

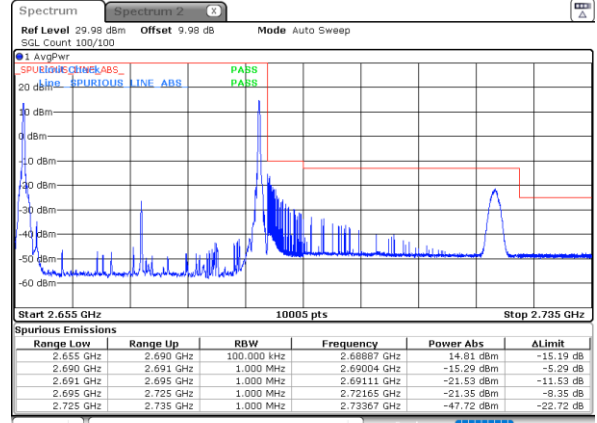
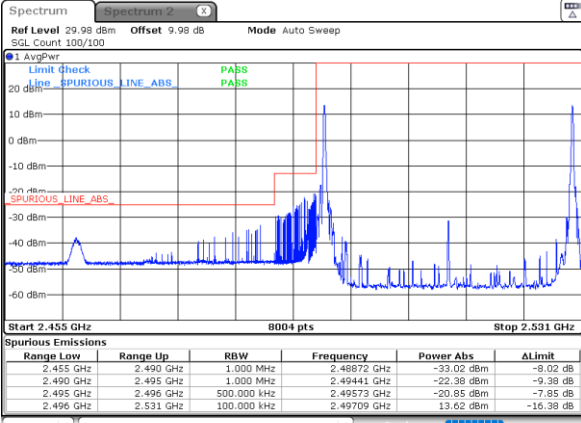


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

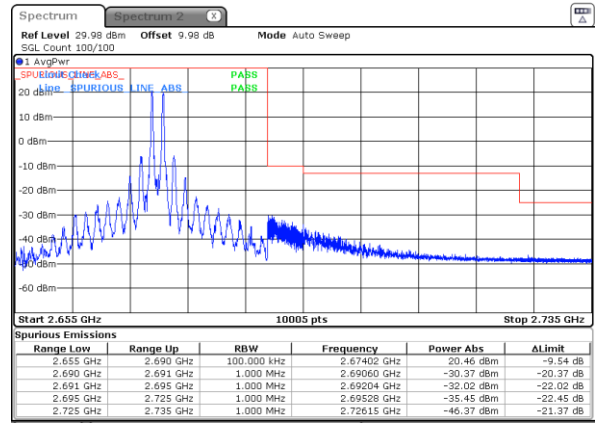
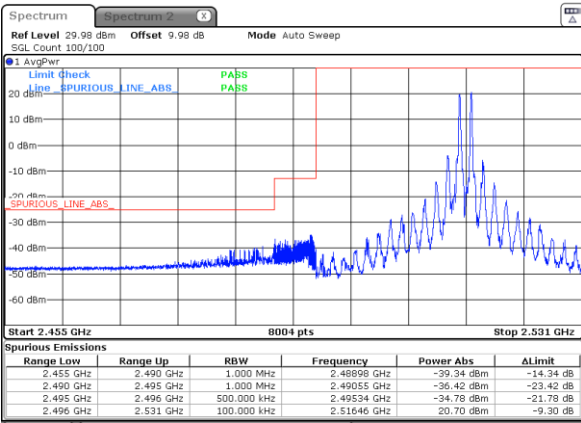


Date: 30, DEC, 2024 21:57:57

Date: 30, DEC, 2024 22:11:18

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

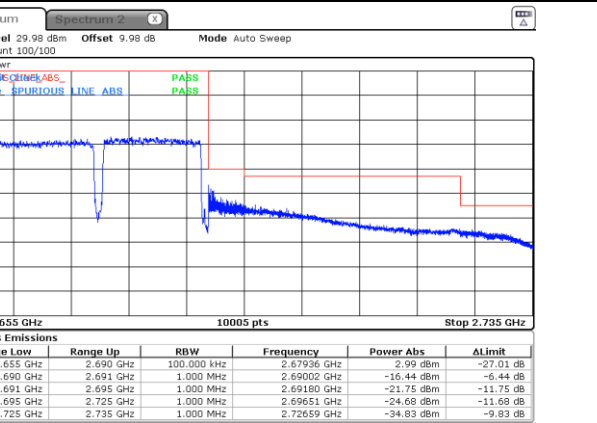
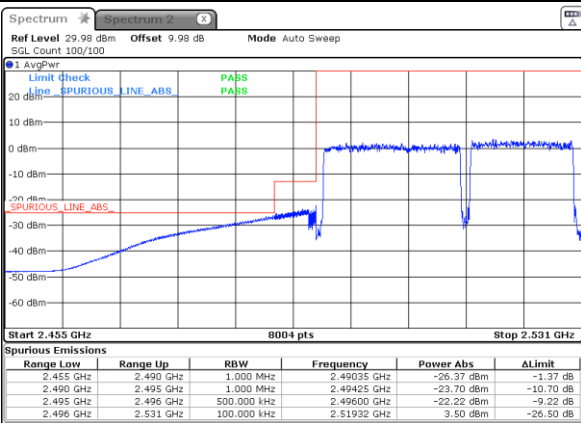


Date: 30, DEC, 2024 21:54:33

Date: 30, DEC, 2024 22:07:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, DEC, 2024 23:10:27

Date: 30, DEC, 2024 22:14:41

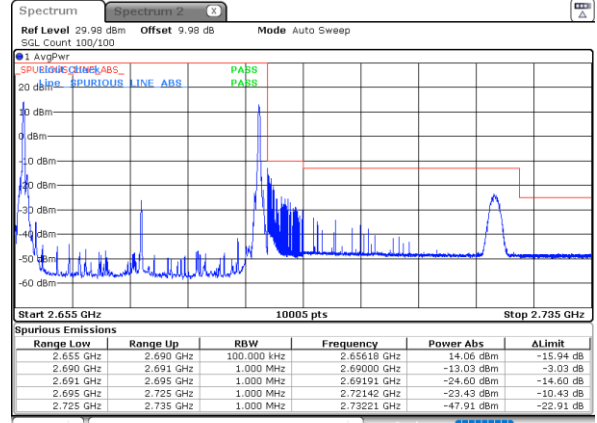
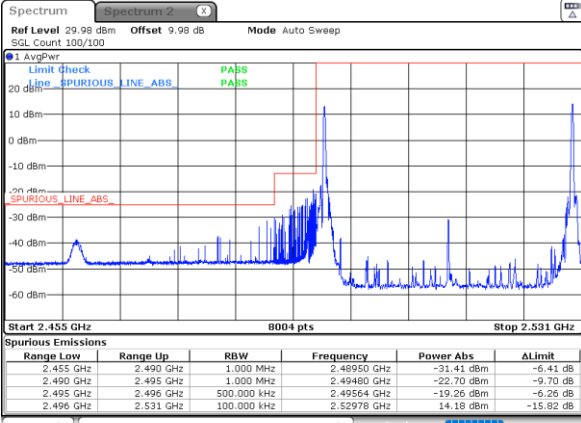


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

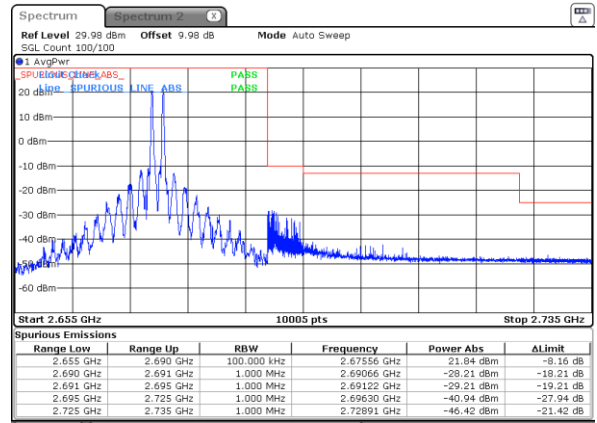
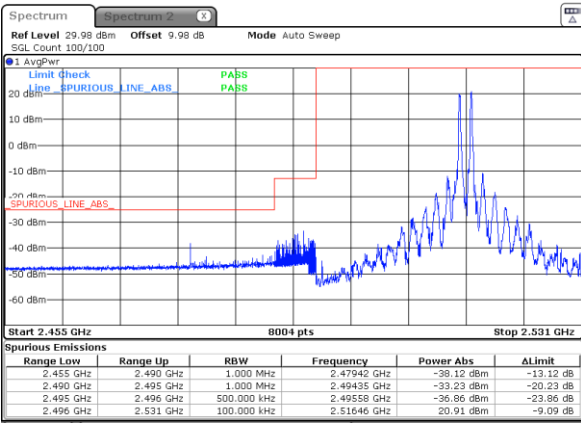


Date: 30, DEC, 2024 21:58:48

Date: 30, DEC, 2024 22:12:09

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

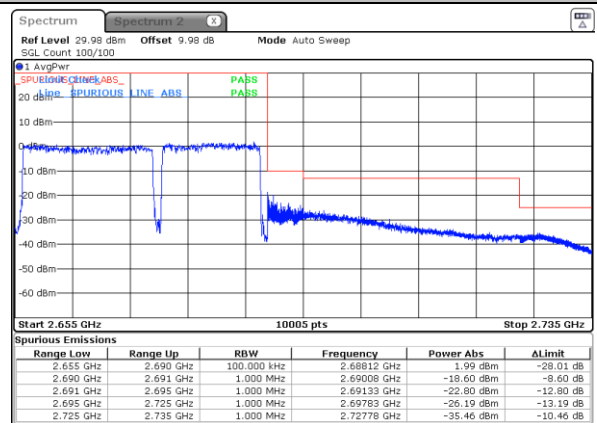
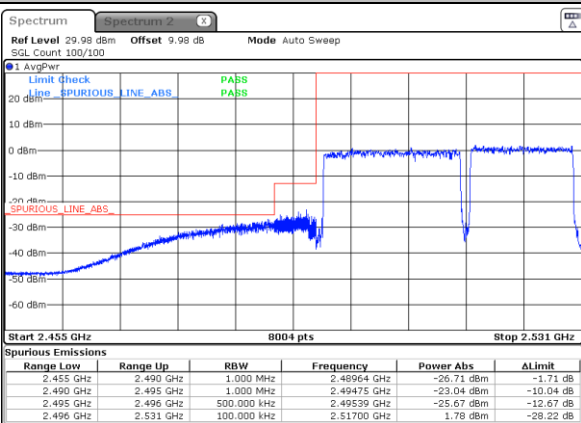


Date: 30, DEC, 2024 21:55:24

Date: 30, DEC, 2024 22:08:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, DEC, 2024 22:02:12

Date: 30, DEC, 2024 22:15:31

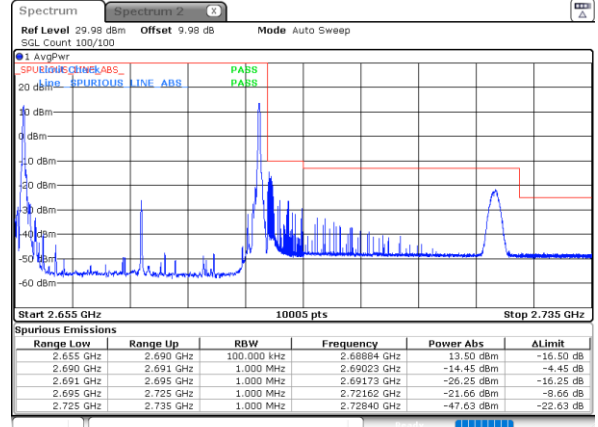
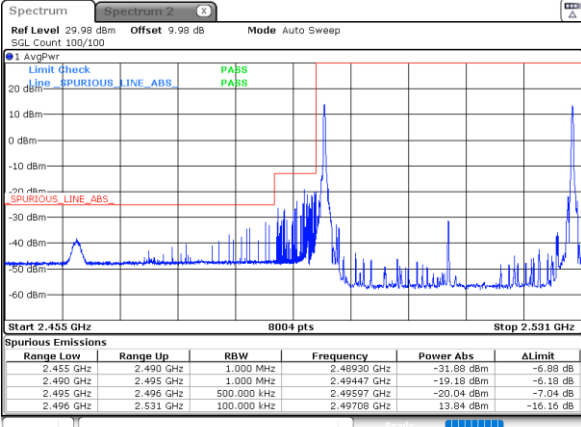


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

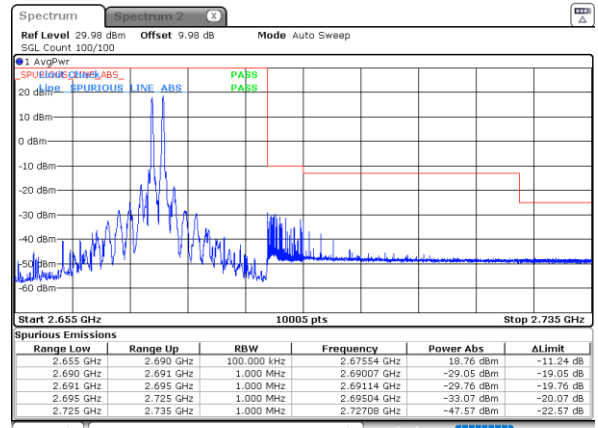
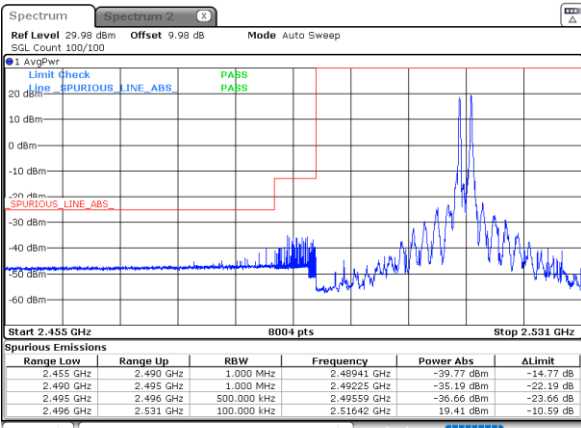


Date: 30, DEC, 2024 21:59:39

Date: 30, DEC, 2024 22:12:59

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

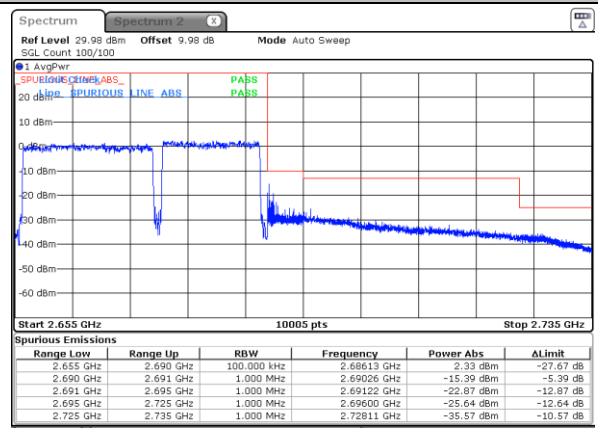
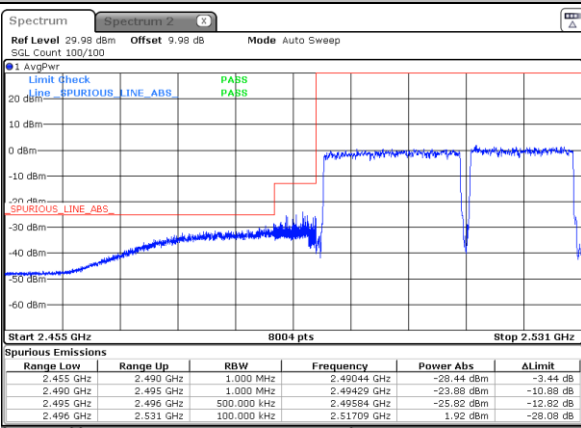


Date: 30, DEC, 2024 21:56:15

Date: 30, DEC, 2024 22:09:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, DEC, 2024 22:03:03

Date: 30, DEC, 2024 22:16:23

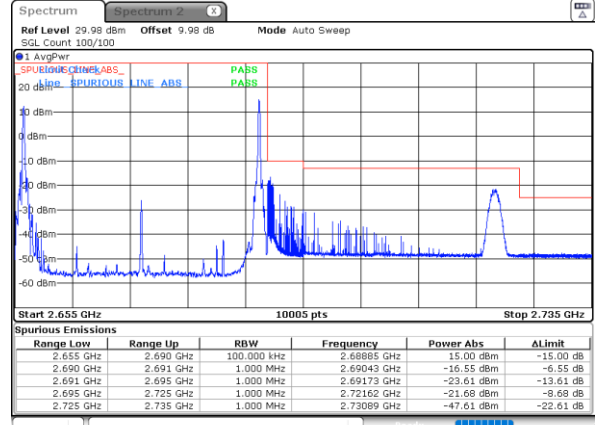
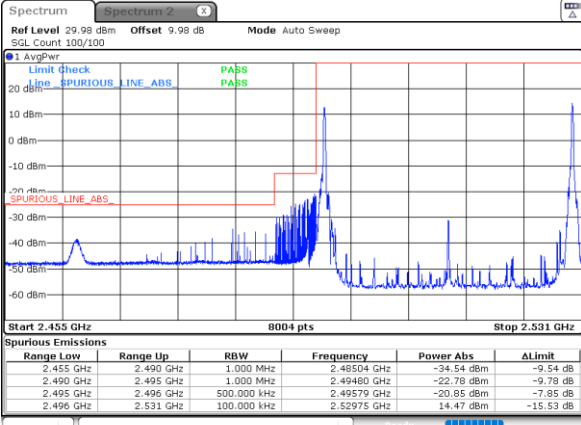


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

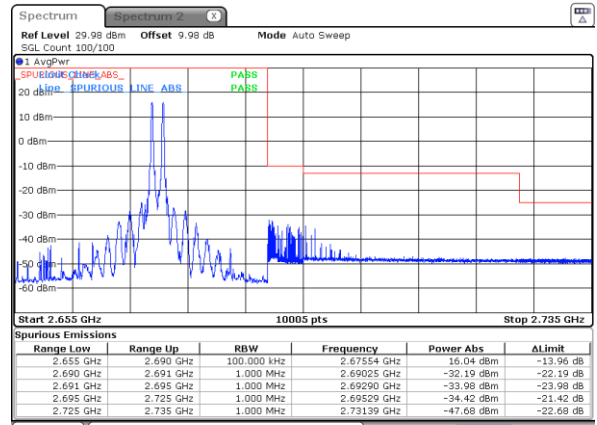
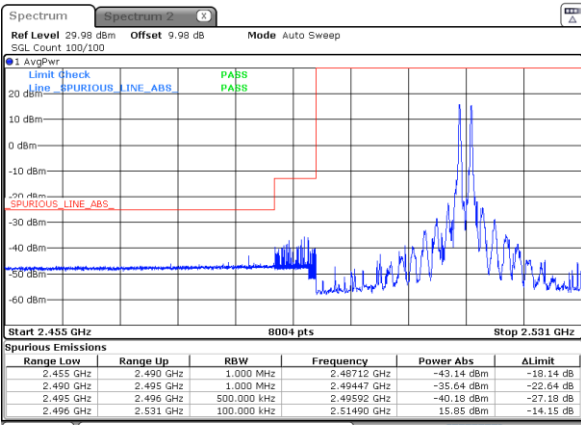


Date: 30, DEC, 2024 22:00:30

Date: 30, DEC, 2024 22:13:50

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

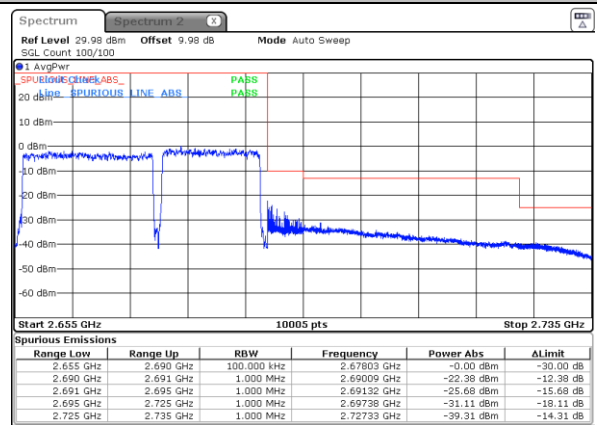
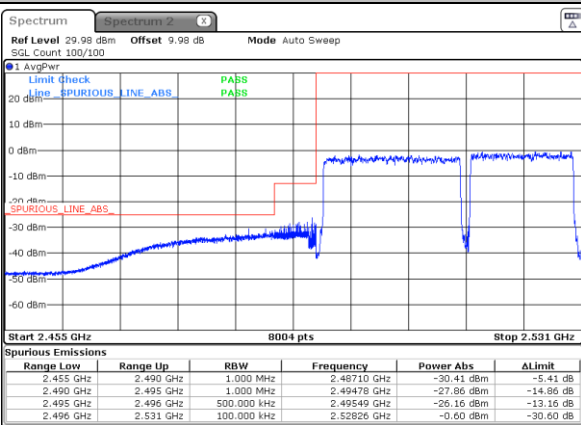


Date: 30, DEC, 2024 21:57:06

Date: 30, DEC, 2024 22:10:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, DEC, 2024 22:03:54

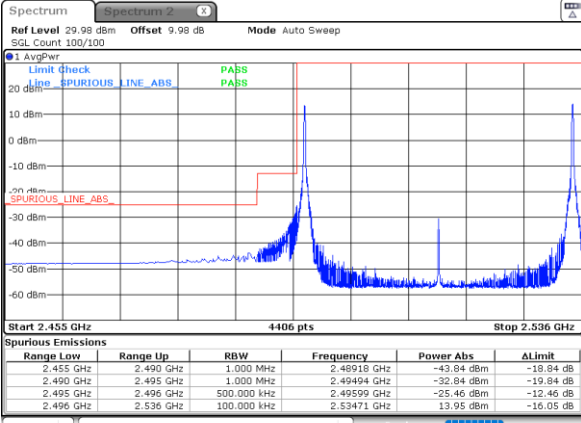
Date: 30, DEC, 2024 22:17:13



LTE Band 41C / 20MHz+20MHz

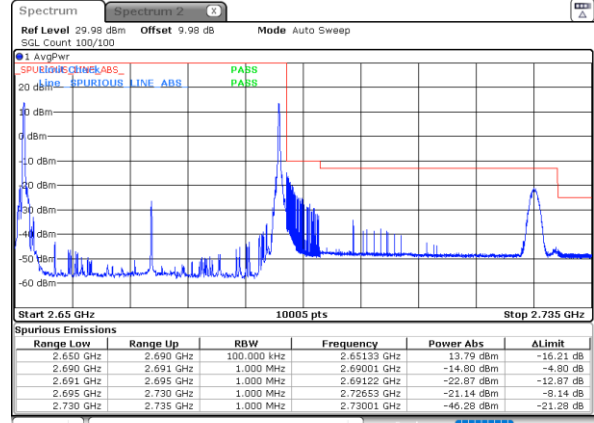
QPSK

Lowest Band Edge / 1RB0 and 1RB9



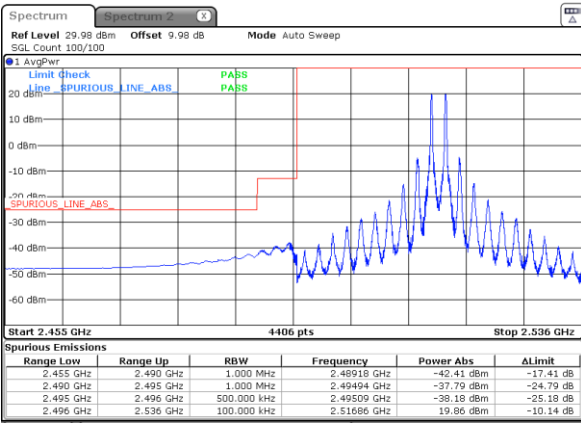
Date: 30, DEC, 2024 22:22:48

Highest Band Edge / 1RB0 and 1RB9



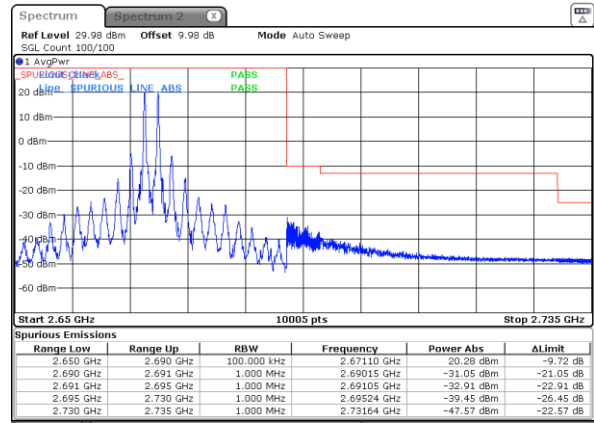
Date: 30, DEC, 2024 22:36:08

Lowest Band Edge / 1RB99 and 1RB0



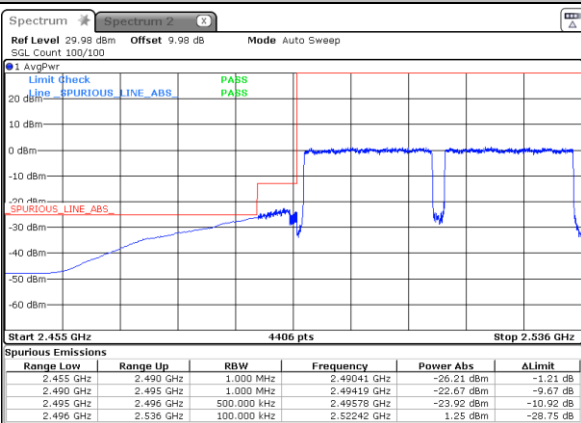
Date: 30, DEC, 2024 22:19:32

Highest Band Edge / 1RB99 and 1RB0



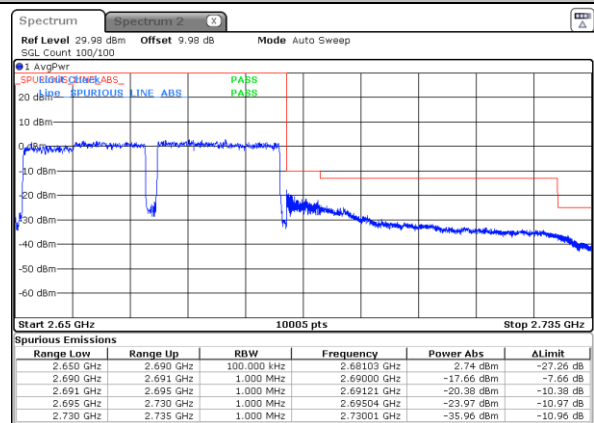
Date: 30, DEC, 2024 22:32:53

Lowest Band Edge / Full RB



Date: 30, DEC, 2024 23:04:29

Highest Band Edge / Full RB



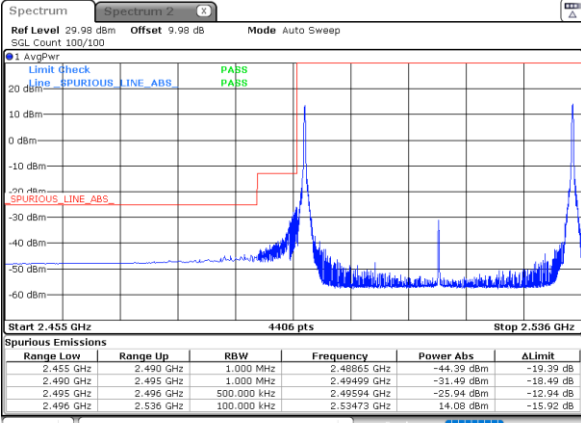
Date: 30, DEC, 2024 22:39:23



LTE Band 41C / 20MHz+20MHz

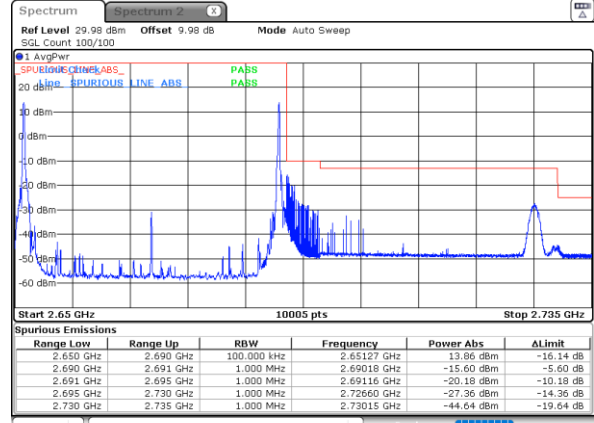
16QAM

Lowest Band Edge / 1RB0 and 1RB9



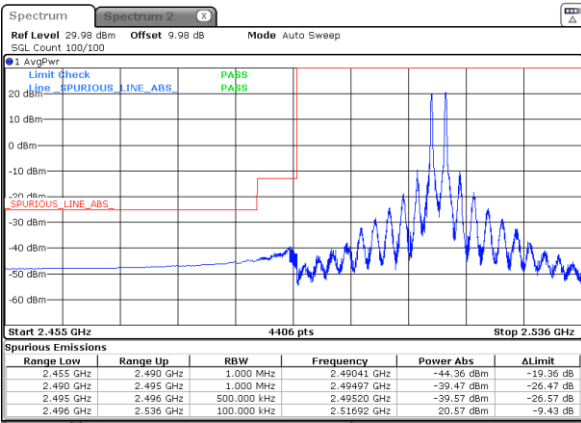
Date: 30, DEC, 2024 22:23:17

Highest Band Edge / 1RB0 and 1RB9



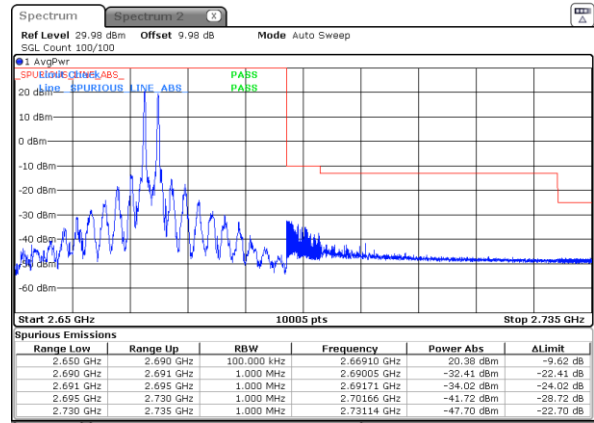
Date: 30, DEC, 2024 23:00:50

Lowest Band Edge / 1RB99 and 1RB0



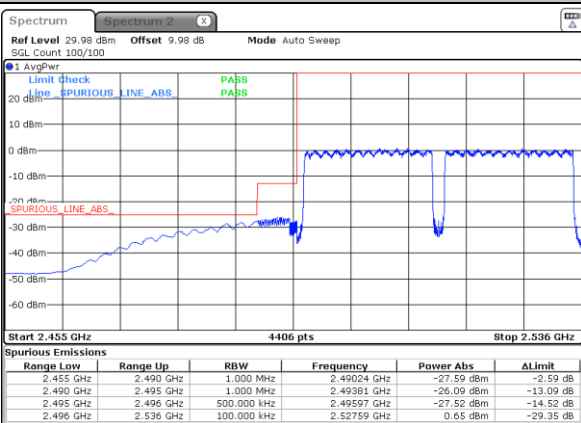
Date: 30, DEC, 2024 22:20:21

Highest Band Edge / 1RB99 and 1RB0



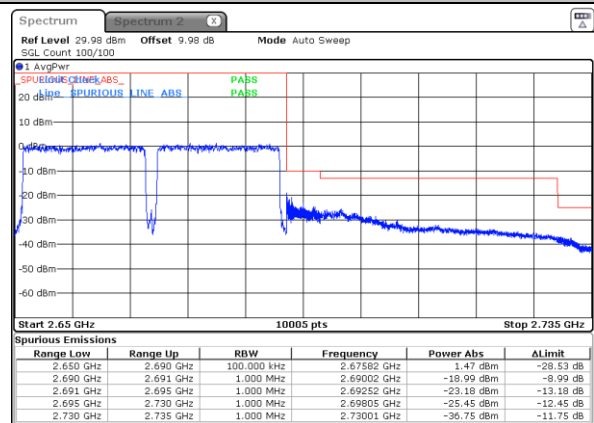
Date: 30, DEC, 2024 22:33:42

Lowest Band Edge / Full RB



Date: 30, DEC, 2024 22:26:53

Highest Band Edge / Full RB



Date: 30, DEC, 2024 22:40:12

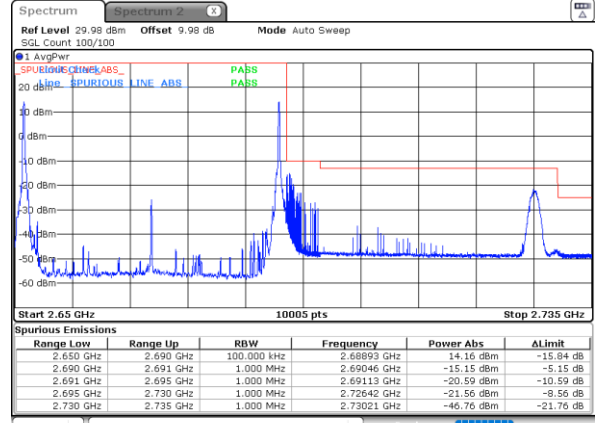
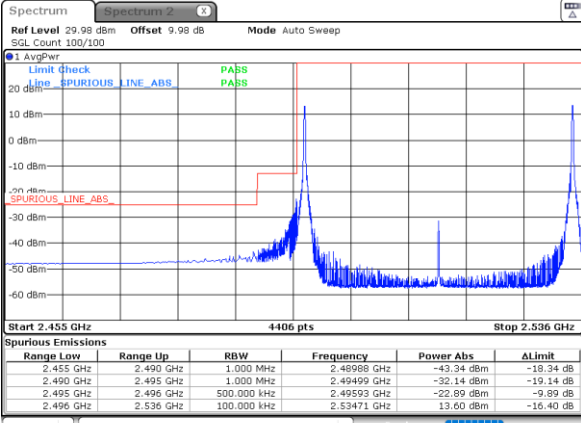


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

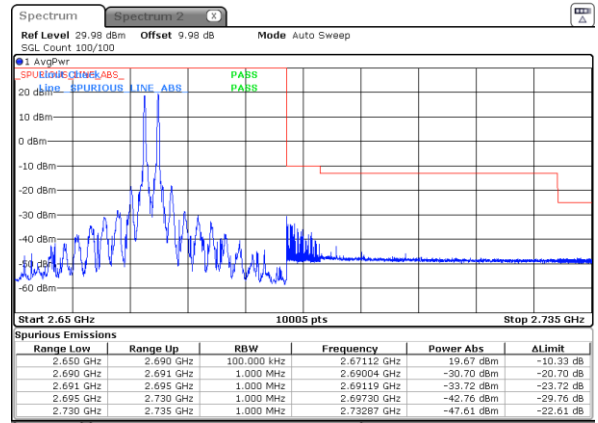
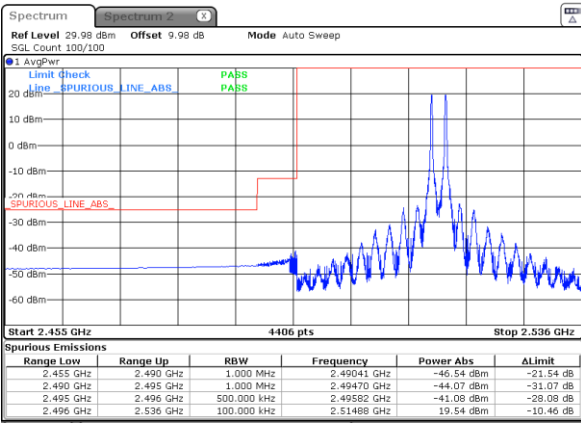


Date: 30, DEC, 2024 22:24:26

Date: 30, DEC, 2024 22:37:46

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

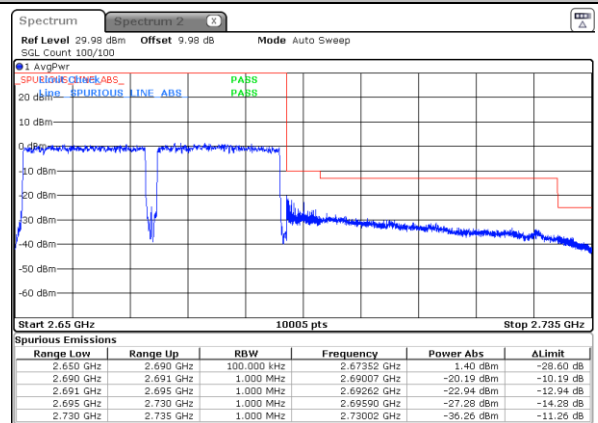
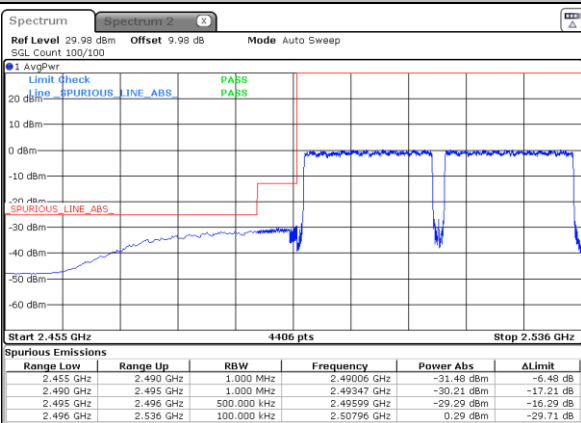


Date: 30, DEC, 2024 22:21:10

Date: 30, DEC, 2024 22:34:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, DEC, 2024 22:27:42

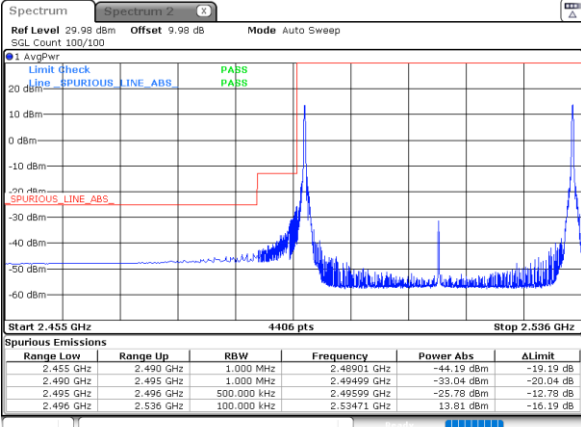
Date: 30, DEC, 2024 22:41:01



LTE Band 41C / 20MHz+20MHz

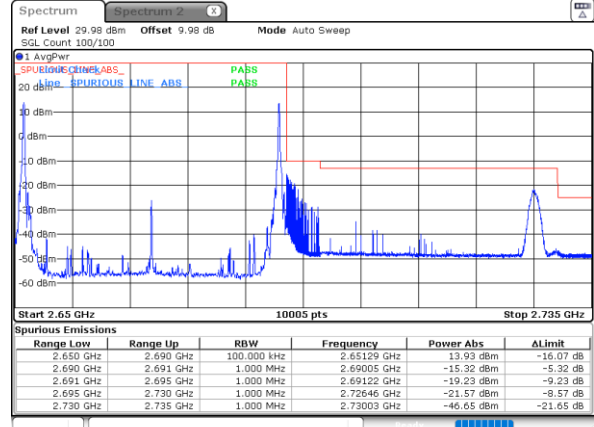
256QAM

Lowest Band Edge / 1RB0 and 1RB9



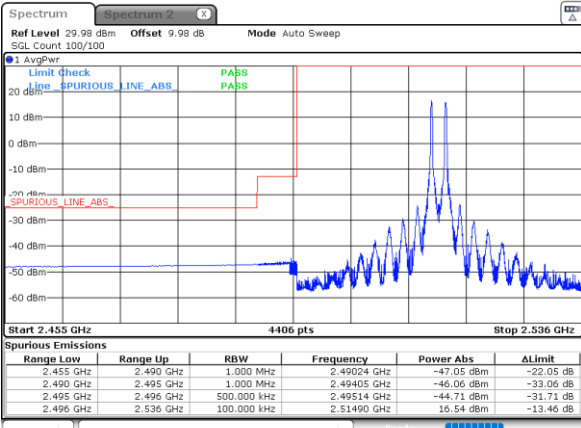
Date: 30, DEC, 2024 22:25:14

Highest Band Edge / 1RB0 and 1RB9



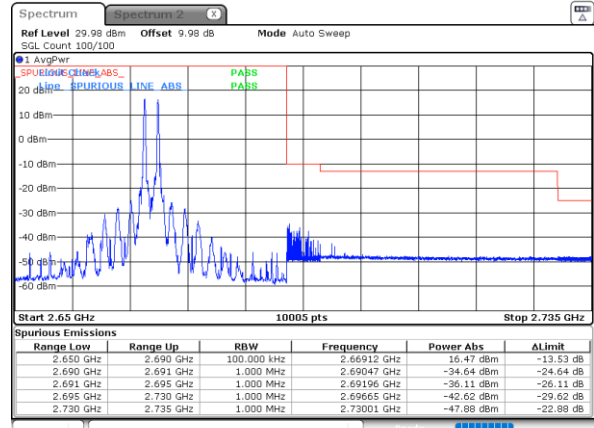
Date: 30, DEC, 2024 22:33:34

Lowest Band Edge / 1RB99 and 1RB0



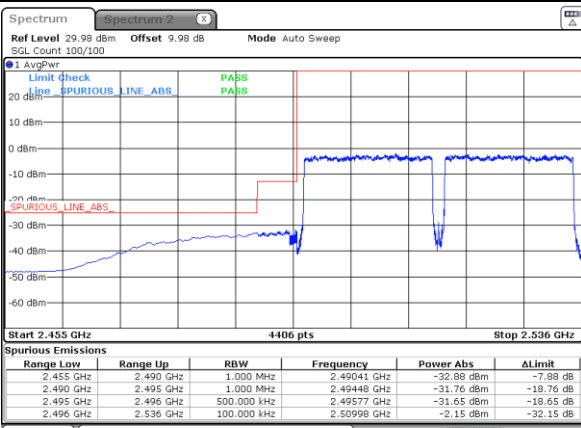
Date: 30, DEC, 2024 22:21:59

Highest Band Edge / 1RB99 and 1RB0



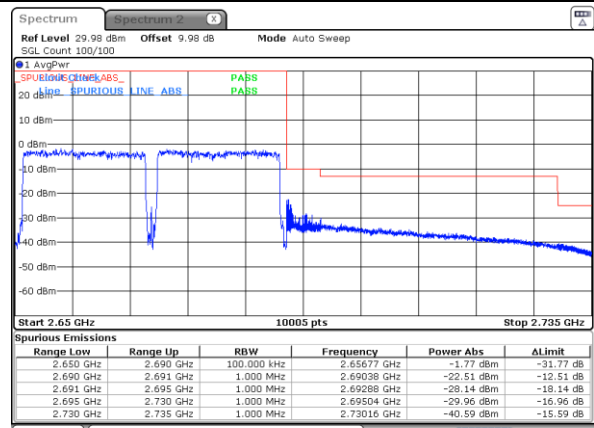
Date: 30, DEC, 2024 22:35:19

Lowest Band Edge / Full RB



Date: 30, DEC, 2024 22:28:30

Highest Band Edge / Full RB



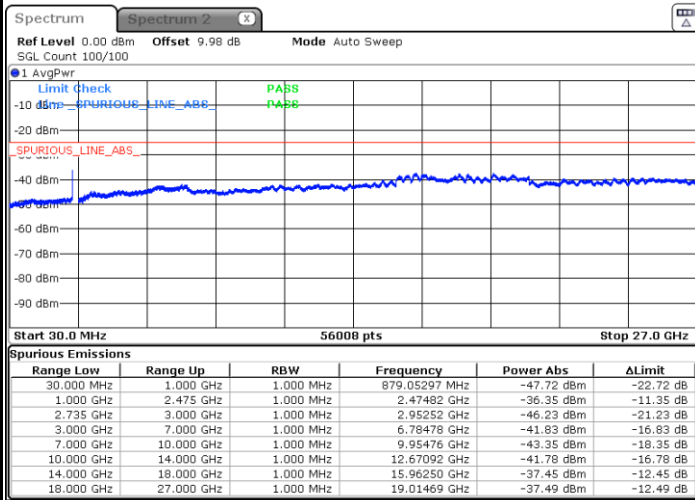
Date: 30, DEC, 2024 22:41:49



Conducted Spurious Emission

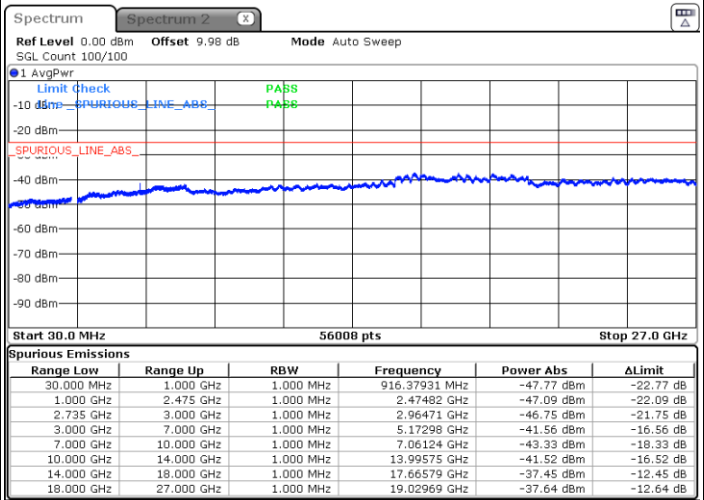
LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK



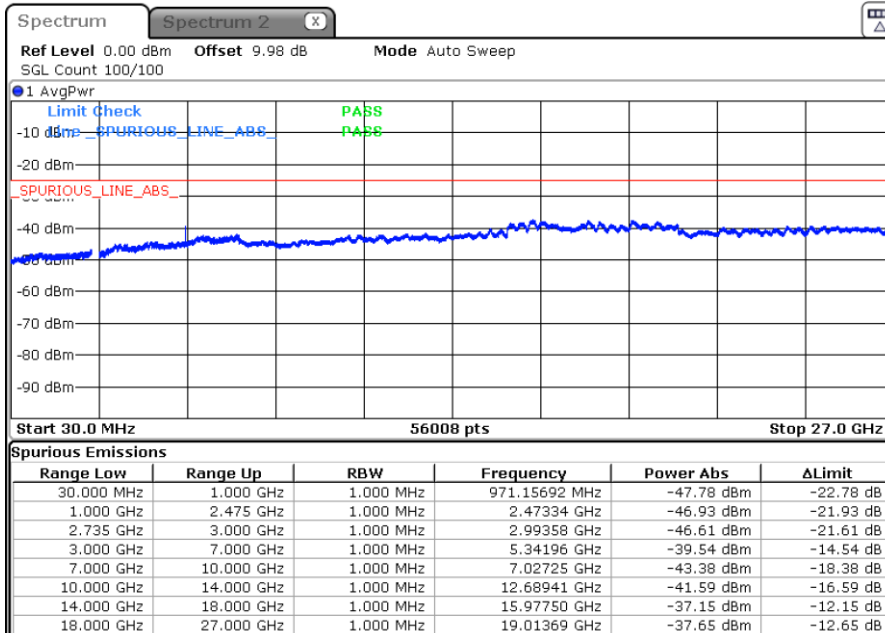
Date: 30.DEC.2024 18:20:38

Middle Channel / QPSK



Date: 30.DEC.2024 18:38:58

Highest Channel / QPSK



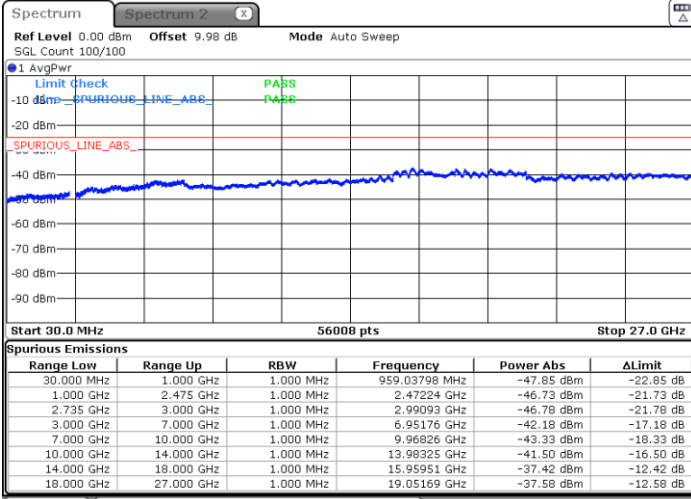
Date: 30.DEC.2024 18:40:34



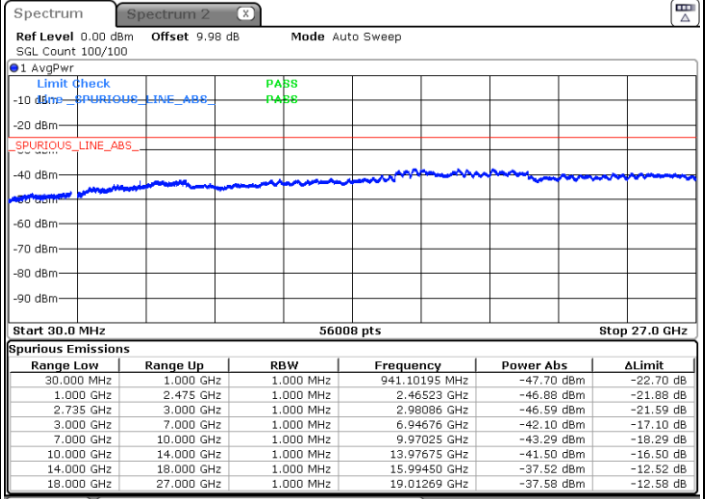
LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

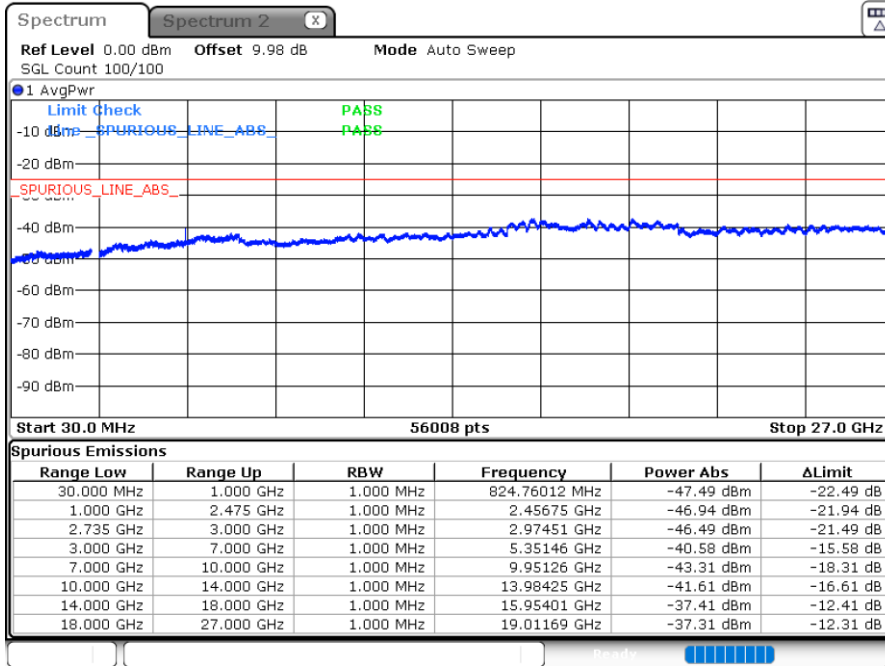


Date: 30.DEC.2024 18:56:22



Date: 30.DEC.2024 19:10:37

Highest Channel / QPSK



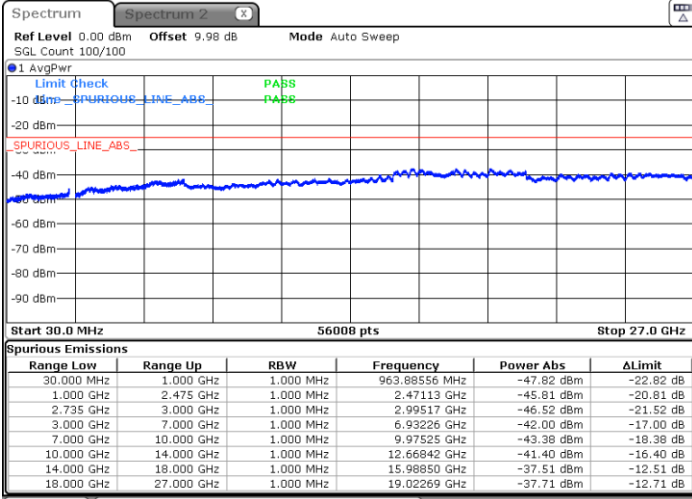
Date: 30.DEC.2024 19:12:17



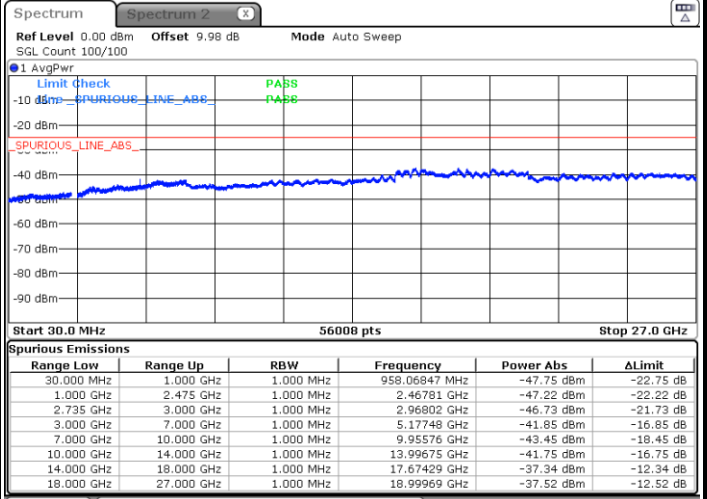
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

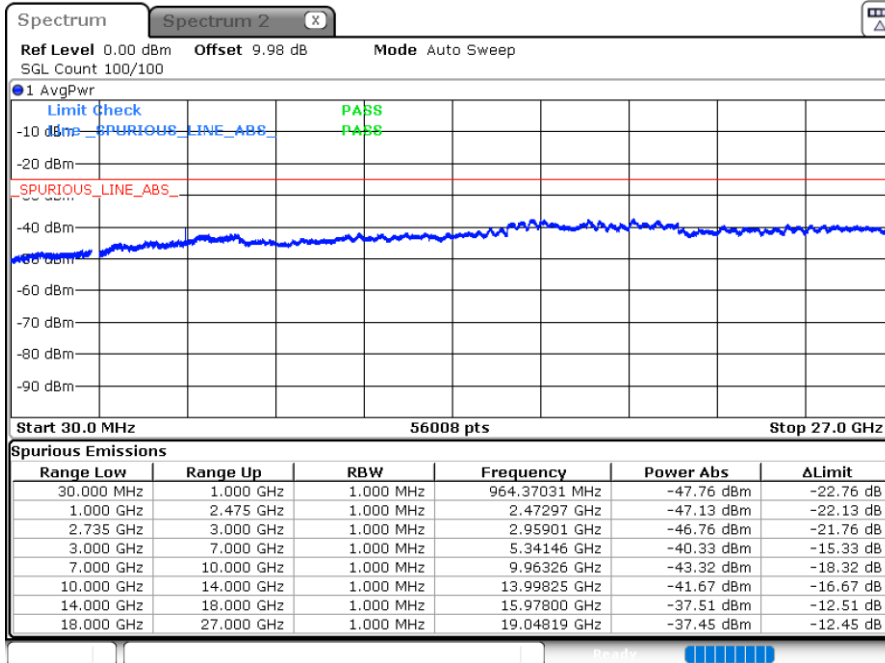


Date: 30.DEC.2024 19:24:01



Date: 30.DEC.2024 19:35:41

Highest Channel / QPSK



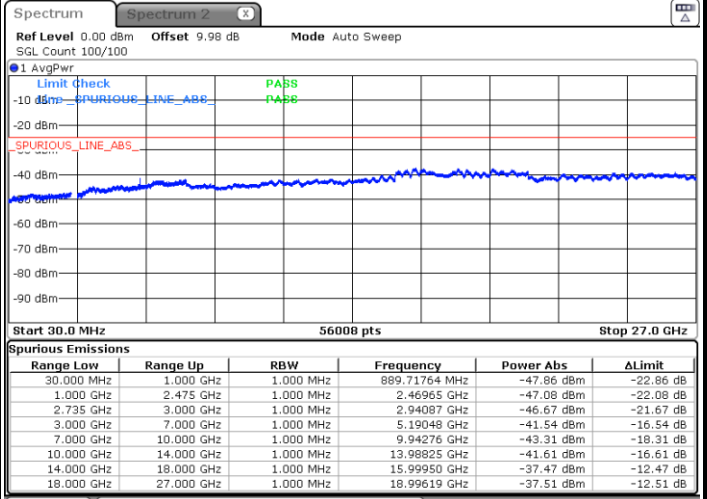
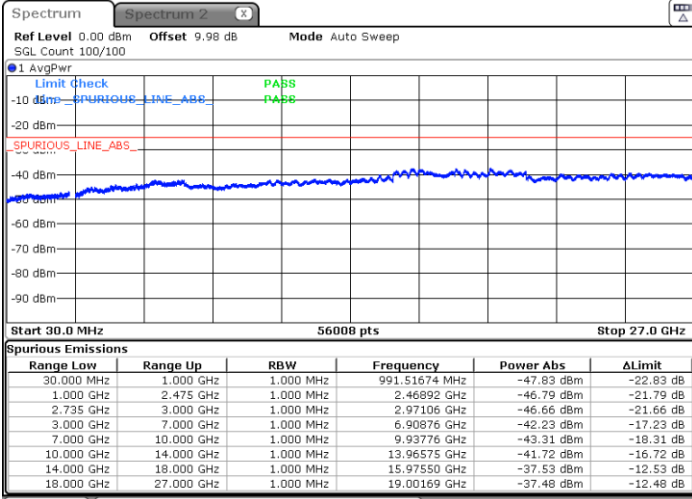
Date: 30.DEC.2024 19:37:18



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

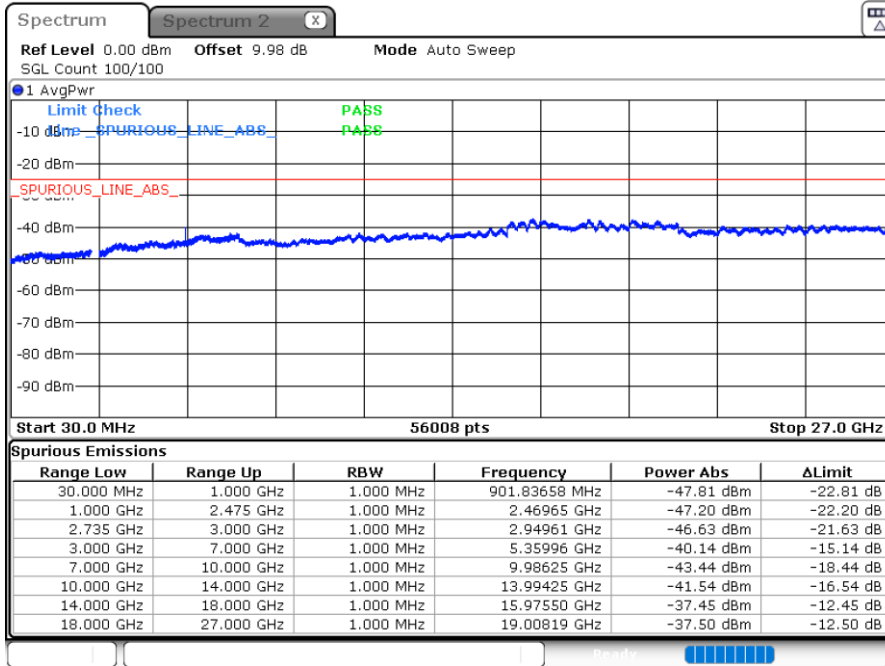
Middle Channel / QPSK



Date: 30.DEC.2024 19:49:05

Date: 30.DEC.2024 20:00:44

Highest Channel / QPSK



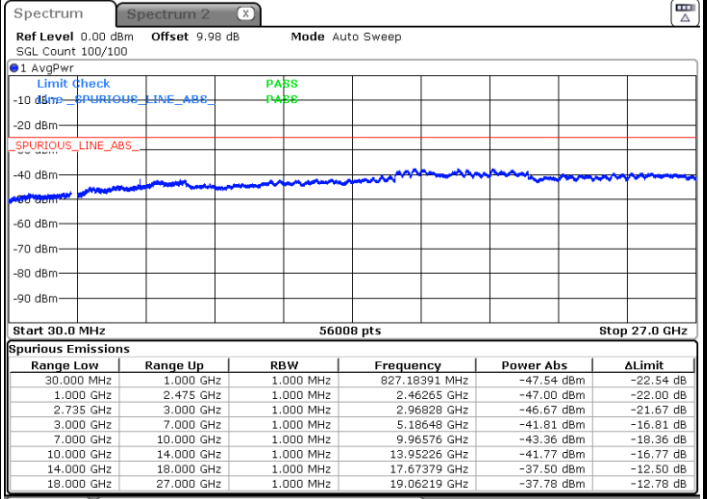
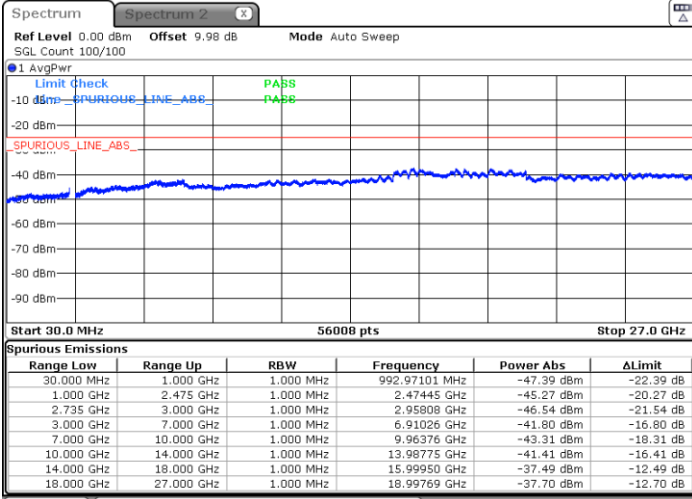
Date: 30.DEC.2024 20:02:21



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

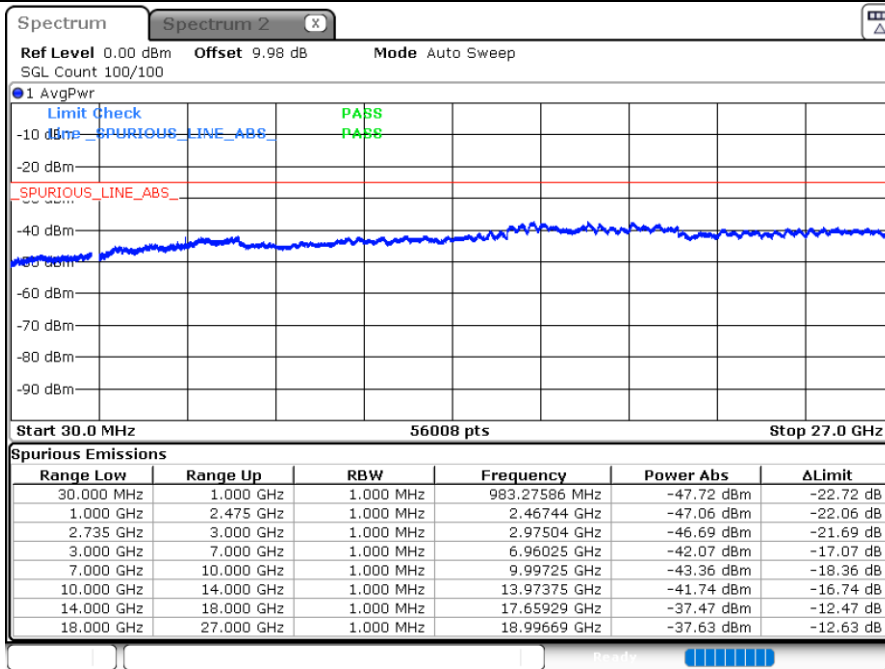
Middle Channel / QPSK



Date: 30.DEC.2024 20:13:57

Date: 30.DEC.2024 20:25:18

Highest Channel / QPSK



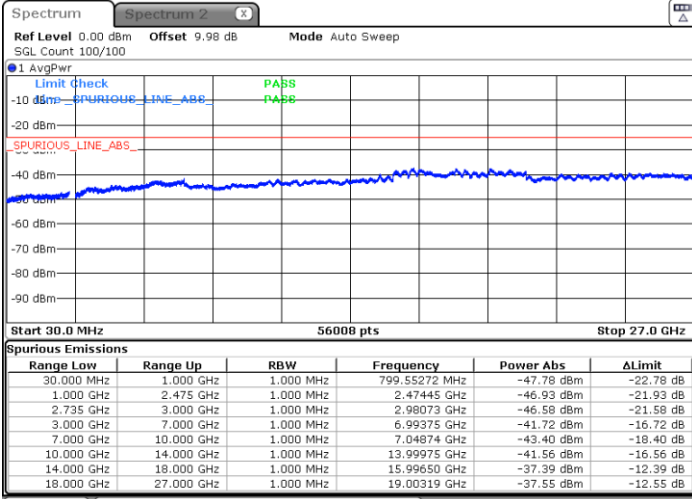
Date: 30.DEC.2024 20:26:59



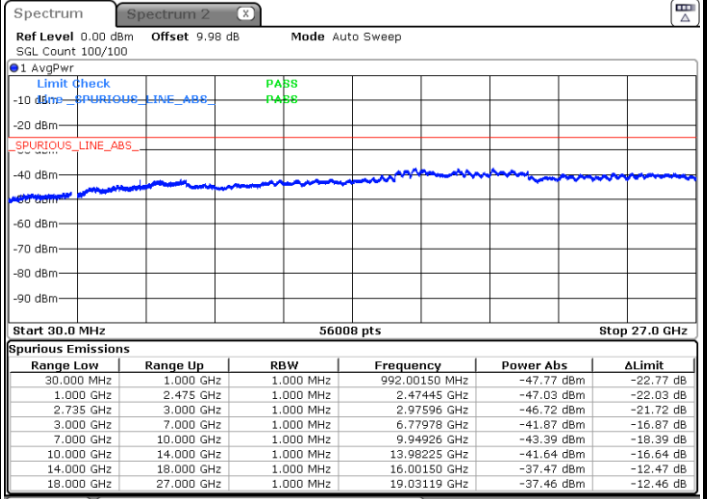
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

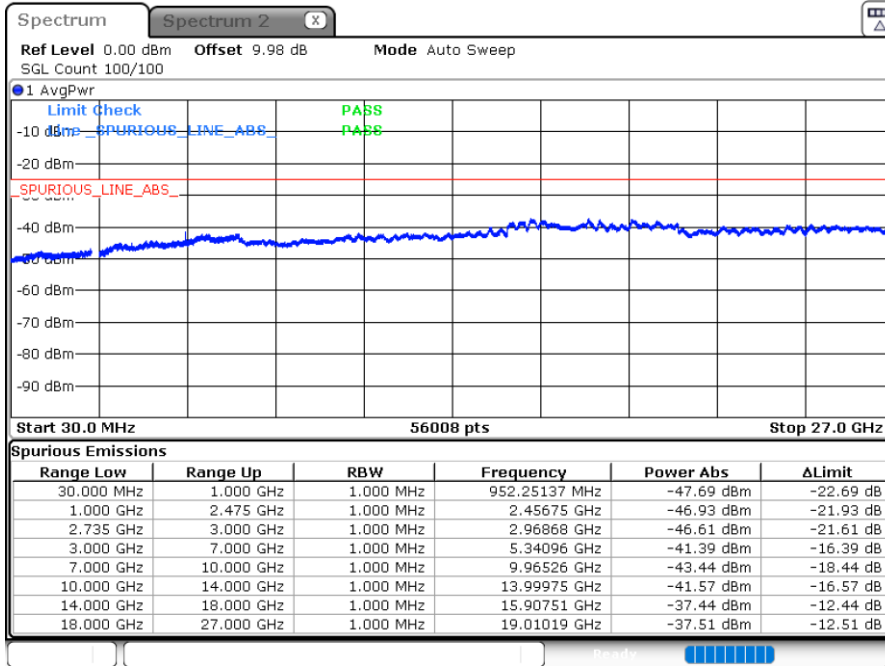


Date: 30.DEC.2024 20:38:26



Date: 30.DEC.2024 20:50:07

Highest Channel / QPSK



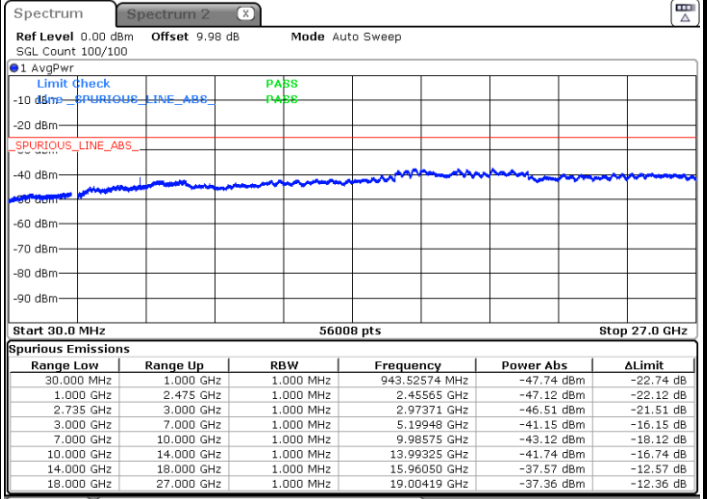
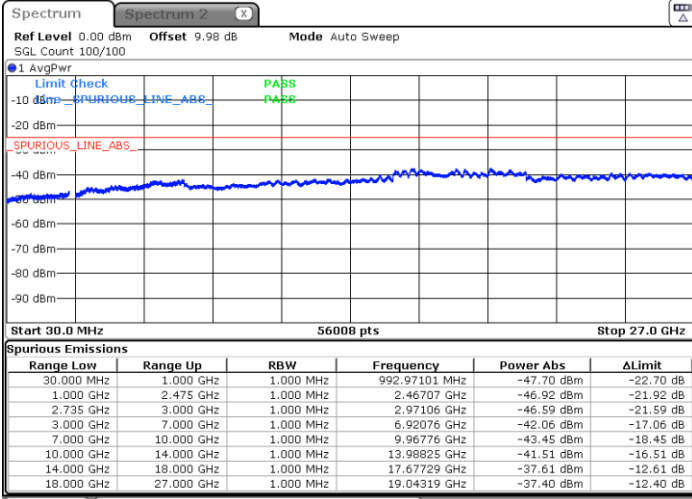
Date: 30.DEC.2024 20:51:44



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

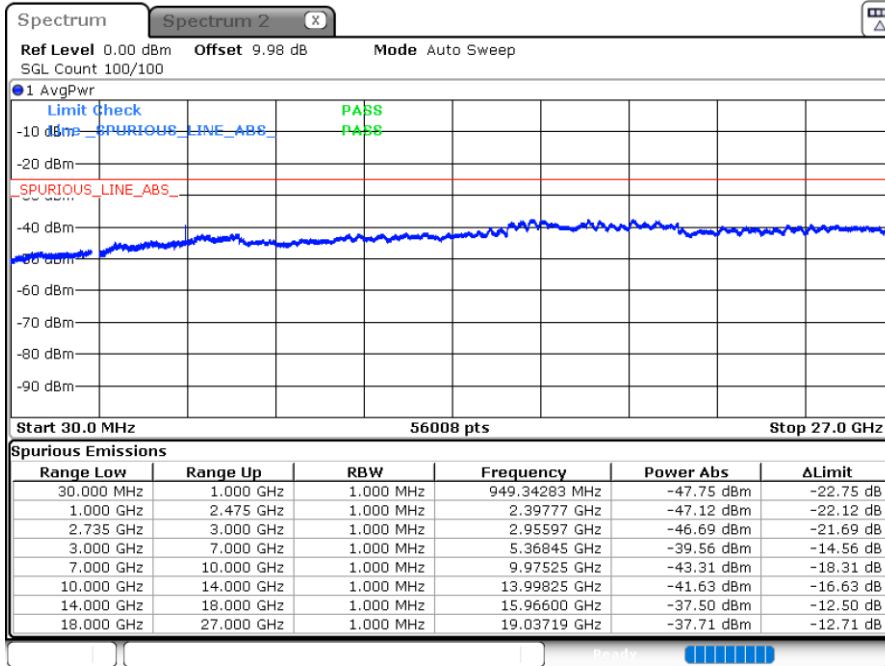
Middle Channel / QPSK



Date: 30.DEC.2024 21:03:43

Date: 30.DEC.2024 21:15:27

Highest Channel / QPSK



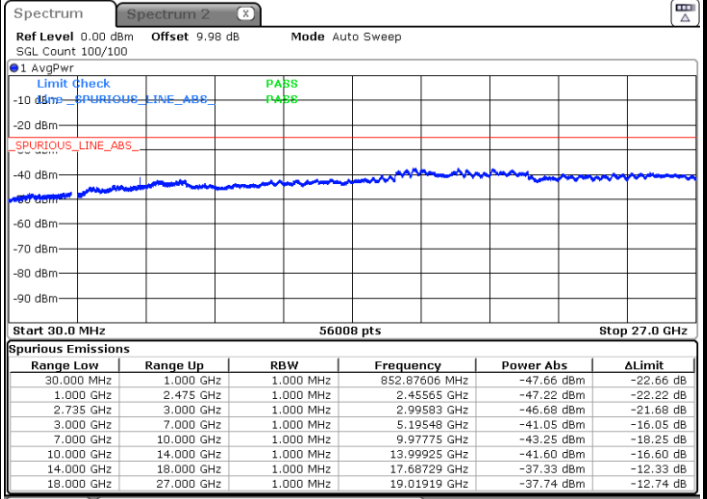
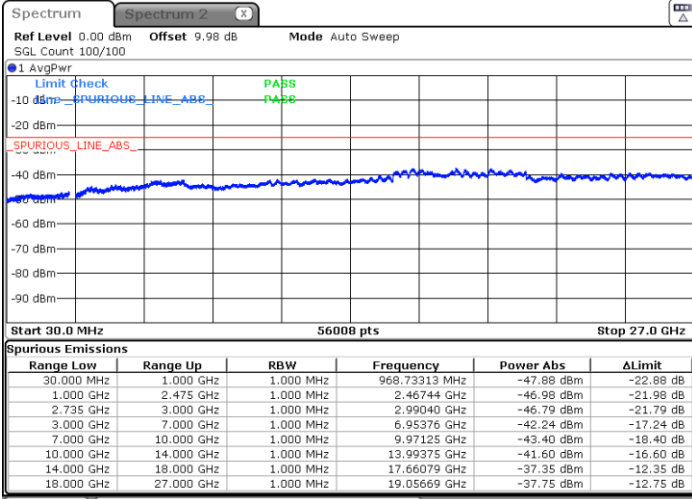
Date: 30.DEC.2024 21:17:04



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

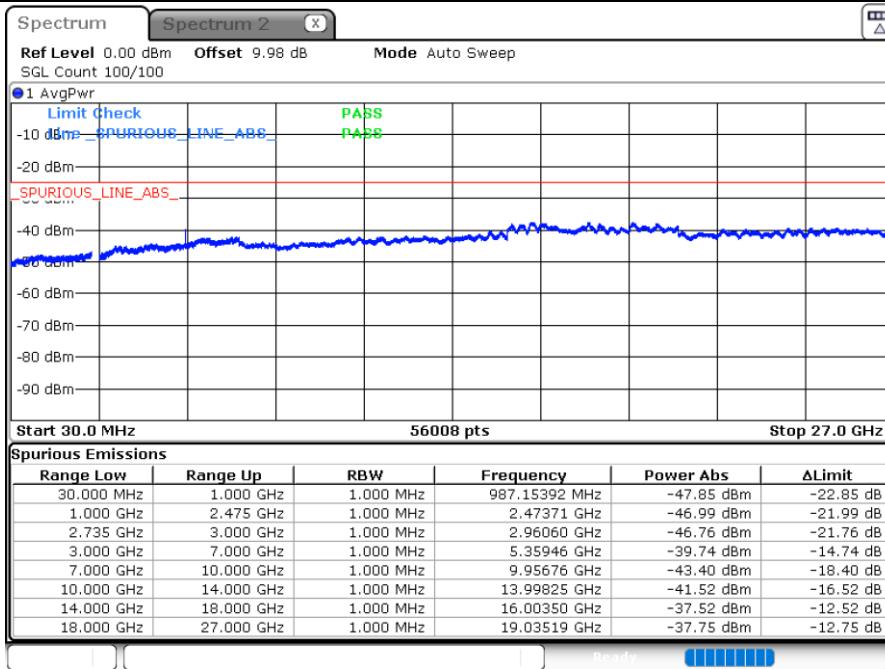
Middle Channel / QPSK



Date: 30.DEC.2024 21:28:44

Date: 30.DEC.2024 21:40:27

Highest Channel / QPSK



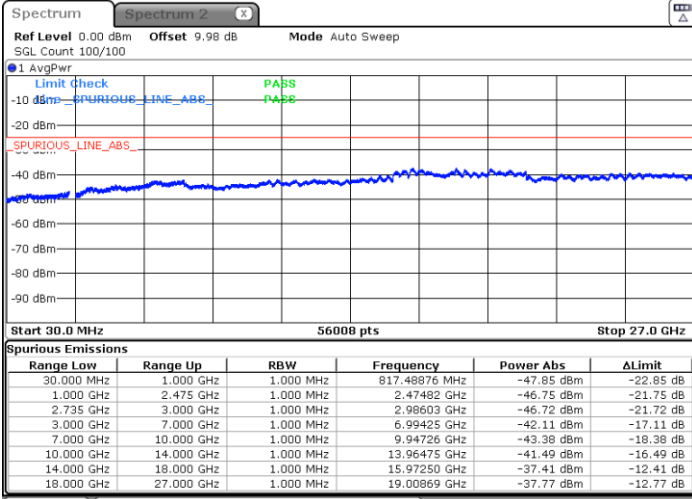
Date: 30.DEC.2024 21:42:03



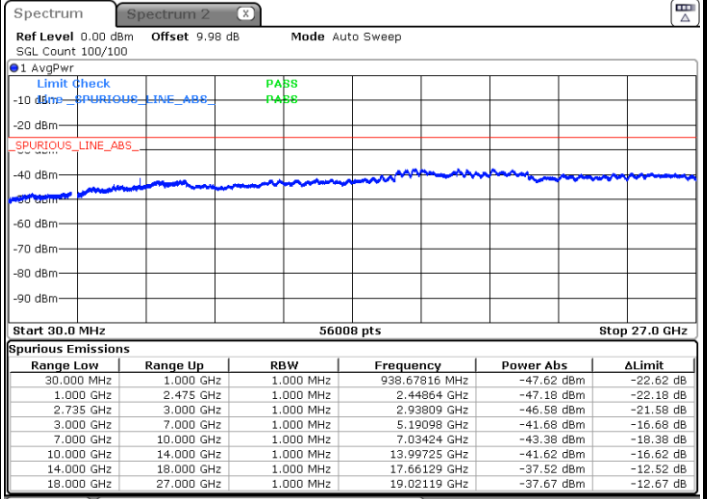
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

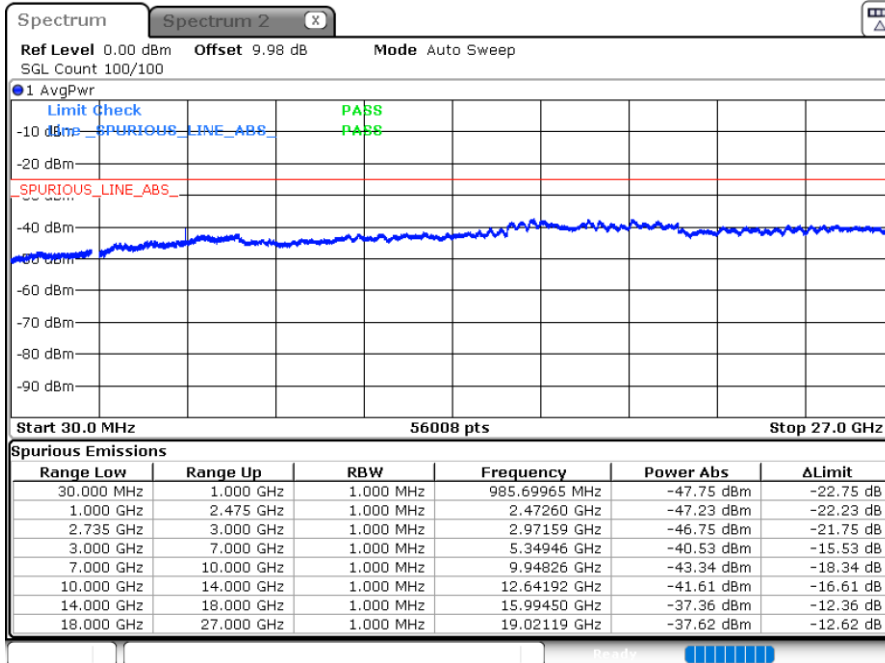


Date: 30.DEC.2024 21:53:42



Date: 30.DEC.2024 22:05:28

Highest Channel / QPSK



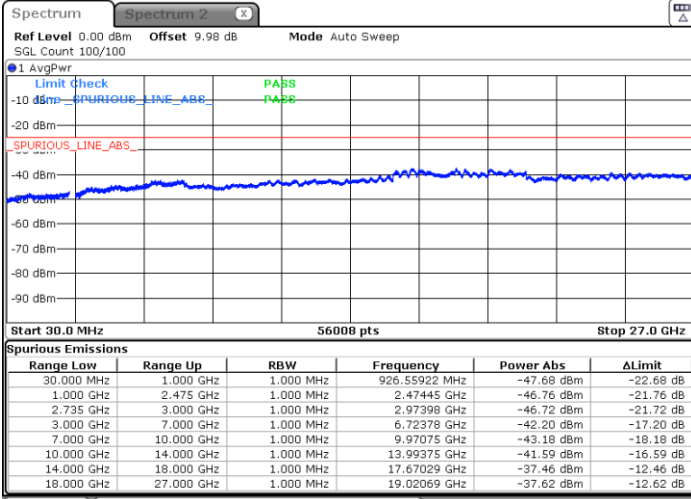
Date: 30.DEC.2024 22:07:04



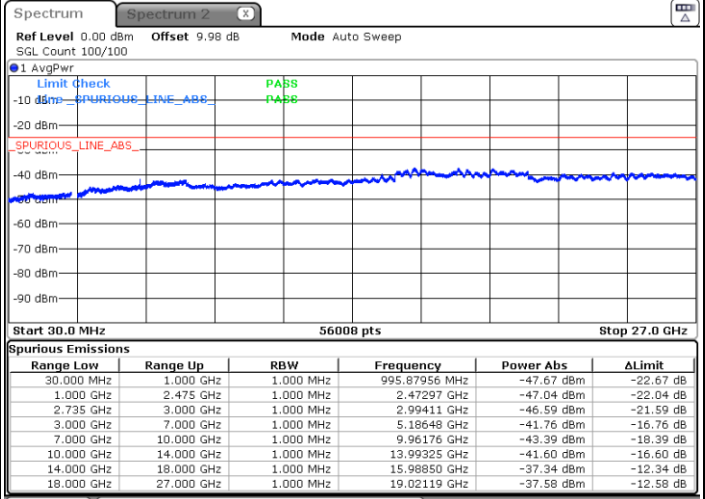
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

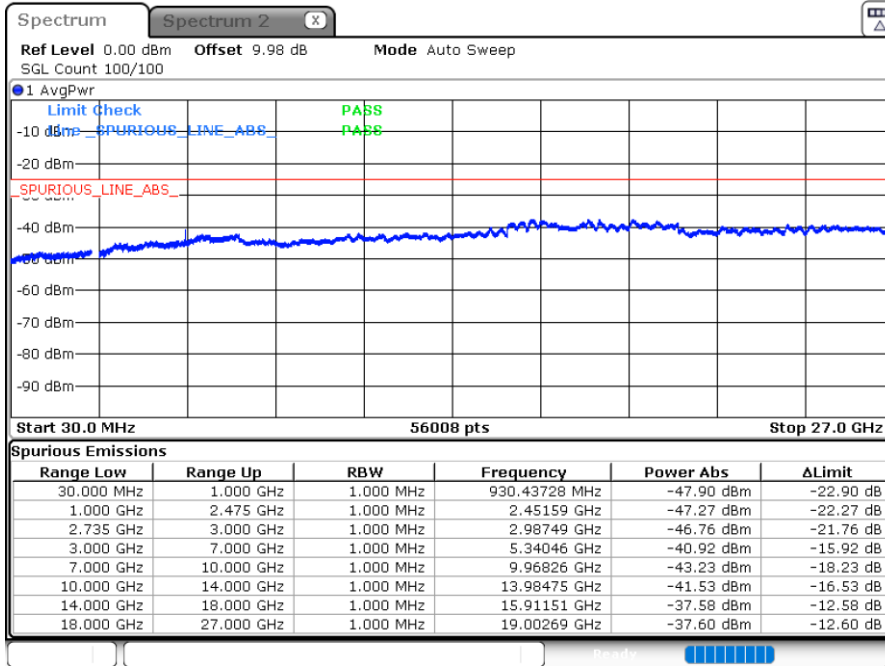


Date: 30.DEC.2024 22:18:43



Date: 30.DEC.2024 22:30:17

Highest Channel / QPSK



Date: 30.DEC.2024 22:32:04



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	0.0012	PASS
40	Normal Voltage	0.0057	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0075	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0043	

Note:

1. Normal Voltage =3.86 V.; Battery End Point (BEP) =3.5 V.; Maximum Voltage =4.53 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 :	Chris	Temperature :	21~25°C
		Relative Humidity :	51~53%

LTE Band 7 / 20MHz / QPSK open status								
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	5055	-55.57	-25	-30.57	-65.78	3.03	13.24	H
	7575	-38.80	-25	-13.80	-48.25	3.56	13.01	H
	10110	-49.98	-25	-24.98	-59.50	3.92	13.44	H
	5055	-49.33	-25	-24.33	-59.54	3.03	13.24	V
	7575	-35.46	-25	-10.46	-44.91	3.56	13.01	V
	10110	-50.20	-25	-25.20	-59.72	3.92	13.44	V

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

LTE CA_7C / 20MHz +20MHz / PCC+SCC QPSK open status								
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	5036	-59.55	-25	-34.55	-69.76	3.03	13.24	H
	7542	-54.07	-25	-29.07	-63.52	3.56	13.01	H
	10062	-48.69	-25	-23.69	-58.21	3.92	13.44	H
	5036	-59.28	-25	-34.28	-69.49	3.03	13.24	V
	7542	-54.19	-25	-29.19	-63.64	3.56	13.01	V
	10062	-48.97	-25	-23.97	-58.49	3.92	13.44	V
	5064	-59.20	-25	-34.20	-69.41	3.03	13.24	H
	7612	-53.68	-25	-28.68	-63.13	3.56	13.01	H
	10146	-49.11	-25	-24.11	-58.63	3.92	13.44	H
	5064	-59.29	-25	-34.29	-69.50	3.03	13.24	V
	7612	-53.90	-25	-28.90	-63.35	3.56	13.01	V
	10146	-49.30	-25	-24.30	-58.82	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK open status								
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	5160	-56.35	-25	-31.35	-66.56	3.03	13.24	H
	7755	-52.80	-25	-27.80	-62.25	3.56	13.01	H
	10335	-48.70	-25	-23.70	-58.22	3.92	13.44	H
	5160	-52.76	-25	-27.76	-62.97	3.03	13.24	V
	7755	-48.89	-25	-23.89	-58.34	3.56	13.01	V
	10335	-48.49	-25	-23.49	-58.01	3.92	13.44	V

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

LTE Band 41 (Other PA) / 20MHz / QPSK open status								
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	5160	-50.01	-25	-25.01	-60.22	3.03	13.24	H
	7755	-45.23	-25	-20.23	-54.68	3.56	13.01	H
	10335	-48.78	-25	-23.78	-58.30	3.92	13.44	H
	5160	-55.48	-25	-30.48	-65.69	3.03	13.24	V
	7755	-45.65	-25	-20.65	-55.10	3.56	13.01	V
	10335	-49.16	-25	-24.16	-58.68	3.92	13.44	V

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

LTE CA_41C/ 20MHz +20 MHz / PCC+SCC QPSK open status								
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	-58.47	-25	-33.47	-68.68	3.03	13.24	H
	7724	-53.70	-25	-28.70	-63.15	3.56	13.01	H
	10300	-48.56	-25	-23.56	-58.08	3.92	13.44	H
	5148	-58.91	-25	-33.91	-69.12	3.03	13.24	V
	7724	-53.74	-25	-28.74	-63.19	3.56	13.01	V
	10300	-48.50	-25	-23.50	-58.02	3.92	13.44	V
	5190	-57.69	-25	-32.69	-67.90	3.03	13.24	H
	7780	-53.14	-25	-28.14	-62.59	3.56	13.01	H
	10370	-48.55	-25	-23.55	-58.07	3.92	13.44	H
	5190	-57.40	-25	-32.40	-67.61	3.03	13.24	V
	7780	-52.95	-25	-27.95	-62.40	3.56	13.01	V
	10370	-48.93	-25	-23.93	-58.45	3.92	13.44	V

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