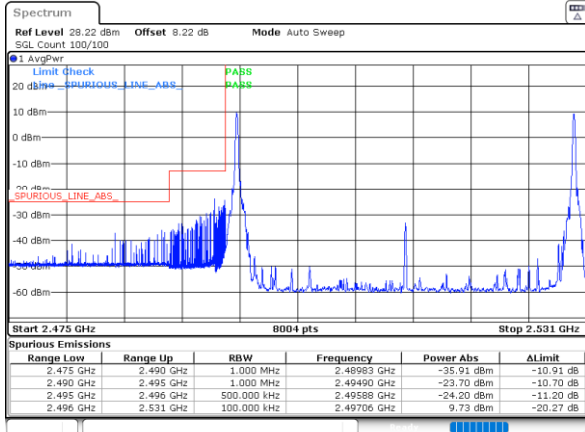




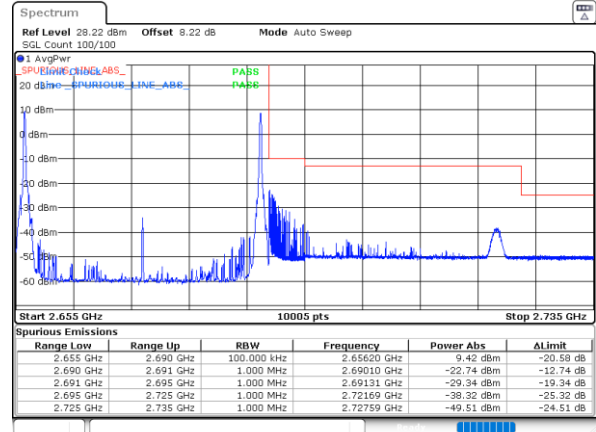
LTE Band 41C / 20MHz+15MHz

16QAM

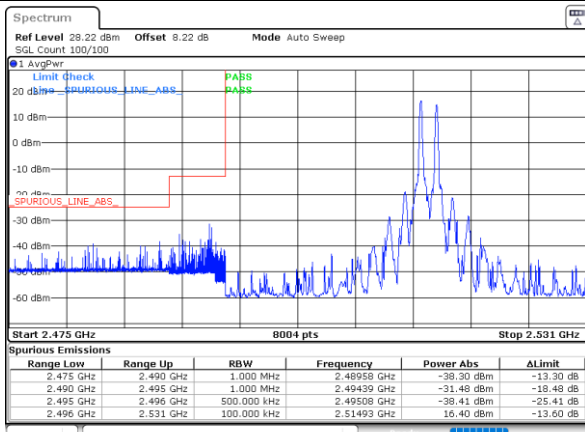
Lowest Band Edge / 1RB0 and 1RB74



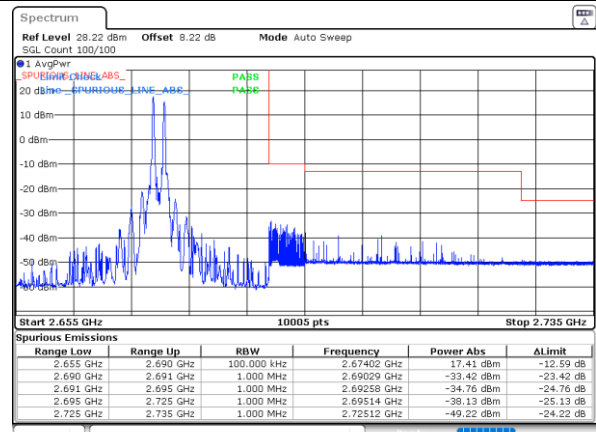
Highest Band Edge / 1RB0 and 1RB74



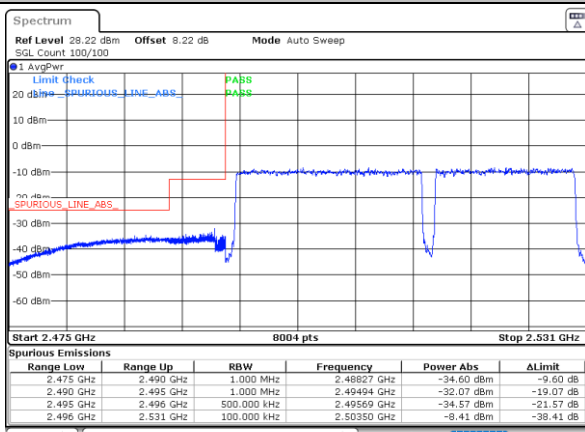
Lowest Band Edge / 1RB99 and 1RB0



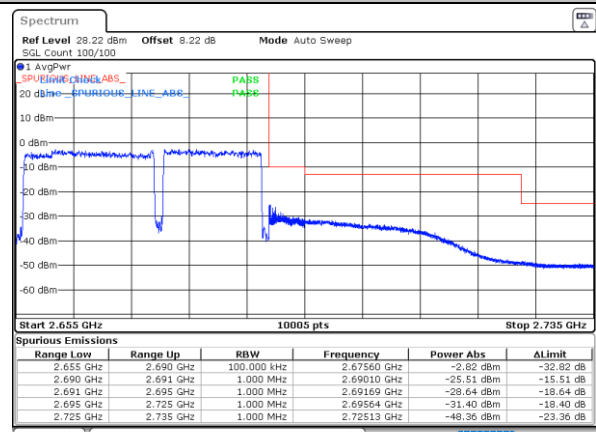
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

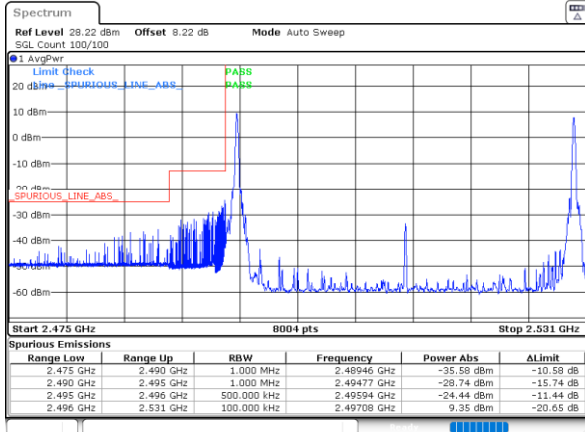




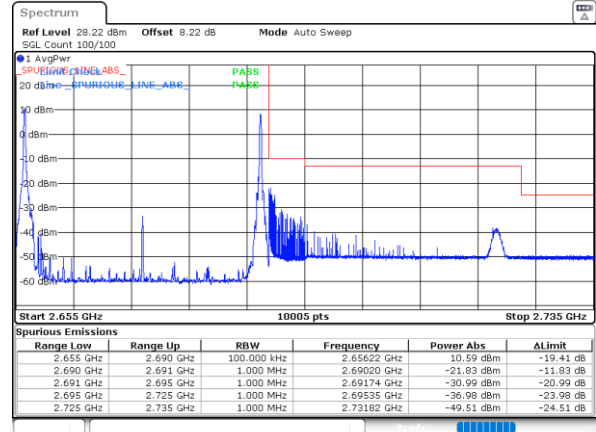
LTE Band 41C / 20MHz+15MHz

64QAM

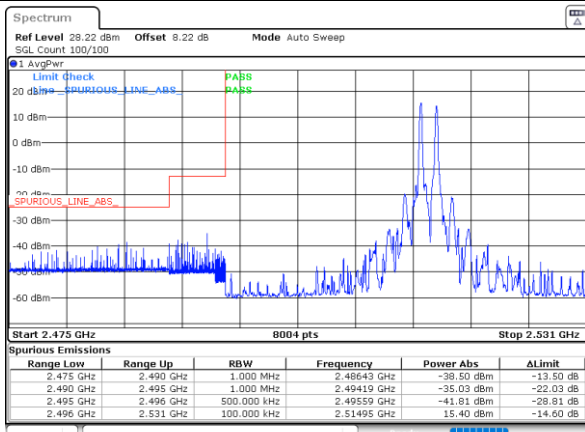
Lowest Band Edge / 1RB0 and 1RB74



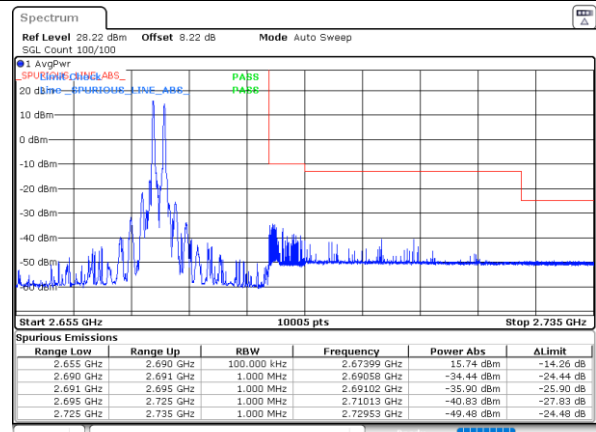
Highest Band Edge / 1RB0 and 1RB74



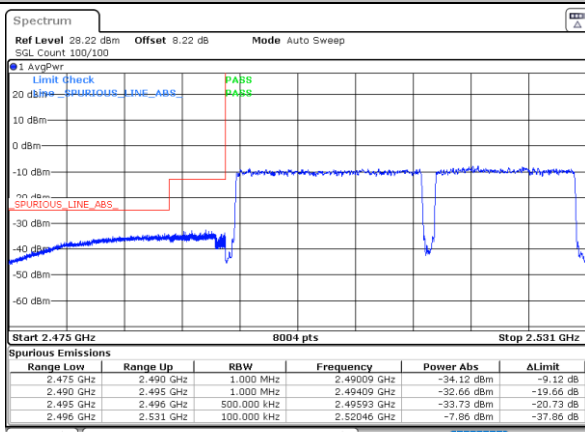
Lowest Band Edge / 1RB99 and 1RB0



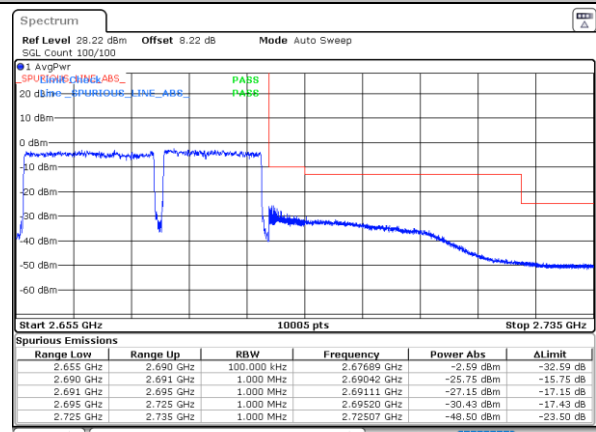
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

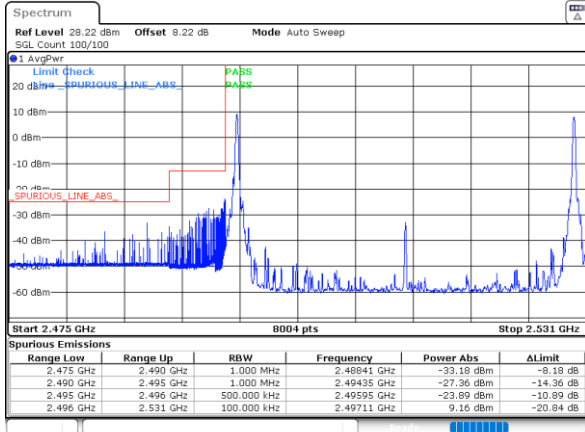




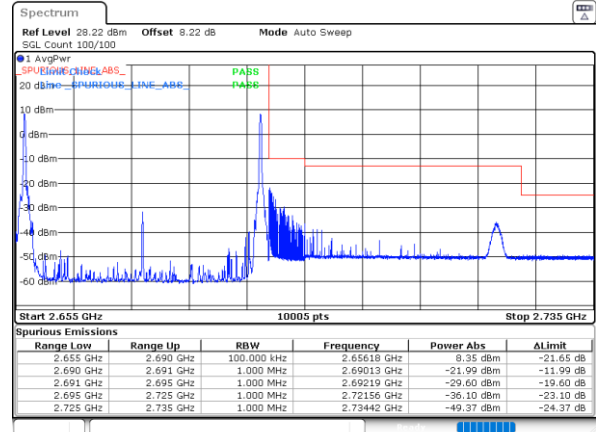
LTE Band 41C / 20MHz+15MHz

256QAM

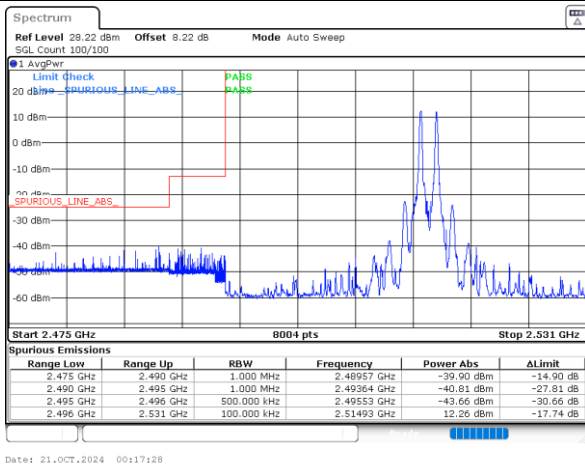
Lowest Band Edge / 1RB0 and 1RB74



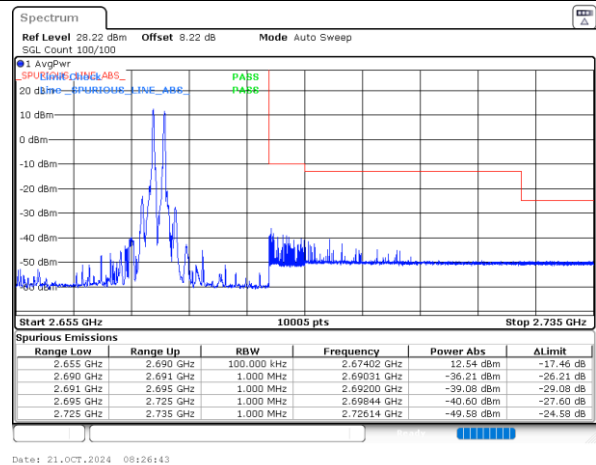
Highest Band Edge / 1RB0 and 1RB74



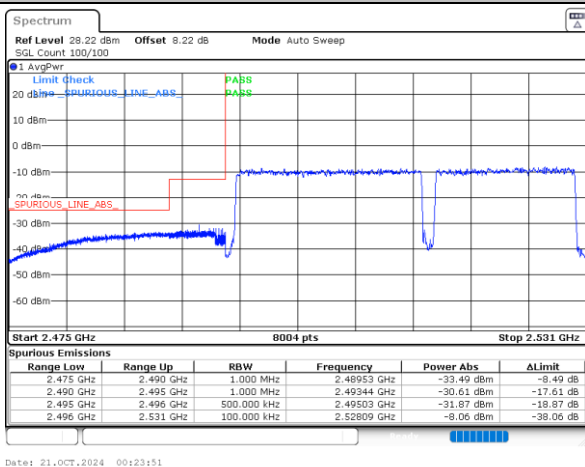
Lowest Band Edge / 1RB99 and 1RB0



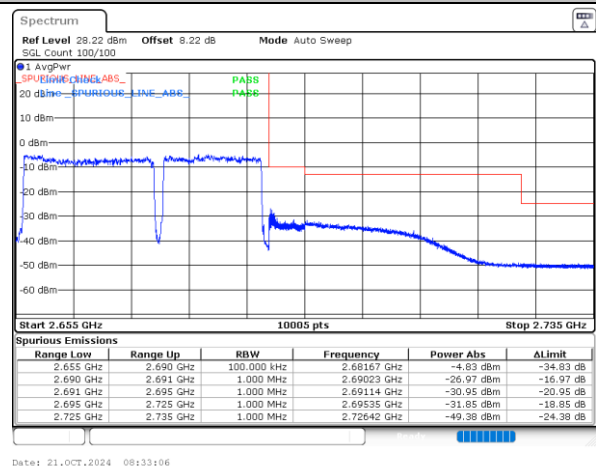
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

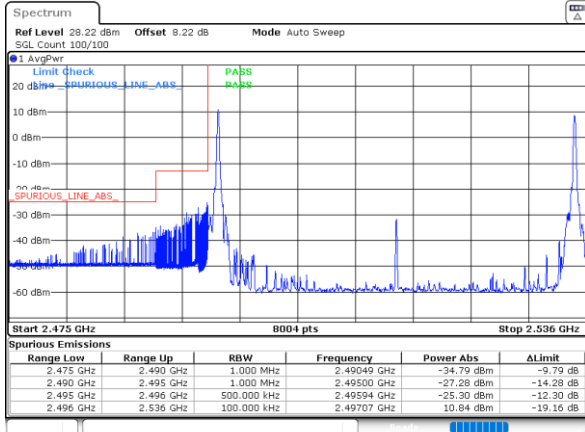




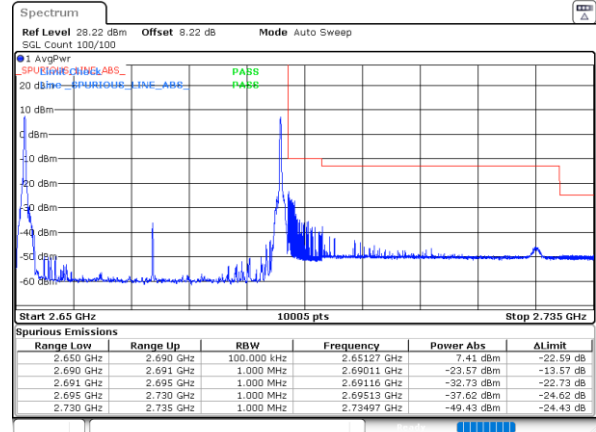
LTE Band 41C / 20MHz+20MHz

QPSK

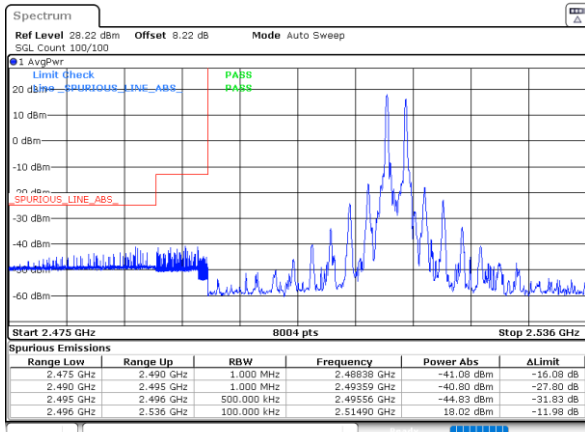
Lowest Band Edge / 1RB0 and 1RB99



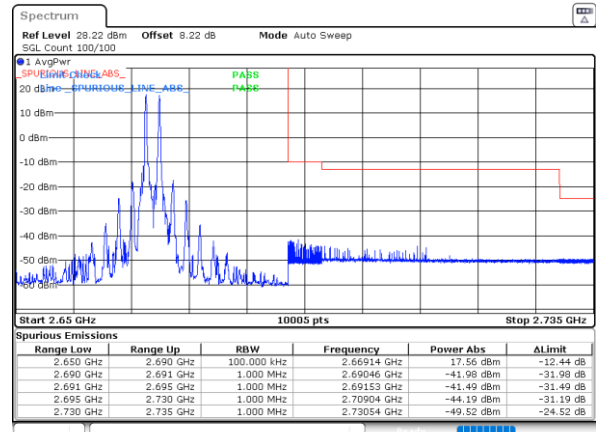
Highest Band Edge / 1RB0 and 1RB99



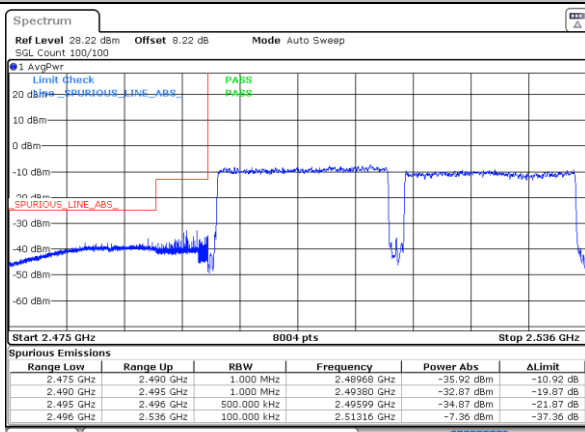
Lowest Band Edge / 1RB99 and 1RB0



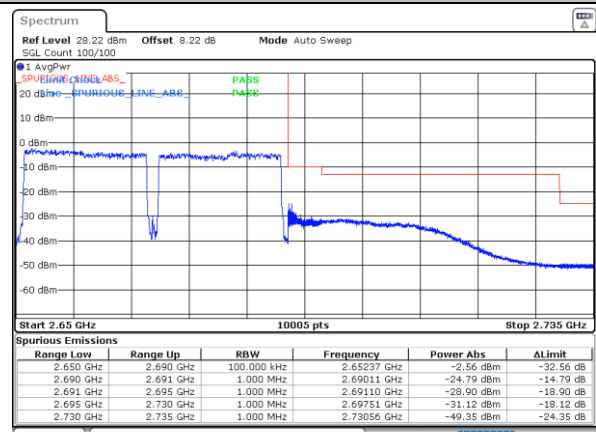
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

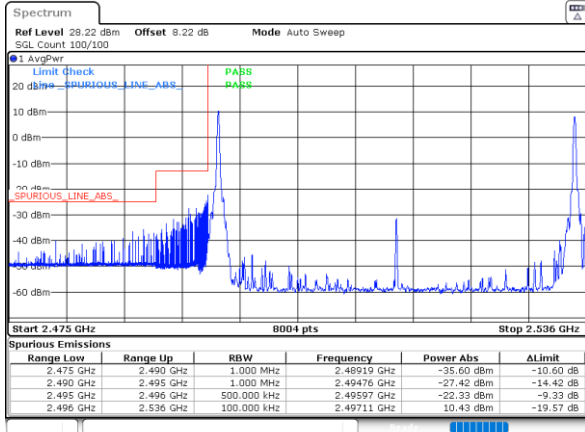




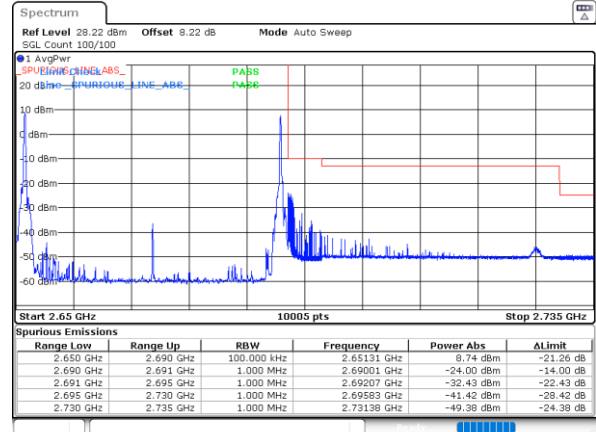
LTE Band 41C / 20MHz+20MHz

16QAM

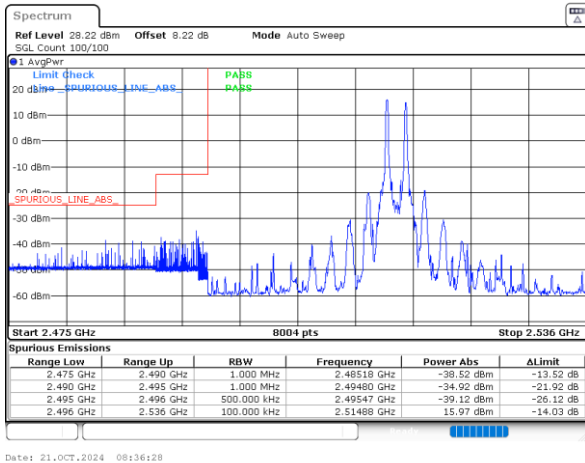
Lowest Band Edge / 1RB0 and 1RB99



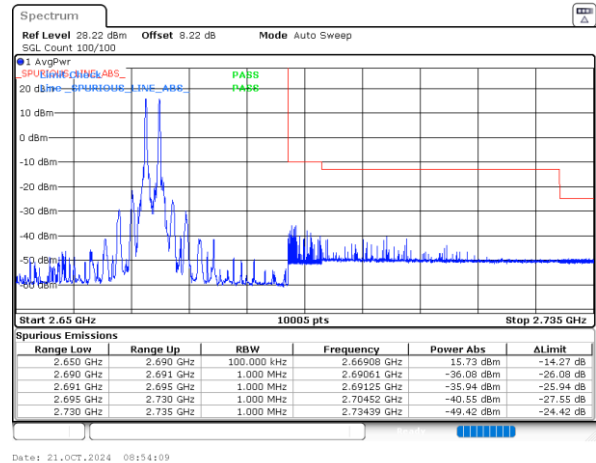
Highest Band Edge / 1RB0 and 1RB99



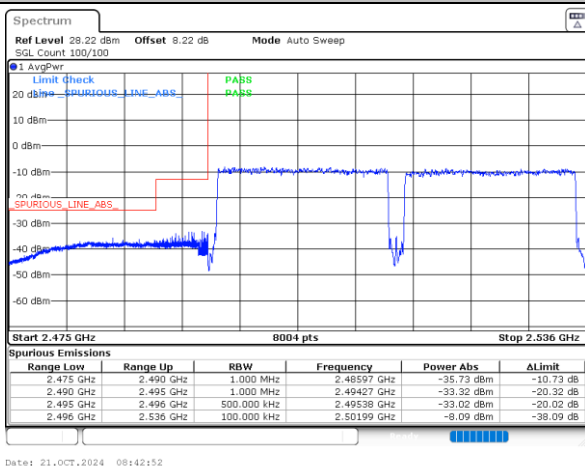
Lowest Band Edge / 1RB99 and 1RB0



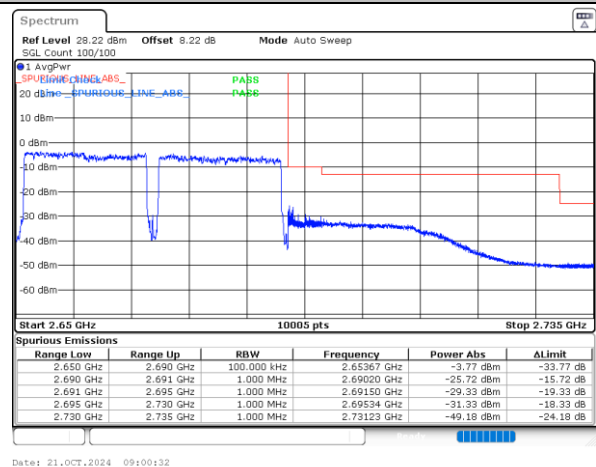
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

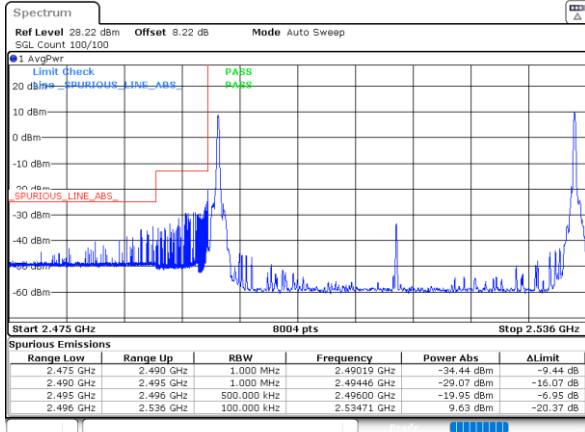




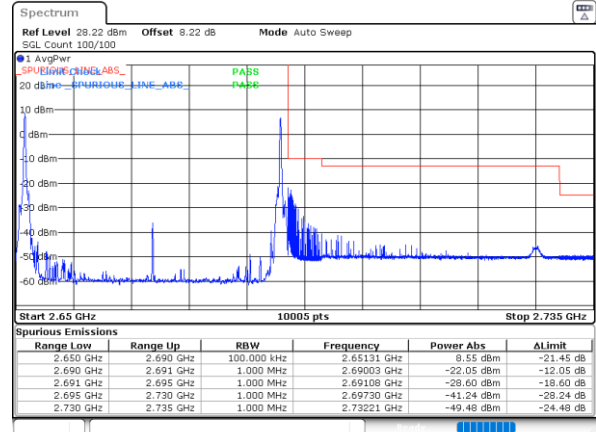
LTE Band 41C / 20MHz+20MHz

64QAM

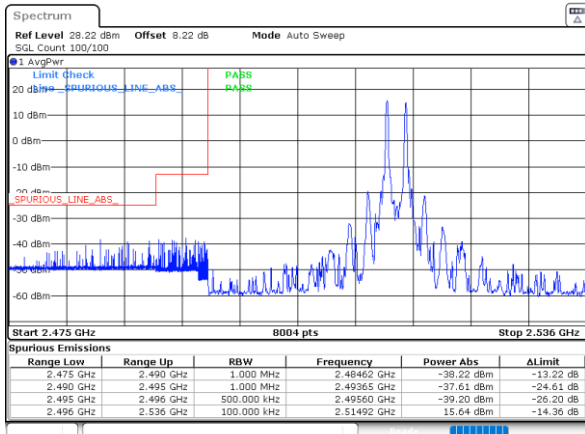
Lowest Band Edge / 1RB0 and 1RB99



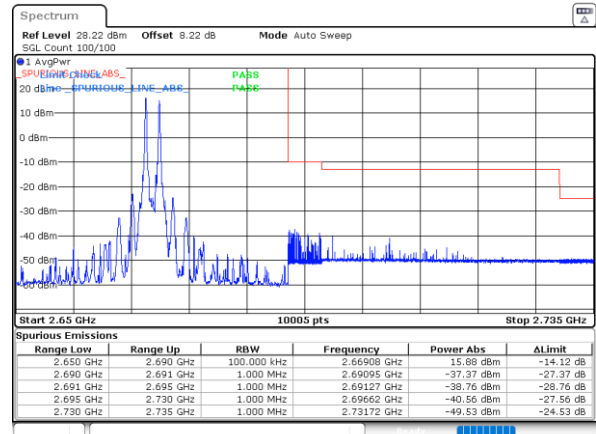
Highest Band Edge / 1RB0 and 1RB99



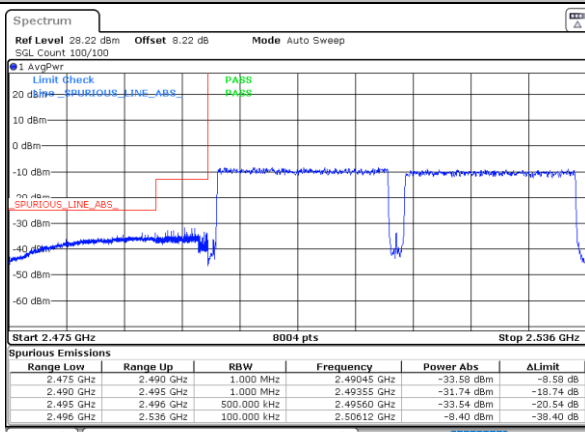
Lowest Band Edge / 1RB99 and 1RB0



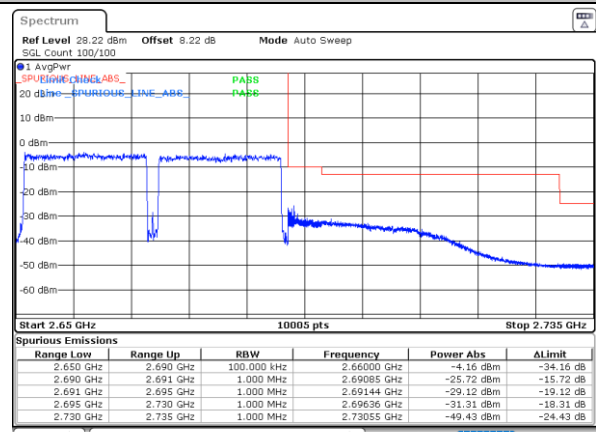
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

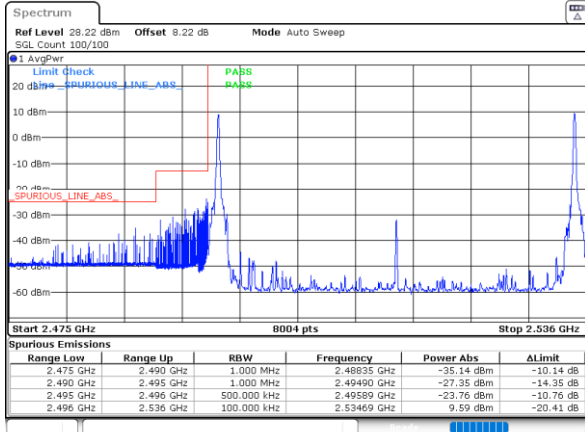




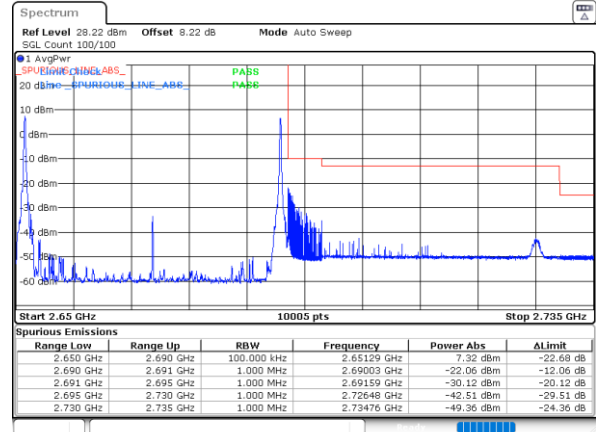
LTE Band 41C / 20MHz+20MHz

256QAM

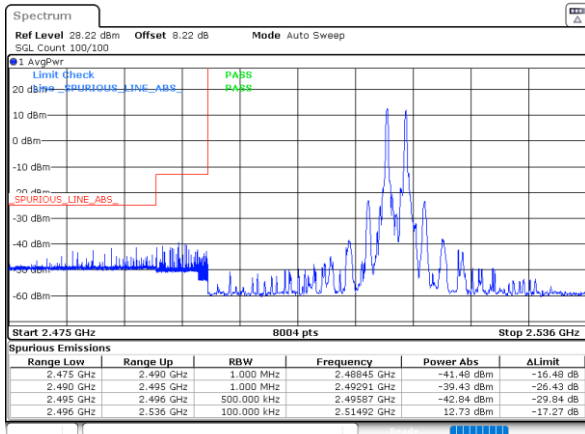
Lowest Band Edge / 1RB0 and 1RB99



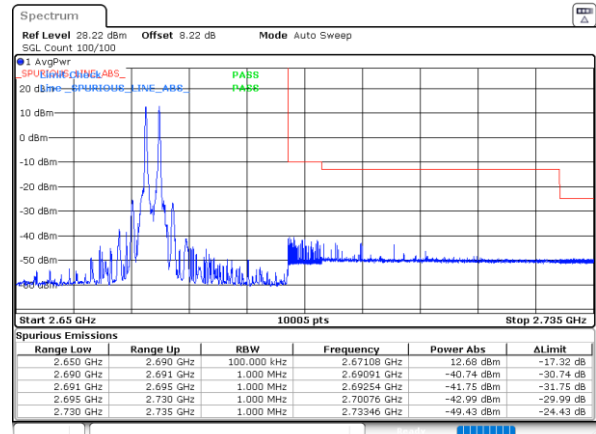
Highest Band Edge / 1RB0 and 1RB99



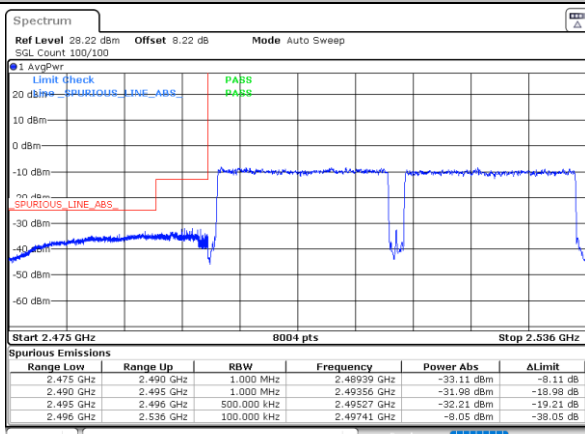
Lowest Band Edge / 1RB99 and 1RB0



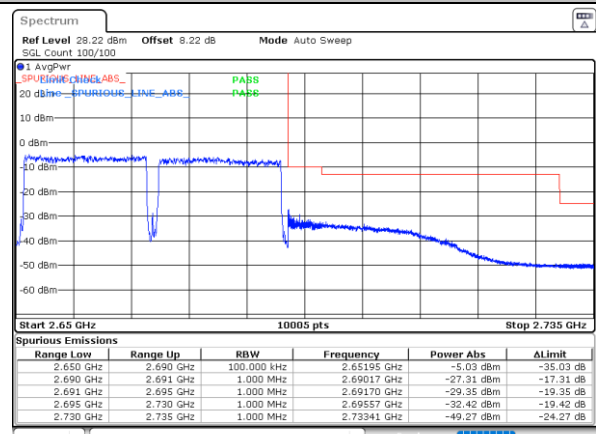
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

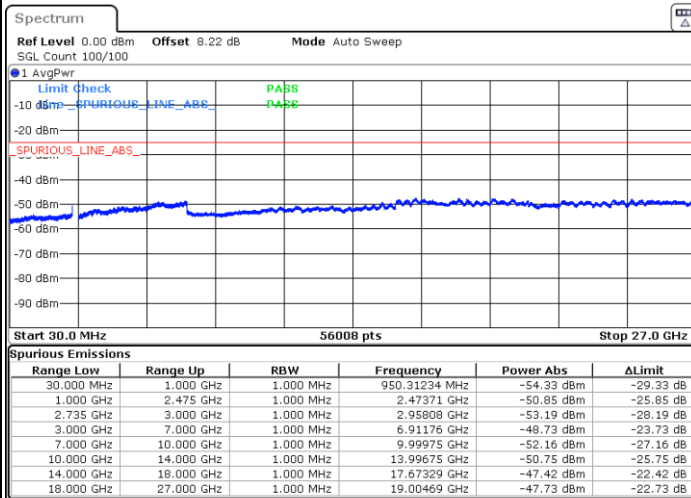




Conducted Spurious Emission

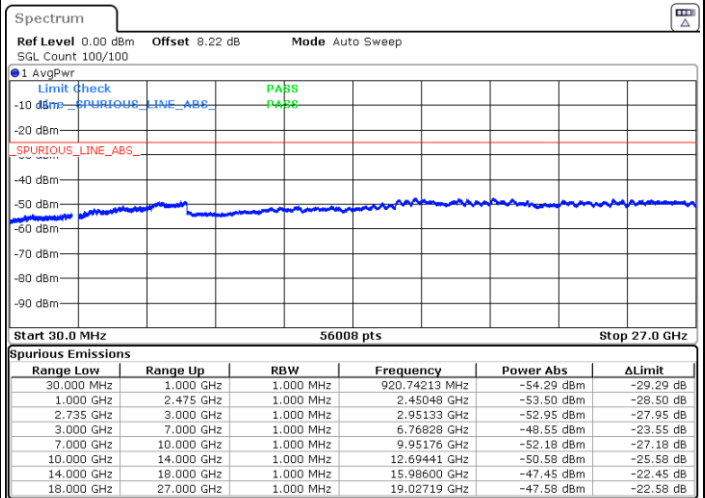
LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK



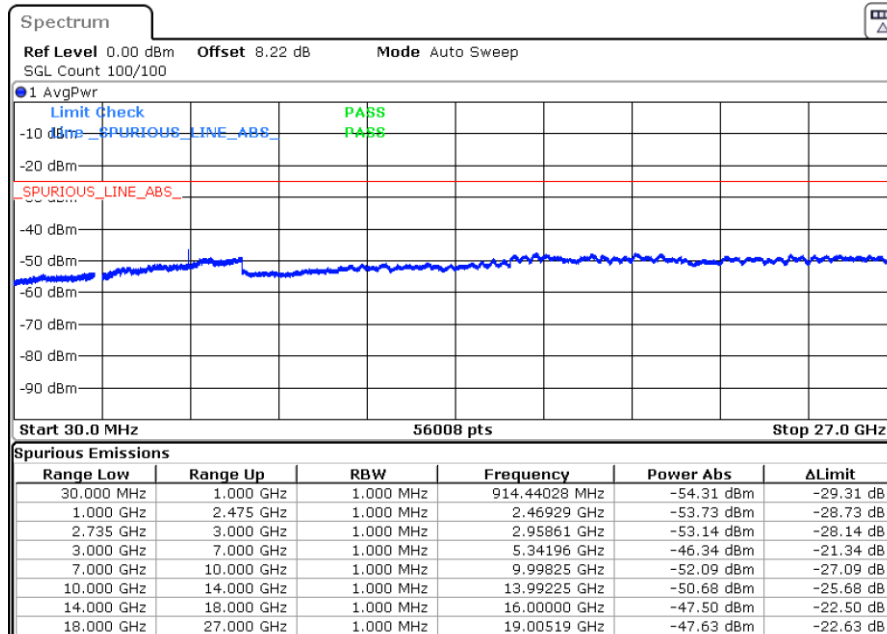
Date: 20.OCT.2024 20:41:52

Middle Channel / QPSK



Date: 20.OCT.2024 20:54:12

Highest Channel / QPSK



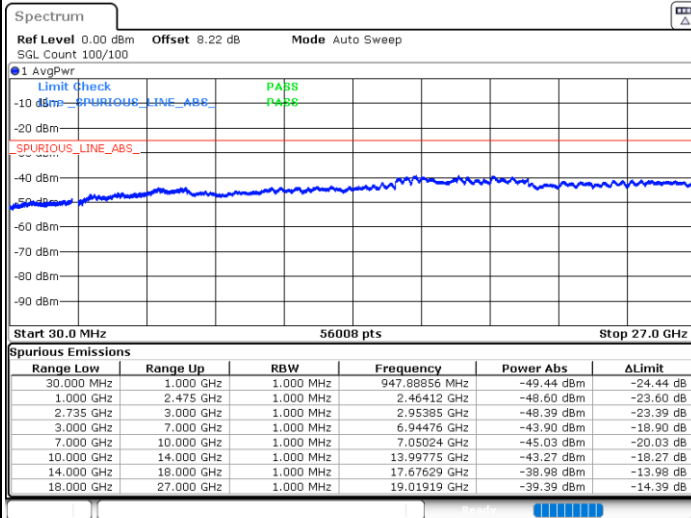
Date: 20.OCT.2024 20:57:59



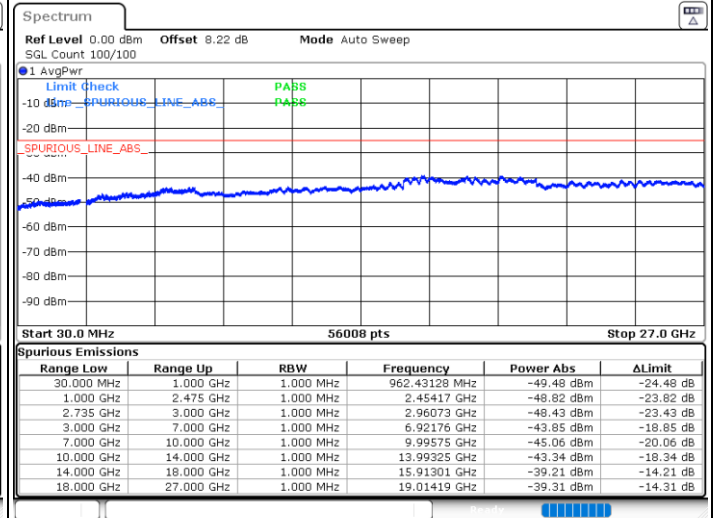
LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

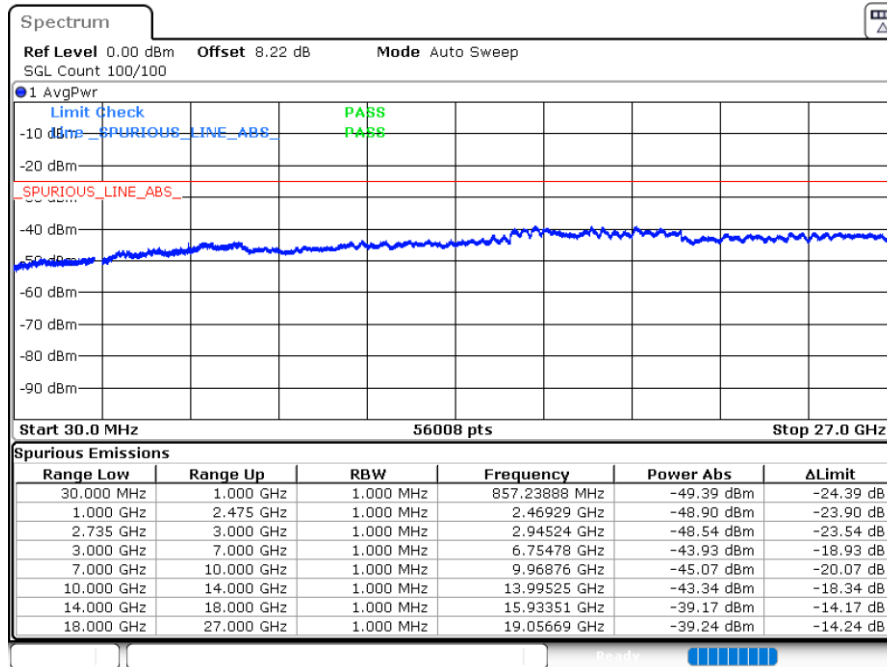


Date: 20.OCT.2024 21:09:18



Date: 20.OCT.2024 21:20:29

Highest Channel / QPSK



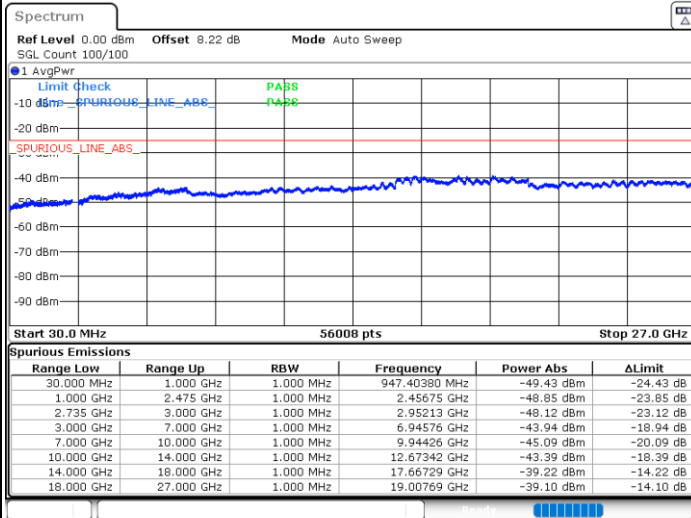
Date: 20.OCT.2024 21:24:13



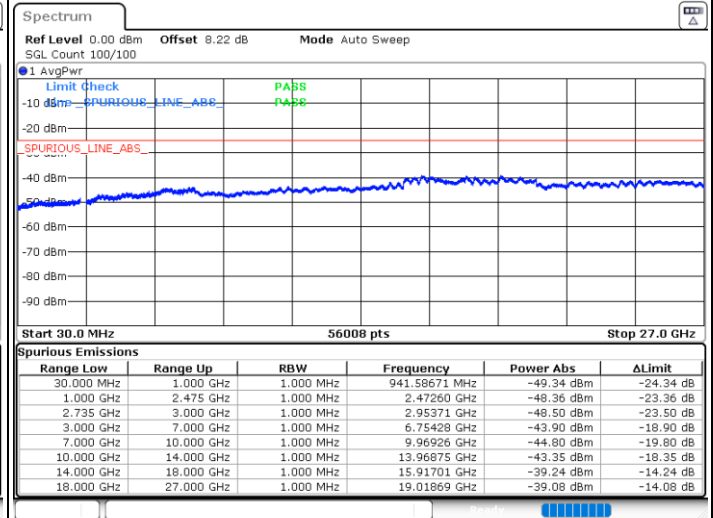
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

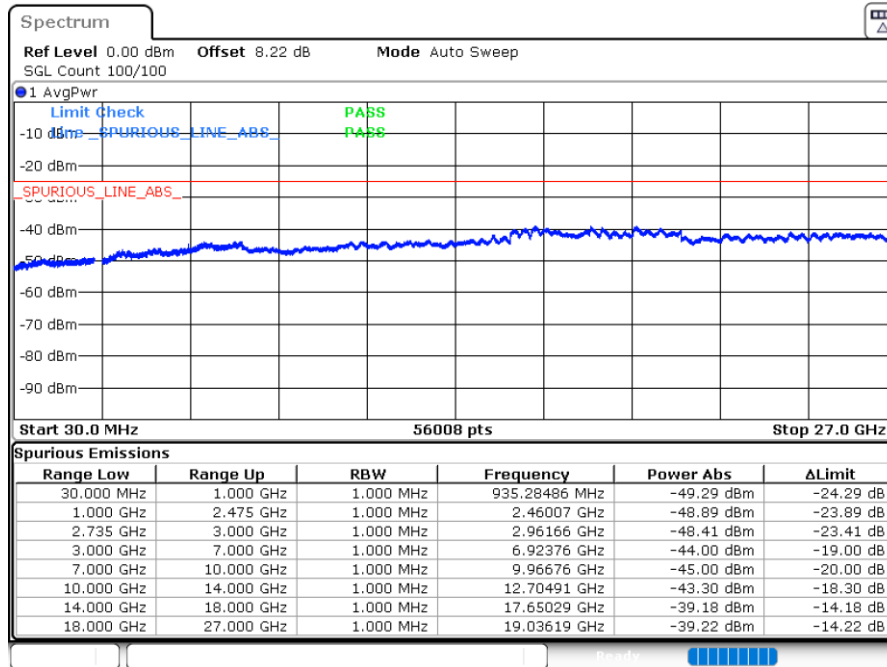


Date: 20.OCT.2024 21:35:32



Date: 20.OCT.2024 21:46:53

Highest Channel / QPSK



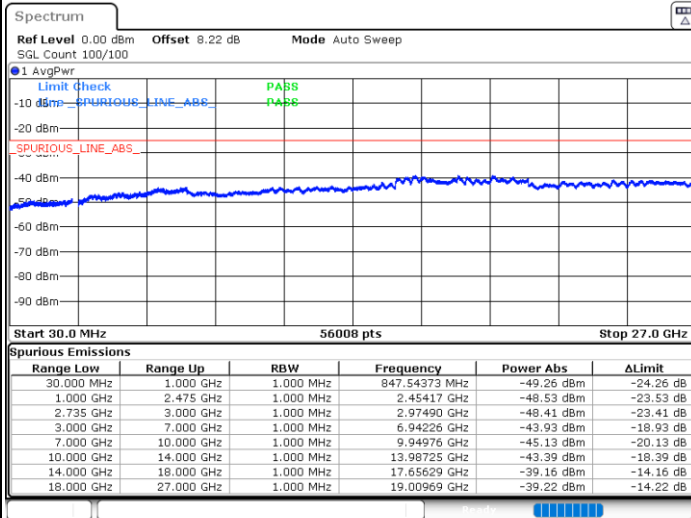
Date: 20.OCT.2024 21:50:37



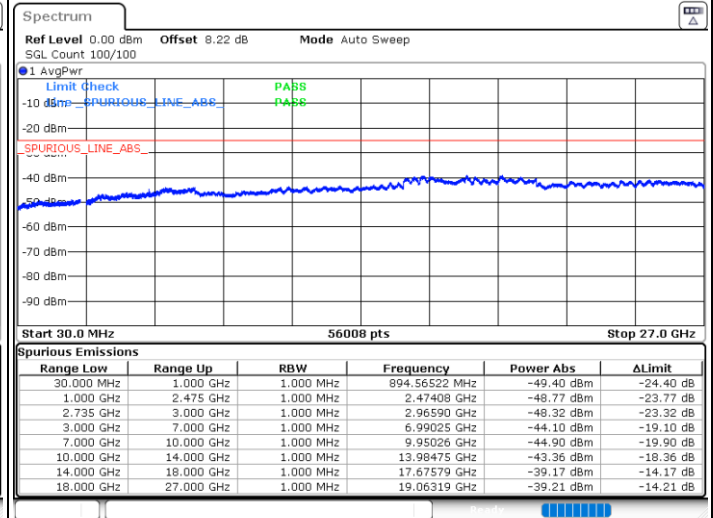
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

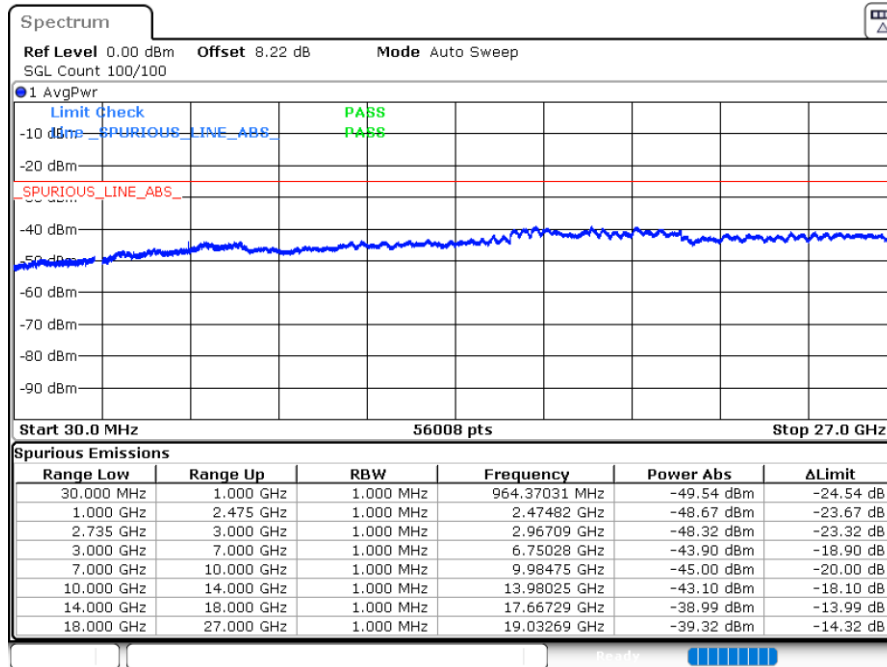


Date: 20.OCT.2024 22:01:56



Date: 20.OCT.2024 22:13:06

Highest Channel / QPSK



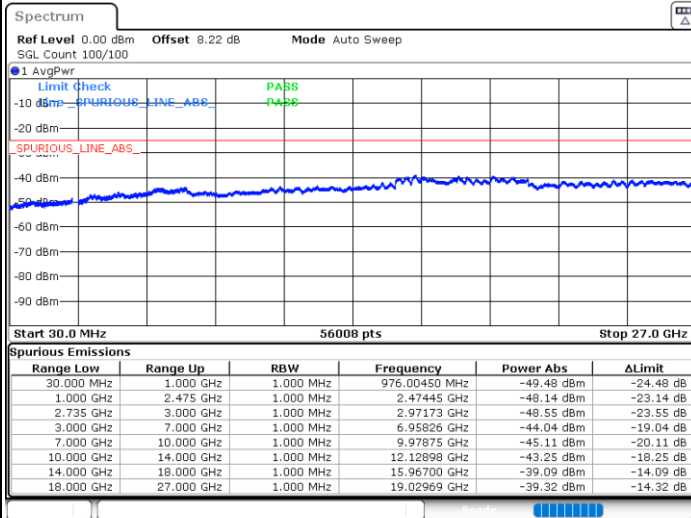
Date: 20.OCT.2024 22:16:50



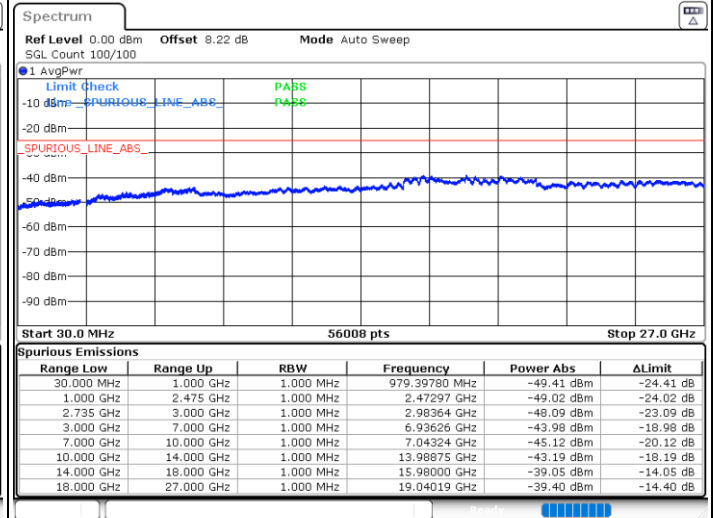
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

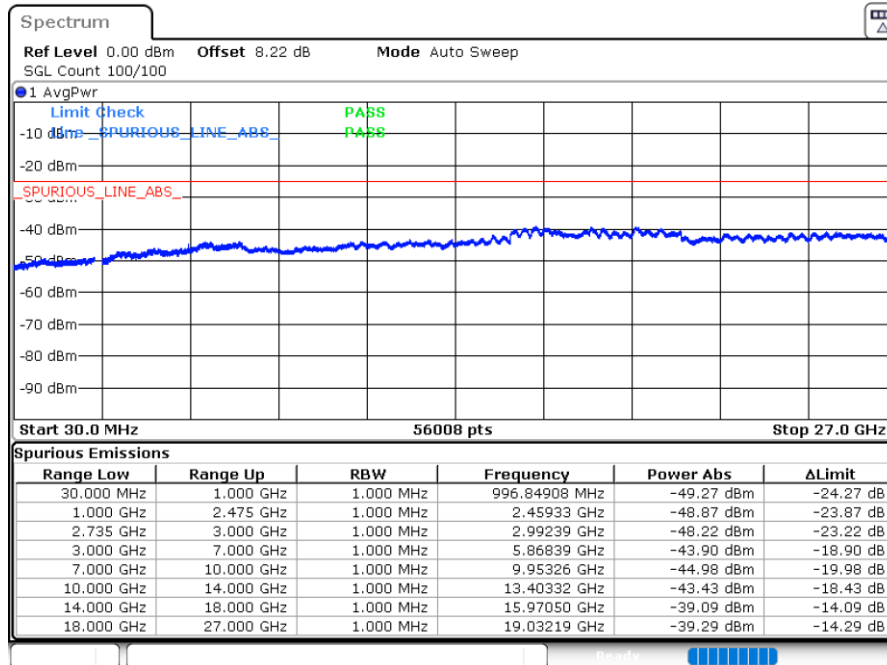


Date: 20.OCT.2024 22:28:09



Date: 20.OCT.2024 22:39:30

Highest Channel / QPSK



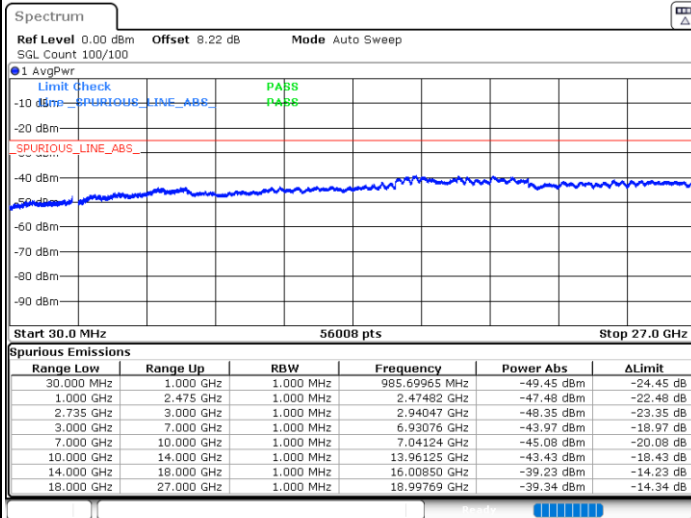
Date: 20.OCT.2024 22:43:14



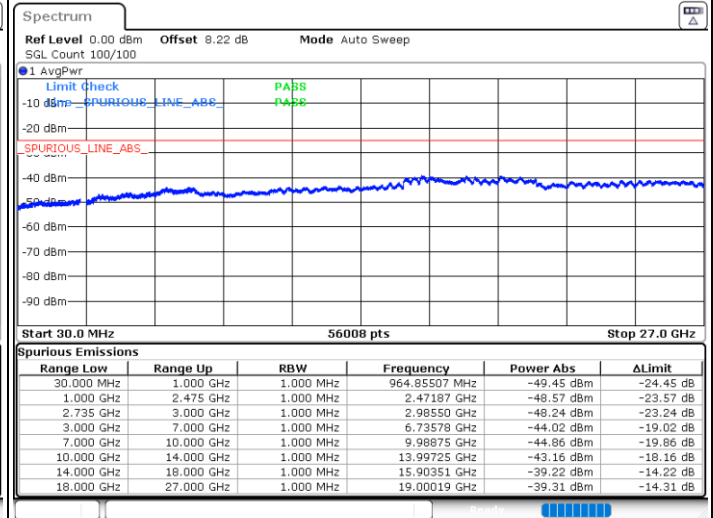
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

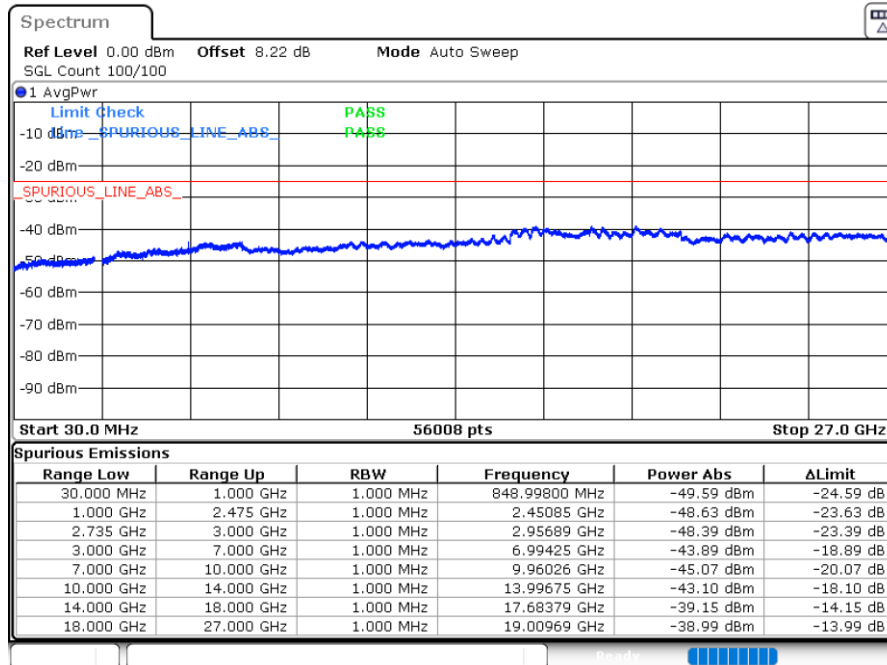


Date: 20.OCT.2024 22:54:33



Date: 20.OCT.2024 23:05:53

Highest Channel / QPSK



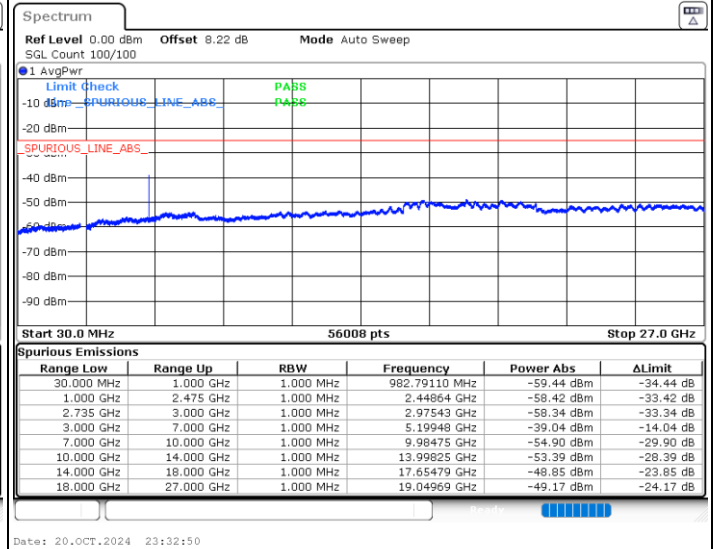
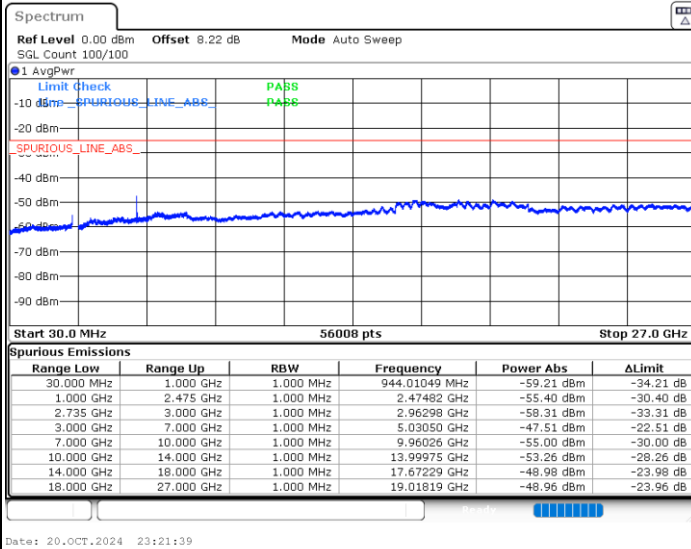
Date: 20.OCT.2024 23:09:38



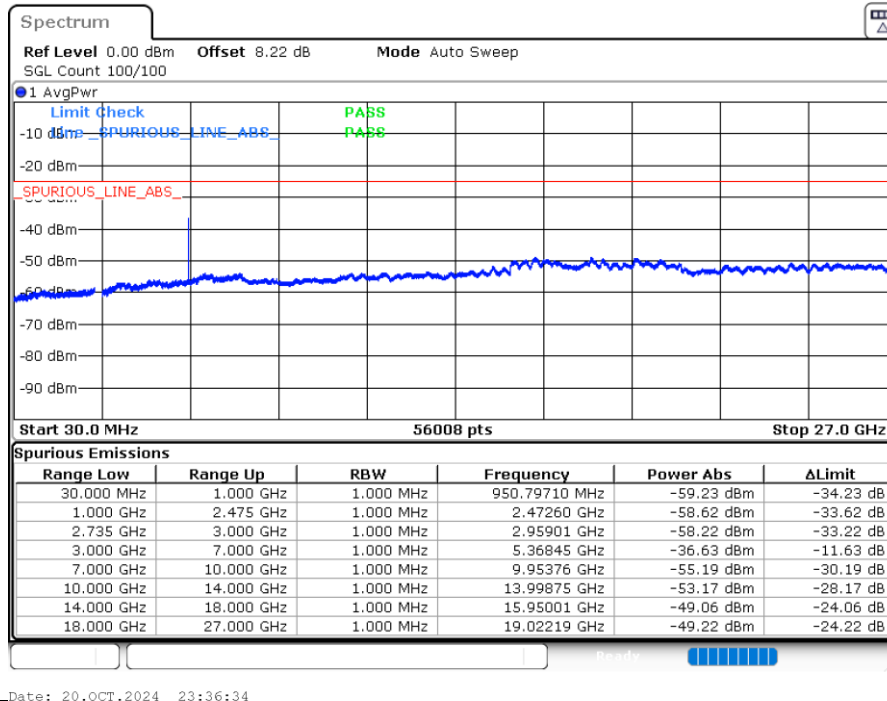
LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

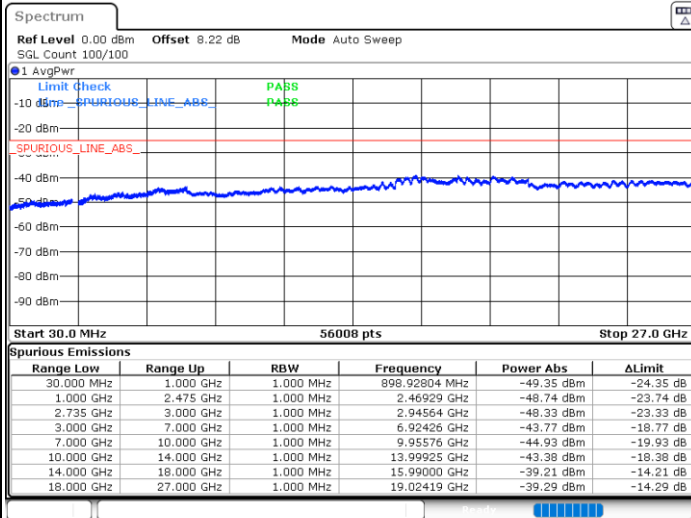




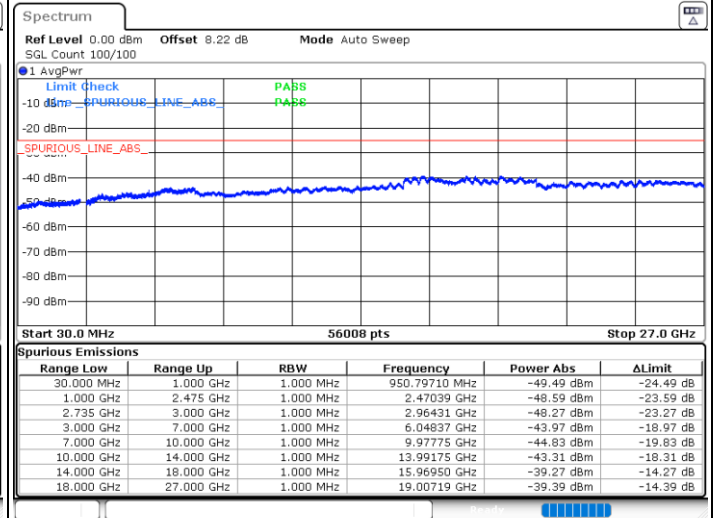
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

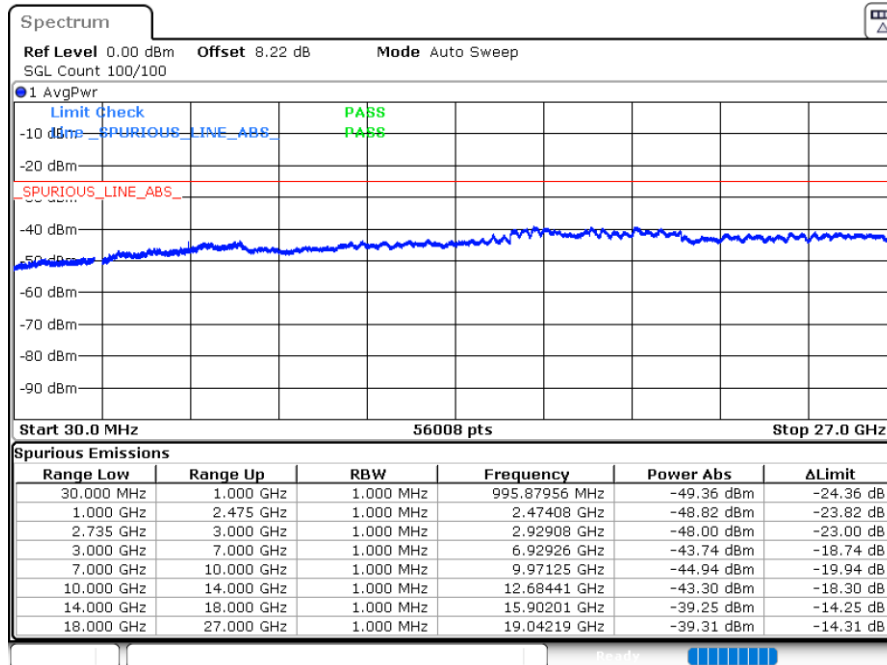


Date: 20.OCT.2024 23:47:53



Date: 20.OCT.2024 23:59:13

Highest Channel / QPSK



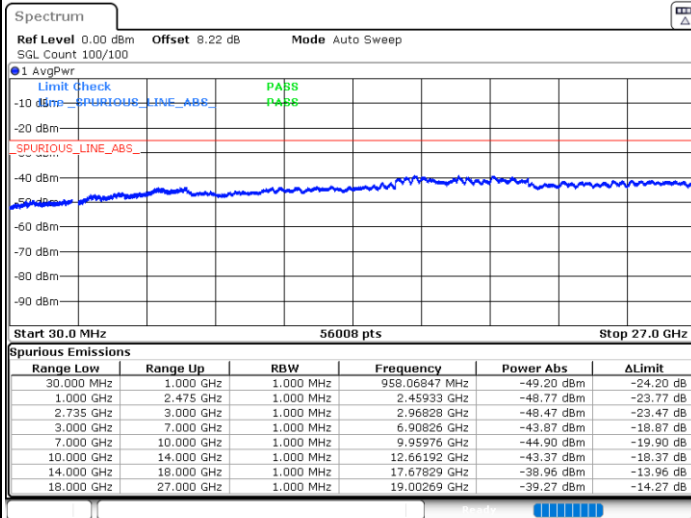
Date: 21.OCT.2024 00:02:57



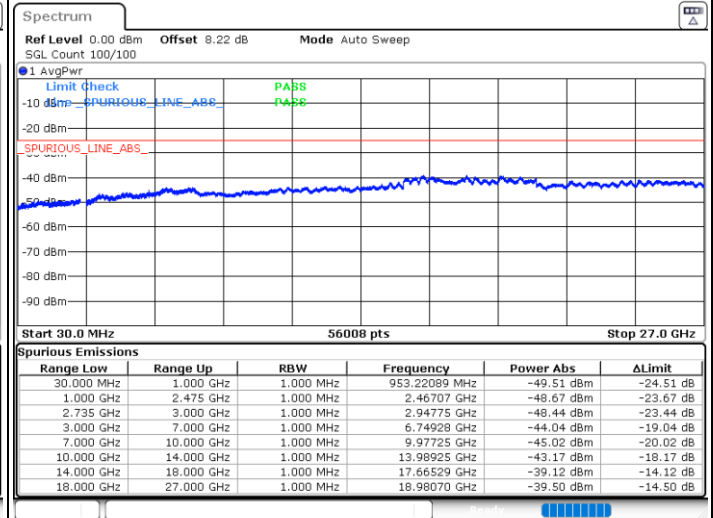
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

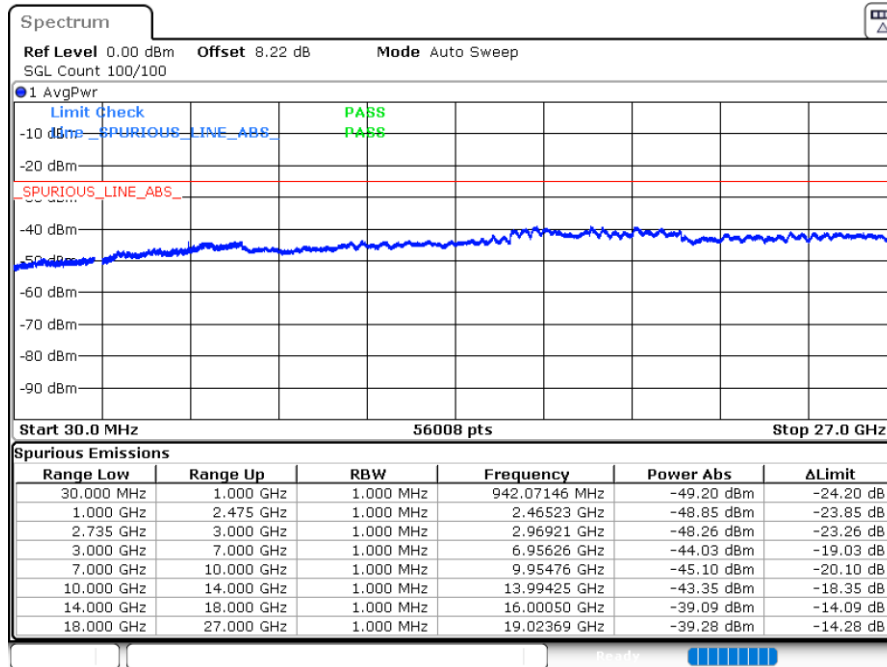


Date: 21.OCT.2024 00:14:16



Date: 21.OCT.2024 08:19:47

Highest Channel / QPSK



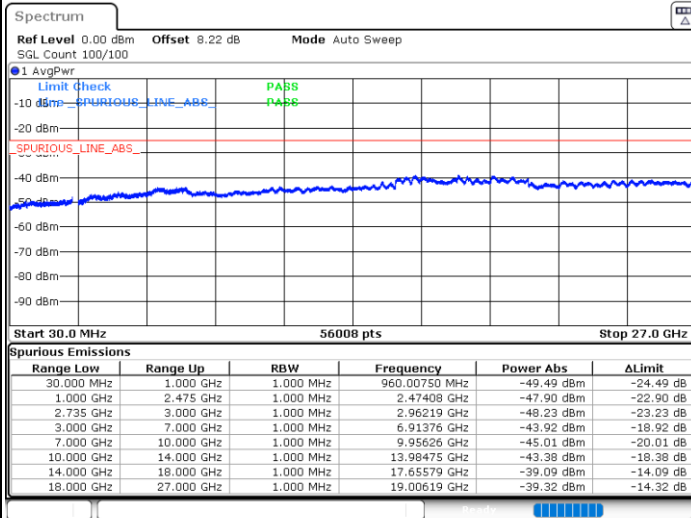
Date: 21.OCT.2024 08:23:33



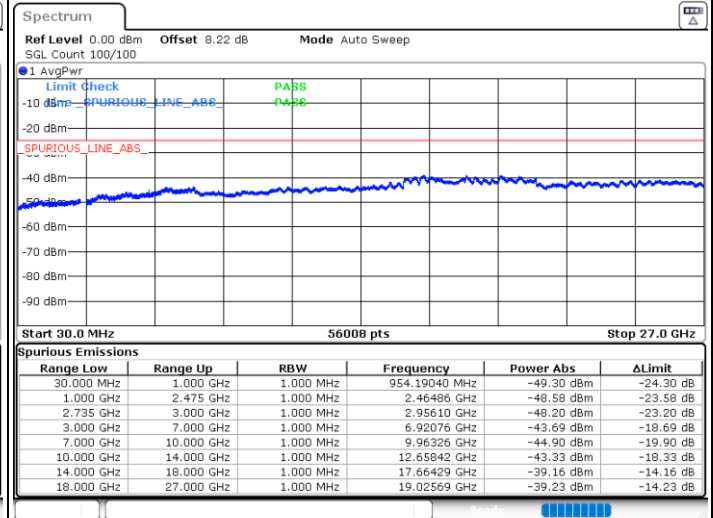
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

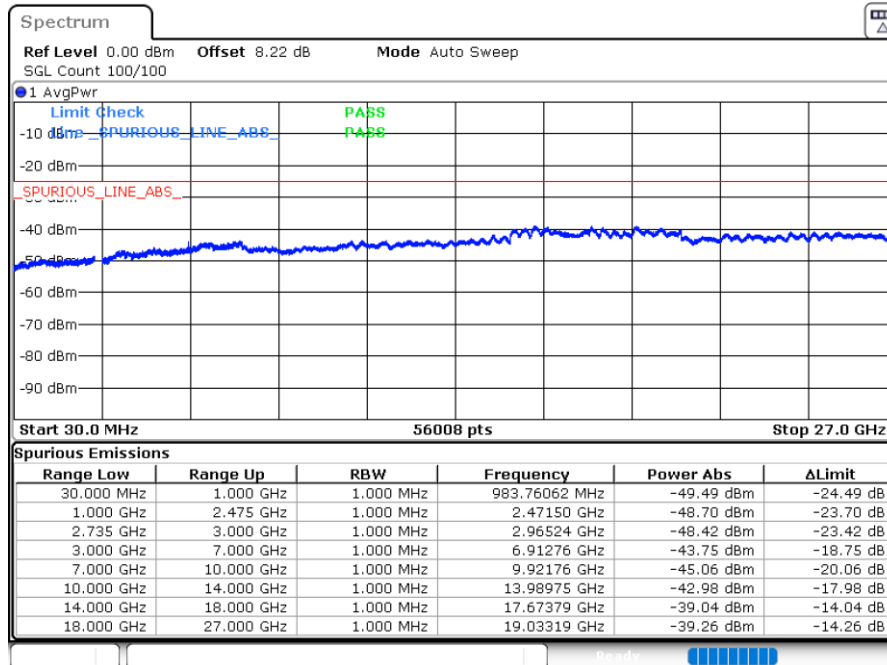


Date: 21.OCT.2024 08:34:52



Date: 21.OCT.2024 08:46:13

Highest Channel / QPSK



Date: 21.OCT.2024 08:52:34

**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	0.0025	PASS
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0039	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.87 V.; Battery End Point (BEP) =3.5 V.; Maximum Voltage =4.45 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 / 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)
Lowest	5008	-55.19	-25	-30.19	-65.40	3.03	13.24	H
	7503.27	-51.07	-25	-26.07	-60.52	3.56	13.01	H
	10004.36	-61.84	-25	-36.84	-71.36	3.92	13.44	H
	5008	-55.31	-25	-30.31	-65.52	3.03	13.24	V
	7503.27	-51.11	-25	-26.11	-60.56	3.56	13.01	V
	10004.36	-62.56	-25	-37.56	-72.08	3.92	13.44	V
Middle	5050	-58.31	-25	-33.31	-68.52	3.03	13.24	H
	7578.27	-58.29	-25	-33.29	-67.74	3.56	13.01	H
	10104.36	-61.69	-25	-36.69	-71.21	3.92	13.44	H
	5050	-57.81	-25	-32.81	-68.02	3.03	13.24	V
	7578.26	-52.78	-25	-27.78	-62.23	3.56	13.01	V
	10104.36	-61.86	-25	-36.86	-71.38	3.92	13.44	V
Highest	5106	-60.25	-25	-35.25	-70.46	3.03	13.24	H
	7654	-54.64	-25	-29.64	-64.09	3.56	13.01	H
	10204.36	-60.53	-25	-35.53	-70.05	3.92	13.44	H
	5106	-60.31	-25	-35.31	-70.52	3.03	13.24	V
	7653.27	-54.57	-25	-29.57	-64.02	3.56	13.01	V
	10204.36	-61.53	-25	-36.53	-71.05	3.92	13.44	V

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



EN-DC_7A-13A(DL)_n66A / 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)
Lowest	5008	-58.41	-25	-33.41	-68.62	3.03	13.24	H
	7500	-48.85	-25	-23.85	-58.30	3.56	13.01	H
	10006	-62.25	-25	-37.25	-71.77	3.92	13.44	H
	5008	-59.63	-25	-34.63	-69.84	3.03	13.24	V
	7500	-46.85	-25	-21.85	-56.30	3.56	13.01	V
	10006	-62.60	-25	-37.60	-72.12	3.92	13.44	V
Middle	5050	-59.20	-25	-34.20	-69.41	3.03	13.24	H
	7584	-42.88	-25	-17.88	-52.33	3.56	13.01	H
	10104	-62.23	-25	-37.23	-71.75	3.92	13.44	H
	5050	-60.05	-25	-35.05	-70.26	3.03	13.24	V
	7584	-38.46	-25	-13.46	-47.91	3.56	13.01	V
	10104	-62.58	-25	-37.58	-72.10	3.92	13.44	V
Highest	5106	-61.49	-25	-36.49	-71.70	3.03	13.24	H
	7654	-53.80	-25	-28.80	-63.25	3.56	13.01	H
	10202	-61.02	-25	-36.02	-70.54	3.92	13.44	H
	5106	-61.27	-25	-36.27	-71.48	3.03	13.24	V
	7654	-43.08	-25	-18.08	-52.53	3.56	13.01	V
	10202	-61.58	-25	-36.58	-71.50	4.44	14.36	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)
Lowest	4994	-52.78	-25	-27.78	-62.99	3.03	13.24	H
	7486	-49.27	-25	-24.27	-58.72	3.56	13.01	H
	9988.36	-62.46	-25	-37.46	-71.98	3.92	13.44	H
	4994	-51.17	-25	-26.17	-61.38	3.03	13.24	V
	7486	-42.41	-25	-17.41	-51.86	3.56	13.01	V
	9988.36	-60.65	-25	-35.65	-70.17	3.92	13.44	V
Middle	5162	-57.86	-25	-32.86	-68.07	3.03	13.24	H
	7752.27	-48.78	-25	-23.78	-58.23	3.56	13.01	H
	10342	-59.13	-25	-34.13	-68.65	3.92	13.44	H
	5162	-57.89	-25	-32.89	-68.10	3.03	13.24	V
	7752.27	-48.73	-25	-23.73	-58.18	3.56	13.01	V
	10336.36	-60.67	-25	-35.67	-70.19	3.92	13.44	V
Highest	5344	-61.75	-25	-36.75	-71.96	3.03	13.24	H
	8013.27	-61.77	-25	-36.77	-71.22	3.56	13.01	H
	10684.36	-59.37	-25	-34.37	-68.89	3.92	13.44	H
	5344	-63.11	-25	-38.11	-73.32	3.03	13.24	V
	8013.27	-61.76	-25	-36.76	-71.21	3.56	13.01	V
	10684.36	-59.57	-25	-34.57	-69.09	3.92	13.44	V

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



LTE CA_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)
Lowest	7920	-59.72	-25	-34.72	-69.93	3.03	13.24	H
	10006	-61.24	-25	-36.24	-70.69	3.56	13.01	H
	10566	-60.31	-25	-35.31	-69.83	3.92	13.44	H
	7920	-60.73	-25	-35.73	-70.94	3.03	13.24	V
	10006	-61.64	-25	-36.64	-71.09	3.56	13.01	V
	10566	-60.59	-25	-35.59	-70.11	3.92	13.44	V
	5008	-62.05	-25	-37.05	-72.26	3.03	13.24	H
	5288	-62.82	-25	-37.82	-72.27	3.56	13.01	H
	7500	-47.01	-25	-22.01	-56.53	3.92	13.44	H
	5008	-61.94	-25	-36.94	-72.15	3.03	13.24	V
	5288	-62.25	-25	-37.25	-71.70	3.56	13.01	V
	7500	-43.73	-25	-18.73	-53.25	3.92	13.44	V
Middle	5036	-61.88	-25	-36.88	-72.09	3.03	13.24	H
	5316	-63.17	-25	-38.17	-72.62	3.56	13.01	H
	7542	-55.08	-25	-30.08	-64.60	3.92	13.44	H
	5036	-62.23	-25	-37.23	-72.44	3.03	13.24	V
	5316	-63.17	-25	-38.17	-72.62	3.56	13.01	V
	7542	-48.64	-25	-23.64	-58.16	3.92	13.44	V
	7962	-61.11	-25	-36.11	-71.32	3.03	13.24	H
	10048	-61.03	-25	-36.03	-70.48	3.56	13.01	H
	10622	-60.39	-25	-35.39	-69.91	3.92	13.44	H
	7962	-61.18	-25	-36.18	-71.39	3.03	13.24	V
	10048	-61.74	-25	-36.74	-71.19	3.56	13.01	V
	10622	-60.91	-25	-35.91	-70.43	3.92	13.44	V
Highest	5064	-61.88	-25	-36.88	-72.09	3.03	13.24	H
	5106	-61.84	-25	-36.84	-71.29	3.56	13.01	H
	7598	-47.94	-25	-22.94	-57.46	3.92	13.44	H
	5064	-61.32	-25	-36.32	-71.53	3.03	13.24	V
	5106	-63.06	-25	-38.06	-72.51	3.56	13.01	V
	7598	-46.40	-25	-21.40	-55.92	3.92	13.44	V
	7654	-57.30	-25	-32.30	-67.51	3.03	13.24	H
	10132	-60.53	-25	-35.53	-69.98	3.56	13.01	H
	10202	-59.69	-25	-34.69	-69.21	3.92	13.44	H
	7654	-59.33	-25	-34.33	-69.54	3.03	13.24	V
	10132	-60.70	-25	-35.70	-70.15	3.56	13.01	V
	10202	-60.27	-25	-35.27	-69.79	3.92	13.44	V

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



LTE CA_38C / 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)
Lowest	5148	-62.04	-25	-37.04	-72.25	3.03	13.24	H
	5176	-61.46	-25	-36.46	-70.91	3.56	13.01	H
	7710	-56.33	-25	-31.33	-65.85	3.92	13.44	H
	5148	-62.03	-25	-37.03	-72.24	3.03	13.24	V
	5176	-61.58	-25	-36.58	-71.03	3.56	13.01	V
	7710	-54.92	-25	-29.92	-64.44	3.92	13.44	V
	7766	-60.54	-25	-35.54	-70.75	3.03	13.24	H
	10286	-60.46	-25	-35.46	-69.91	3.56	13.01	H
	10370	-60.39	-25	-35.39	-69.91	3.92	13.44	H
	7766	-60.64	-25	-35.64	-70.85	3.03	13.24	V
	10286	-60.67	-25	-35.67	-70.12	3.56	13.01	V
	10370	-60.75	-25	-35.75	-70.27	3.92	13.44	V
Middle	5148	-61.59	-25	-36.59	-71.80	3.03	13.24	H
	5190	-61.94	-25	-36.94	-71.39	3.56	13.01	H
	7724	-57.28	-25	-32.28	-66.80	3.92	13.44	H
	5148	-61.63	-25	-36.63	-71.84	3.03	13.24	V
	5190	-62.26	-25	-37.26	-71.71	3.56	13.01	V
	7724	-58.85	-25	-33.85	-68.37	3.92	13.44	V
	7794	-60.90	-25	-35.90	-71.11	3.03	13.24	H
	10300	-59.99	-25	-34.99	-69.44	3.56	13.01	H
	10384	-59.93	-25	-34.93	-69.45	3.92	13.44	H
	7794	-60.35	-25	-35.35	-70.56	3.03	13.24	V
	10300	-60.35	-25	-35.35	-69.80	3.56	13.01	V
	10384	-60.59	-25	-35.59	-70.11	3.92	13.44	V
Highest	5162	-61.81	-25	-36.81	-72.02	3.03	13.24	H
	5204	-62.00	-25	-37.00	-71.45	3.56	13.01	H
	7738	-56.25	-25	-31.25	-65.77	3.92	13.44	H
	5162	-61.49	-25	-36.49	-71.70	3.03	13.24	V
	5204	-62.04	-25	-37.04	-71.49	3.56	13.01	V
	7738	-58.79	-25	-33.79	-68.31	3.92	13.44	V
	7808	-61.11	-25	-36.11	-71.32	3.03	13.24	H
	10328	-59.96	-25	-34.96	-69.41	3.56	13.01	H
	10398	-60.20	-25	-35.20	-69.72	3.92	13.44	H
	7808	-60.56	-25	-35.56	-70.77	3.03	13.24	V
	10328	-60.51	-25	-35.51	-69.96	3.56	13.01	V
	10398	-60.47	-25	-35.47	-69.99	3.92	13.44	V

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



LTE CA_41C / 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)
Lowest	4994	-60.88	-25	-35.88	-71.09	3.03	13.24	H
	5036	-61.04	-25	-36.04	-70.49	3.56	13.01	H
	7486	-61.06	-25	-36.06	-70.58	3.92	13.44	H
	4994	-60.92	-25	-35.92	-71.13	3.03	13.24	V
	5036	-61.02	-25	-36.02	-70.47	3.56	13.01	V
	7486	-60.07	-25	-35.07	-69.59	3.92	13.44	V
	7556	-61.00	-25	-36.00	-71.21	3.03	13.24	H
	9992	-61.51	-25	-36.51	-70.96	3.56	13.01	H
	10062	-61.84	-25	-36.84	-71.36	3.92	13.44	H
	7556	-61.03	-25	-36.03	-71.24	3.03	13.24	V
	9992	-61.96	-25	-36.96	-71.41	3.56	13.01	V
	10062	-62.03	-25	-37.03	-71.55	3.92	13.44	V
Middle	5148	-61.35	-25	-36.35	-71.56	3.03	13.24	H
	5190	-61.53	-25	-36.53	-70.98	3.56	13.01	H
	7724	-59.95	-25	-34.95	-69.47	3.92	13.44	H
	5148	-61.09	-25	-36.09	-71.30	3.03	13.24	V
	5190	-61.73	-25	-36.73	-71.18	3.56	13.01	V
	7724	-60.14	-25	-35.14	-69.66	3.92	13.44	V
	7780	-60.66	-25	-35.66	-70.87	3.03	13.24	H
	10300	-60.25	-25	-35.25	-69.70	3.56	13.01	H
	10370	-60.09	-25	-35.09	-69.61	3.92	13.44	H
	7780	-60.12	-25	-35.12	-70.33	3.03	13.24	V
	10300	-60.35	-25	-35.35	-69.80	3.56	13.01	V
	10370	-60.43	-25	-35.43	-69.95	3.92	13.44	V
Highest	5302	-62.40	-25	-37.40	-72.61	3.03	13.24	H
	5344	-62.93	-25	-37.93	-72.38	3.56	13.01	H
	7948	-60.68	-25	-35.68	-70.20	3.92	13.44	H
	5302	-62.25	-25	-37.25	-72.46	3.03	13.24	V
	5344	-62.15	-25	-37.15	-71.60	3.56	13.01	V
	7948	-60.47	-25	-35.47	-69.99	3.92	13.44	V
	8018	-61.39	-25	-36.39	-71.60	3.03	13.24	H
	10608	-60.71	-25	-35.71	-70.16	3.56	13.01	H
	10678	-61.36	-25	-36.36	-70.88	3.92	13.44	H
	8018	-61.36	-25	-36.36	-71.57	3.03	13.24	V
	10608	-60.97	-25	-35.97	-70.42	3.56	13.01	V
	10678	-61.54	-25	-36.54	-71.06	3.92	13.44	V

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