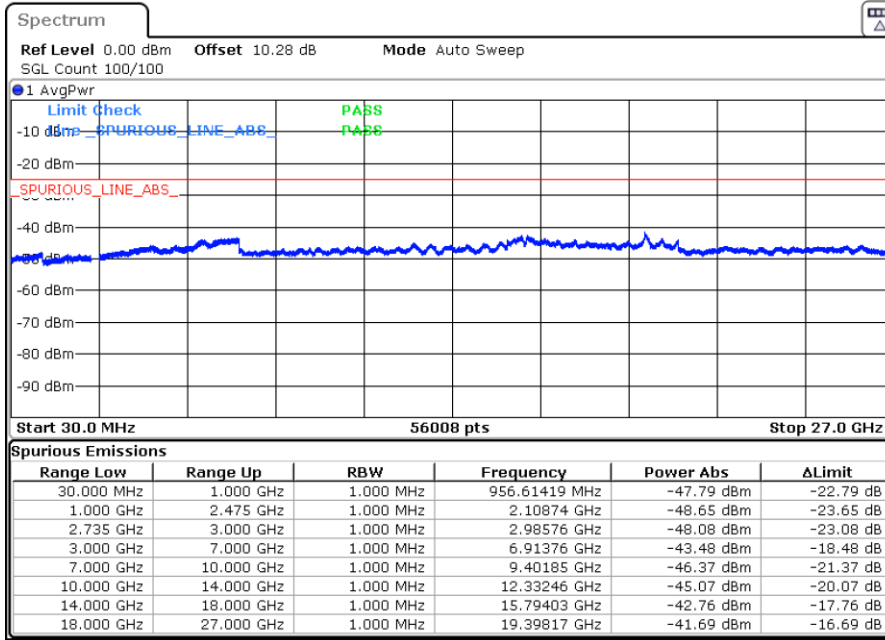


Date: 20 APR 2023 16:38:43



Date: 20 APR 2023 16:40:16

Highest Channel / QPSK



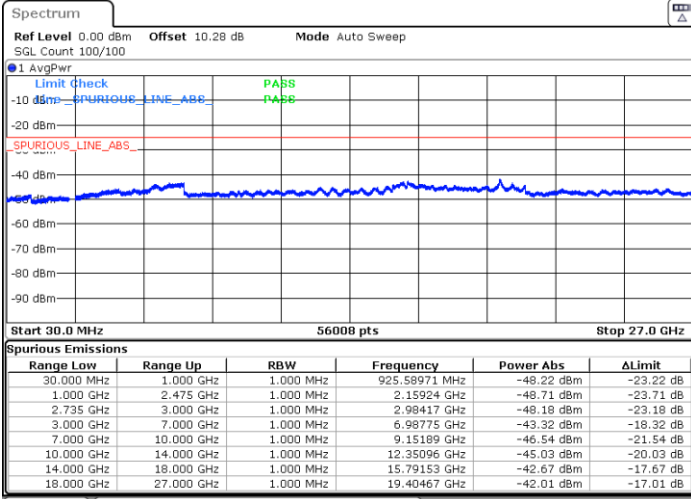
Date: 20 APR 2023 16:54:26



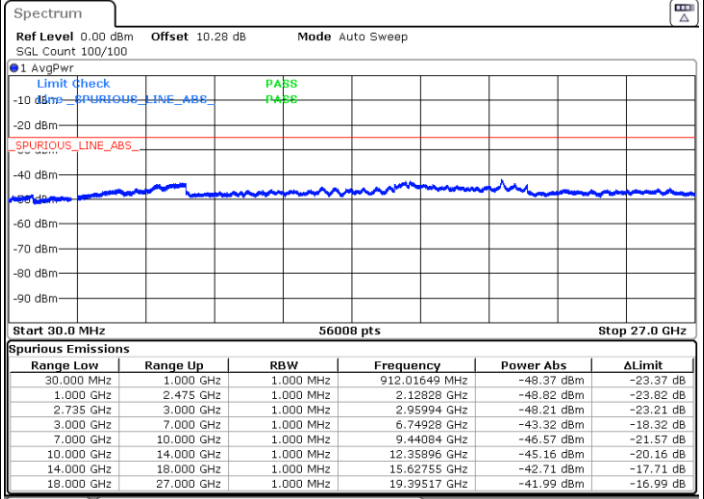
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

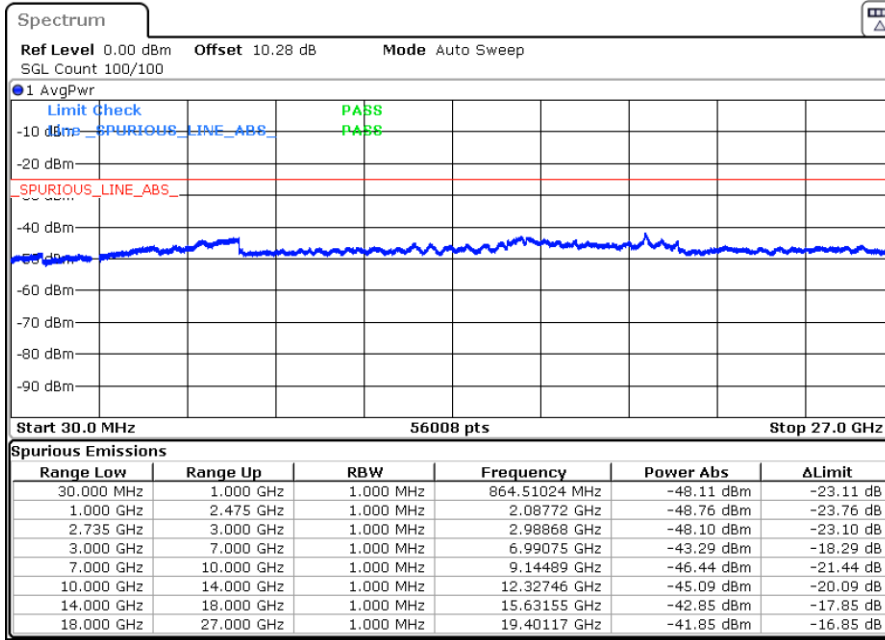


Date: 20 APR 2023 16:07:54



Date: 20 APR 2023 16:09:27

Highest Channel / QPSK



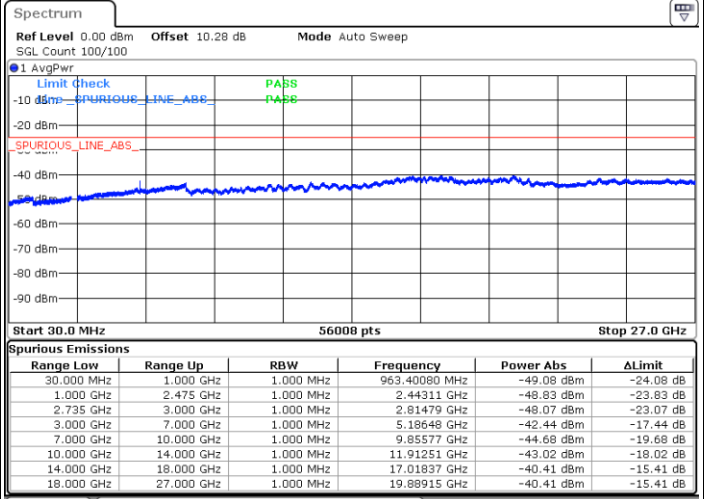
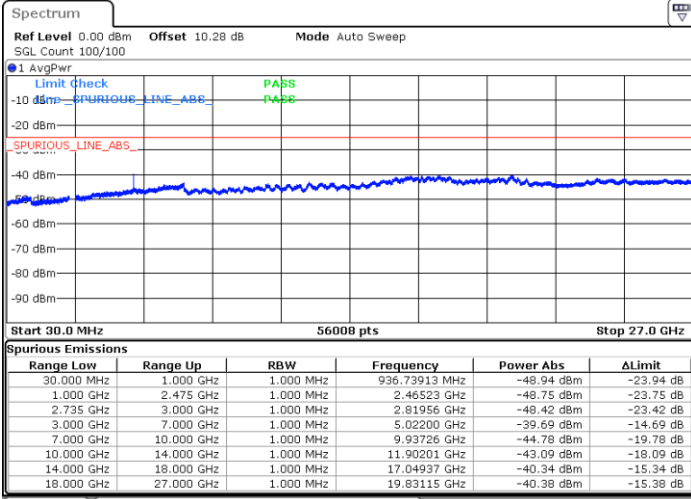
Date: 20 APR 2023 16:23:36



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

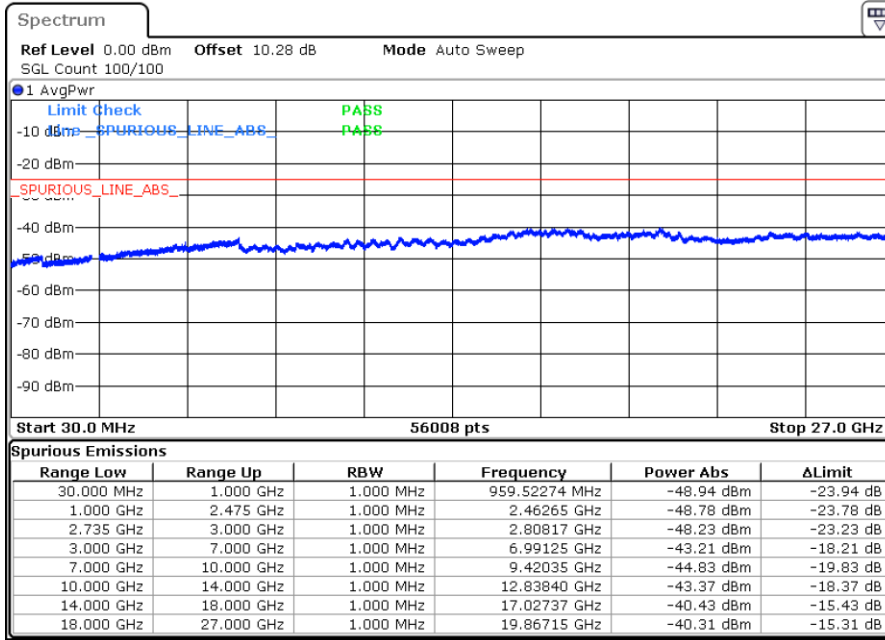
Middle Channel / QPSK



Date: 23.APR.2023 16:48:56

Date: 23.APR.2023 16:50:30

Highest Channel / QPSK



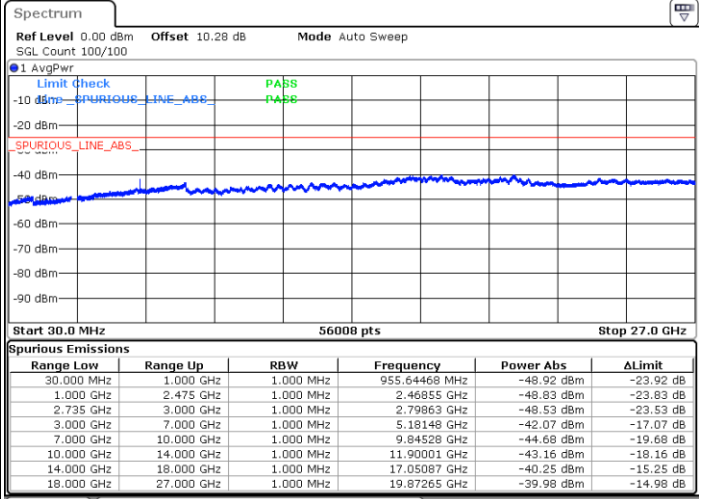
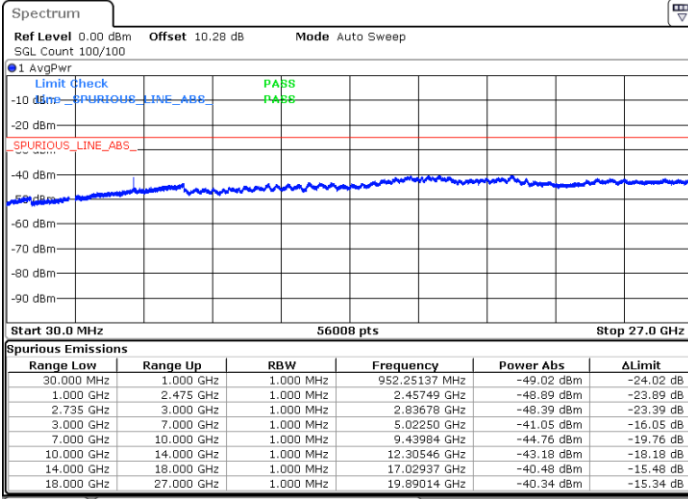
Date: 23.APR.2023 17:04:35



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

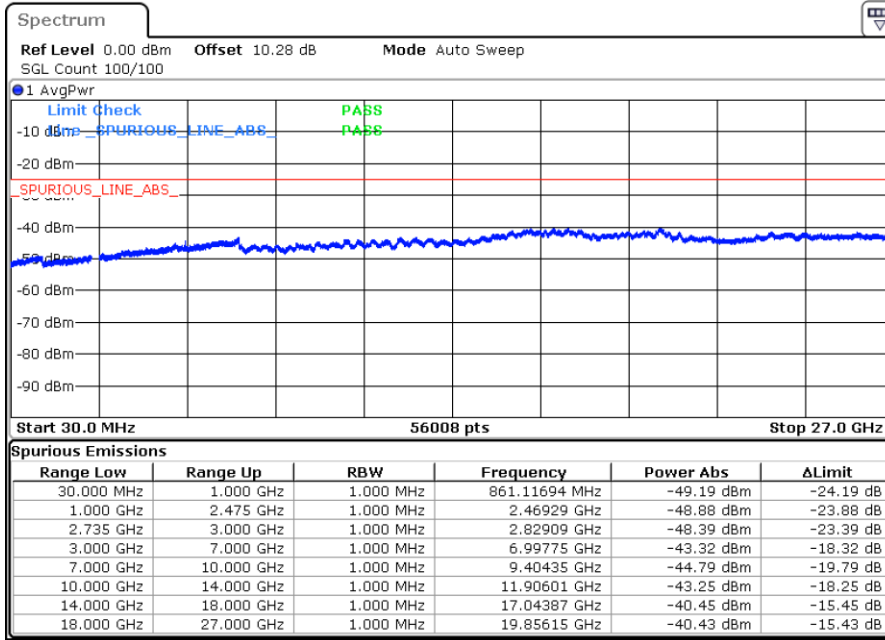
Middle Channel / QPSK



Date: 23.APR.2023 17:34:18

Date: 23.APR.2023 17:35:52

Highest Channel / QPSK



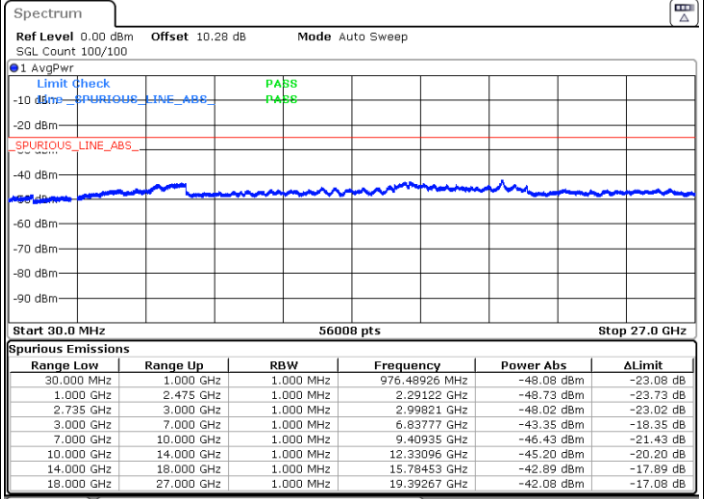
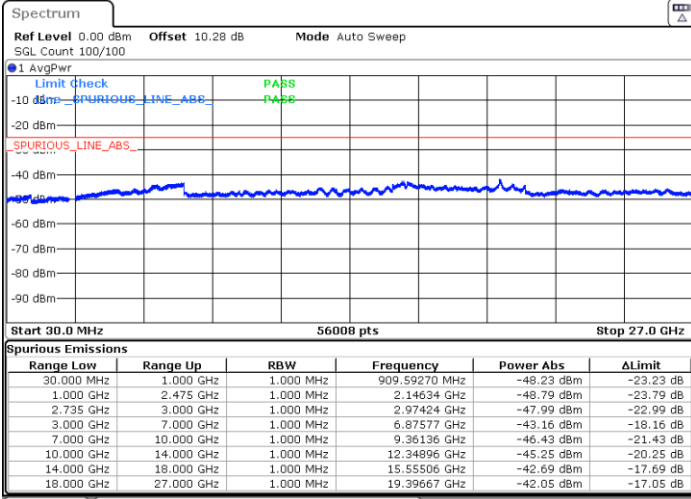
Date: 23.APR.2023 17:49:58



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

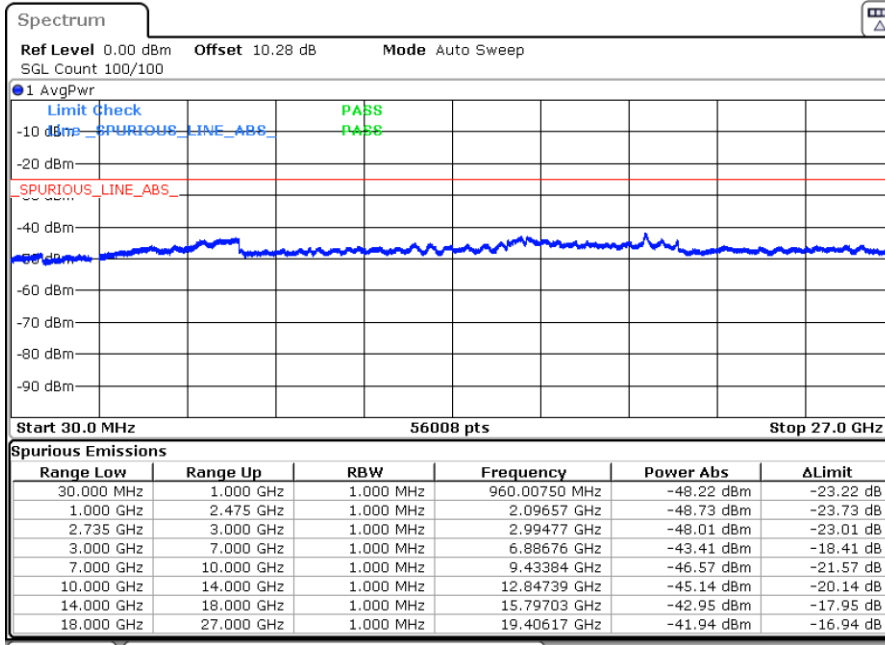
Middle Channel / QPSK



Date: 20 APR 2023 15:01:11

Date: 20 APR 2023 15:02:44

Highest Channel / QPSK



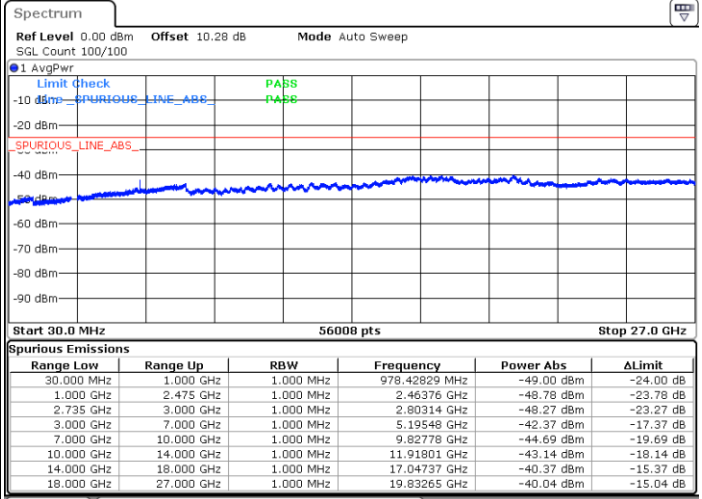
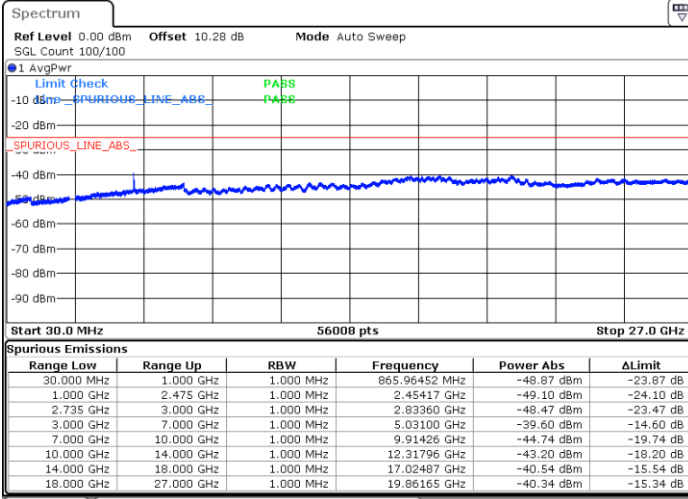
Date: 20 APR 2023 15:16:52



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

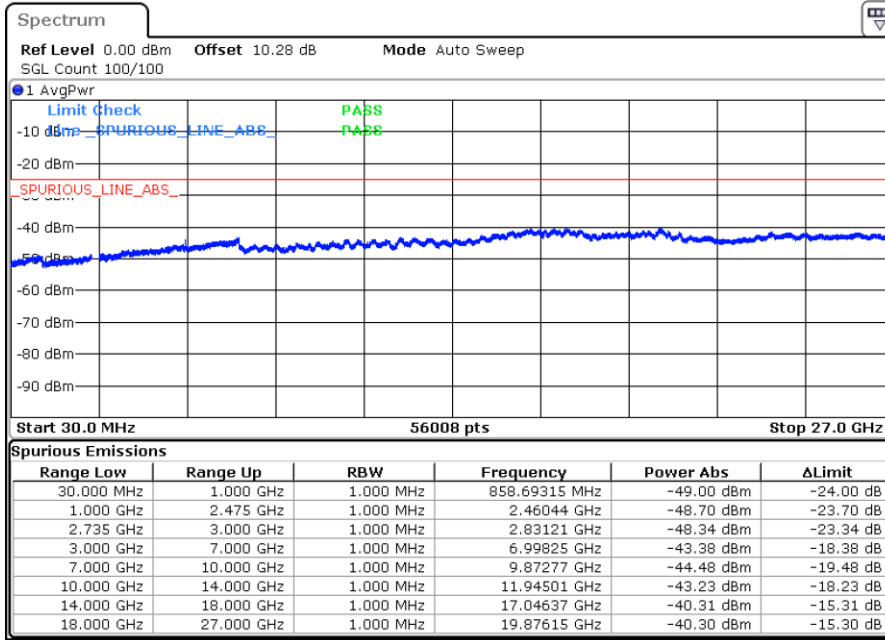
Middle Channel / QPSK



Date: 23.APR.2023 16:14:58

Date: 23.APR.2023 16:16:31

Highest Channel / QPSK



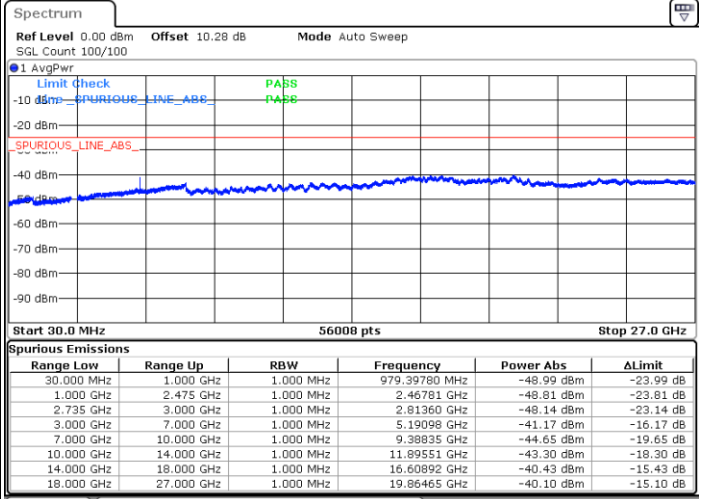
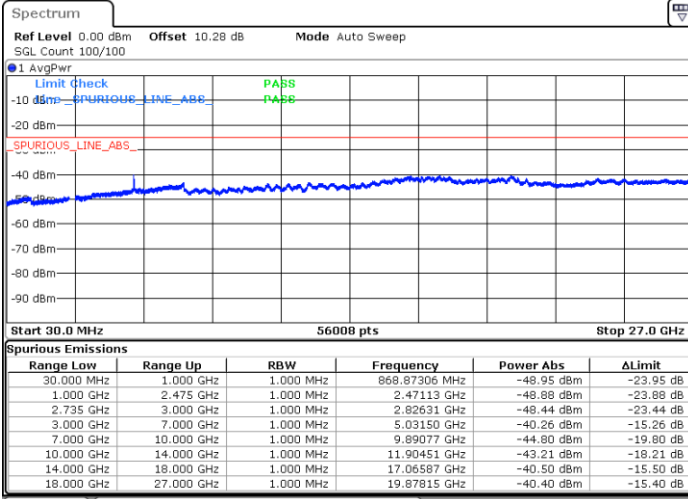
Date: 23.APR.2023 16:30:42



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

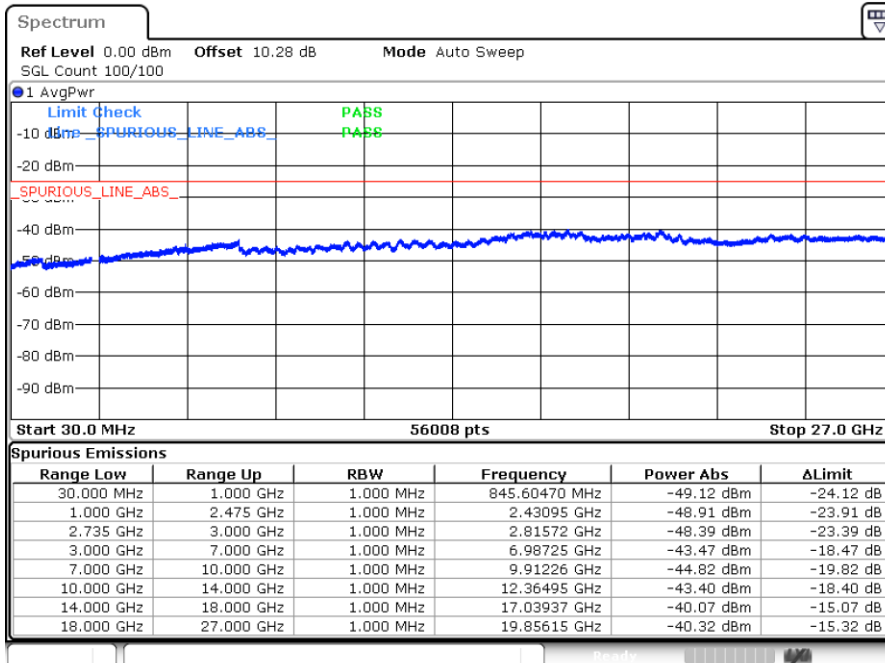
Middle Channel / QPSK



Date: 23.APR.2023 18:04:23

Date: 23.APR.2023 18:05:57

Highest Channel / QPSK



Date: 23.APR.2023 18:23:36

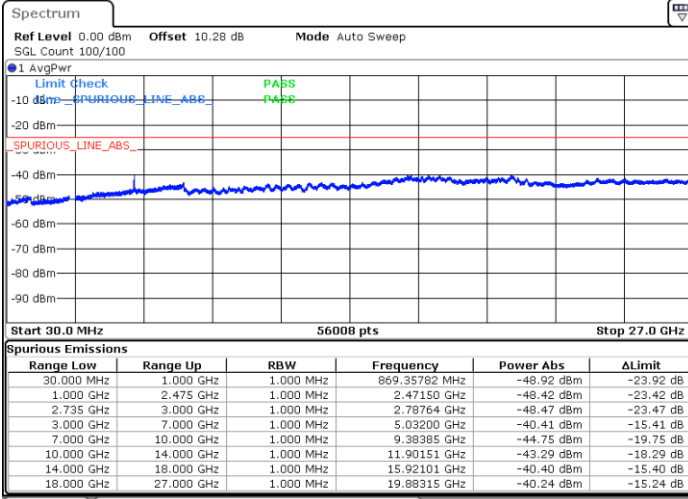




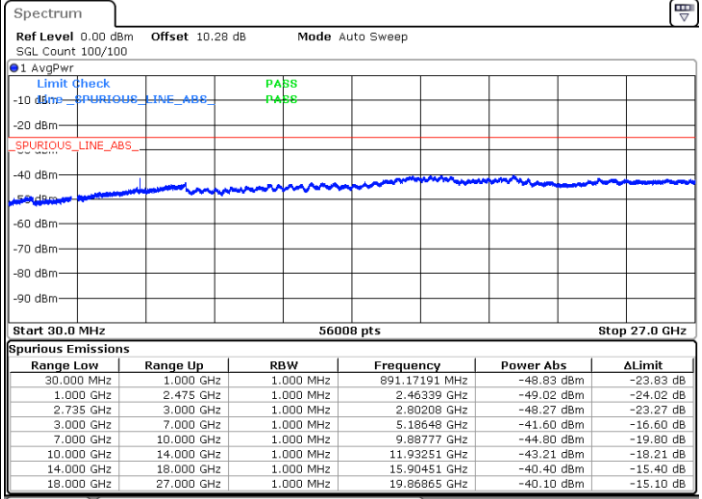
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

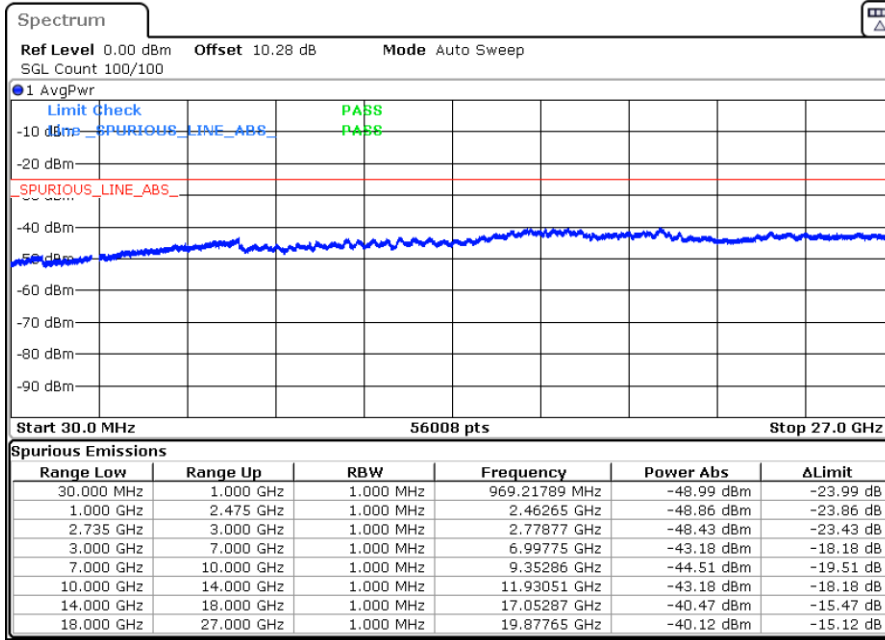


Date: 23.APR.2023 18:37:57



Date: 23.APR.2023 18:39:31

Highest Channel / QPSK



Date: 23.APR.2023 18:56:59



### Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0008	

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 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 7 / 20MHz / QPSK (ANT0) Main PA								
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)
Lowest	5002	-63.17	-25	-38.17	-73.38	3.03	13.24	H
	7503	-54.68	-25	-29.68	-64.13	3.56	13.01	H
	10004	-62.54	-25	-37.54	-72.06	3.92	13.44	H
	5002	-63.06	-25	-38.06	-73.27	3.03	13.24	V
	7503	-51.87	-25	-26.87	-61.32	3.56	13.01	V
	10004	-63.07	-25	-38.07	-72.59	3.92	13.44	V
Middle	5052	-62.61	-25	-37.61	-72.82	3.03	13.24	H
	7578	-56.35	-25	-31.35	-65.80	3.56	13.01	H
	10104	-61.62	-25	-36.62	-71.14	3.92	13.44	H
	5052	-62.97	-25	-37.97	-73.18	3.03	13.24	V
	7578	-50.16	-25	-25.16	-59.61	3.56	13.01	V
	10104	-62.49	-25	-37.49	-72.01	3.92	13.44	V
Highest	5106	-63.20	-25	-38.20	-73.41	3.03	13.24	H
	7654	-54.64	-25	-29.64	-64.09	3.56	13.01	H
	10202	-62.29	-25	-37.29	-71.81	3.92	13.44	H
	5106	-64.76	-25	-39.76	-74.97	3.03	13.24	V
	7654	-57.73	-25	-32.73	-67.18	3.56	13.01	V
	10202	-63.75	-25	-38.75	-73.27	3.92	13.44	V

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

LTE Band 7 / 20MHz / QPSK (ANT0) Other PA								
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)
Lowest	5002	-62.54	-25	-37.54	-72.75	3.03	13.24	H
	7503	-52.53	-25	-27.53	-61.98	3.56	13.01	H
	10004	-62.35	-25	-37.35	-71.87	3.92	13.44	H
	5002	-62.31	-25	-37.31	-72.52	3.03	13.24	V
	7503	-50.01	-25	-25.01	-59.46	3.56	13.01	V
	10004	-62.64	-25	-37.64	-72.16	3.92	13.44	V
Middle	5052	-62.77	-25	-37.77	-72.98	3.03	13.24	H
	7578	-49.61	-25	-24.61	-59.06	3.56	13.01	H
	10104	-62.20	-25	-37.20	-71.72	3.92	13.44	H
	5052	-62.72	-25	-37.72	-72.93	3.03	13.24	V
	7578	-49.14	-25	-24.14	-58.59	3.56	13.01	V
	10104	-62.48	-25	-37.48	-72.00	3.92	13.44	V
Highest	5102	-64.21	-25	-39.21	-74.42	3.03	13.24	H
	7652	-53.65	-25	-28.65	-63.10	3.56	13.01	H



	10204	-61.98	-25	-36.98	-71.50	3.92	13.44	H
	5102	-61.74	-25	-36.74	-71.95	3.03	13.24	V
	7652	-51.93	-25	-26.93	-61.38	3.56	13.01	V
	10204	-62.28	-25	-37.28	-71.80	3.92	13.44	V

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

1RB0

LTE Band 7C_CA / 20MHz+20MHz / QPSK (ANT0)								
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)
Lowest	5002	-63.18	-25	-38.18	-73.39	3.03	13.24	H
	7503	-54.89	-25	-29.89	-64.34	3.56	13.01	H
	10004	-62.37	-25	-37.37	-71.89	3.92	13.44	H
	5002	-63.05	-25	-38.05	-73.26	3.03	13.24	V
	7503	-53.40	-25	-28.40	-62.85	3.56	13.01	V
	10004	-62.60	-25	-37.60	-72.12	3.92	13.44	V
Middle	5032	-62.17	-25	-37.17	-72.38	3.03	13.24	H
	7548	-54.05	-25	-29.05	-63.50	3.56	13.01	H
	10064	-62.63	-25	-37.63	-72.15	3.92	13.44	H
	5032	-62.70	-25	-37.70	-72.91	3.03	13.24	V
	7548	-51.98	-25	-26.98	-61.43	3.56	13.01	V
	10064	-62.87	-25	-37.87	-72.39	3.92	13.44	V
Highest	5062	-62.89	-25	-37.89	-73.10	3.03	13.24	H
	7593	-51.73	-25	-26.73	-61.18	3.56	13.01	H
	10125	-61.97	-25	-36.97	-71.49	3.92	13.44	H
	5062	-62.94	-25	-37.94	-73.15	3.03	13.24	V
	7593	-51.38	-25	-26.38	-60.83	3.56	13.01	V
	10125	-61.89	-25	-36.89	-71.41	3.92	13.44	V

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

1RBMAX

LTE Band 7C_CA / 20MHz+20MHz / QPSK (ANT0)								
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)
Lowest	5041	-63.06	-25	-38.06	-73.27	3.03	13.24	H
	7562	-62.48	-25	-37.48	-71.93	3.56	13.01	H
	10083	-62.31	-25	-37.31	-71.83	3.92	13.44	H
	5041	-63.19	-25	-38.19	-73.40	3.03	13.24	V
	7562	-62.27	-25	-37.27	-71.72	3.56	13.01	V
	10083	-62.57	-25	-37.57	-72.09	3.92	13.44	V
Middle	5071	-62.89	-25	-37.89	-73.10	3.03	13.24	H
	7607	-62.38	-25	-37.38	-71.83	3.56	13.01	H
	10143	-61.98	-25	-36.98	-71.50	3.92	13.44	H
	5071	-63.12	-25	-38.12	-73.33	3.03	13.24	V
	7607	-62.64	-25	-37.64	-72.09	3.56	13.01	V
	10143	-62.03	-25	-37.03	-71.55	3.92	13.44	V
Highest	5102	-63.03	-25	-38.03	-73.24	3.03	13.24	H



	7654	-62.19	-25	-37.19	-71.64	3.56	13.01	H
	10204	-62.01	-25	-37.01	-71.53	3.92	13.44	H
	5106	-62.99	-25	-37.99	-73.20	3.03	13.24	V
	7654	-62.08	-25	-37.08	-71.53	3.56	13.01	V
	10204	-62.17	-25	-37.17	-71.69	3.92	13.44	V

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

LTE Band 41 / 20MHz / QPSK (ANT0) Main PA								
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)
Lowest	4994	-62.74	-25	-37.74	-72.95	3.03	13.24	H
	7486	-57.70	-25	-32.70	-67.15	3.56	13.01	H
	9992	-61.88	-25	-36.88	-71.40	3.92	13.44	H
	4994	-63.03	-25	-38.03	-73.24	3.03	13.24	V
	7486	-52.14	-25	-27.14	-61.59	3.56	13.01	V
	9992	-61.89	-25	-36.89	-71.41	3.92	13.44	V
Middle	5162	-61.42	-25	-36.42	-71.63	3.03	13.24	H
	7752	-53.46	-25	-28.46	-62.91	3.56	13.01	H
	10342	-61.14	-25	-36.14	-70.66	3.92	13.44	H
	5162	-60.76	-25	-35.76	-70.97	3.03	13.24	V
	7752	-47.44	-25	-22.44	-56.89	3.56	13.01	V
	10342	-61.49	-25	-36.49	-71.01	3.92	13.44	V
Highest	5344	-65.28	-25	-40.28	-75.49	3.03	13.24	H
	8018	-55.37	-25	-30.37	-64.82	3.56	13.01	H
	10678	-61.00	-25	-36.00	-70.52	3.92	13.44	H
	5344	-64.60	-25	-39.60	-74.81	3.03	13.24	V
	8018	-51.35	-25	-26.35	-60.80	3.56	13.01	V
	10678	-61.32	-25	-36.32	-70.84	3.92	13.44	V

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

LTE Band 41 / 20MHz / QPSK (ANT0) Other PA								
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)
Lowest	4994	-62.26	-25	-37.26	-72.47	3.03	13.24	H
	7491	-62.52	-25	-37.52	-71.97	3.56	13.01	H
	9988	-62.21	-25	-37.21	-71.73	3.92	13.44	H
	4994	-62.68	-25	-37.68	-72.89	3.03	13.24	V
	7491	-62.08	-25	-37.08	-71.53	3.56	13.01	V
	9988	-62.08	-25	-37.08	-71.60	3.92	13.44	V
Middle	5168	-62.99	-25	-37.99	-73.20	3.03	13.24	H
	7752	-61.92	-25	-36.92	-71.37	3.56	13.01	H
	10336	-61.65	-25	-36.65	-71.17	3.92	13.44	H
	5168	-62.84	-25	-37.84	-73.05	3.03	13.24	V
	7752	-61.88	-25	-36.88	-71.33	3.56	13.01	V
	10336	-61.81	-25	-36.81	-71.33	3.92	13.44	V



Highest	5342	-64.79	-25	-39.79	-75.00	3.03	13.24	H
	8013	-61.86	-25	-36.86	-71.31	3.56	13.01	H
	10684	-61.66	-25	-36.66	-71.18	3.92	13.44	H
	5342	-64.54	-25	-39.54	-74.75	3.03	13.24	V
	8013	-61.81	-25	-36.81	-71.26	3.56	13.01	V
	10684	-61.92	-25	-36.92	-71.44	3.92	13.44	V

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

1RB0

LTE Band 41C_CA / 20MHz+20MHz / QPSK (ANT0)								
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)
Lowest	4994	-56.72	-25	-31.72	-66.93	3.03	13.24	H
	7491	-49.52	-25	-24.52	-58.97	3.56	13.01	H
	9988	-62.32	-25	-37.32	-71.84	3.92	13.44	H
	4994	-57.38	-25	-32.38	-67.59	3.03	13.24	V
	7491	-50.17	-25	-25.17	-59.62	3.56	13.01	V
	9988	-62.31	-25	-37.31	-71.83	3.92	13.44	V
Middle	5148	-59.74	-25	-34.74	-69.95	3.03	13.24	H
	7724	-44.69	-25	-19.69	-54.14	3.56	13.01	H
	10296	-62.58	-25	-37.58	-72.10	3.92	13.44	H
	5148	-62.00	-25	-37.00	-72.21	3.03	13.24	V
	7724	-45.39	-25	-20.39	-54.84	3.56	13.01	V
	10296	-62.74	-25	-37.74	-72.26	3.92	13.44	V
Highest	5302	-61.33	-25	-36.33	-71.54	3.03	13.24	H
	7953	-40.48	-25	-15.48	-49.93	3.56	13.01	H
	10605	-60.87	-25	-35.87	-70.39	3.92	13.44	H
	5302	-64.18	-25	-39.18	-74.39	3.03	13.24	V
	7953	-46.43	-25	-21.43	-55.88	3.56	13.01	V
	10605	-60.90	-25	-35.90	-70.42	3.92	13.44	V

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

1RBMAX

LTE Band 41C_CA / 20MHz+20MHz / QPSK (ANT0)								
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)
Lowest	5033	-62.58	-25	-37.58	-72.79	3.03	13.24	H
	7550	-62.39	-25	-37.39	-71.84	3.56	13.01	H
	10067	-62.48	-25	-37.48	-72.00	3.92	13.44	H
	5033	-62.92	-25	-37.92	-73.13	3.03	13.24	V
	7550	-62.47	-25	-37.47	-71.92	3.56	13.01	V
	10067	-62.60	-25	-37.60	-72.12	3.92	13.44	V
Middle	5187	-62.73	-25	-37.73	-72.94	3.03	13.24	H
	7780	-62.52	-25	-37.52	-71.97	3.56	13.01	H
	10375	-61.56	-25	-36.56	-71.08	3.92	13.44	H
	5187	-62.77	-25	-37.77	-72.98	3.03	13.24	V
	7780	-62.49	-25	-37.49	-71.94	3.56	13.01	V



	10375	-61.99	-25	-36.99	-71.51	3.92	13.44	V
Highest	5344	-65.03	-25	-40.03	-75.24	3.03	13.24	H
	8018	-62.63	-25	-37.63	-72.08	3.56	13.01	H
	10678	-61.39	-25	-36.39	-70.91	3.92	13.44	H
	5344	-64.36	-25	-39.36	-74.57	3.03	13.24	V
	8018	-62.01	-25	-37.01	-71.46	3.56	13.01	V
	10678	-61.10	-25	-36.10	-70.62	3.92	13.44	V

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