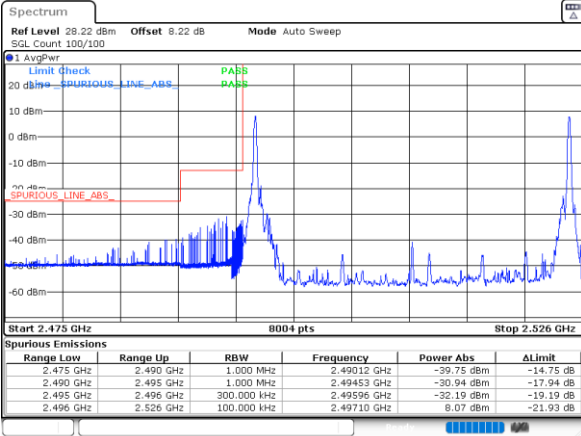




LTE Band 41C / 20MHz+10MHz

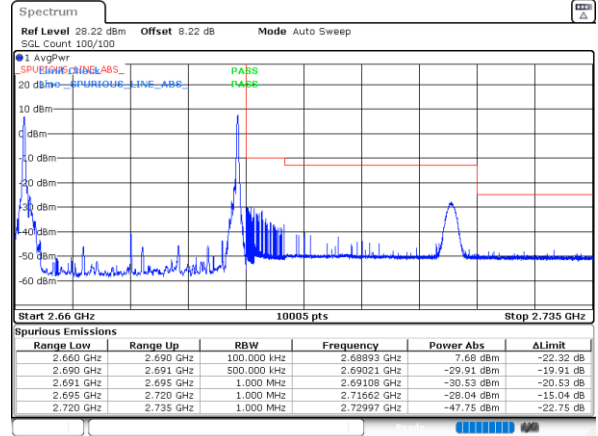
64QAM

Lowest Band Edge / 1RB0 and 1RB49



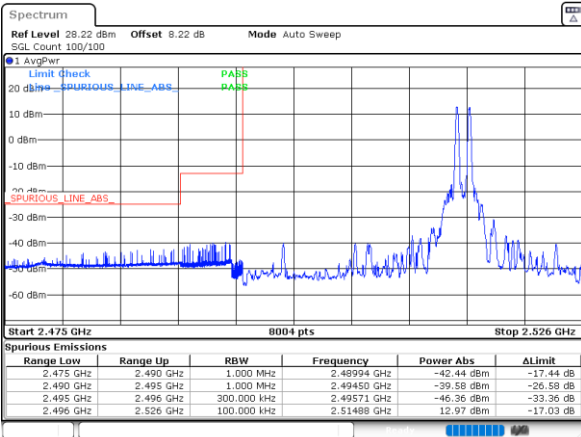
Date: 25.OCT.2022 17:43:36

Highest Band Edge / 1RB0 and 1RB49



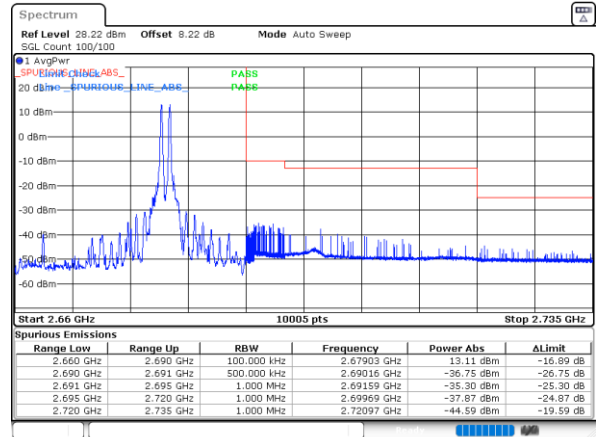
Date: 25.OCT.2022 17:57:07

Lowest Band Edge / 1RB99 and 1RB0



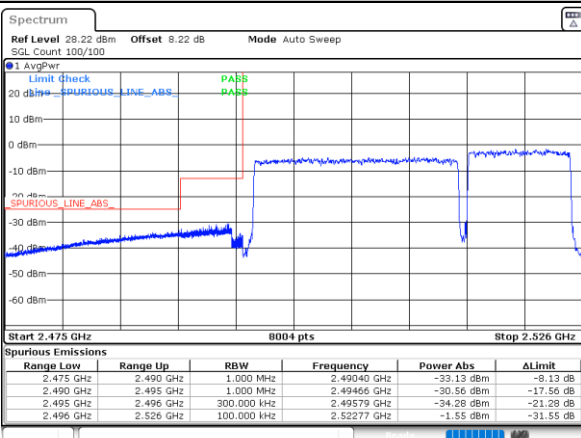
Date: 25.OCT.2022 17:50:54

Highest Band Edge / 1RB99 and 1RB0



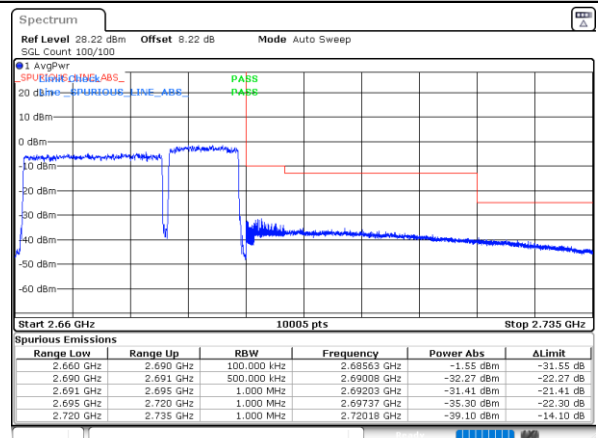
Date: 25.OCT.2022 18:04:24

Lowest Band Edge / Full RB



Date: 25.OCT.2022 17:42:09

Highest Band Edge / Full RB



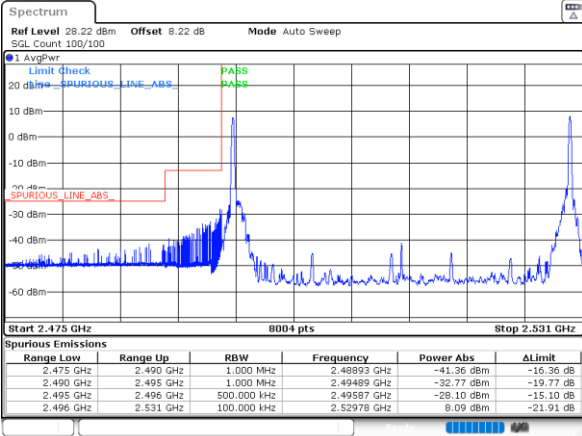
Date: 25.OCT.2022 17:55:39



LTE Band 41C / 20MHz+15MHz

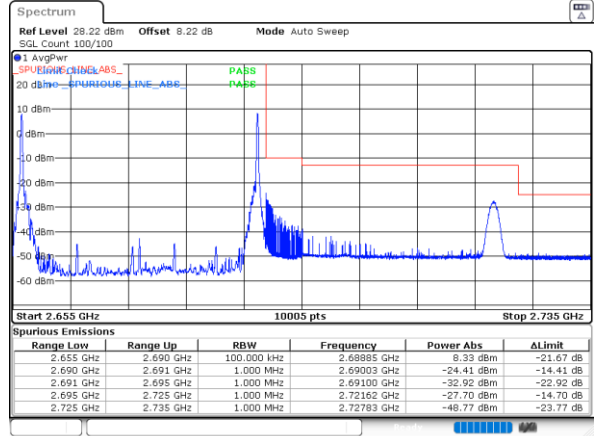
QPSK

Lowest Band Edge / 1RB0 and 1RB74



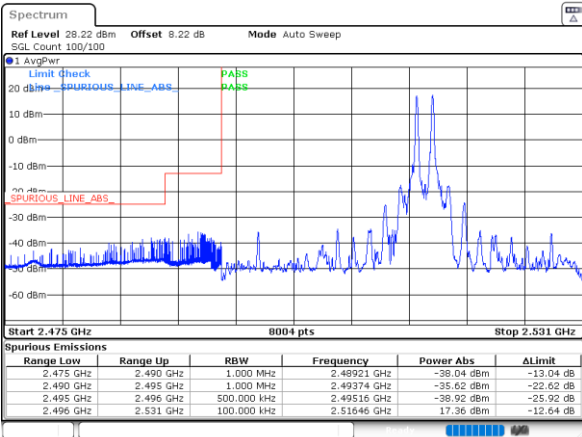
Date: 26.OCT.2022 14:27:22

Highest Band Edge / 1RB0 and 1RB74



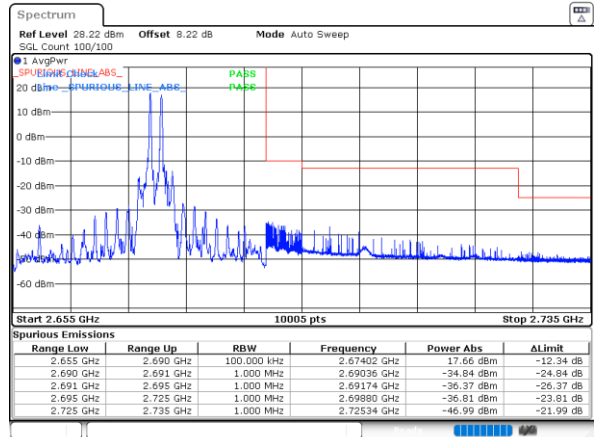
Date: 26.OCT.2022 14:39:21

Lowest Band Edge / 1RB99 and 1RB0



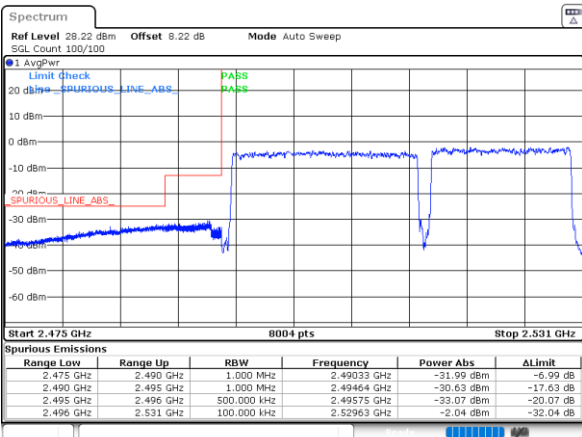
Date: 26.OCT.2022 14:28:30

Highest Band Edge / 1RB99 and 1RB0



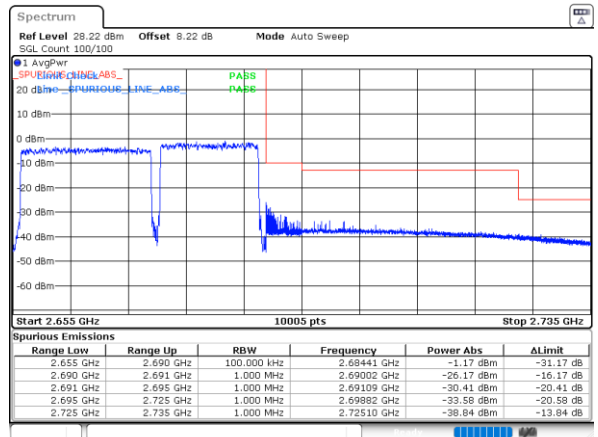
Date: 26.OCT.2022 14:39:29

Lowest Band Edge / Full RB



Date: 26.OCT.2022 14:21:41

Highest Band Edge / Full RB



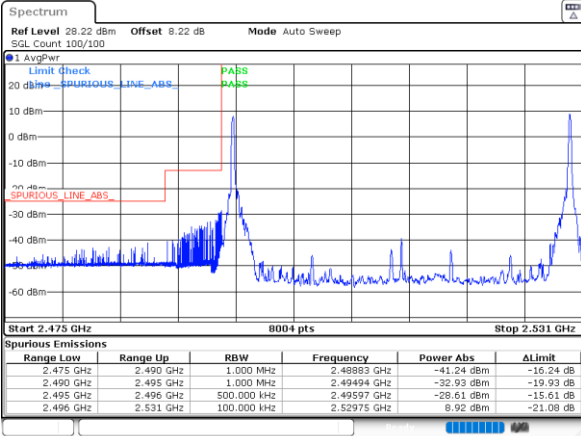
Date: 26.OCT.2022 14:32:42



LTE Band 41C / 20MHz+15MHz

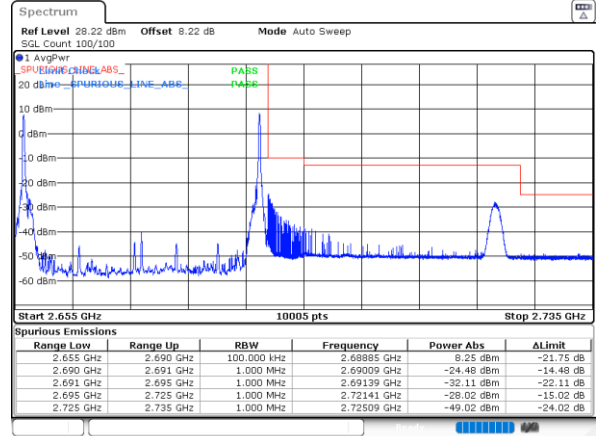
16QAM

Lowest Band Edge / 1RB0 and 1RB74



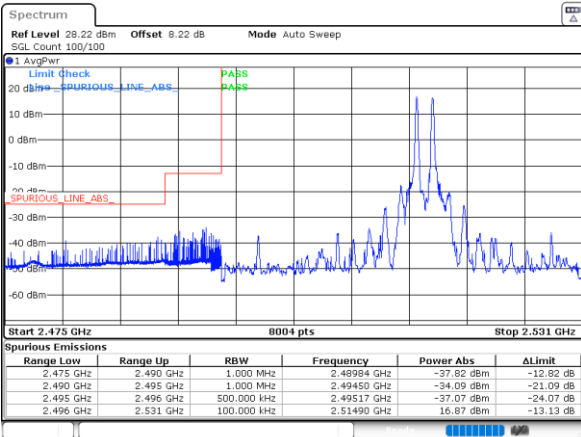
Date: 26.OCT.2022 14:26:14

Highest Band Edge / 1RB0 and 1RB74



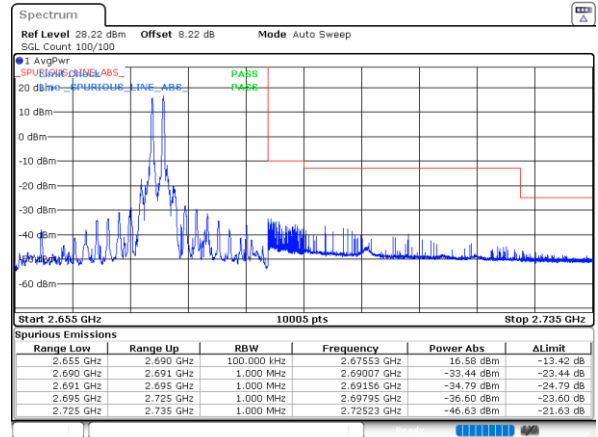
Date: 26.OCT.2022 14:37:13

Lowest Band Edge / 1RB99 and 1RB0



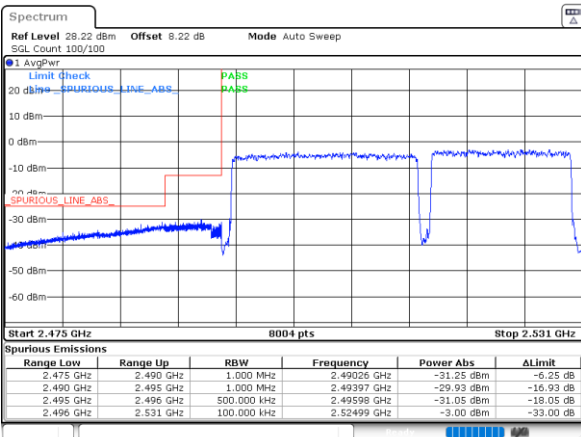
Date: 26.OCT.2022 14:29:38

Highest Band Edge / 1RB99 and 1RB0



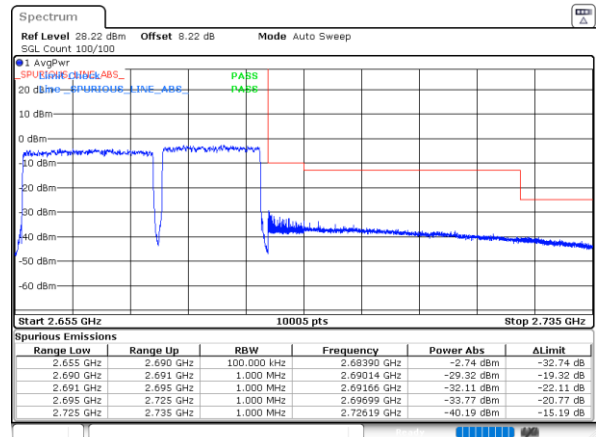
Date: 26.OCT.2022 14:40:37

Lowest Band Edge / Full RB



Date: 26.OCT.2022 14:22:49

Highest Band Edge / Full RB



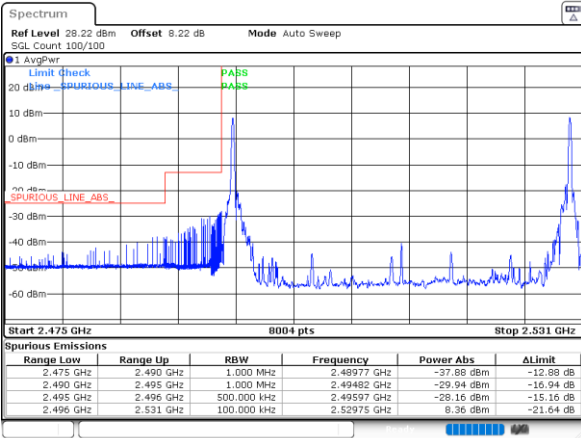
Date: 26.OCT.2022 14:33:49



LTE Band 41C / 20MHz+15MHz

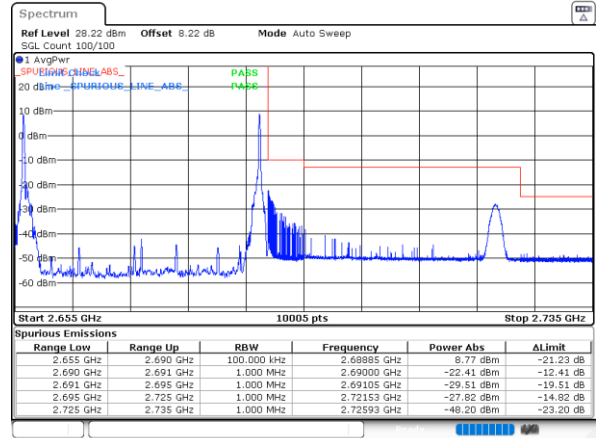
64QAM

Lowest Band Edge / 1RB0 and 1RB74



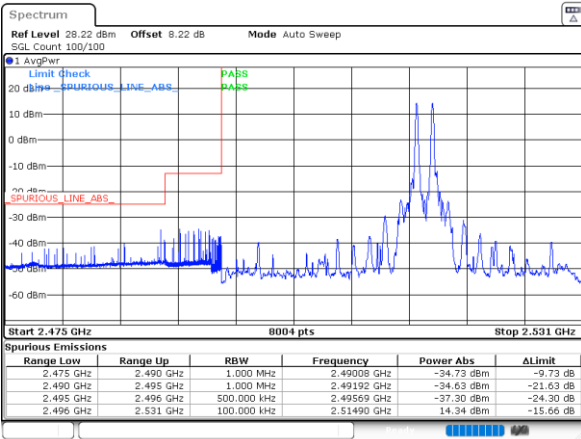
Date: 26.OCT.2022 14:25:06

Highest Band Edge / 1RB0 and 1RB74



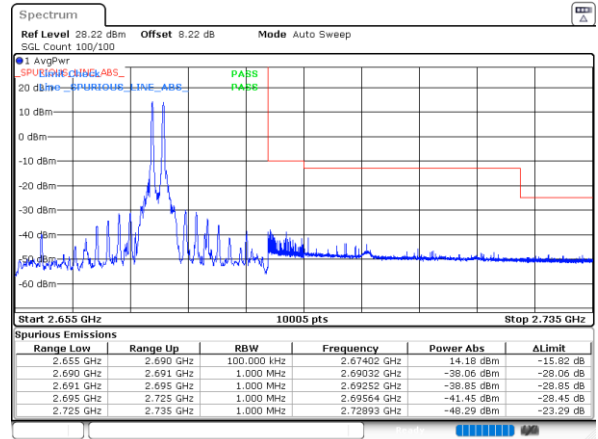
Date: 26.OCT.2022 14:36:06

Lowest Band Edge / 1RB99 and 1RB0



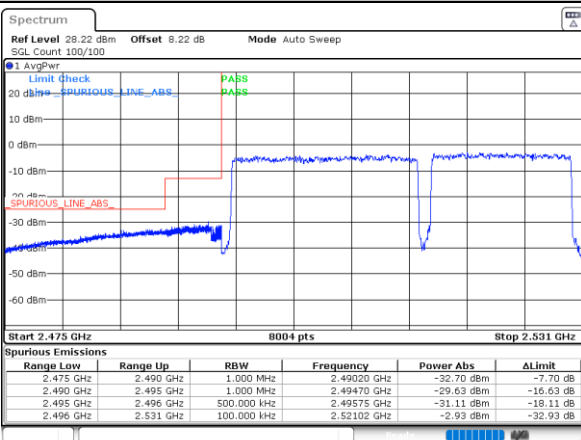
Date: 26.OCT.2022 14:30:47

Highest Band Edge / 1RB99 and 1RB0



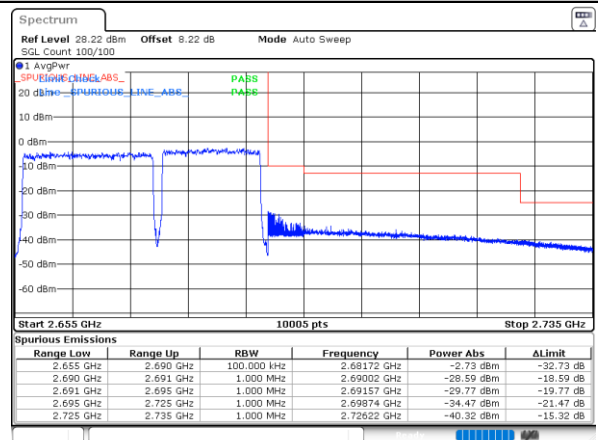
Date: 26.OCT.2022 14:41:45

Lowest Band Edge / Full RB



Date: 26.OCT.2022 14:23:58

Highest Band Edge / Full RB



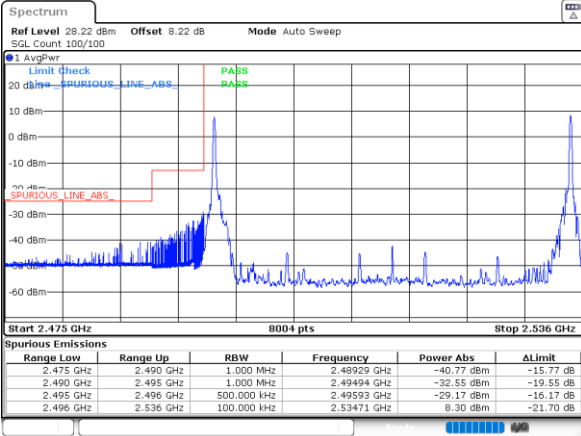
Date: 26.OCT.2022 14:34:58



LTE Band 41C / 20MHz+20MHz

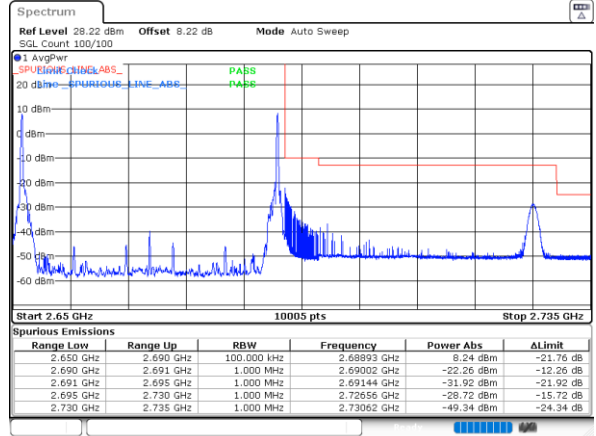
QPSK

Lowest Band Edge / 1RB0 and 1RB9



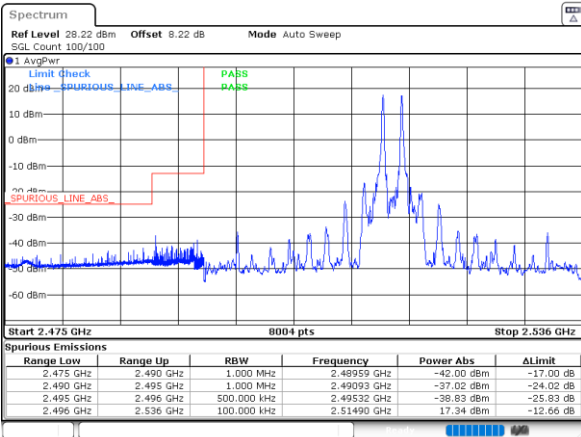
Date: 26.OCT.2022 14:49:40

Highest Band Edge / 1RB0 and 1RB9



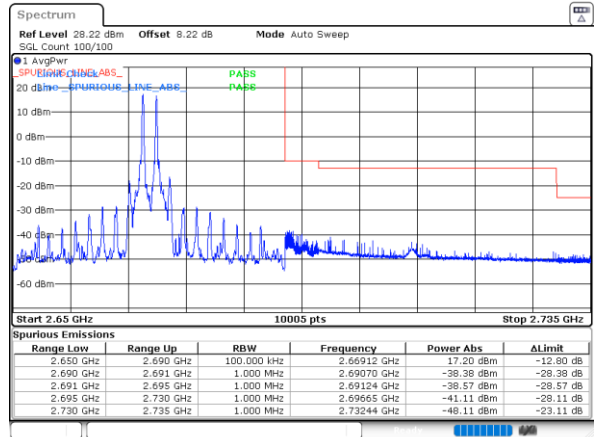
Date: 26.OCT.2022 15:02:06

Lowest Band Edge / 1RB99 and 1RB0



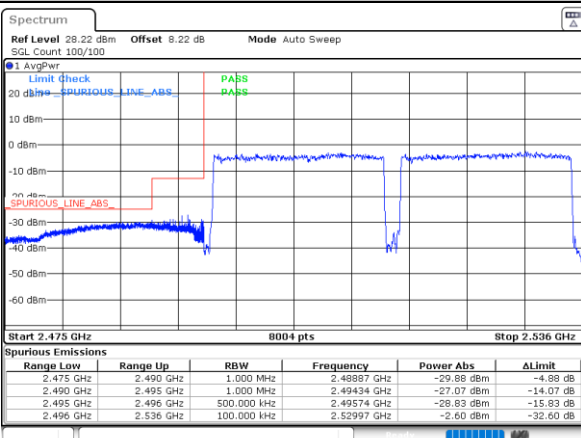
Date: 26.OCT.2022 14:49:40

Highest Band Edge / 1RB99 and 1RB0



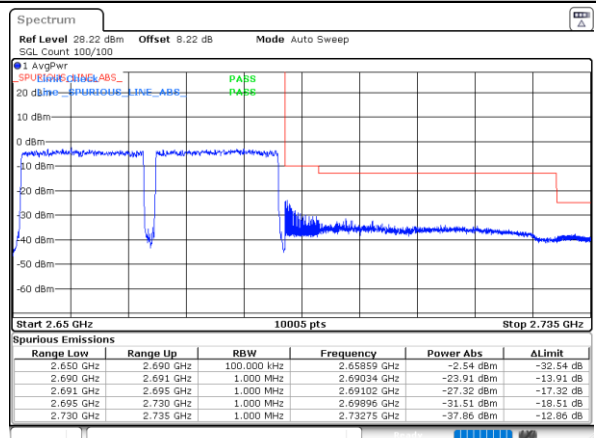
Date: 26.OCT.2022 15:03:14

Lowest Band Edge / Full RB



Date: 26.OCT.2022 14:43:00

Highest Band Edge / Full RB



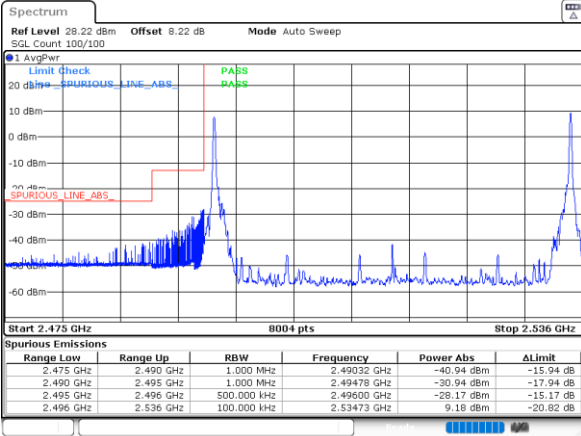
Date: 26.OCT.2022 14:56:27



LTE Band 41C / 20MHz+20MHz

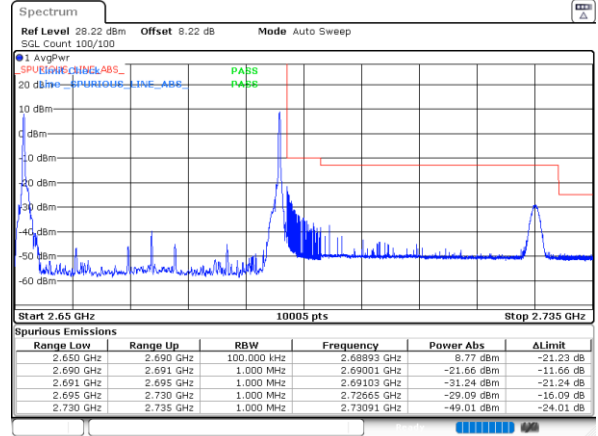
16QAM

Lowest Band Edge / 1RB0 and 1RB9



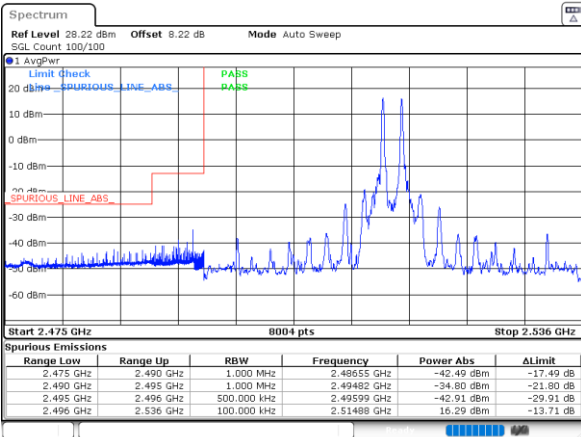
Date: 26.OCT.2022 14:47:32

Highest Band Edge / 1RB0 and 1RB9



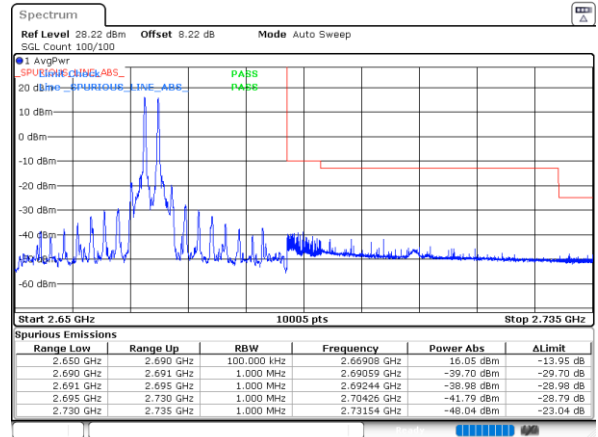
Date: 26.OCT.2022 15:00:58

Lowest Band Edge / 1RB99 and 1RB0



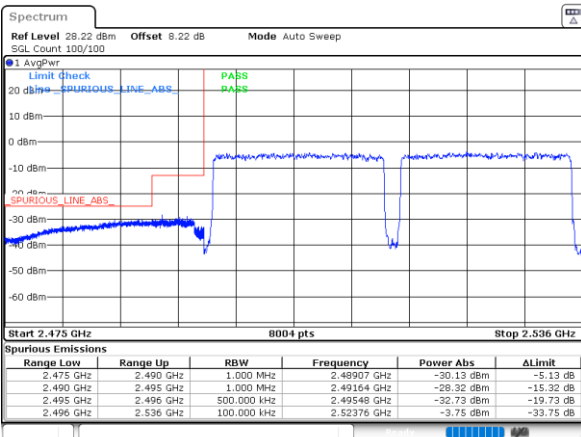
Date: 26.OCT.2022 14:50:56

Highest Band Edge / 1RB99 and 1RB0



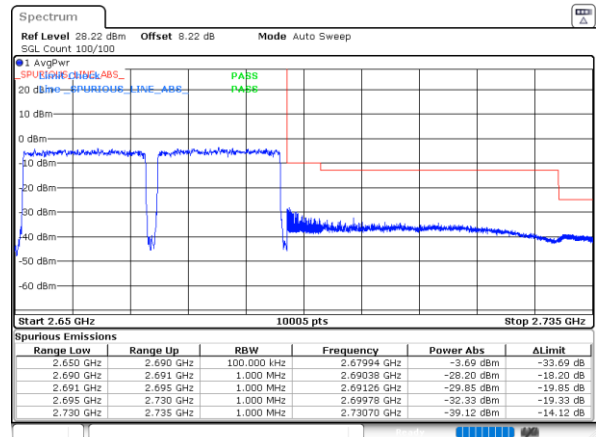
Date: 26.OCT.2022 15:04:22

Lowest Band Edge / Full RB



Date: 26.OCT.2022 14:44:09

Highest Band Edge / Full RB



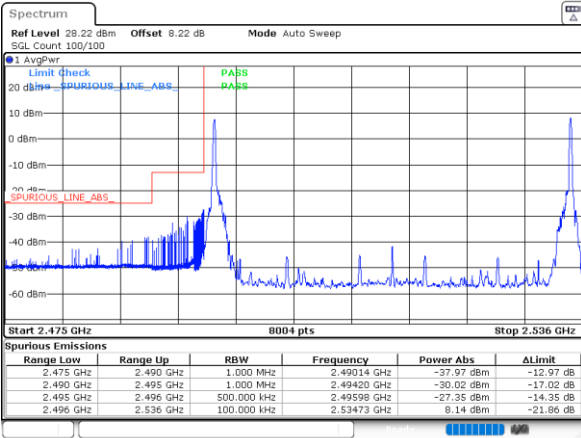
Date: 26.OCT.2022 14:57:35



LTE Band 41C / 20MHz+20MHz

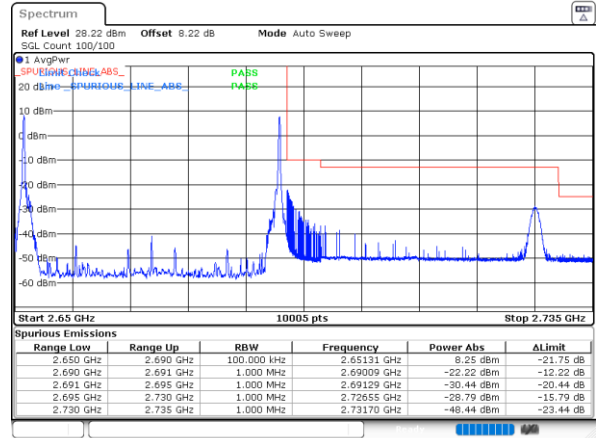
64QAM

Lowest Band Edge / 1RB0 and 1RB9



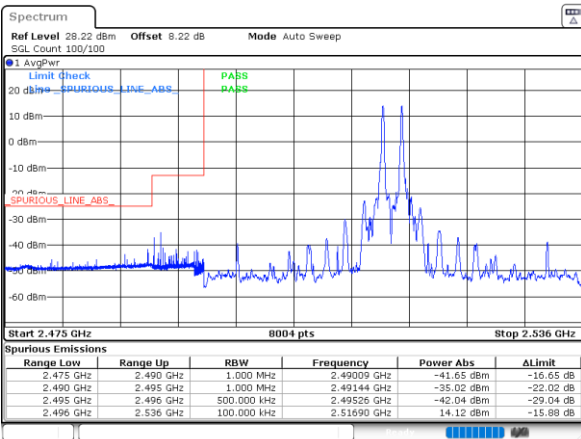
Date: 26.OCT.2022 14:46:24

Highest Band Edge / 1RB0 and 1RB9



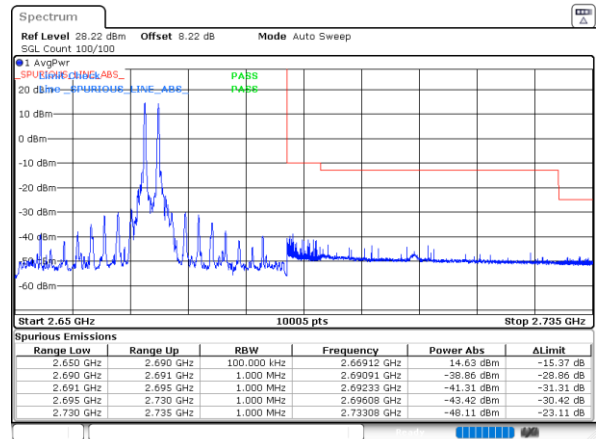
Date: 26.OCT.2022 14:59:51

Lowest Band Edge / 1RB99 and 1RB0



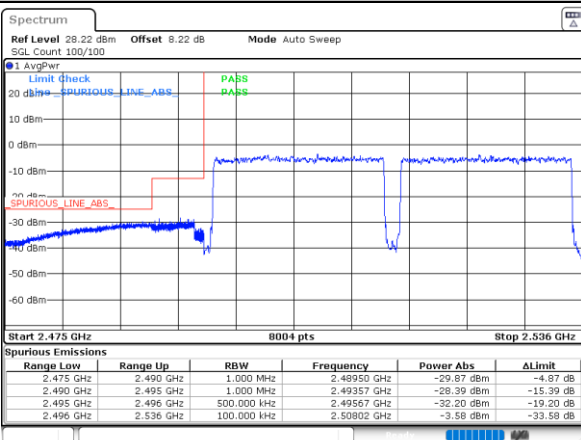
Date: 26.OCT.2022 14:52:04

Highest Band Edge / 1RB99 and 1RB0



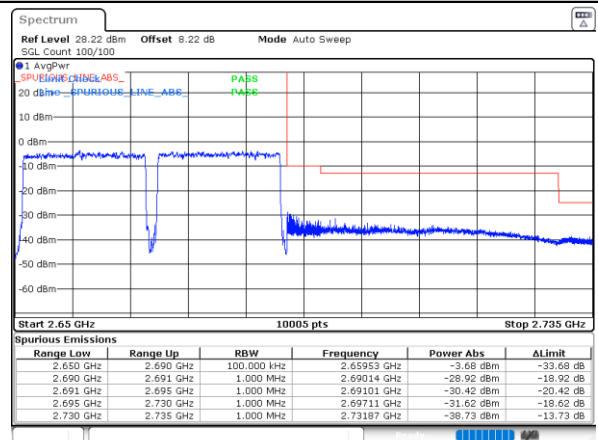
Date: 26.OCT.2022 15:05:30

Lowest Band Edge / Full RB



Date: 26.OCT.2022 14:45:16

Highest Band Edge / Full RB

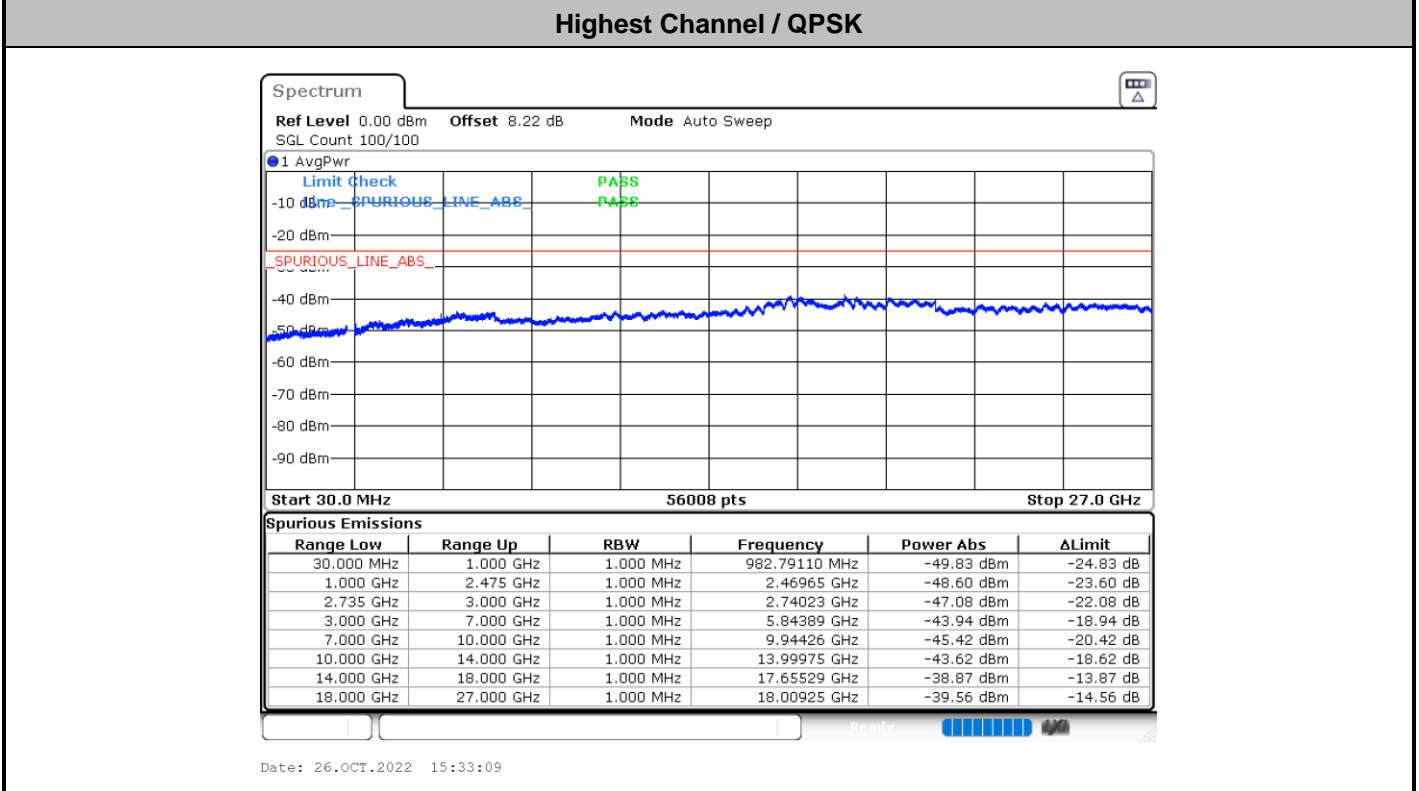
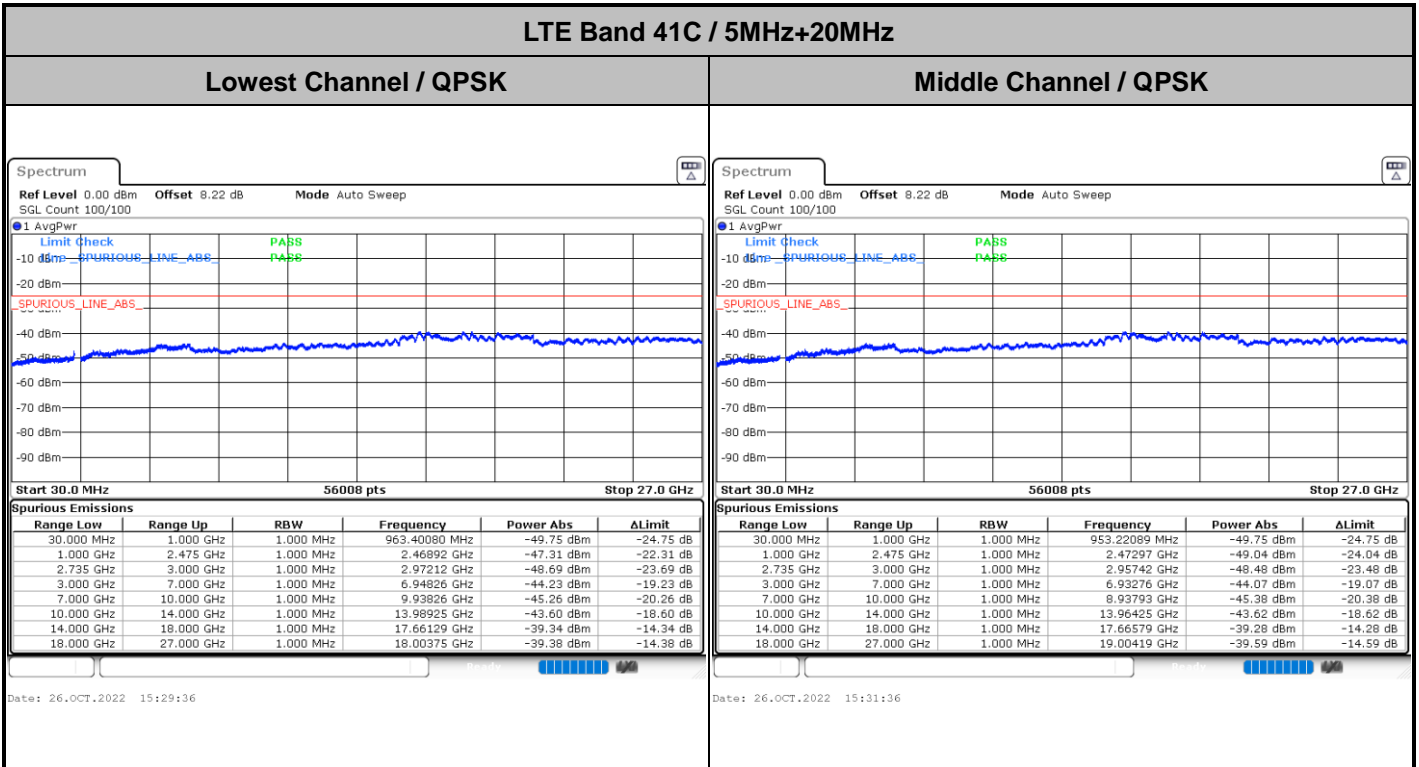


Date: 26.OCT.2022 14:58:43





# Conducted Spurious Emission



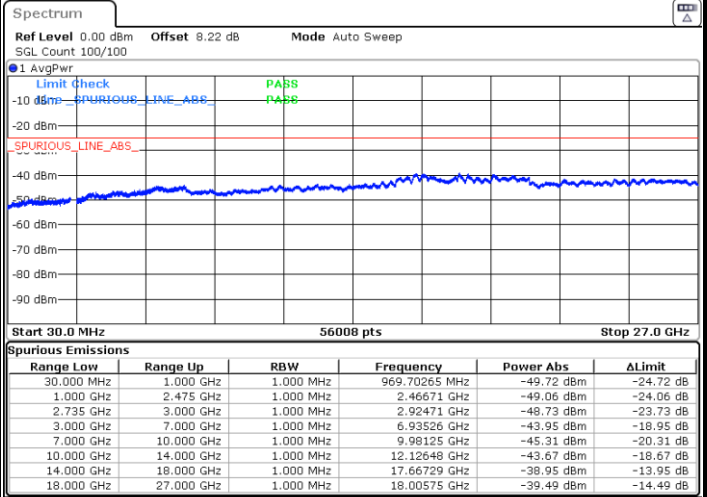
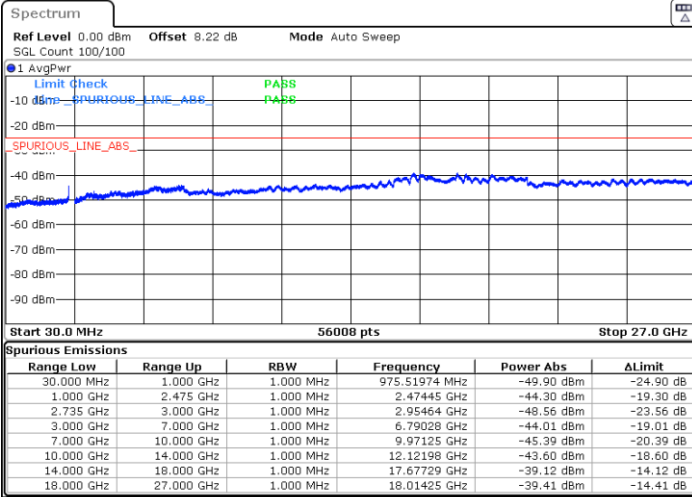




LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

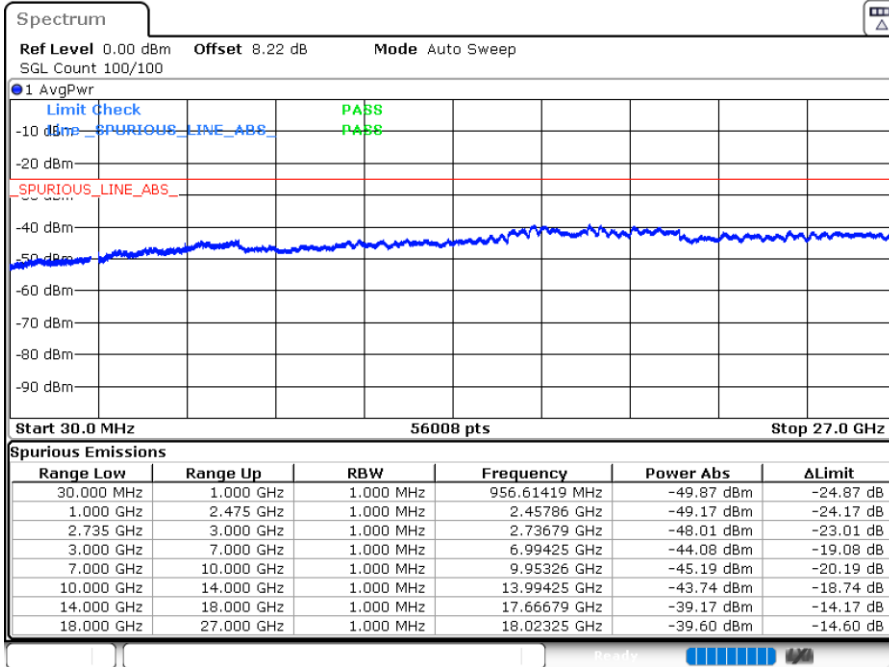
Middle Channel / QPSK



Date: 26.OCT.2022 15:40:23

Date: 26.OCT.2022 15:42:56

Highest Channel / QPSK



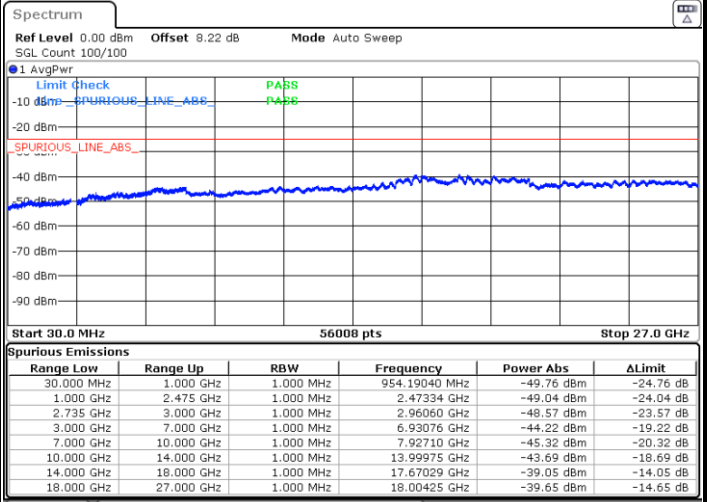
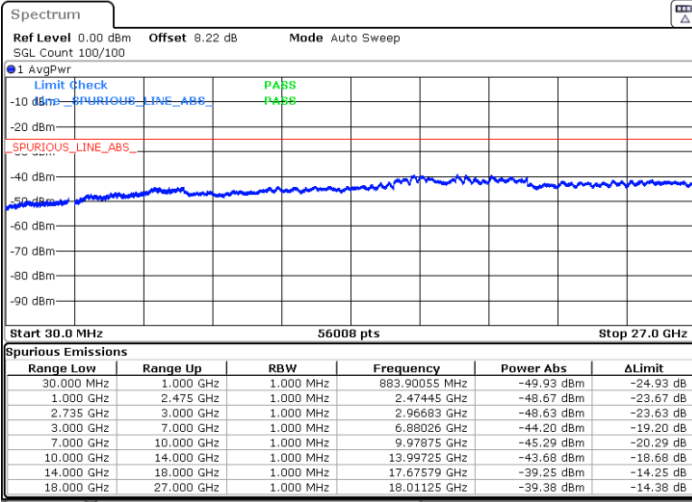
Date: 26.OCT.2022 15:44:29



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

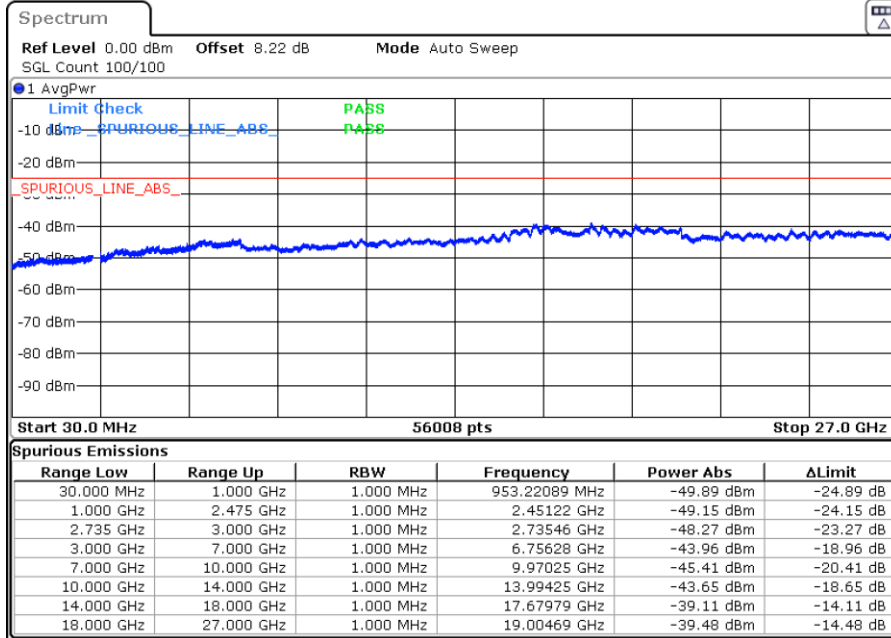
Middle Channel / QPSK



Date: 26.OCT.2022 15:51:30

Date: 26.OCT.2022 15:53:48

Highest Channel / QPSK



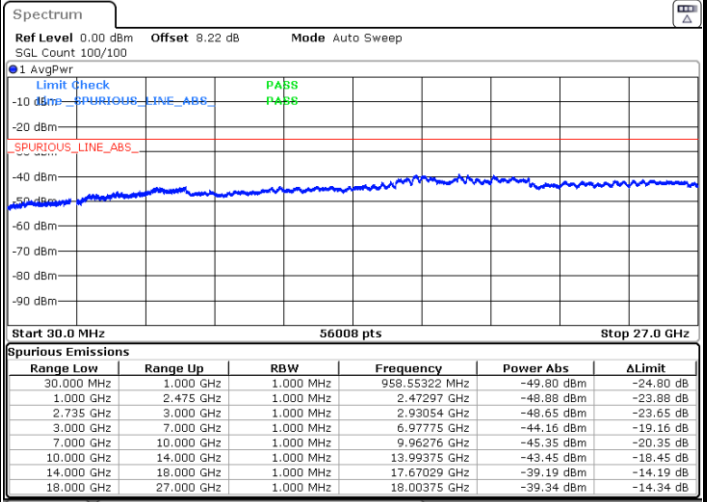
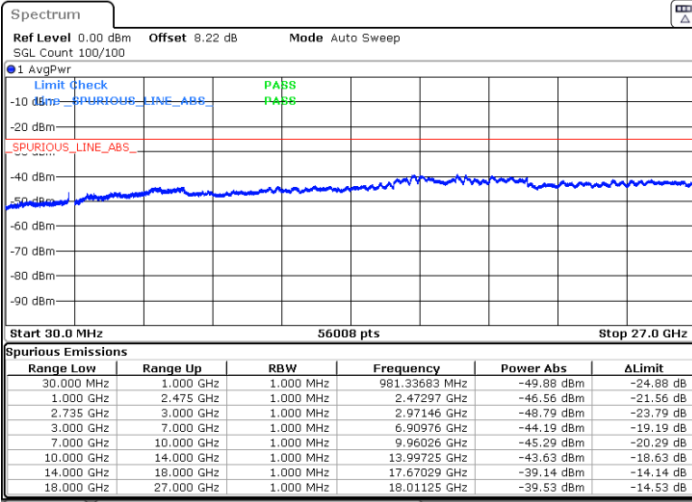
Date: 26.OCT.2022 15:55:21



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

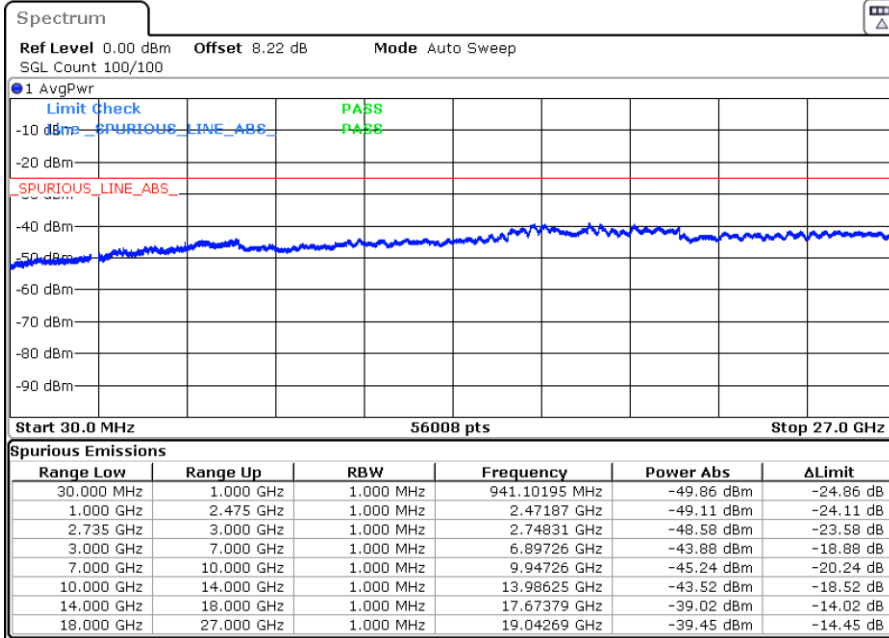
Middle Channel / QPSK



Date: 26.OCT.2022 15:46:05

Date: 26.OCT.2022 15:48:13

Highest Channel / QPSK



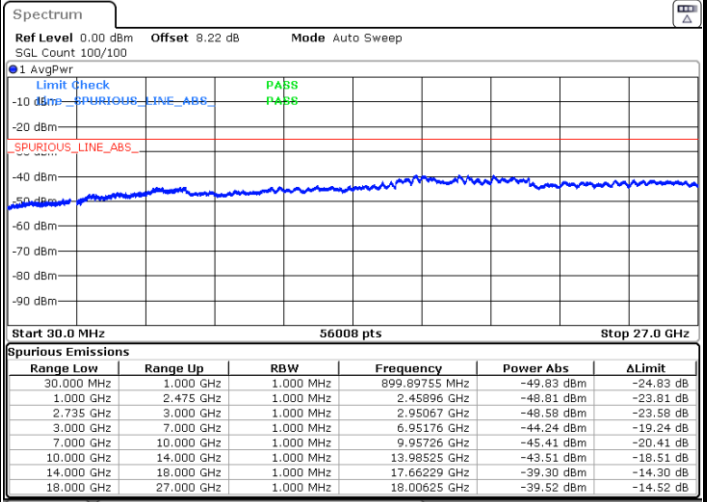
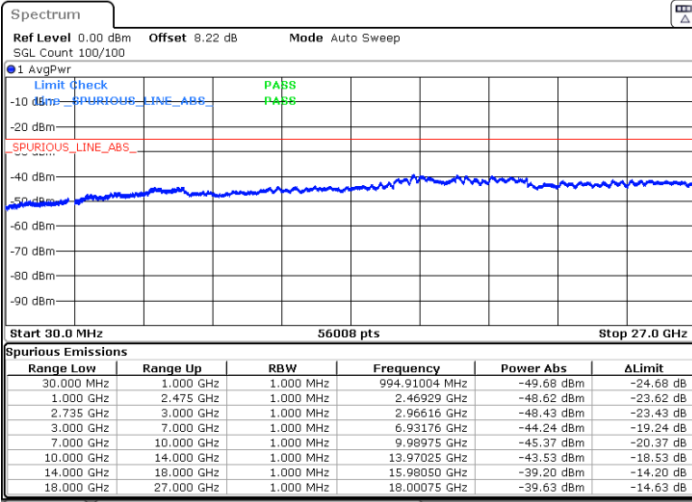
Date: 26.OCT.2022 15:49:46



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

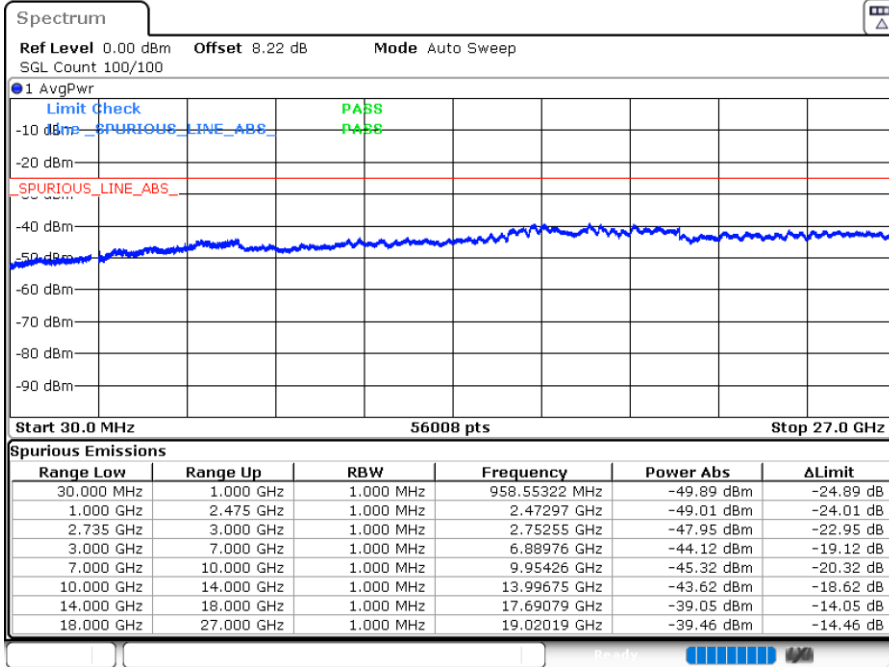
Middle Channel / QPSK



Date: 26.OCT.2022 16:01:48

Date: 26.OCT.2022 16:06:42

Highest Channel / QPSK



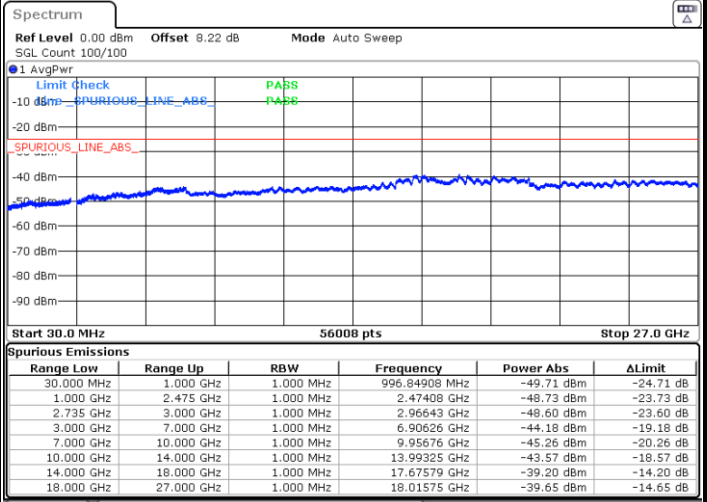
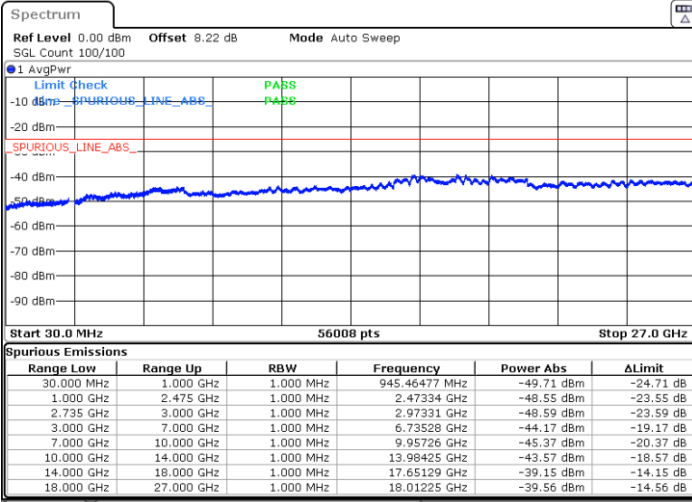
Date: 26.OCT.2022 16:08:15



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

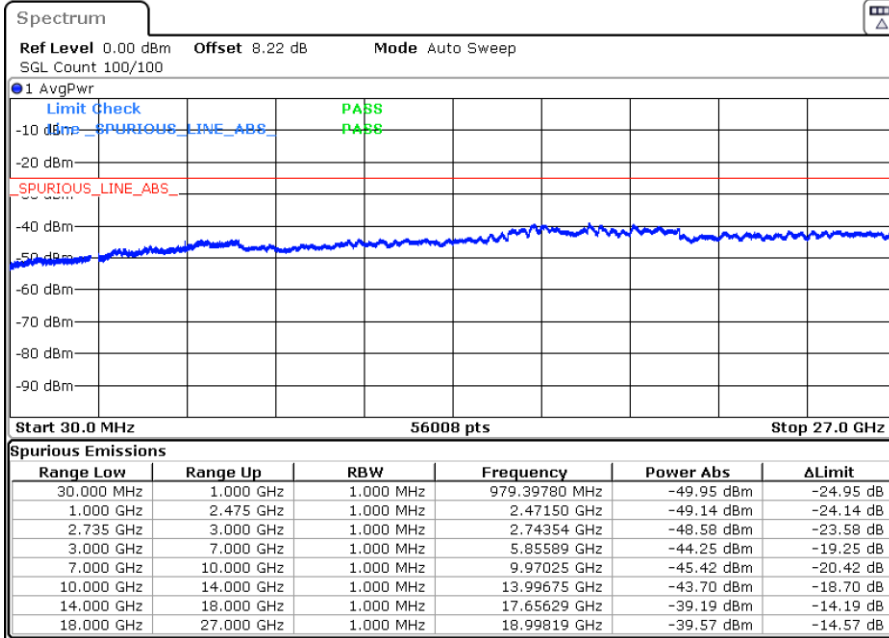
Middle Channel / QPSK



Date: 26.OCT.2022 16:09:49

Date: 26.OCT.2022 16:12:05

Highest Channel / QPSK



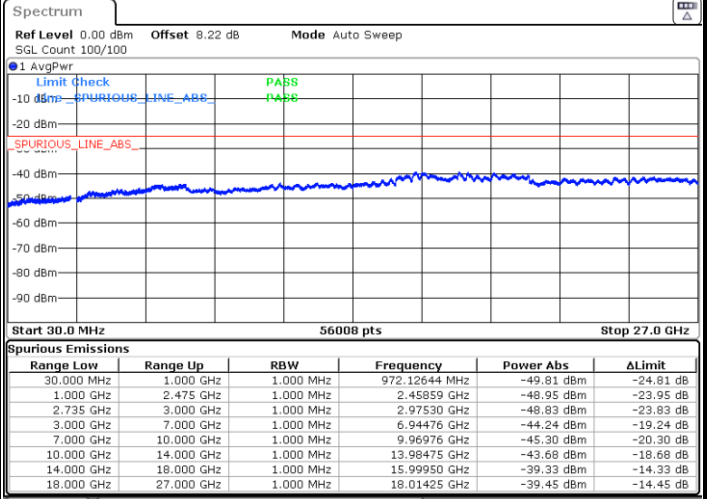
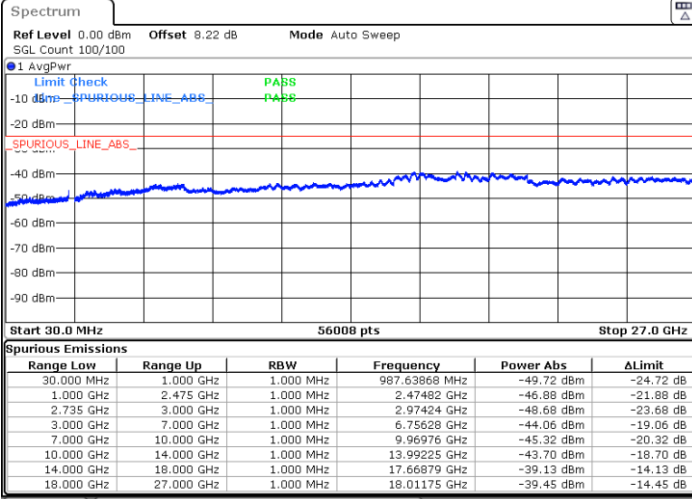
Date: 26.OCT.2022 16:13:38



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

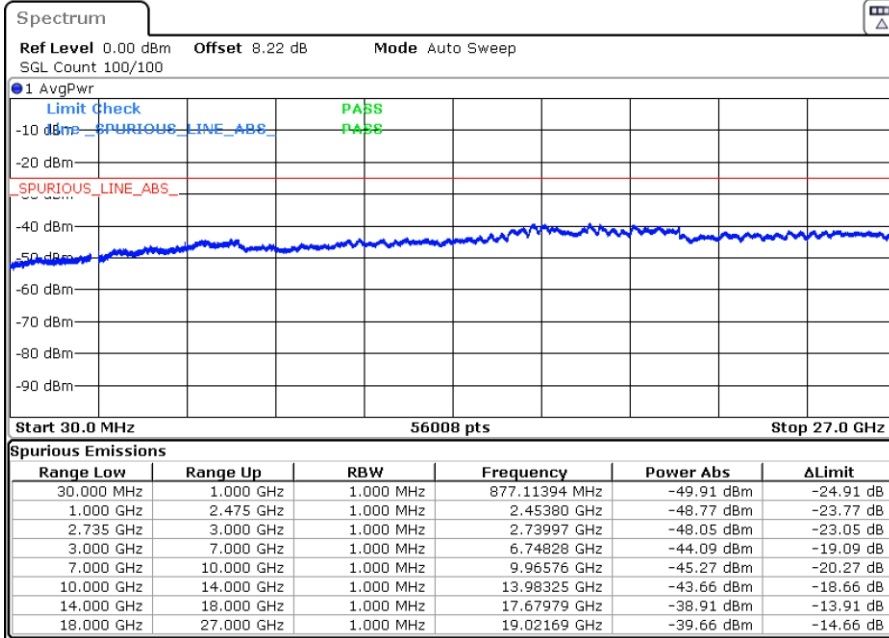
Middle Channel / QPSK



Date: 26.OCT.2022 15:34:45

Date: 26.OCT.2022 15:36:58

Highest Channel / QPSK



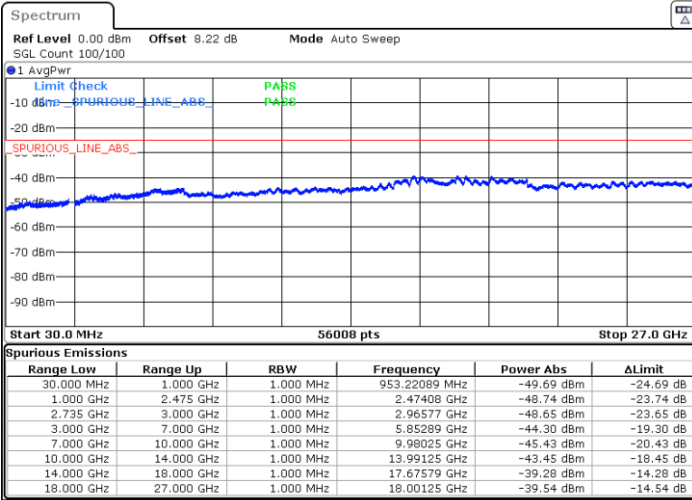
Date: 26.OCT.2022 15:38:31



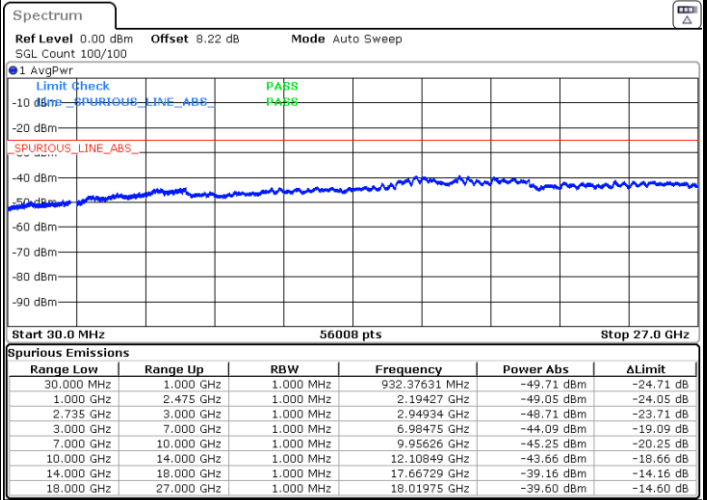
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

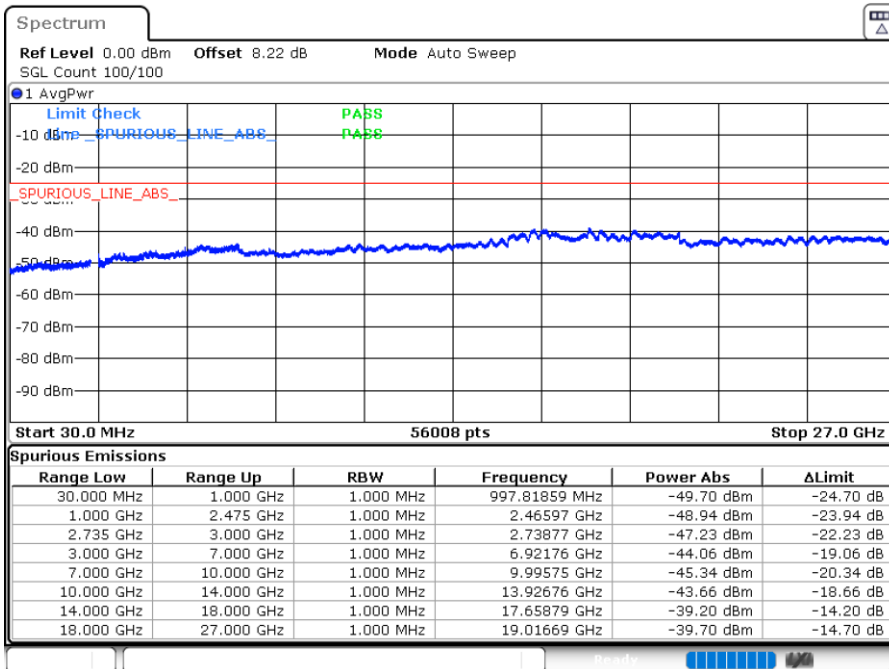


Date: 26.OCT.2022 15:56:56



Date: 26.OCT.2022 15:58:31

Highest Channel / QPSK



Date: 26.OCT.2022 16:00:04

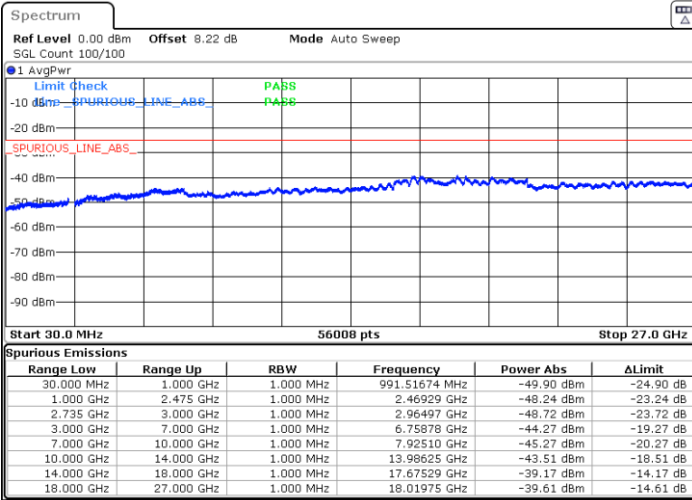




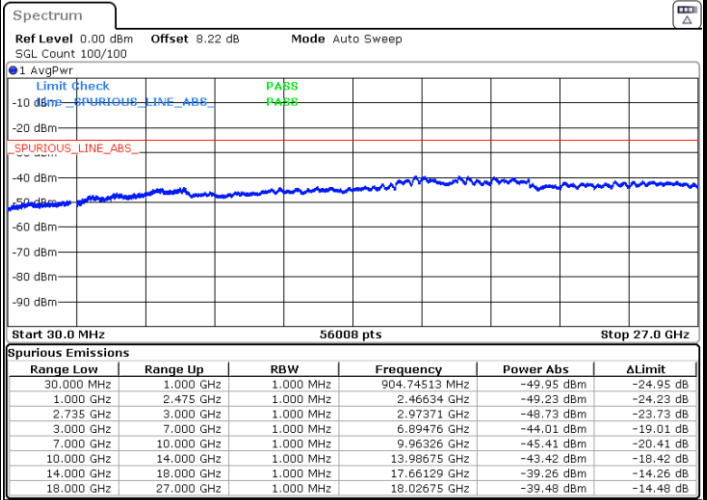
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

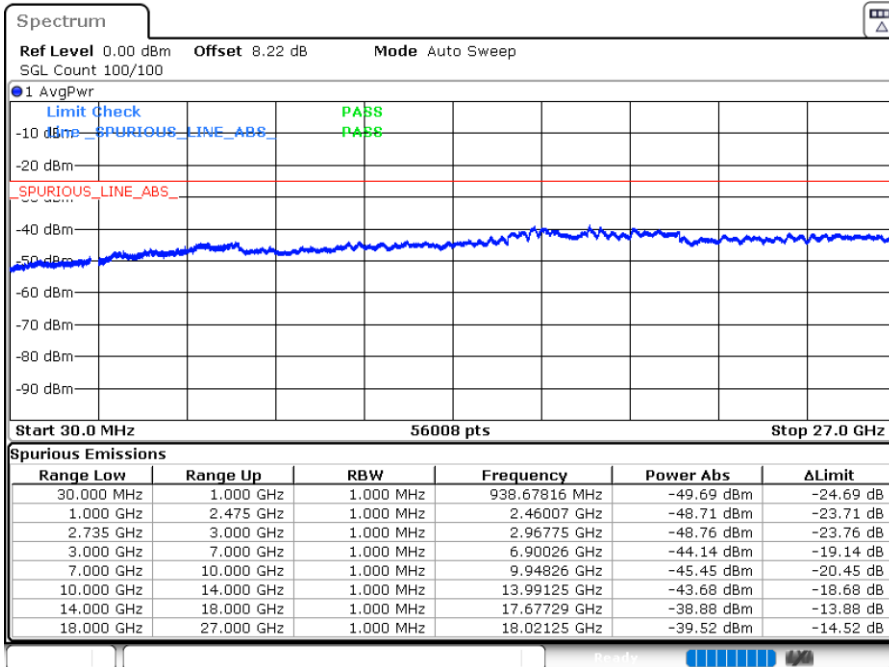


Date: 26.OCT.2022 16:15:13



Date: 26.OCT.2022 16:17:26

Highest Channel / QPSK



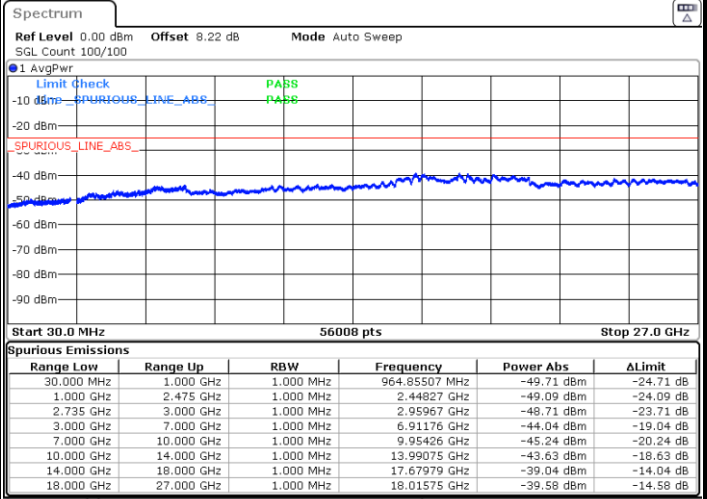
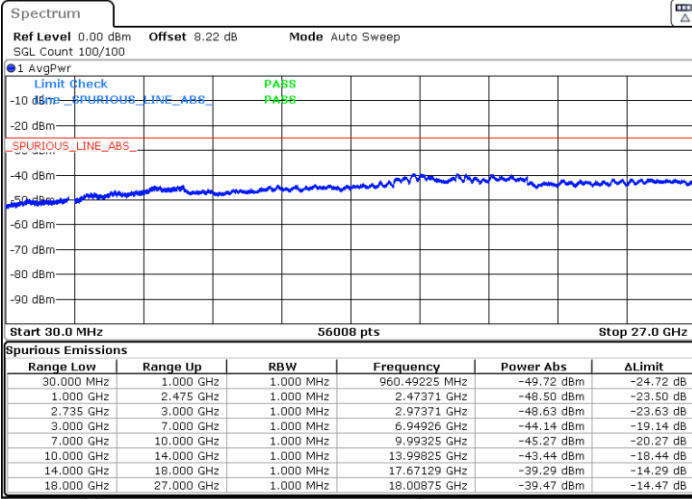
Date: 26.OCT.2022 16:18:59



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

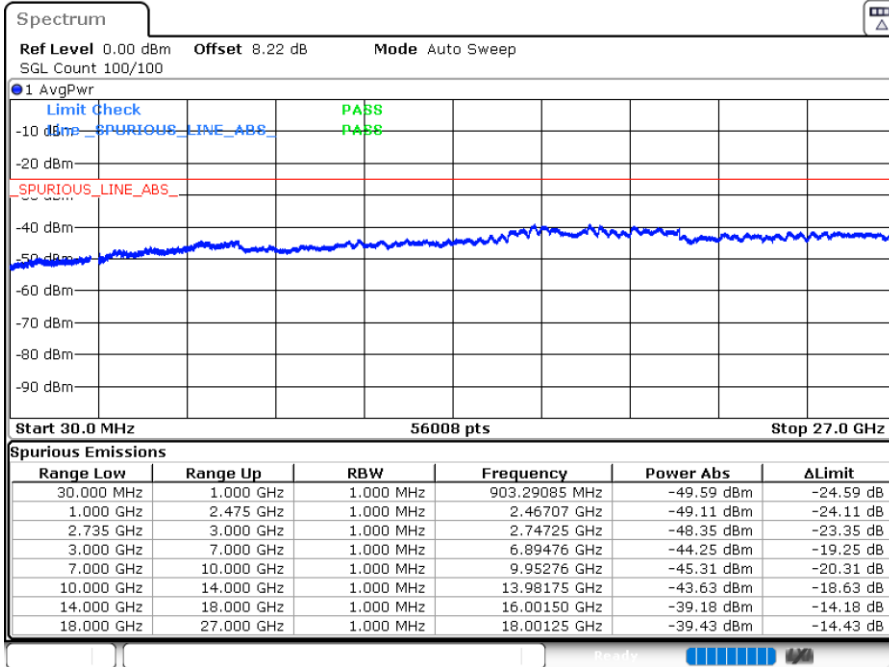
Middle Channel / QPSK



Date: 26.OCT.2022 16:20:33

Date: 26.OCT.2022 16:22:30

Highest Channel / QPSK



Date: 26.OCT.2022 16:24:04



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 7 Single Carrier (main PA) / 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	-60.99	-25	-35.99	-71.20	3.03	13.24	H
	7576	-61.93	-25	-36.93	-71.38	3.56	13.01	H
	10100	-60.88	-25	-35.88	-70.40	3.92	13.44	H
	5052	-62.26	-25	-37.26	-72.47	3.03	13.24	V
	7578	-61.12	-25	-36.12	-70.57	3.56	13.01	V
	10100	-60.97	-25	-35.97	-70.49	3.92	13.44	V

LTE Band 7_ CA_ 2A-7A (other PA) / 20MHz + 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)
LTE B2 Middle	3740	-65.35	-13	-52.35	-77.61	2.64	14.90	H
	5613	-64.64	-13	-51.64	-76.50	2.94	14.80	H
	7580	-63.63	-13	-50.63	-73.40	3.39	13.16	H
	3742	-65.33	-13	-52.33	-77.59	2.64	14.90	V
	5613	-65.01	-13	-52.01	-76.87	2.94	14.80	V
	7580	-63.44	-13	-50.44	-73.21	3.39	13.16	V
LTE B7 Middle	5052	-63.86	-25	-38.86	-74.07	3.03	13.24	H
	7484	-63.27	-25	-38.27	-72.72	3.56	13.01	H
	10100	-61.27	-25	-36.27	-70.79	3.92	13.44	H
	5050	-63.83	-25	-38.83	-74.04	3.03	13.24	V
	7485	-63.47	-25	-38.47	-72.92	3.56	13.01	V
	10100	-61.29	-25	-36.29	-70.81	3.92	13.44	V



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	-62.66	-25	-37.66	-72.87	3.03	13.24	H
	7752	-61.44	-25	-36.44	-70.89	3.56	13.01	H
	10340	-60.85	-25	-35.85	-70.37	3.92	13.44	H
	5168	-62.86	-25	-37.86	-73.07	3.03	13.24	V
	7752	-61.29	-25	-36.29	-70.74	3.56	13.01	V
	10340	-60.73	-25	-35.73	-70.25	3.92	13.44	V

LTE Band 7C_CA / 20MHz + 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	5032	-62.08	-25	-37.08	-72.29	3.03	13.24	H
	7548	-62.08	-25	-37.08	-71.53	3.56	13.01	H
	10060	-60.86	-25	-35.86	-70.38	3.92	13.44	H
	5068	-62.36	-25	-37.36	-72.28	4.44	14.36	H
	7600	-61.43	-25	-36.43	-71.80	4.77	15.14	H
	10140	-61.09	-25	-36.09	-71.46	4.79	15.16	H
	5032	-62.04	-25	-37.04	-72.25	3.03	13.24	V
	7548	-62.01	-25	-37.01	-71.46	3.56	13.01	V
	10060	-60.93	-25	-35.93	-70.45	3.92	13.44	V
	5068	-62.45	-25	-37.45	-72.37	4.44	14.36	V
	7600	-61.49	-25	-36.49	-71.86	4.77	15.14	V
	10140	-60.78	-25	-35.78	-71.15	4.79	15.16	V



LTE Band 41C_CA / 20MHz + 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	5148	-59.32	-25	-34.32	-69.53	3.03	13.24	H
	7720	-57.21	-25	-32.21	-66.66	3.56	13.01	H
	10300	-61.07	-25	-36.07	-70.59	3.92	13.44	H
	5184	-59.49	-25	-34.49	-69.01	4.92	14.44	H
	7776	-57.01	-25	-32.01	-66.53	5.92	15.44	H
	10370	-60.76	-25	-35.76	-70.28	6.92	16.44	H
	5148	-62.44	-25	-37.44	-71.89	3.56	13.01	V
	7720	-61.45	-25	-36.45	-70.97	3.92	13.44	V
	10300	-61.34	-25	-36.34	-70.86	4.92	14.44	V
	5184	-62.07	-25	-37.07	-71.59	5.92	15.44	V
	7776	-61.50	-25	-36.5	-71.02	6.92	16.44	V
	10372	-59.85	-25	-34.85	-69.37	7.92	17.44	V

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