

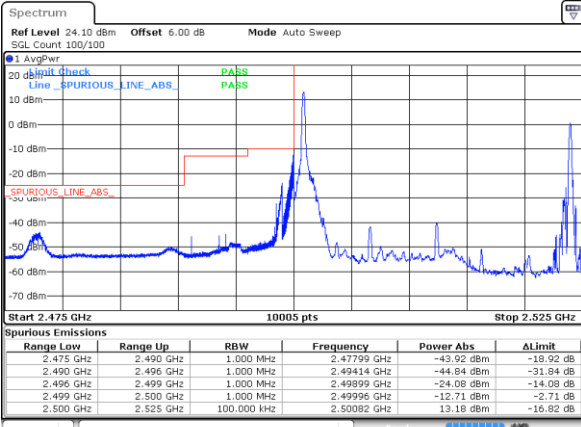


LTE Band 7C / 15MHz+10MHz

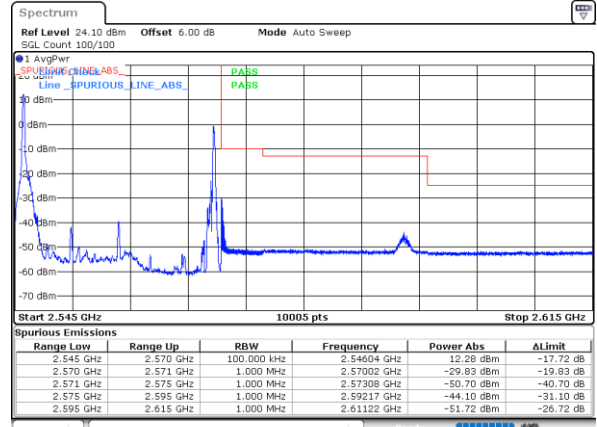
16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



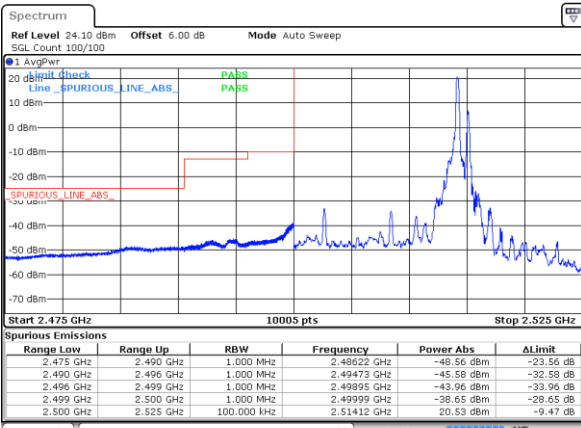
Date: 7 MAY 2021 19:13:39



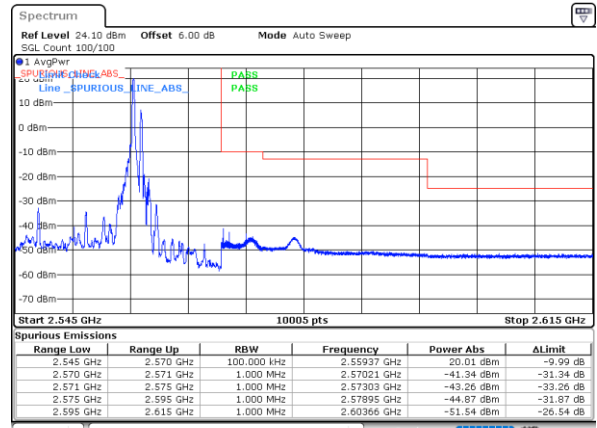
Date: 26 APR 2021 13:19:22

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



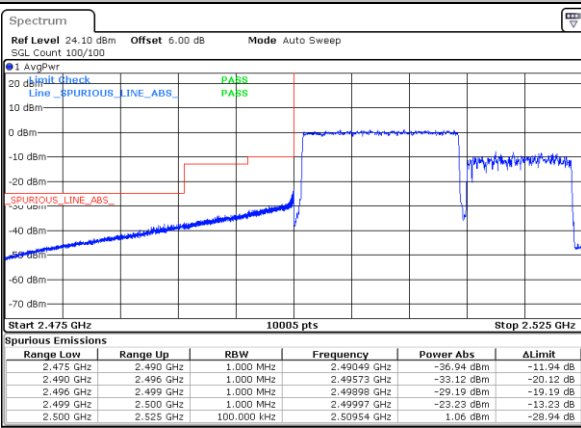
Date: 7 MAY 2021 19:12:04



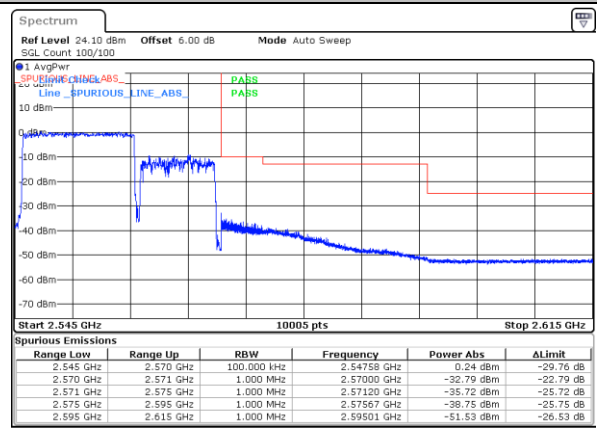
Date: 26 APR 2021 13:23:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7 MAY 2021 19:15:35



Date: 26 APR 2021 13:14:48

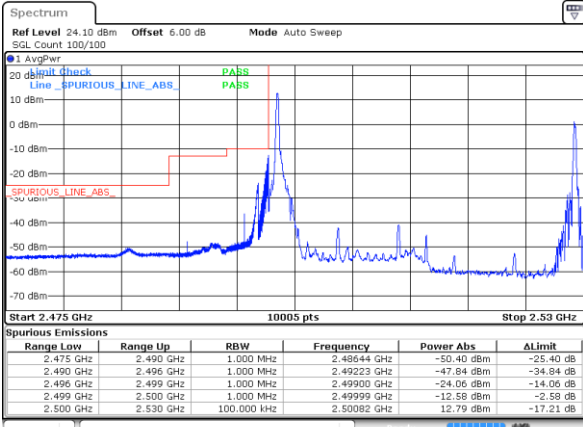


LTE Band 7C / 15MHz+15MHz

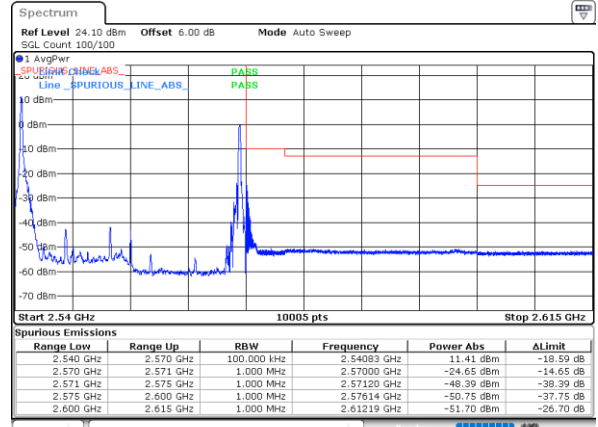
16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74



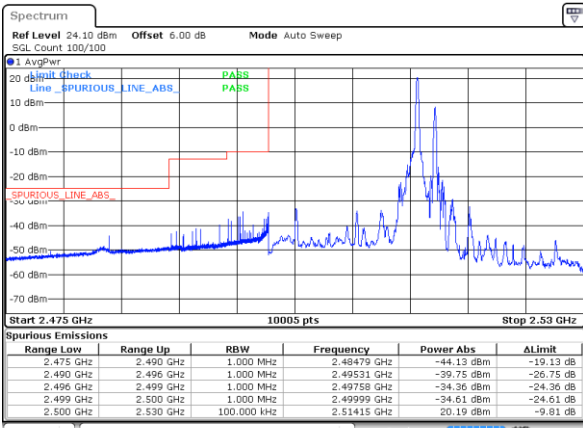
Date: 7 MAY 2021 19:23:23



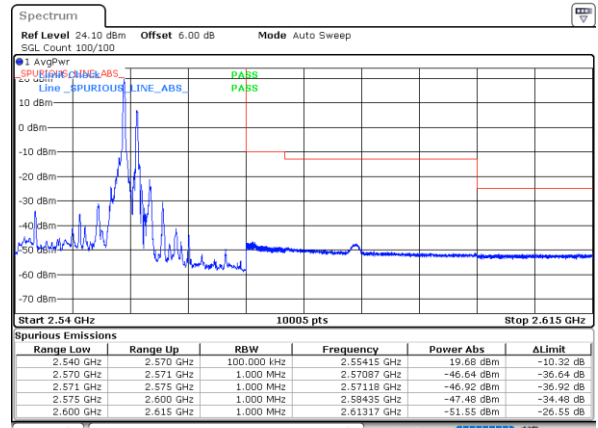
Date: 26 APR 2021 11:26:59

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



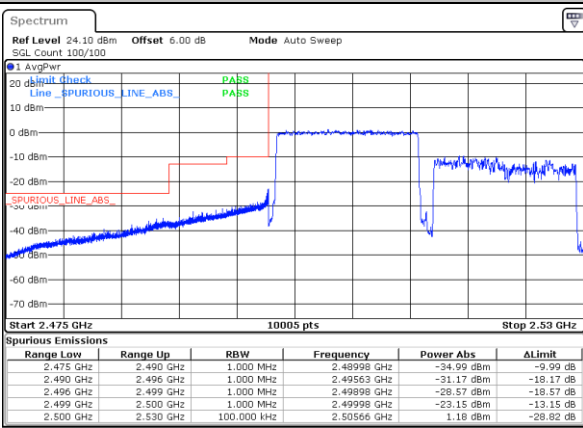
Date: 7 MAY 2021 19:21:16



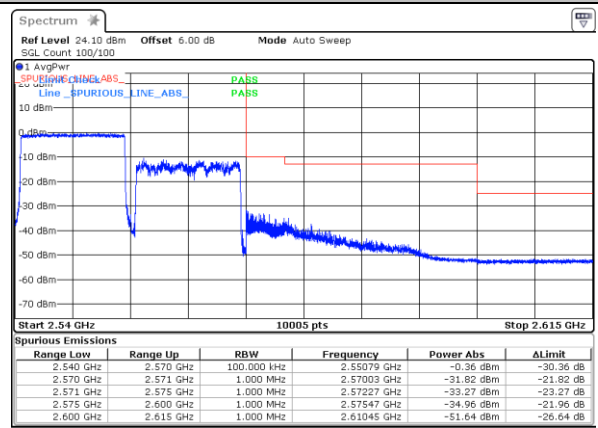
Date: 26 APR 2021 11:31:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7 MAY 2021 19:25:33



Date: 26 APR 2021 11:22:25

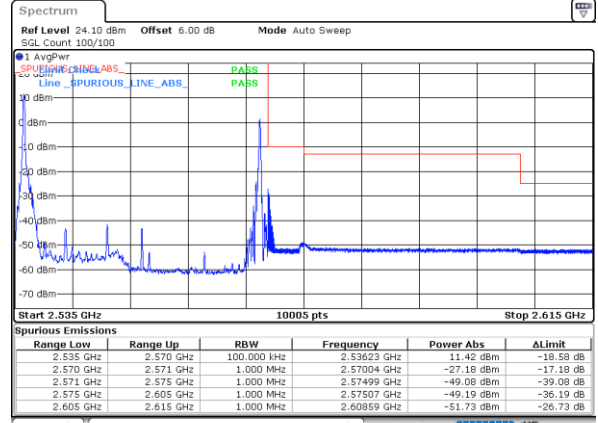
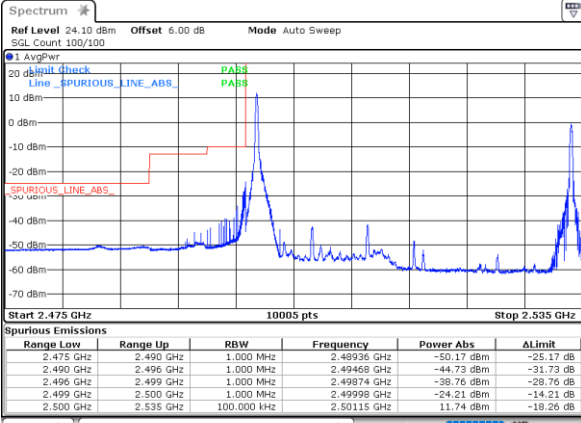


LTE Band 7C / 15MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

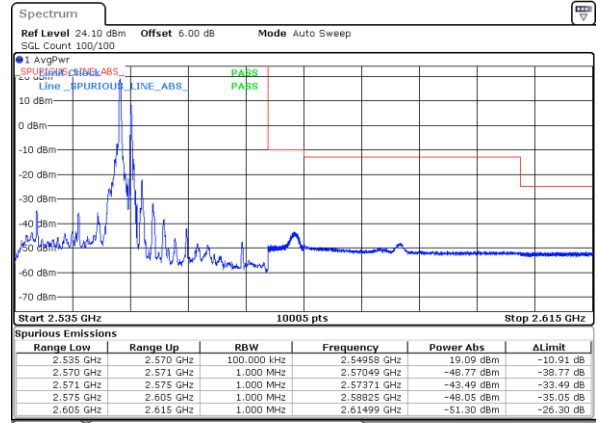
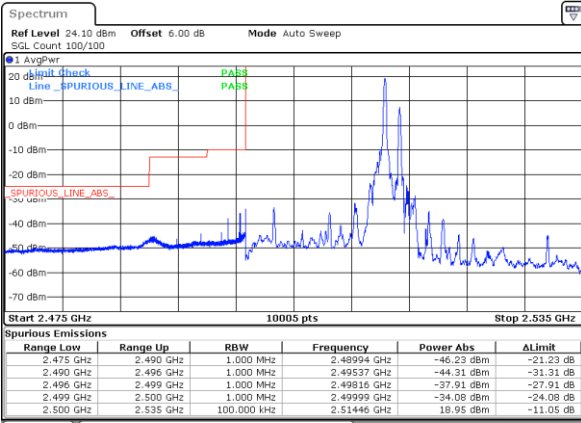


Date: 26.APR.2021 11:41:25

Date: 26.APR.2021 11:55:54

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

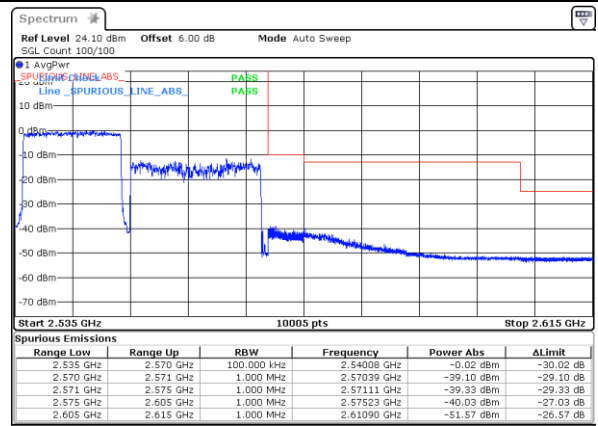
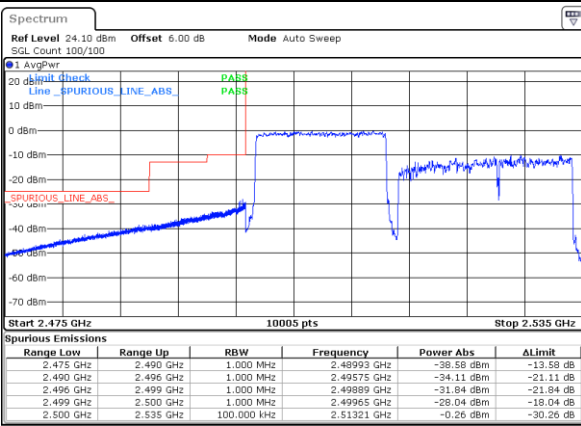


Date: 26.APR.2021 11:45:59

Date: 26.APR.2021 12:00:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 11:36:52

Date: 26.APR.2021 13:46:47

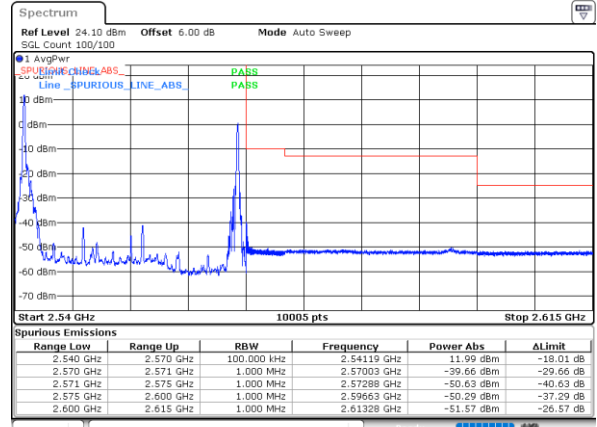
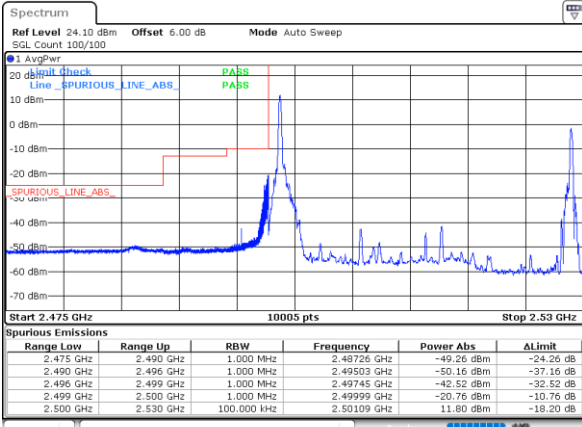


LTE Band 7C / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

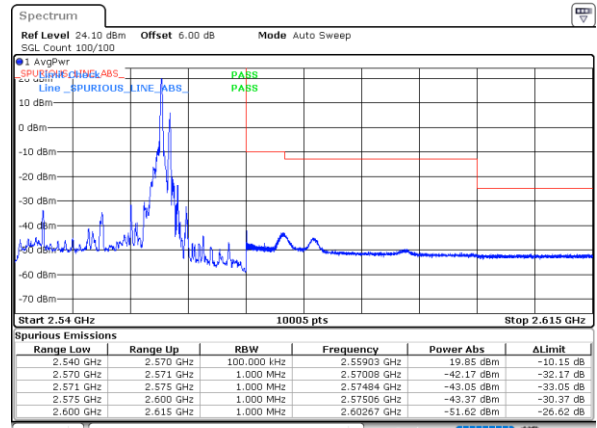
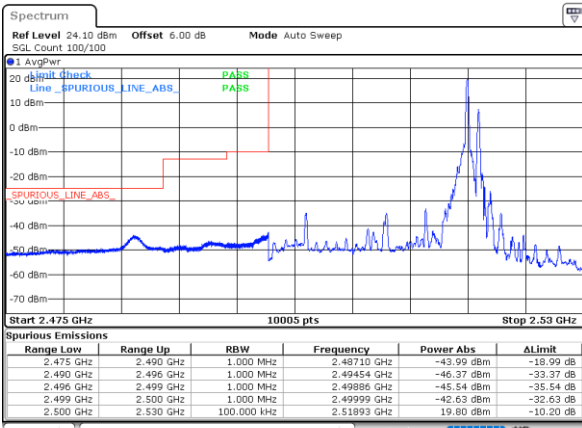


Date: 26.APR.2021 10:44:18

Date: 26.APR.2021 10:58:46

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

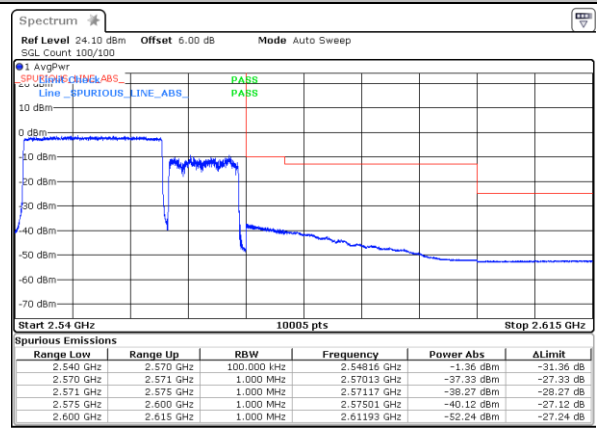
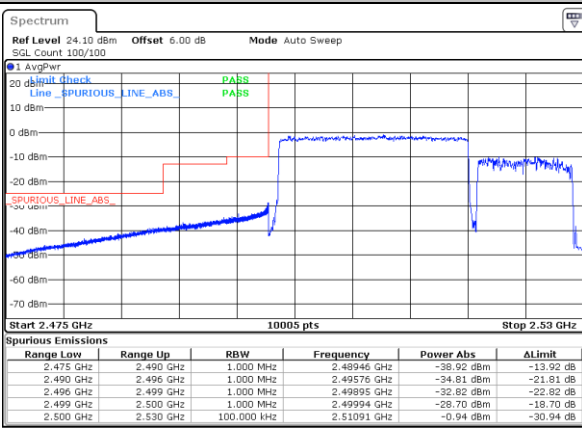


Date: 26.APR.2021 10:48:51

Date: 26.APR.2021 11:03:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 10:39:45

Date: 26.APR.2021 13:54:50

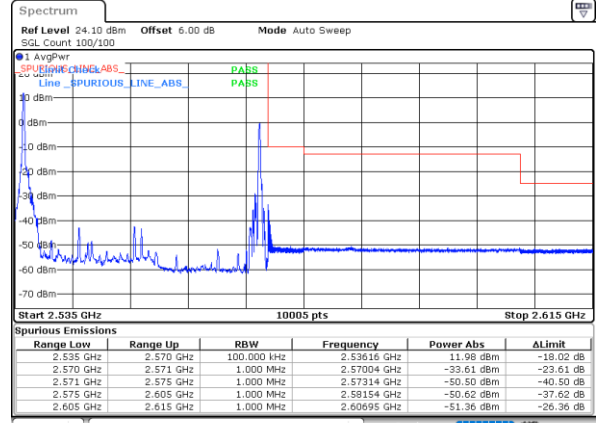
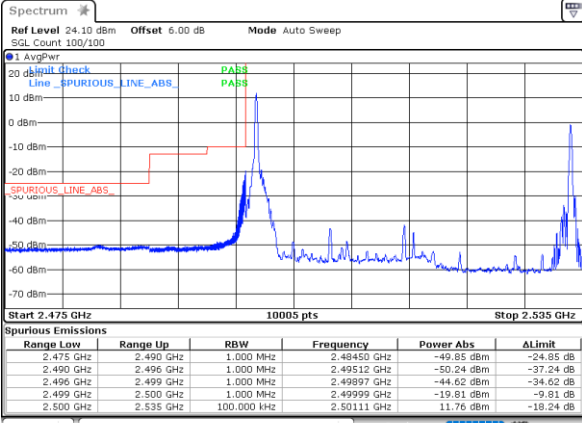


LTE Band 7C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

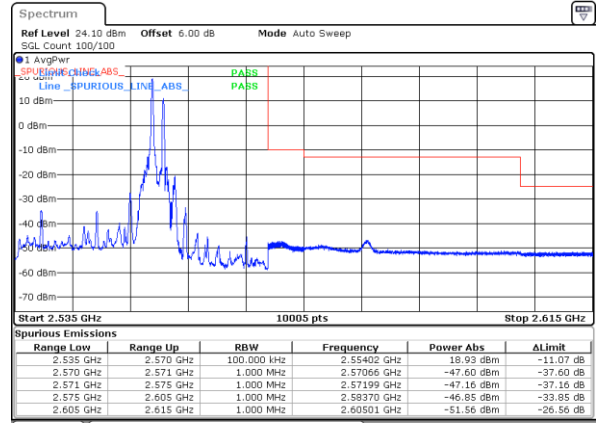
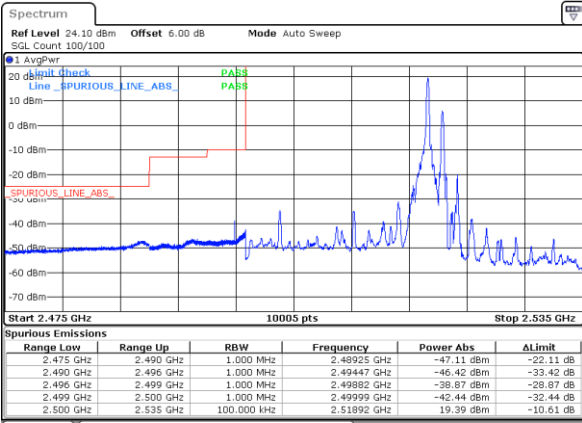


Date: 26.APR.2021 12:09:43

Date: 26.APR.2021 12:23:32

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

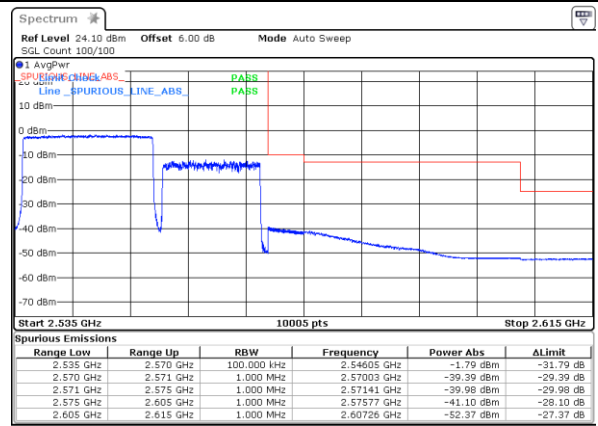
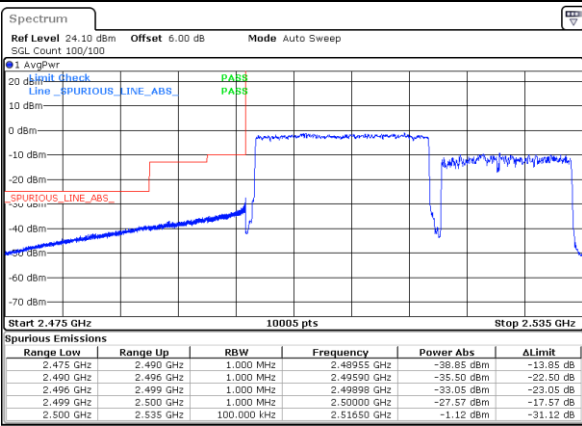


Date: 26.APR.2021 12:14:17

Date: 26.APR.2021 12:28:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 12:05:10

Date: 26.APR.2021 14:00:28

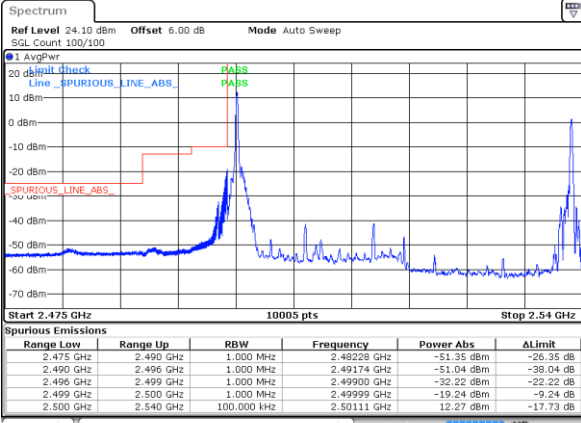


LTE Band 7C / 20MHz+20MHz

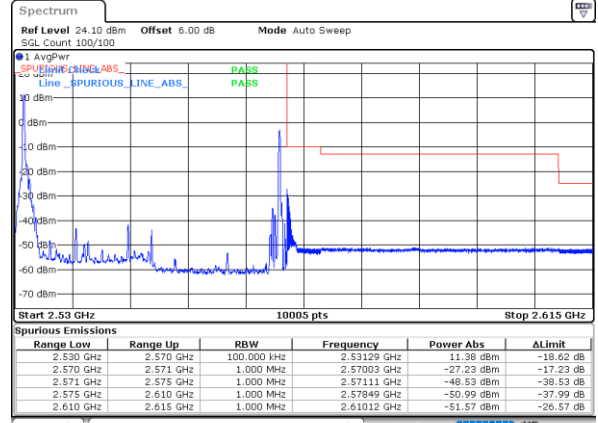
16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9



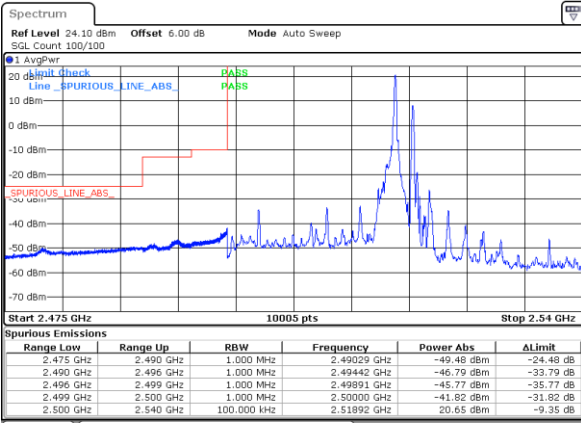
Date: 7 MAY 2021 19:30:32



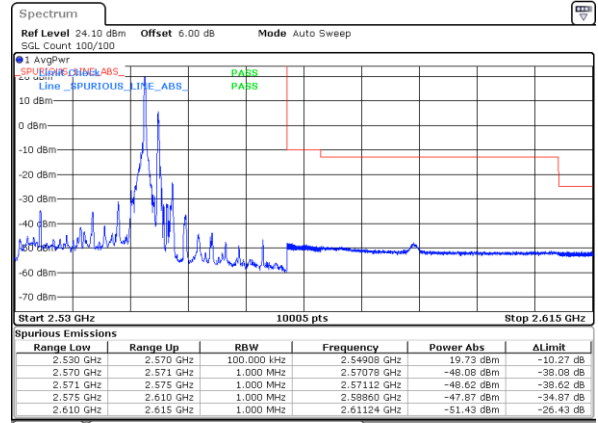
Date: 26 APR 2021 12:51:09

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



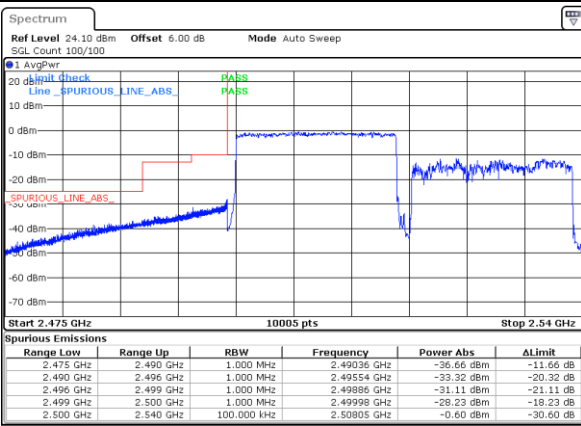
Date: 7 MAY 2021 19:32:27



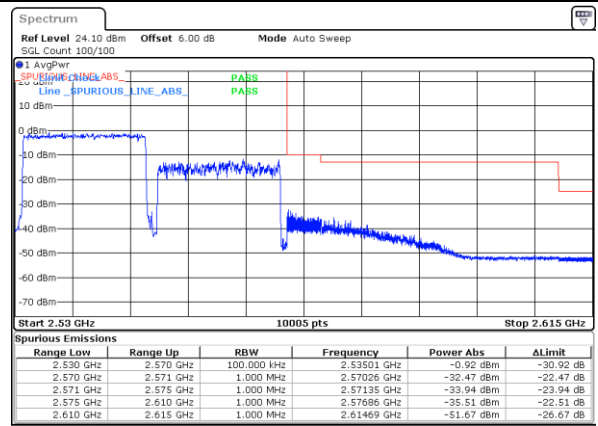
Date: 26 APR 2021 12:55:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7 MAY 2021 19:28:35



Date: 26 APR 2021 12:46:35

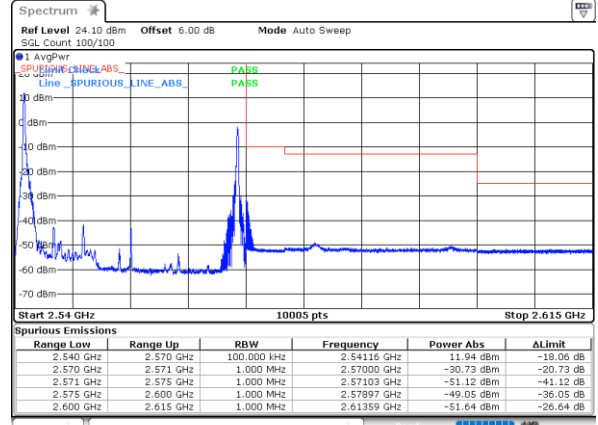
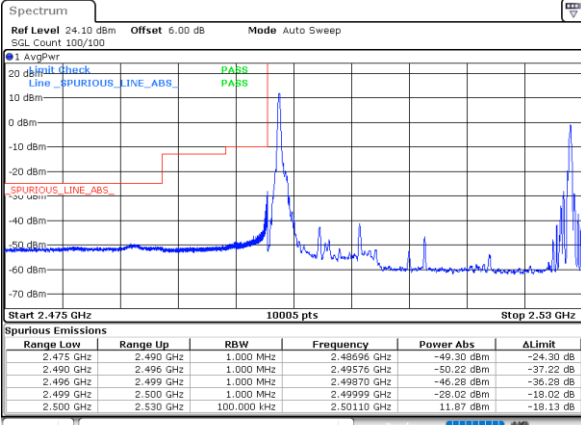


LTE Band 7C / 10MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

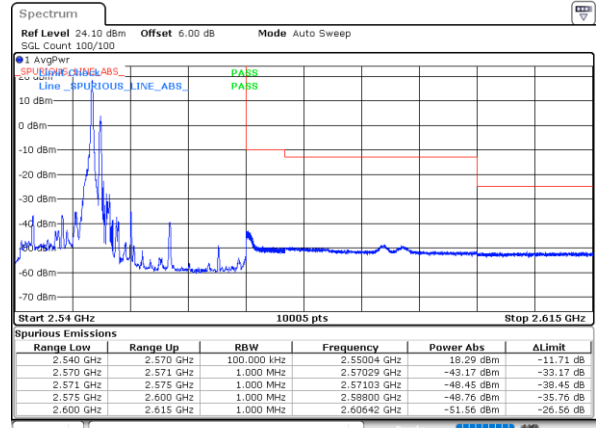
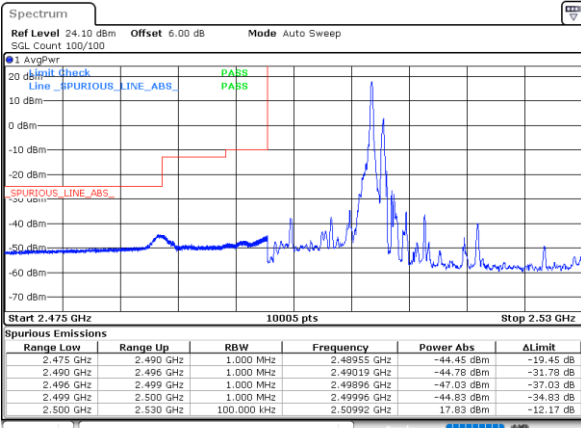


Date: 26.APR.2021 10:14:25

Date: 26.APR.2021 10:31:59

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

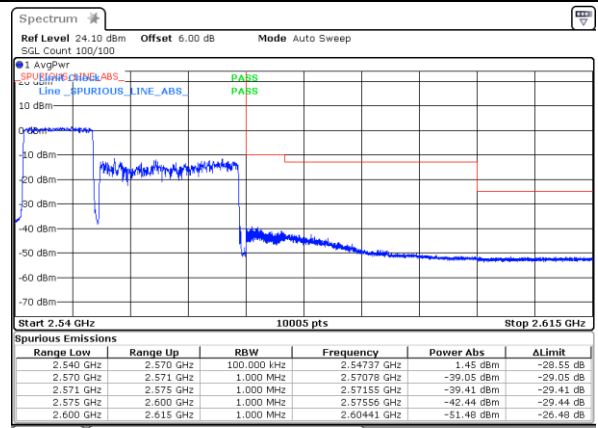
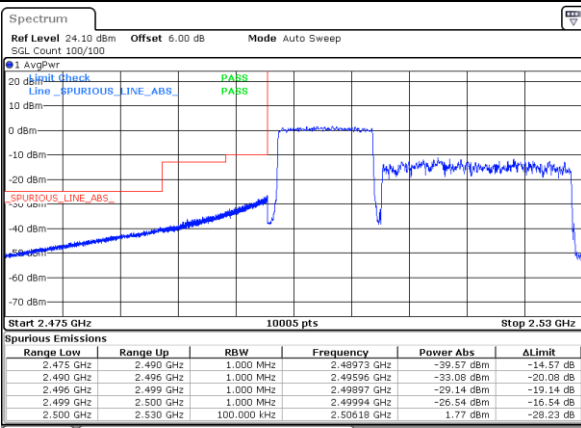


Date: 26.APR.2021 10:22:00

Date: 26.APR.2021 10:33:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 10:12:54

Date: 26.APR.2021 13:44:17

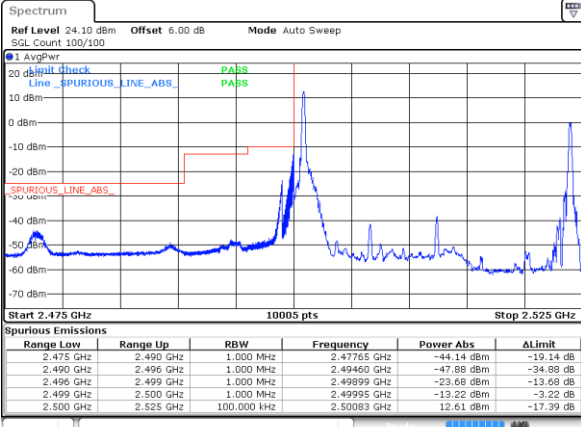


LTE Band 7C / 15MHz+10MHz

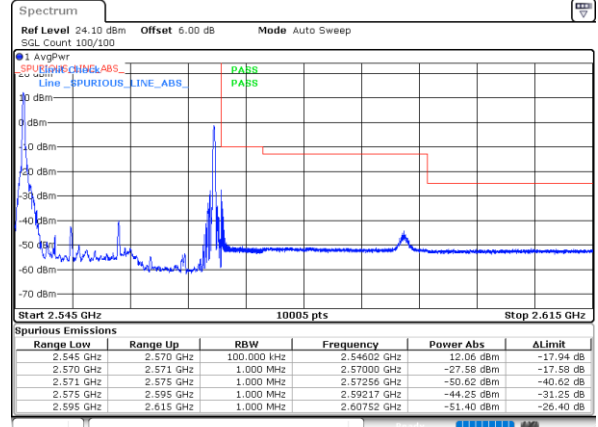
64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



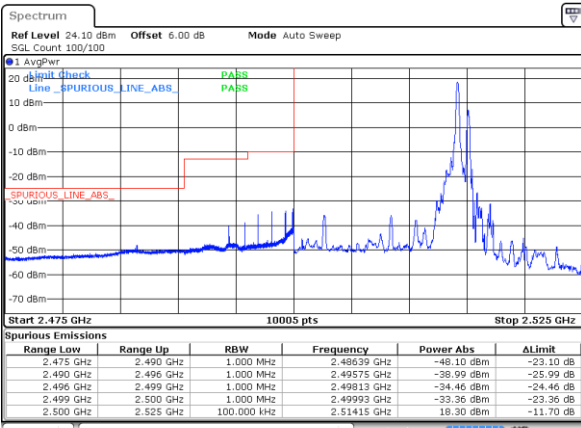
Date: 7 MAY 2021 19:14:07



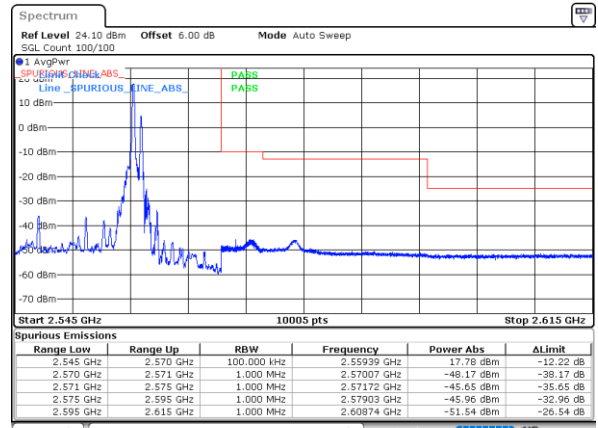
Date: 26 APR 2021 13:22:53

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



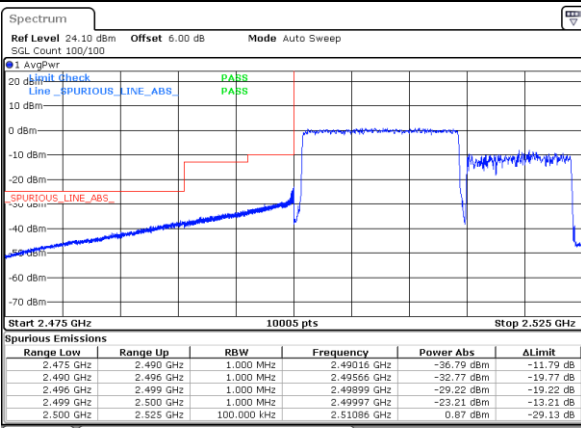
Date: 7 MAY 2021 19:11:36



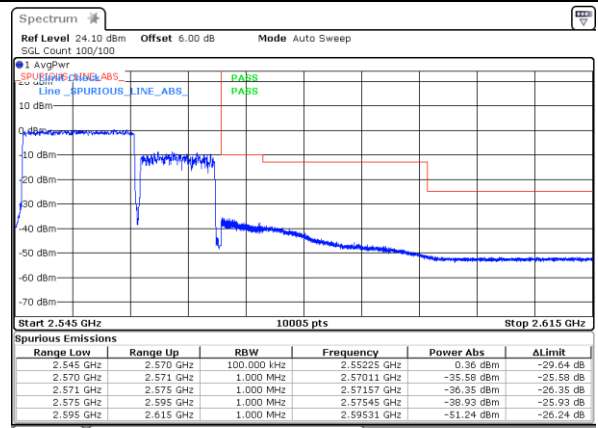
Date: 26 APR 2021 13:22:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7 MAY 2021 19:15:08



Date: 26 APR 2021 13:13:17

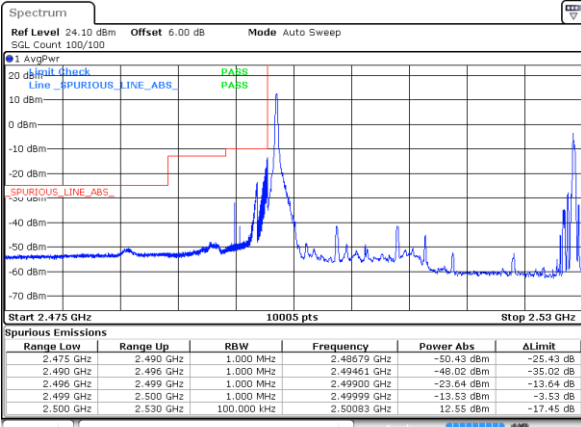


LTE Band 7C / 15MHz+15MHz

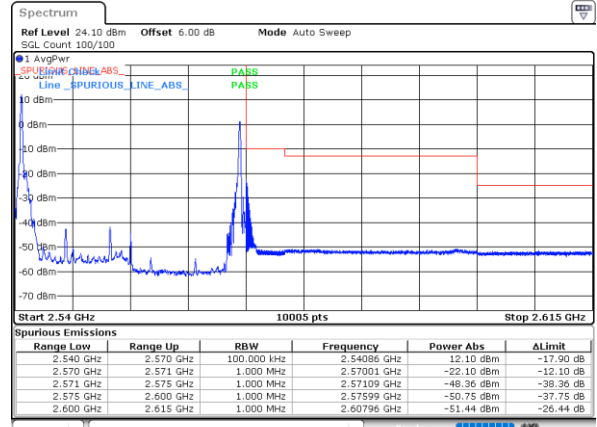
64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74



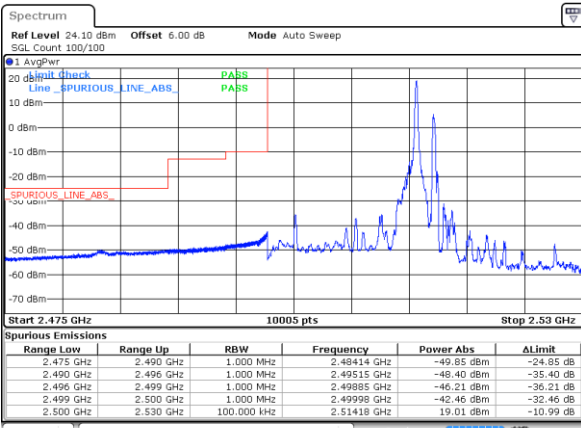
Date: 7 MAY 2021 19:23:51



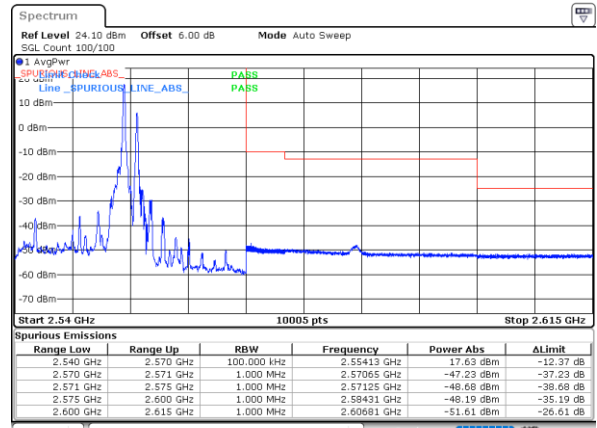
Date: 26 APR 2021 11:28:10

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



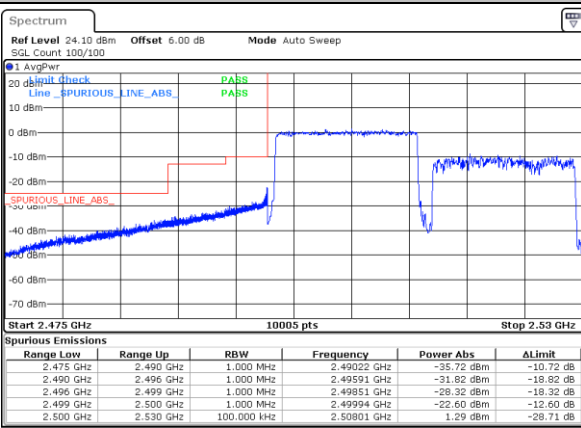
Date: 7 MAY 2021 19:20:47



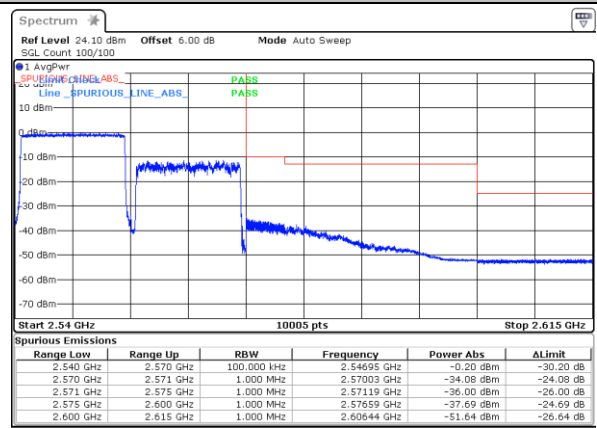
Date: 26 APR 2021 11:30:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7 MAY 2021 19:26:01



Date: 26 APR 2021 11:20:54

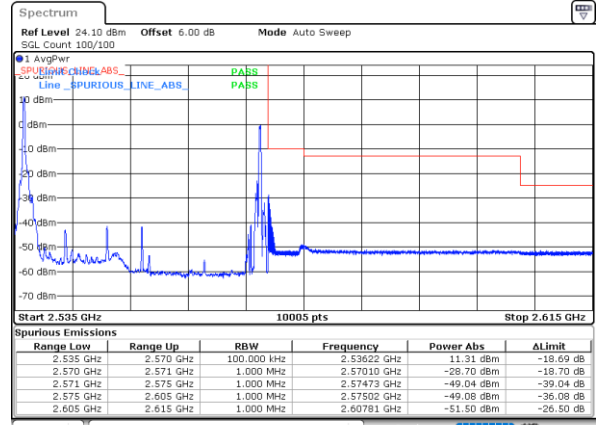
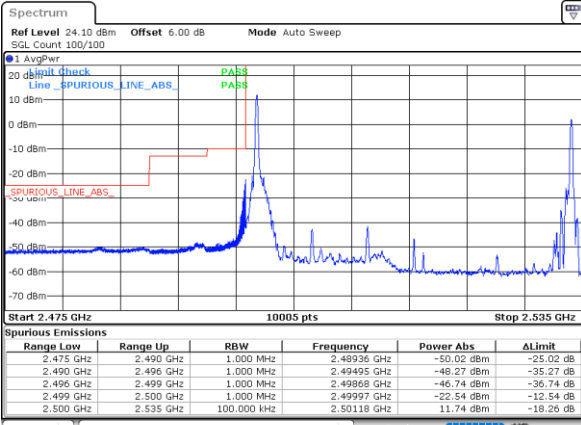


LTE Band 7C / 15MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

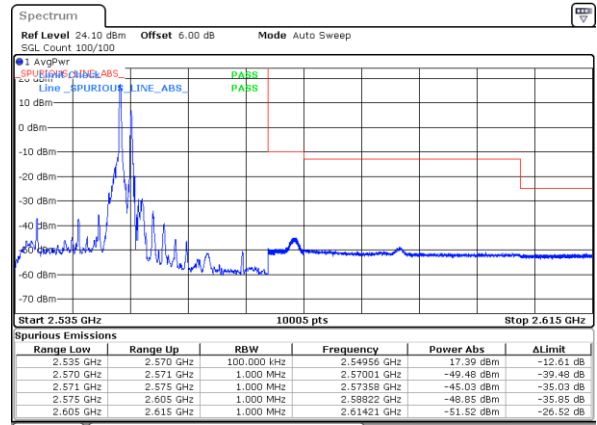
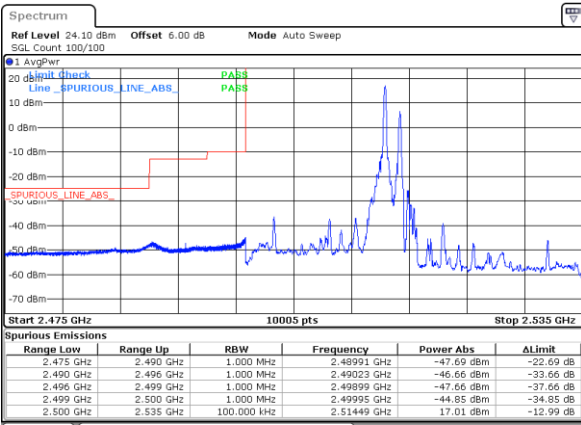


Date: 26.APR.2021 11:39:54

Date: 26.APR.2021 11:57:25

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

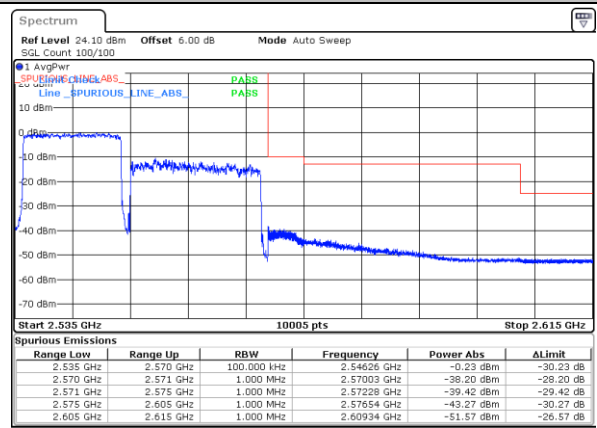
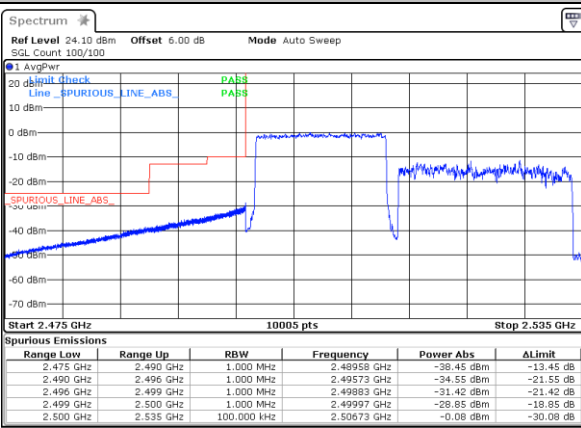


Date: 26.APR.2021 11:47:30

Date: 26.APR.2021 11:58:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 11:38:24

Date: 26.APR.2021 11:49:48

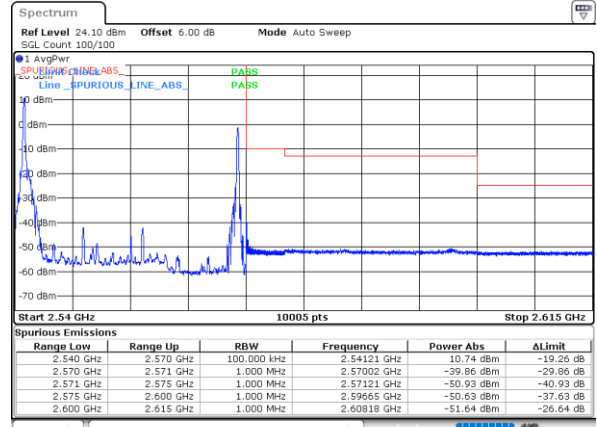
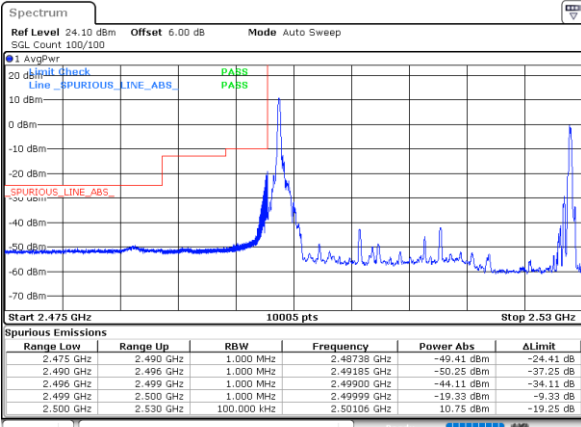


LTE Band 7C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

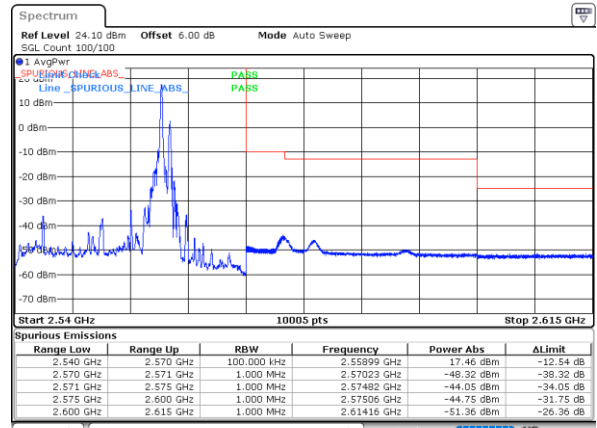
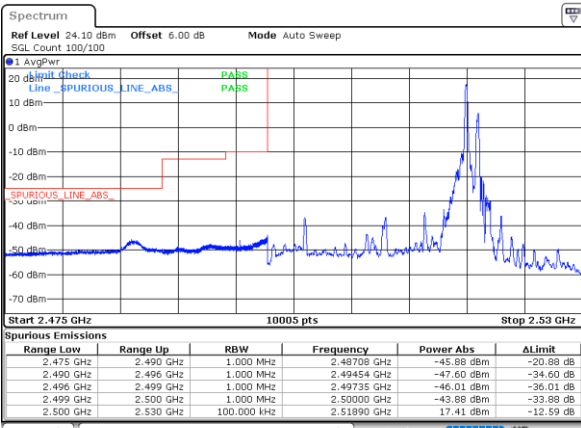


Date: 26.APR.2021 10:42:47

Date: 26.APR.2021 11:00:18

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

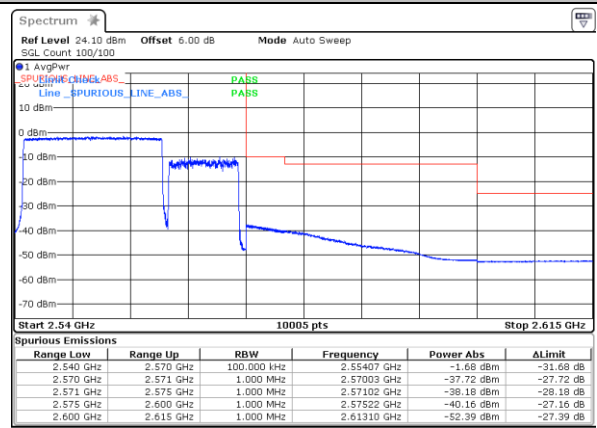
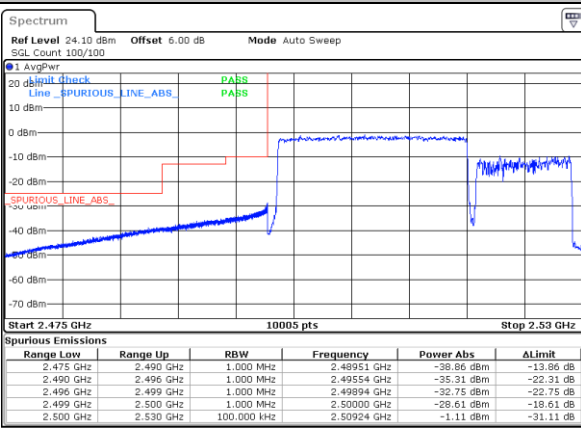


Date: 26.APR.2021 10:50:23

Date: 26.APR.2021 11:01:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 10:41:16

Date: 26.APR.2021 13:57:04

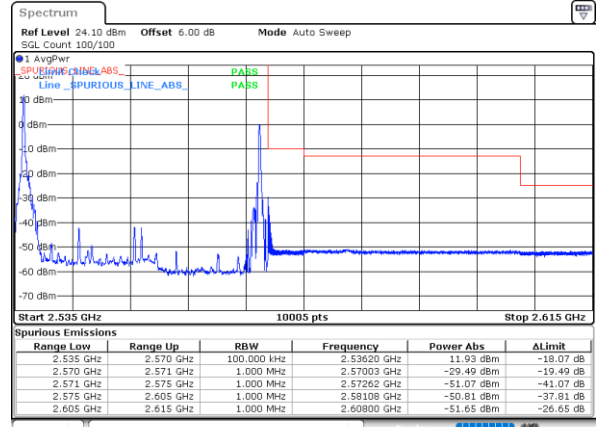
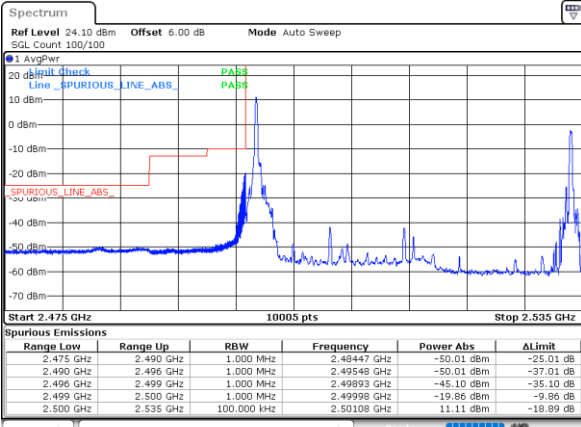


LTE Band 7C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

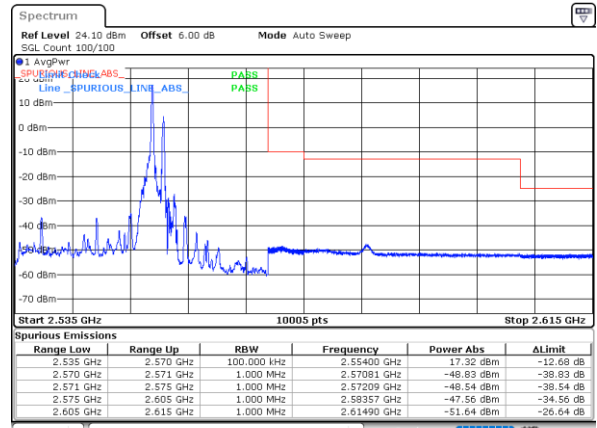
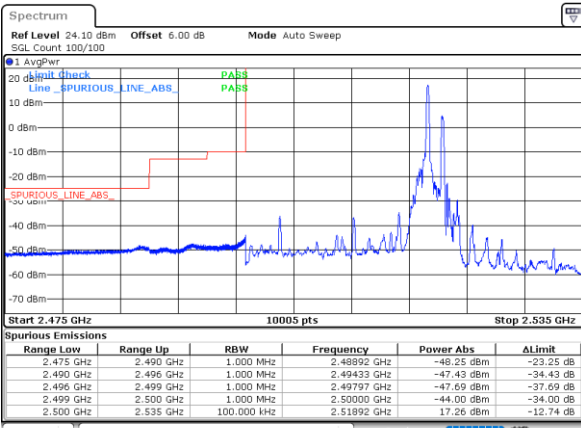


Date: 26.APR.2021 12:08:12

Date: 26.APR.2021 12:25:03

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

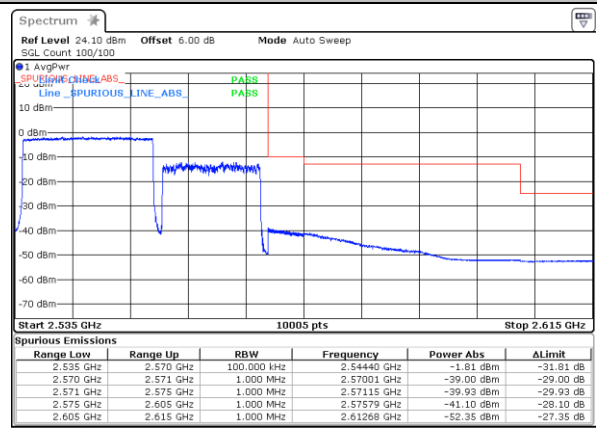
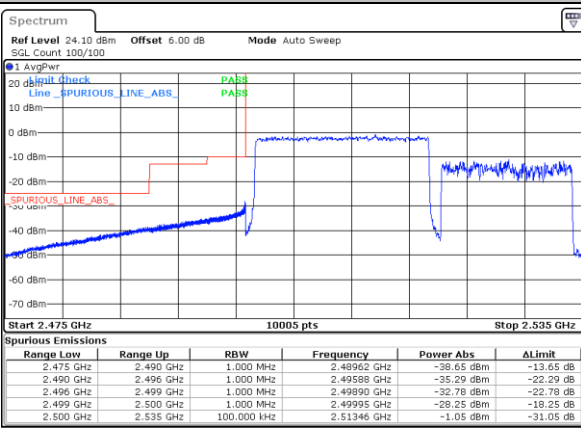


Date: 26.APR.2021 12:15:48

Date: 26.APR.2021 12:26:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.APR.2021 12:06:41

Date: 26.APR.2021 14:04:38

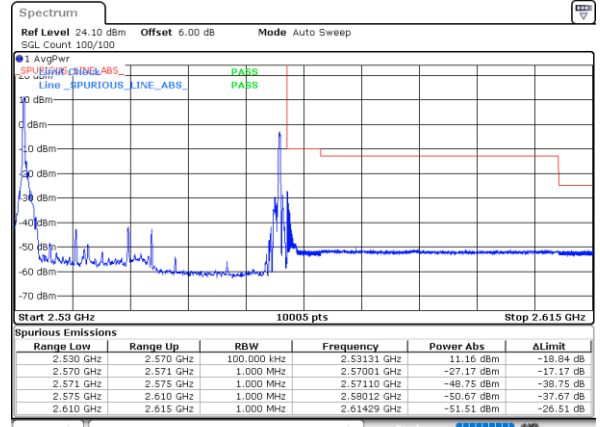
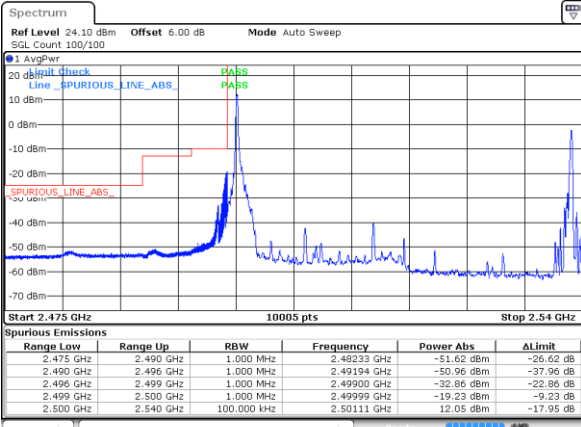


LTE Band 7C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

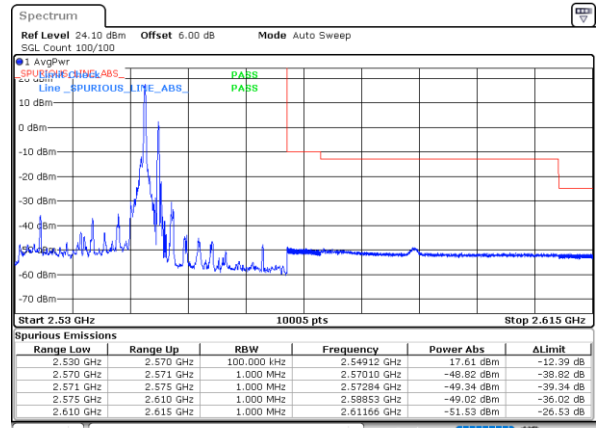
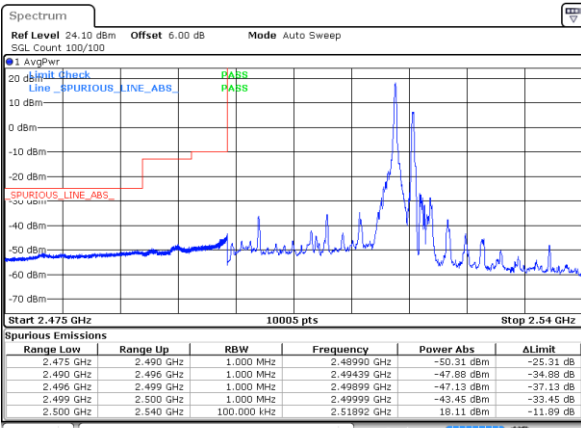


Date: 7 MAY 2021 19:29:43

Date: 26 APR 2021 12:52:41

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

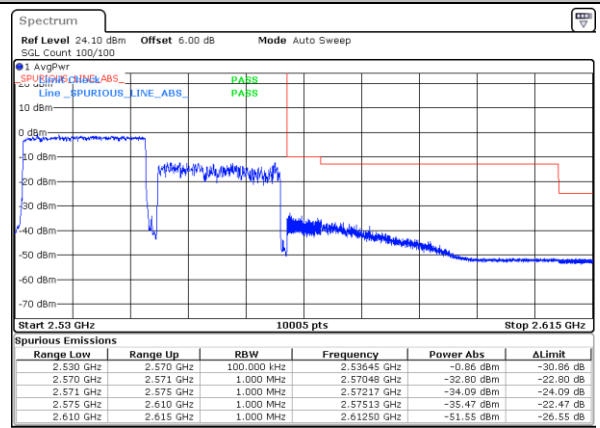
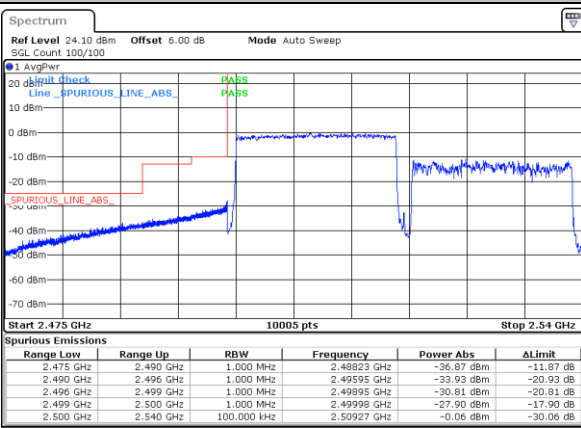


Date: 7 MAY 2021 19:33:04

Date: 26 APR 2021 12:54:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7 MAY 2021 19:29:02

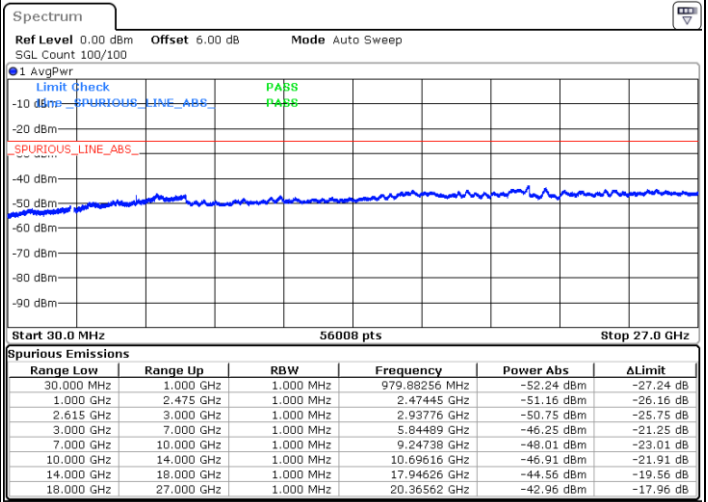
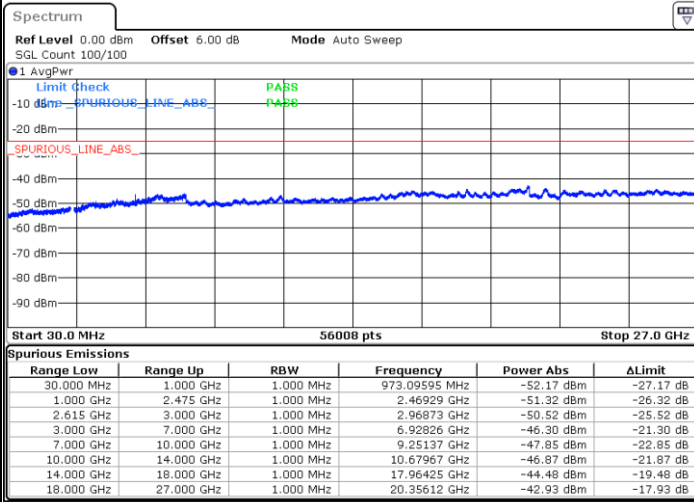
Date: 26 APR 2021 12:45:04



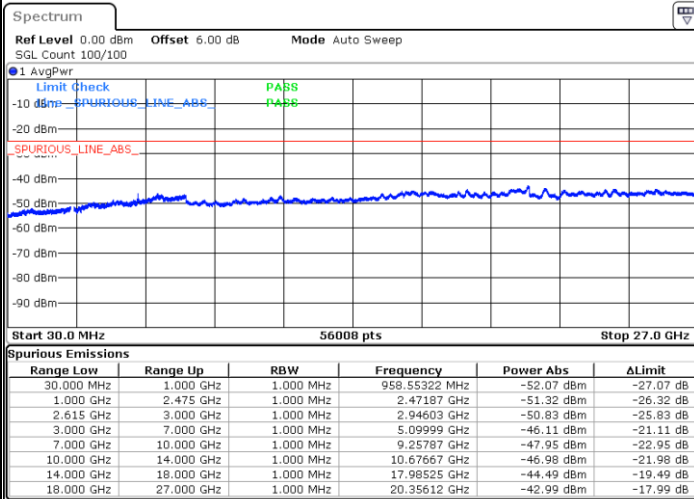
Conducted Spurious Emission

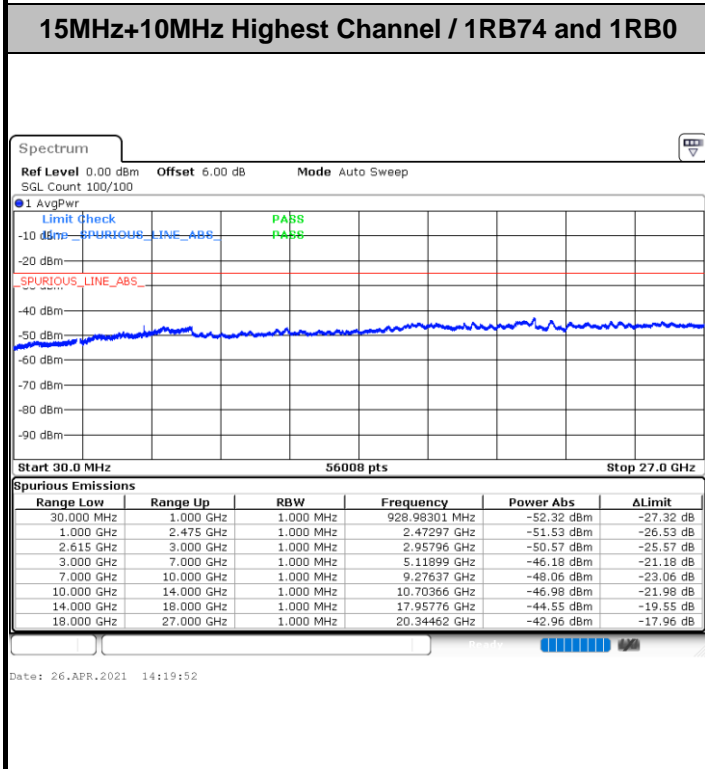
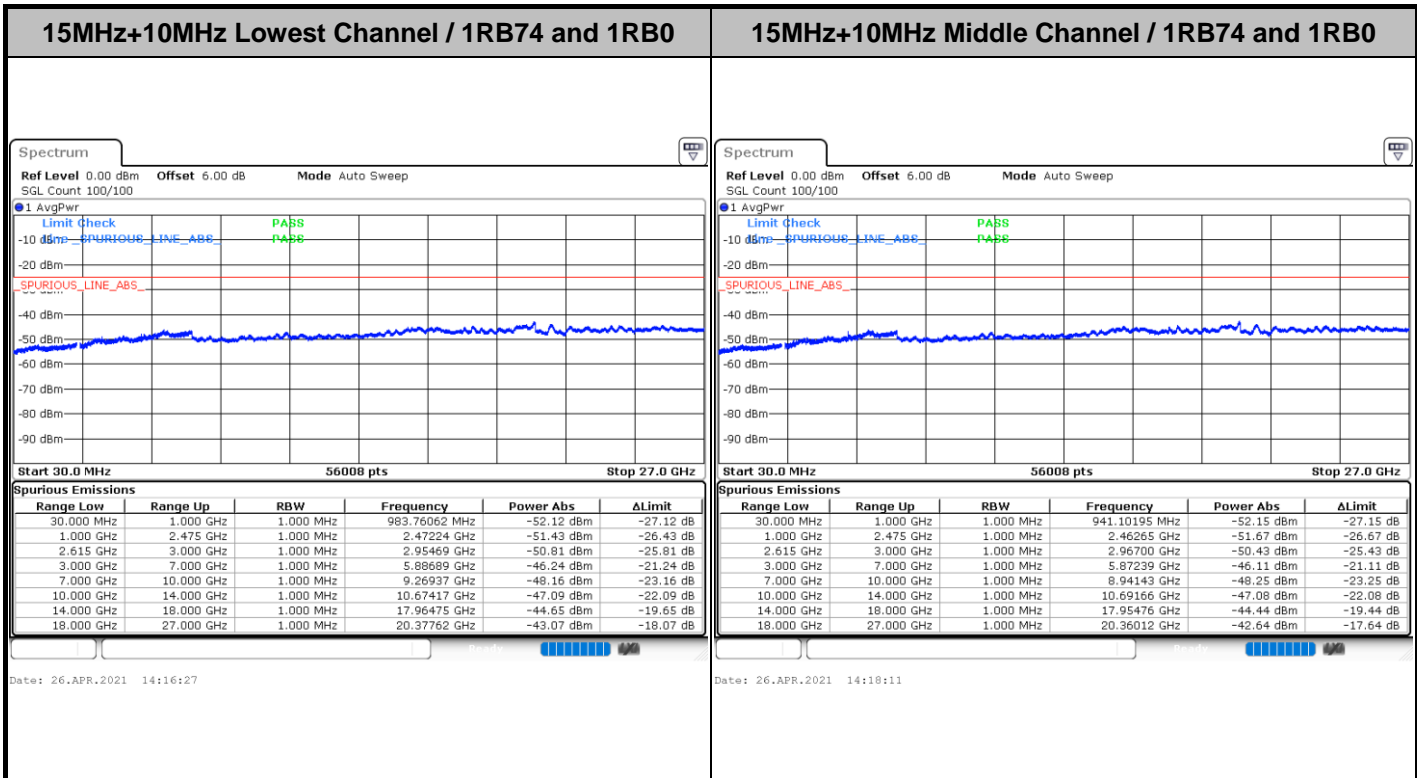
10MHz+20MHz Lowest Channel / 1RB49 and 1RB0

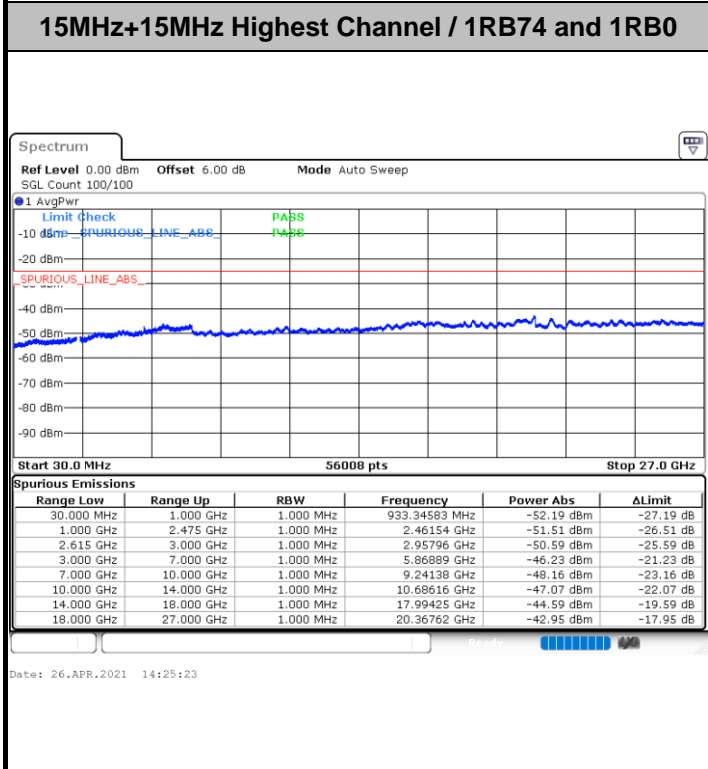
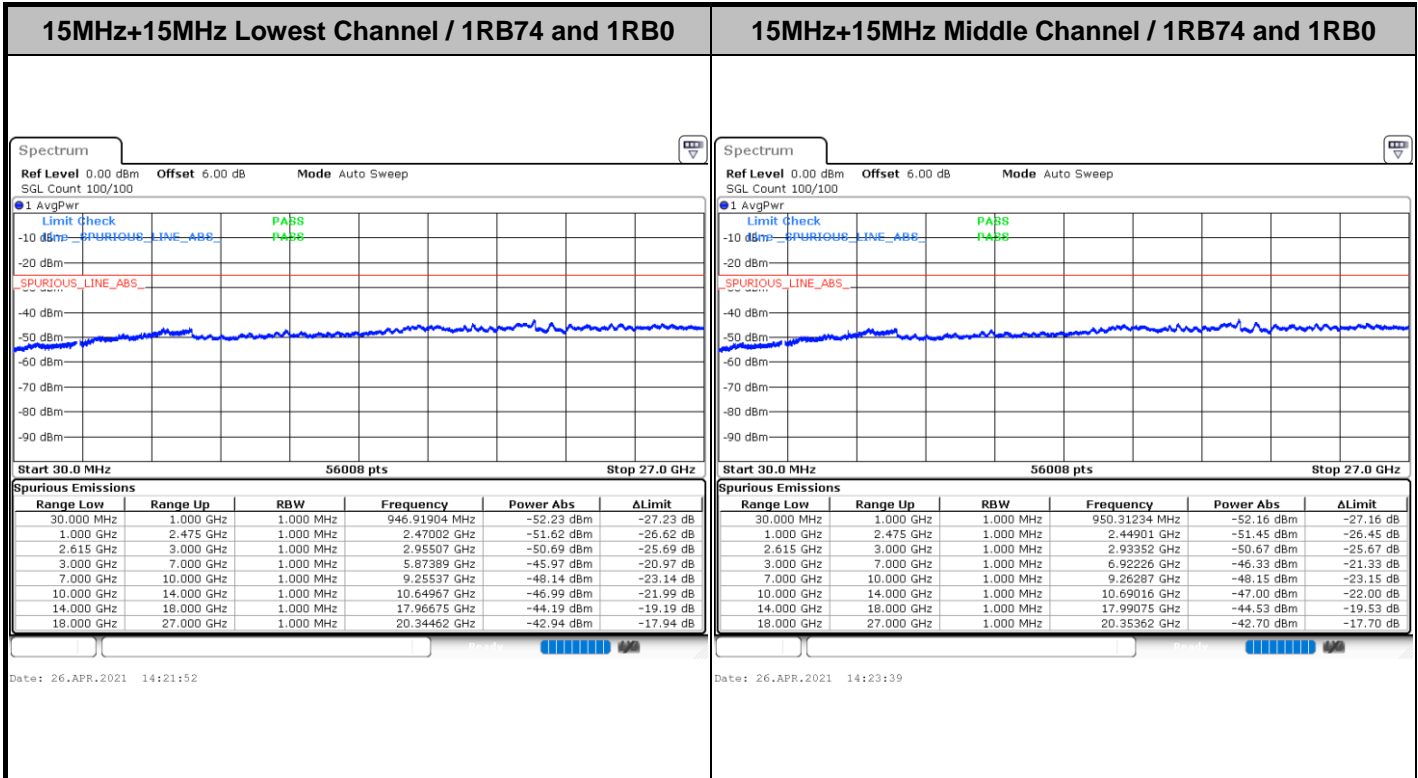
10MHz+20MHz Middle Channel / 1RB49 and 1RB0



10MHz+20MHz Highest Channel / 1RB49 and 1RB0



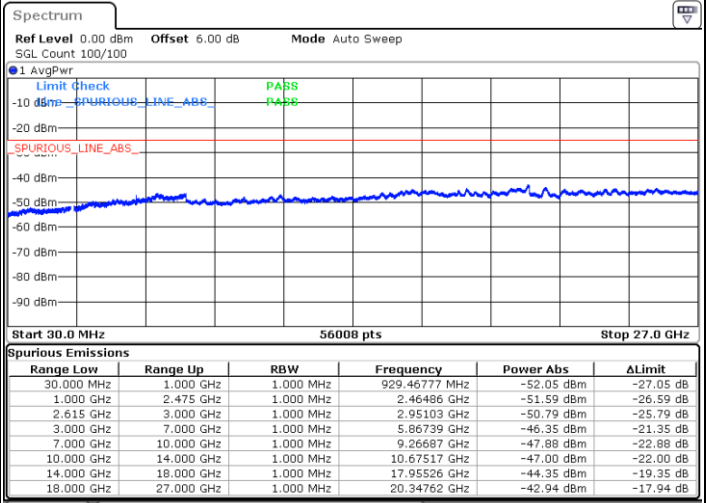
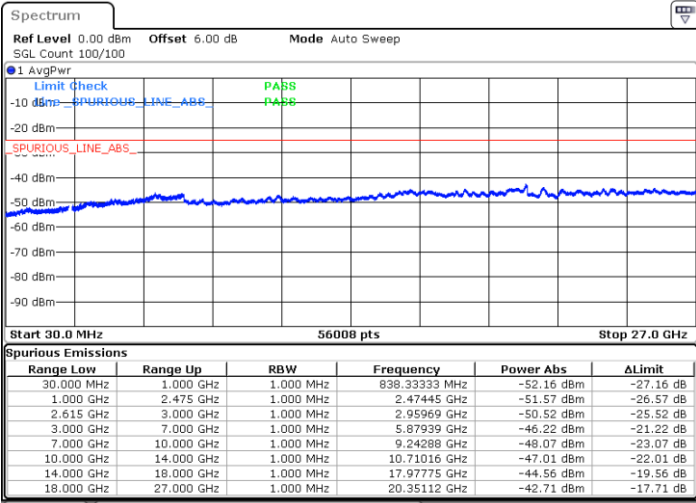






15MHz+20MHz Lowest Channel / 1RB74 and 1RB0

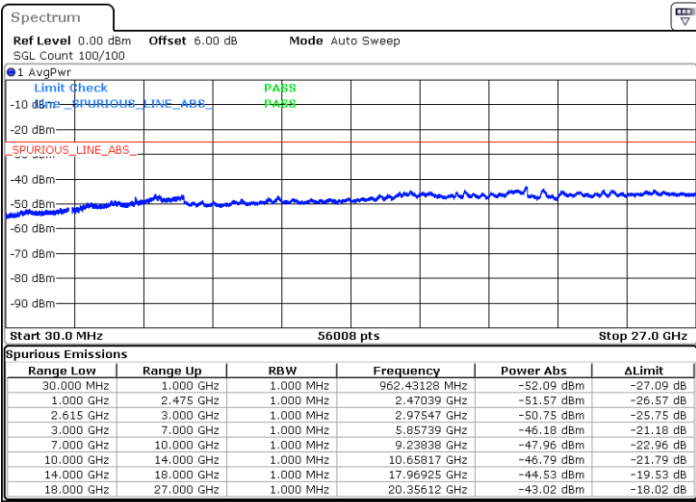
15MHz+20MHz Middle Channel / 1RB74 and 1RB0



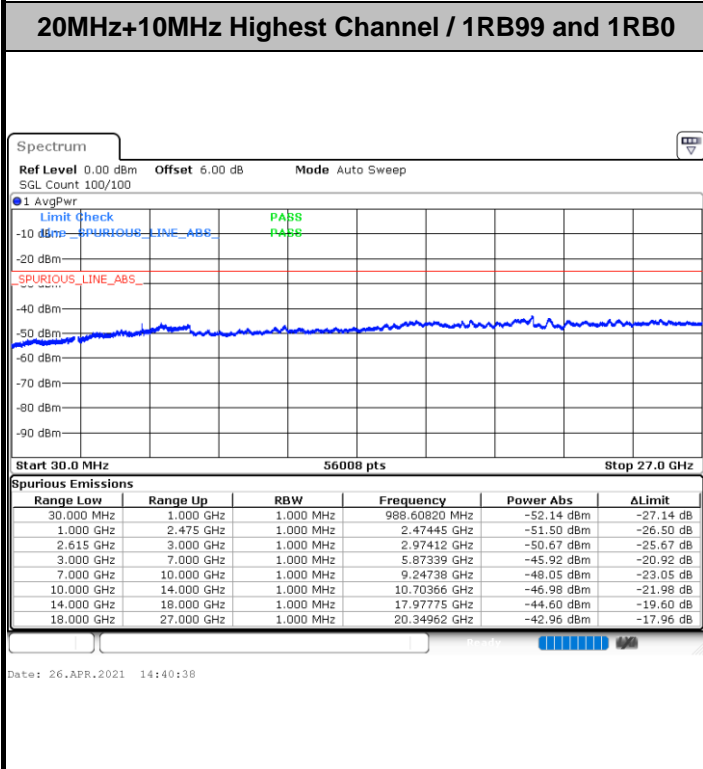
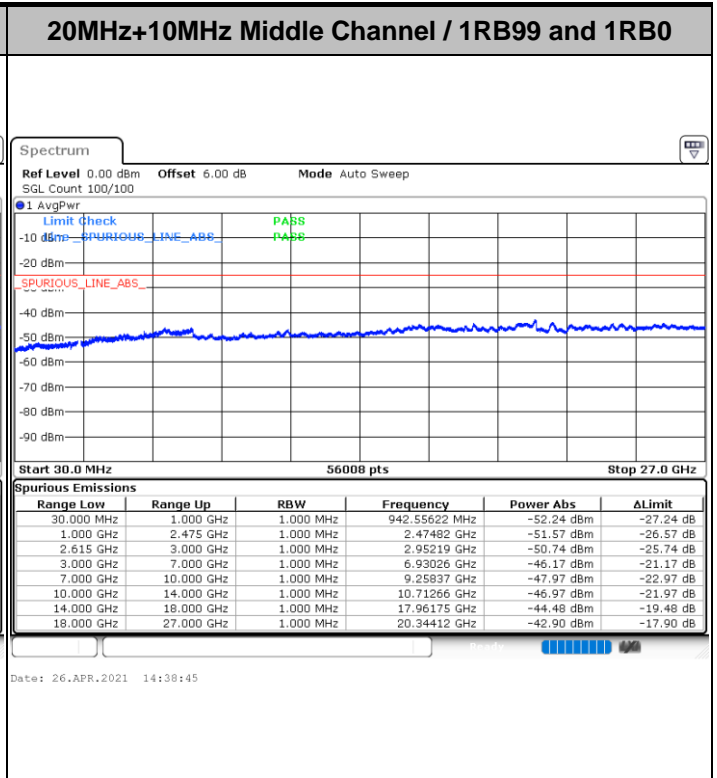
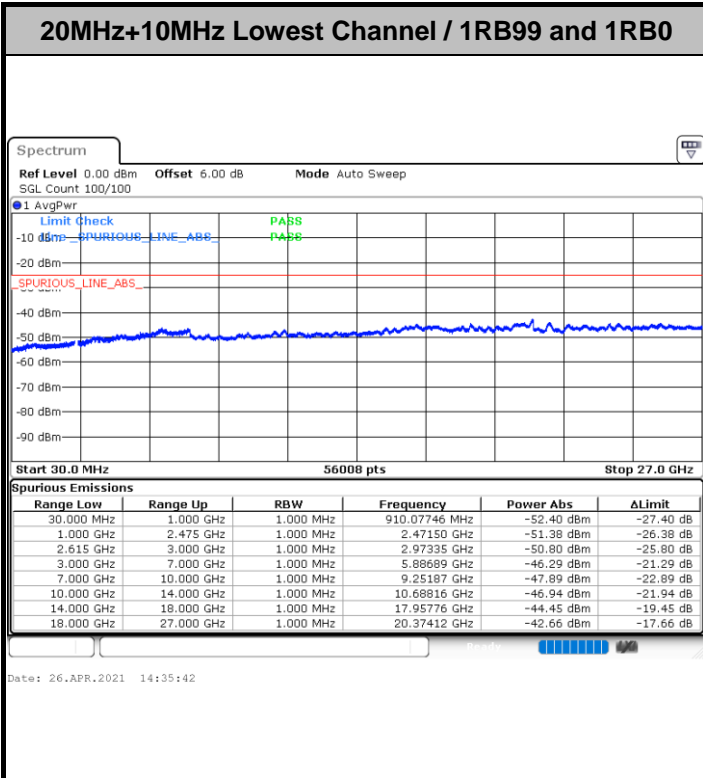
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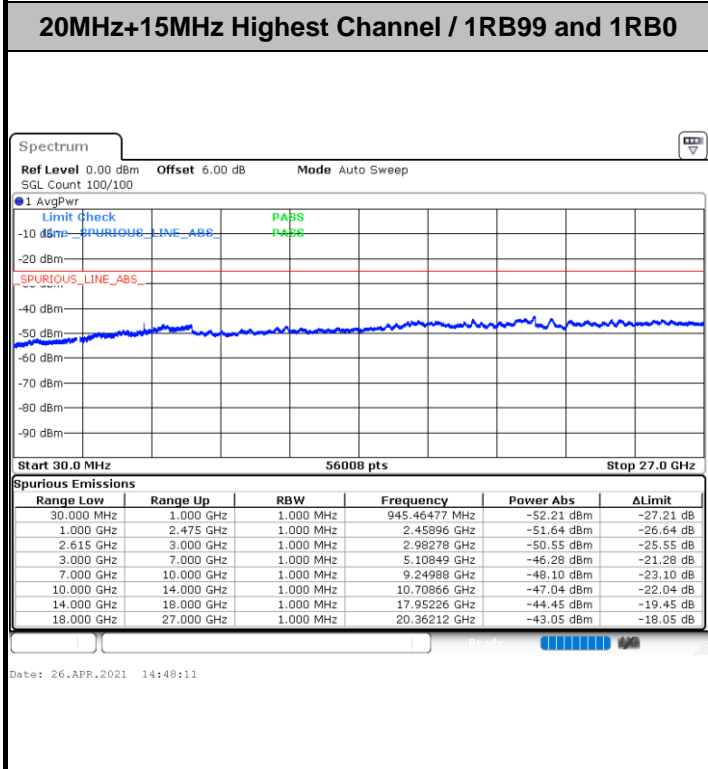
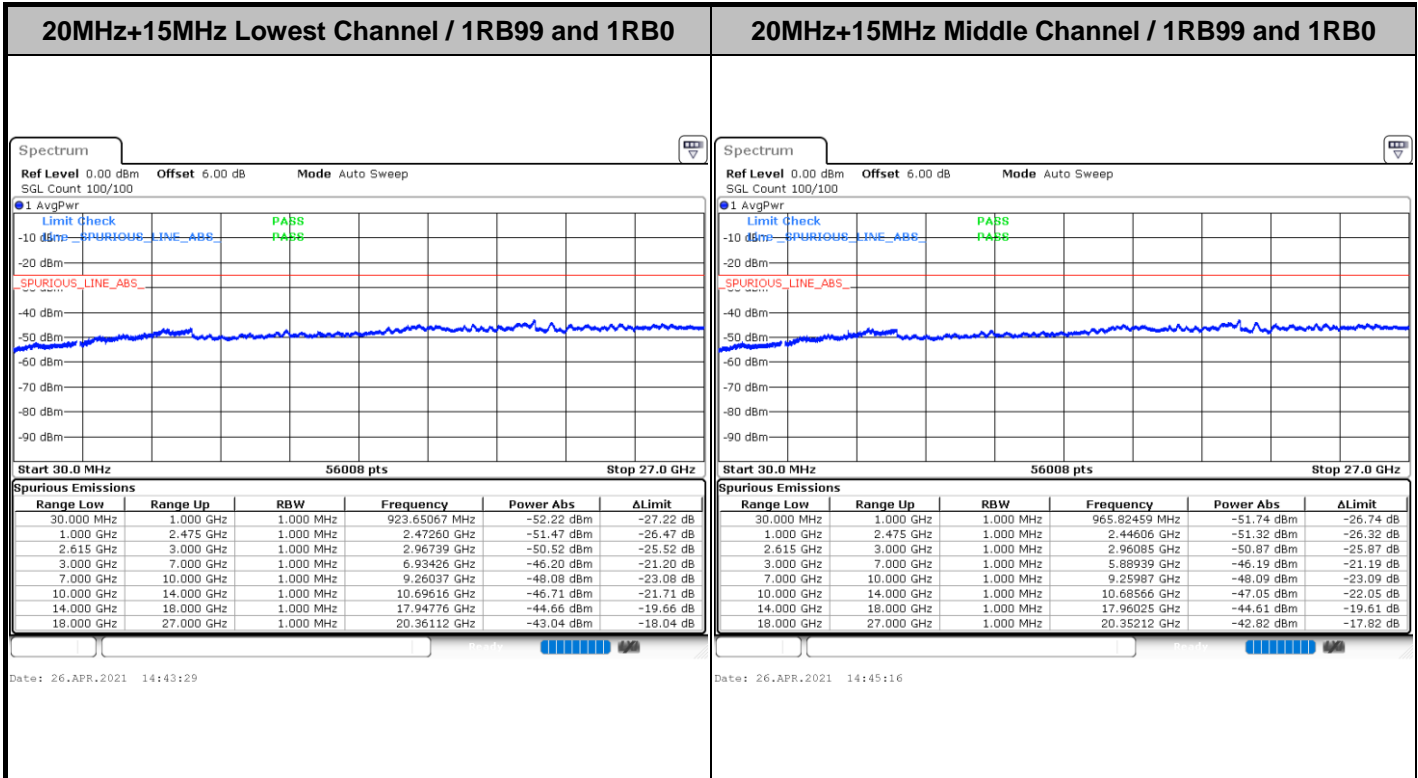
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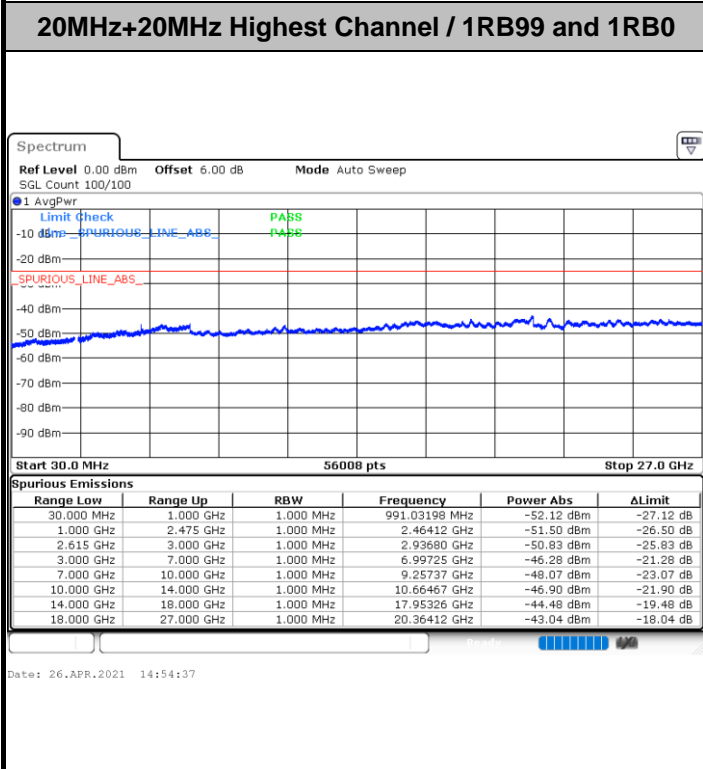
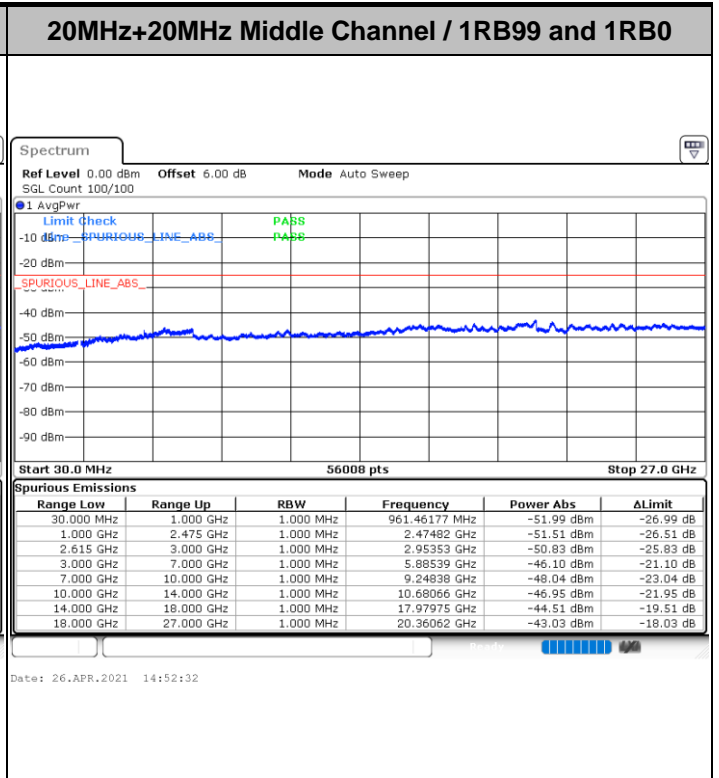
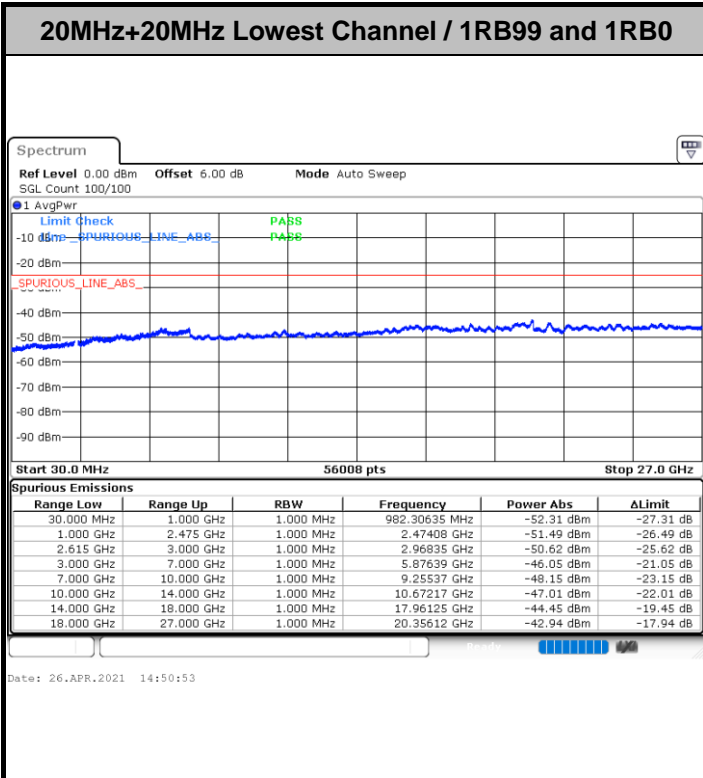
15MHz+20MHz Highest Channel / 1RB74 and 1RB0



Date: 26.APR.2021 14:32:03









Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V.
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	-56.90	-13	-43.90	-69.16	2.64	14.90	H
	5613	-54.83	-13	-41.83	-66.69	2.94	14.80	H
	7488	-52.37	-13	-39.37	-62.14	3.39	13.16	H
	3741	-56.67	-13	-43.67	-68.93	2.64	14.90	V
	5613	-55.56	-13	-42.56	-67.42	2.94	14.80	V
	7488	-52.11	-13	-39.11	-61.88	3.39	13.16	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	-61.78	-25	-36.78	-71.99	3.03	13.24	H
	7580	-60.82	-25	-35.82	-70.27	3.56	13.01	H
	10100	-59.93	-25	-34.93	-69.45	3.92	13.44	H
	12630	-54.64	-25	-29.64	-64.56	4.44	14.36	H
	5052	-61.73	-25	-36.73	-71.94	3.03	13.24	V
	7580	-60.74	-25	-35.74	-70.19	3.56	13.01	V
	10100	-60.31	-25	-35.31	-69.83	3.92	13.44	V
	12630	-52.93	-25	-27.93	-62.85	4.44	14.36	V

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

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-67.59	-13	-54.59	-74.56	1.58	10.70	H
	2110	-61.88	-13	-48.88	-70.13	2.10	12.50	H
	2812	-59.56	-13	-46.56	-68.45	2.86	13.90	H
	3516	-59.31	-13	-46.31	-67.00	3.46	13.30	H
	1406	-66.66	-13	-53.66	-73.63	1.58	10.70	V
	2110	-60.76	-13	-47.76	-69.01	2.10	12.50	V
	2812	-59.21	-13	-46.21	-68.10	2.86	13.90	V
	3516	-60.23	-13	-47.23	-67.92	3.46	13.30	V

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



LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-65.36	-42.15	-23.21	-67.99	1.09	5.87	H
	2340	-61.16	-13	-48.16	-63.56	1.37	5.92	H
	3120	-59.38	-13	-46.38	-63.27	1.64	7.68	H
	1560	-64.88	-42.15	-22.73	-67.51	1.09	5.87	V
	2340	-59.42	-13	-46.42	-61.82	1.37	5.92	V
	3120	-59.36	-13	-46.36	-63.25	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-66.30	-13	-53.30	-68.93	1.09	5.87	H
	2332	-61.68	-13	-48.68	-64.08	1.37	5.92	H
	3108	-60.06	-13	-47.06	-63.95	1.64	7.68	H
	1556	-65.65	-13	-52.65	-68.28	1.09	5.87	V
	2332	-59.59	-13	-46.59	-61.99	1.37	5.92	V
	3108	-59.82	-13	-46.82	-63.71	1.64	7.68	V

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

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1660	-65.39	-13	-52.39	-72.36	1.58	10.70	H
	2490	-60.90	-13	-47.90	-69.15	2.102	12.50	H
	3318	-59.85	-13	-46.85	-68.74	2.856	13.90	H
	1660	-64.20	-13	-51.20	-71.17	1.58	10.70	V
	2490	-58.95	-13	-45.95	-67.20	2.10	12.50	V
	3318	-60.17	-13	-47.17	-69.06	2.86	13.90	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	-59.51	-25	-34.51	-69.72	3.03	13.24	H
	7752	-56.12	-25	-31.12	-65.57	3.56	13.01	H
	10340	-58.19	-25	-33.19	-67.71	3.92	13.44	H
	12920	-35.42	-25	-10.42	-44.46	4.39	13.43	H
	15500	-42.22	-25	-17.22	-50.91	4.83	13.53	H
	5168	-57.44	-25	-32.44	-67.65	3.03	13.24	V
	7752	-55.20	-25	-30.20	-64.65	3.56	13.01	V
	10340	-55.11	-25	-30.11	-64.63	3.92	13.44	V
	12920	-32.36	-25	-7.36	-41.40	4.39	13.43	V
15500	-36.89	-25	-11.89	-45.58	4.83	13.53	V	

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

LTE Band 66 / 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	3471	-57.69	-13	-44.69	-68.43	2.604	13.34	H
	5208	-54.32	-13	-41.32	-64.83	3.011	13.52	H
	6948	-54.24	-13	-41.24	-64.44	3.271	13.47	H
	3471	-58.18	-13	-45.18	-68.92	2.604	13.34	V
	5208	-54.88	-13	-41.88	-65.39	3.011	13.52	V
	6948	-54.29	-13	-41.29	-64.49	3.271	13.47	V

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

LTE Band 7C / 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	-61.10	-25	-36.10	-71.31	3.03	13.24	H
	7548	-61.52	-25	-36.52	-70.97	3.56	13.01	H
	10060	-59.78	-25	-34.78	-69.30	3.92	13.44	H
	5032	-61.20	-25	-36.20	-71.41	3.03	13.24	V
	7548	-61.68	-25	-36.68	-71.13	3.56	13.01	V
	10060	-59.64	-25	-34.64	-69.16	3.92	13.44	V

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