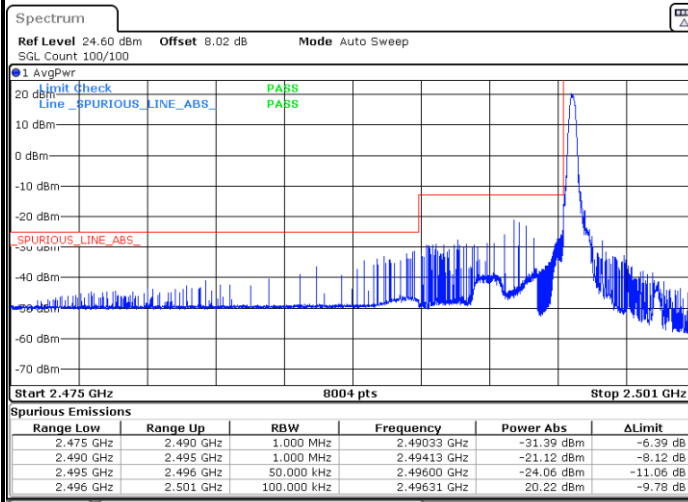


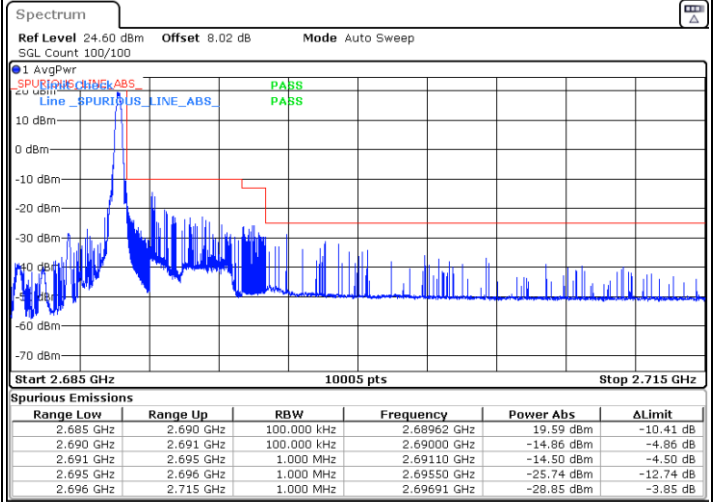


LTE Band 41 / 5MHz / 16QAM

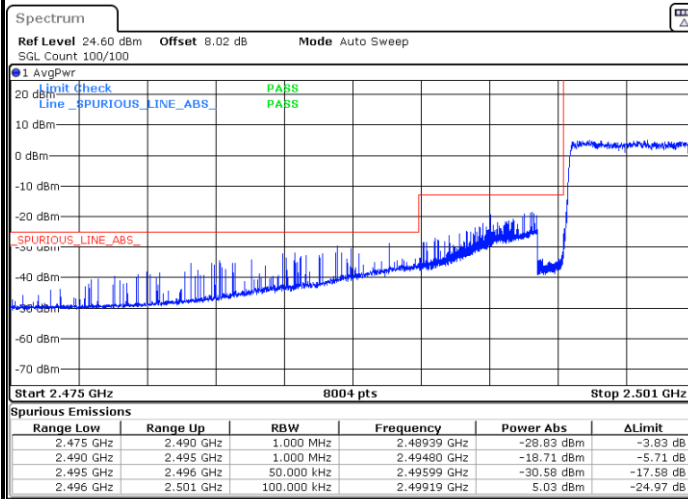
Lowest Band Edge / 1RB



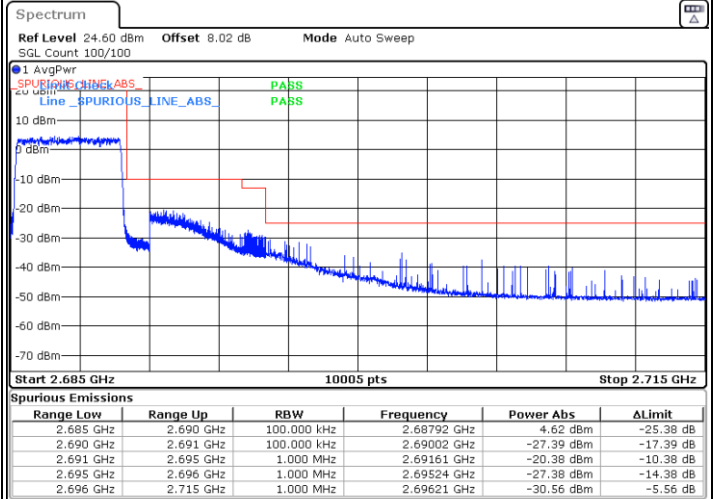
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



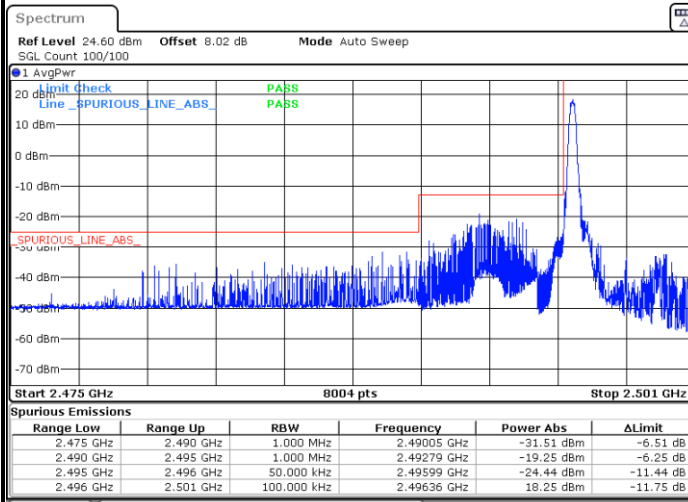
Highest Band Edge / Full RB



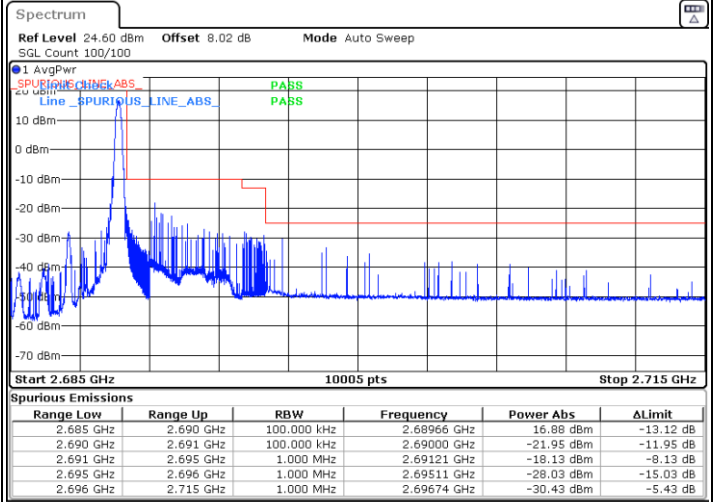


LTE Band 41 / 5MHz / 64QAM

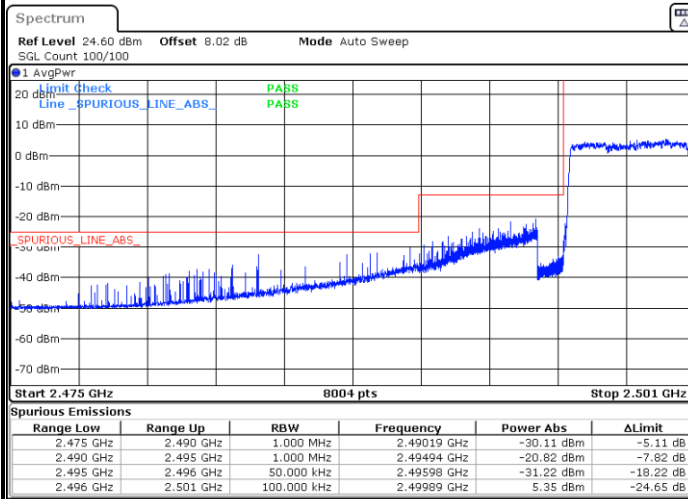
Lowest Band Edge / 1RB



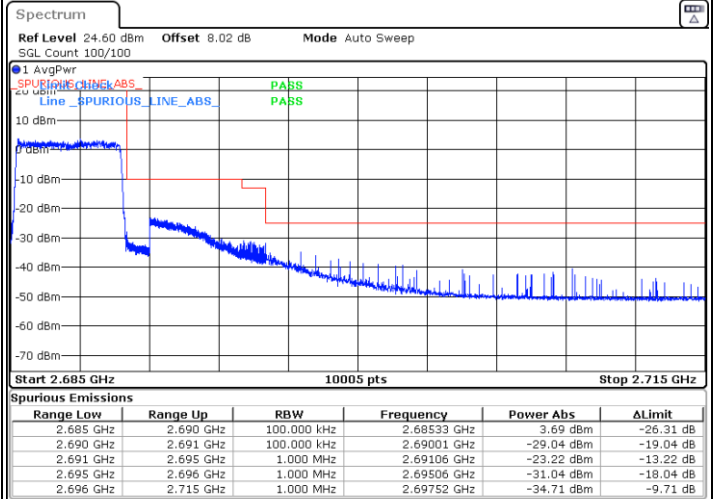
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



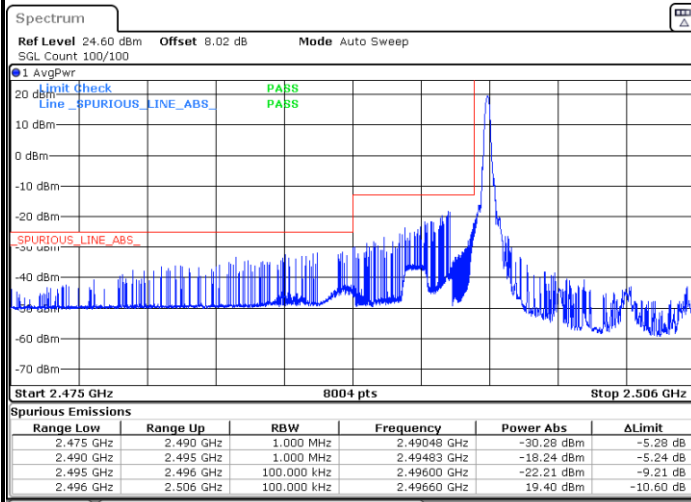
Highest Band Edge / Full RB



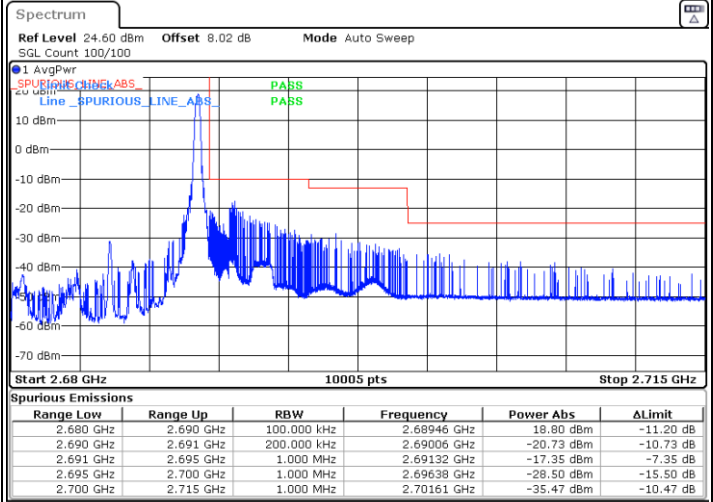


LTE Band 41 / 10MHz / QPSK

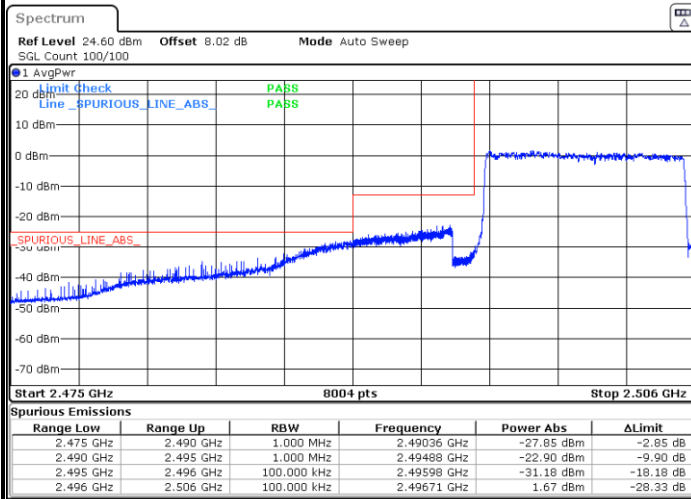
Lowest Band Edge / 1 RB



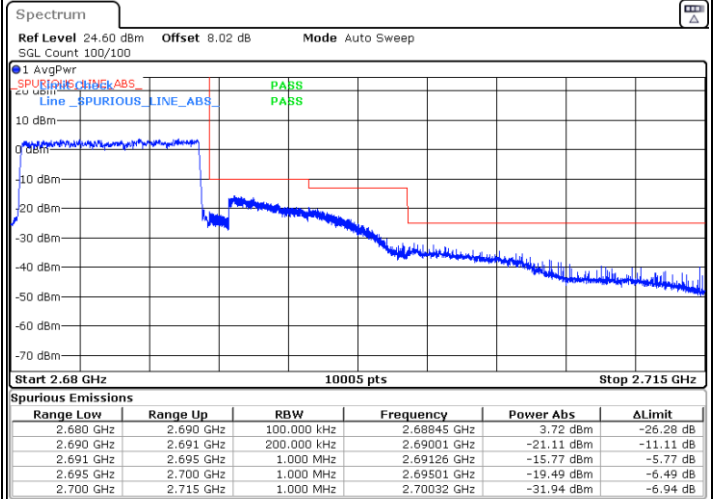
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



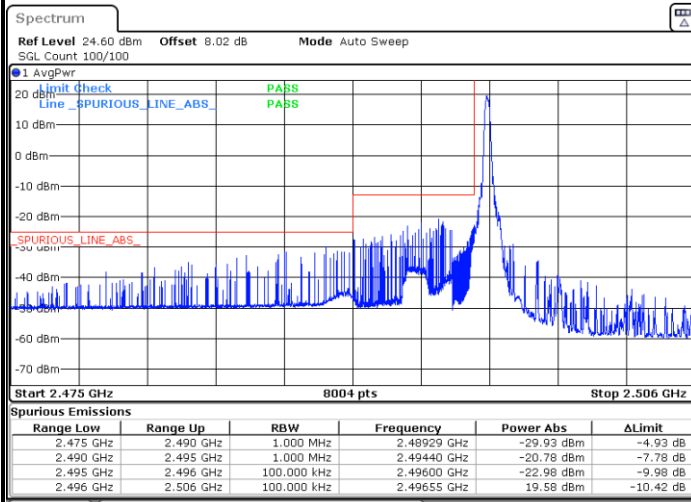
Highest Band Edge / Full RB



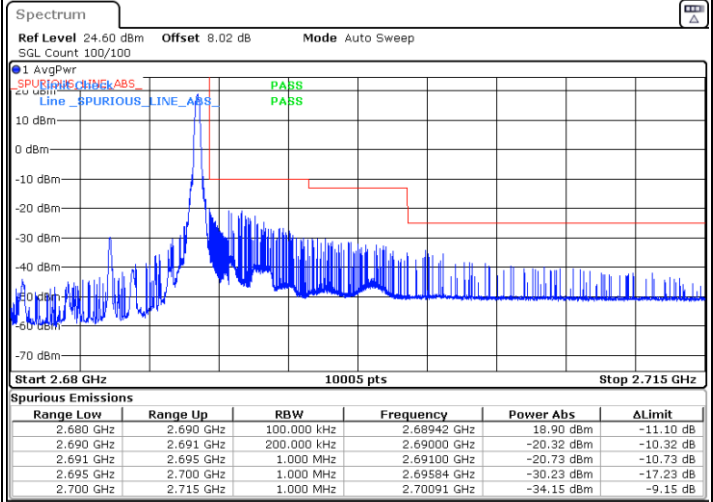


LTE Band 41 / 10MHz / 16QAM

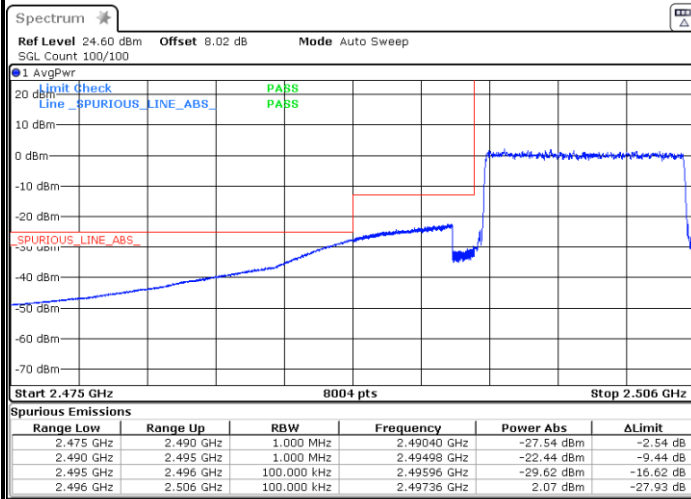
Lowest Band Edge / 1 RB



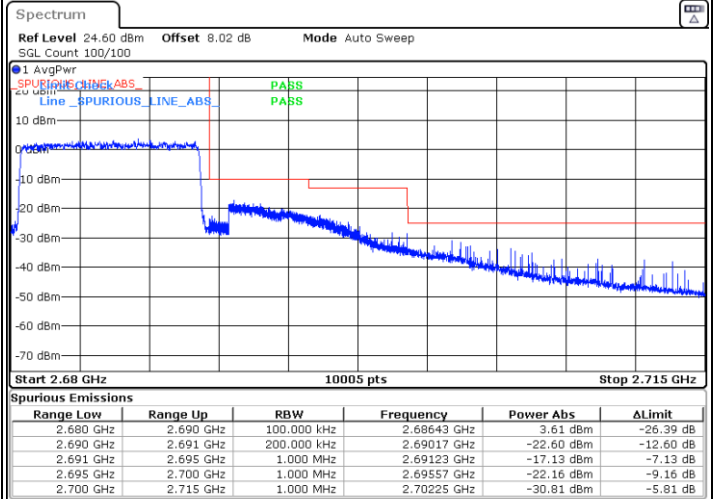
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



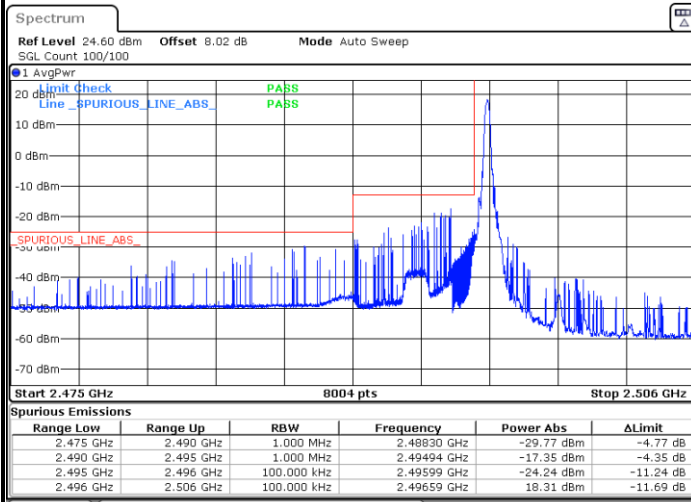
Highest Band Edge / Full RB



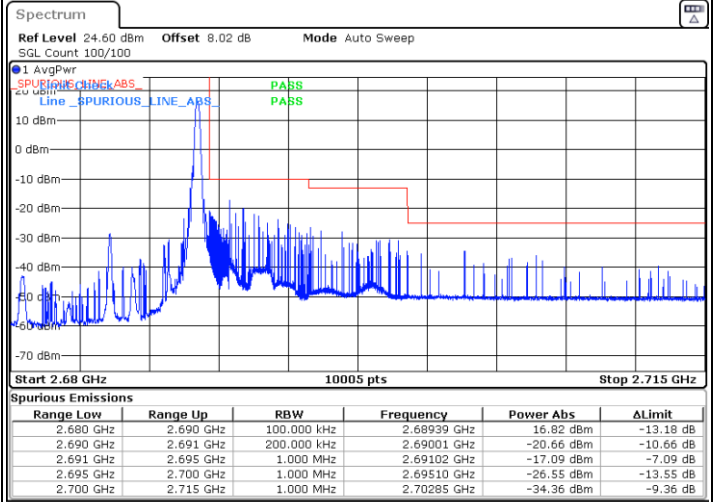


LTE Band 41 / 10MHz / 64QAM

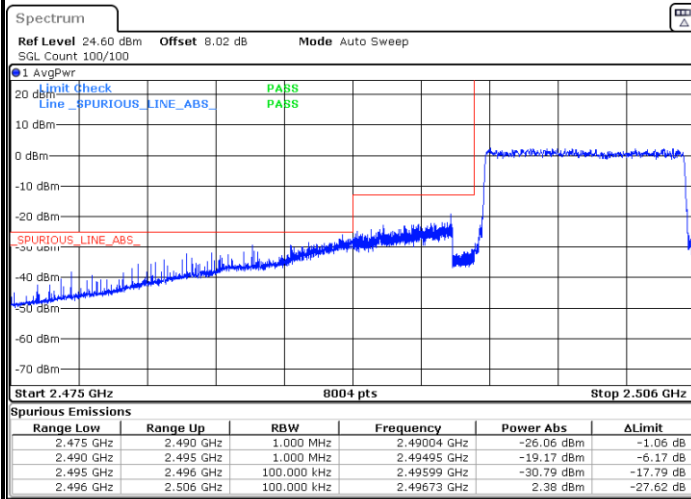
Lowest Band Edge / 1 RB



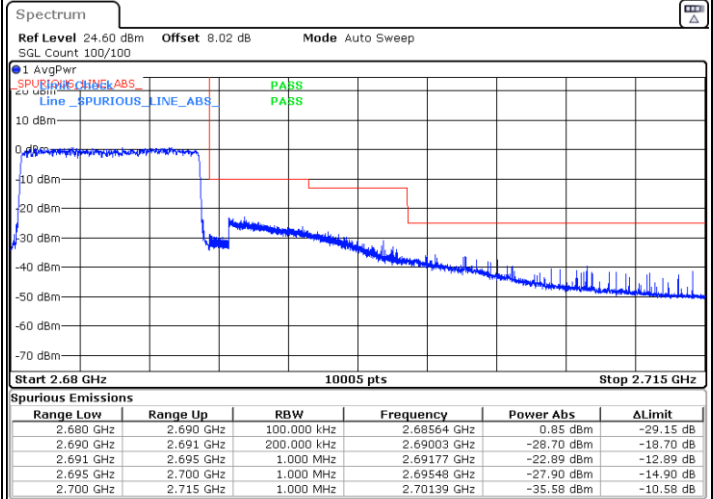
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



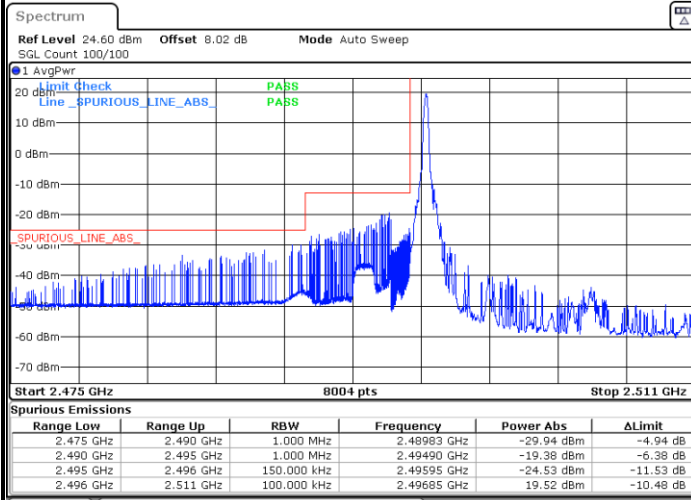
Highest Band Edge / Full RB



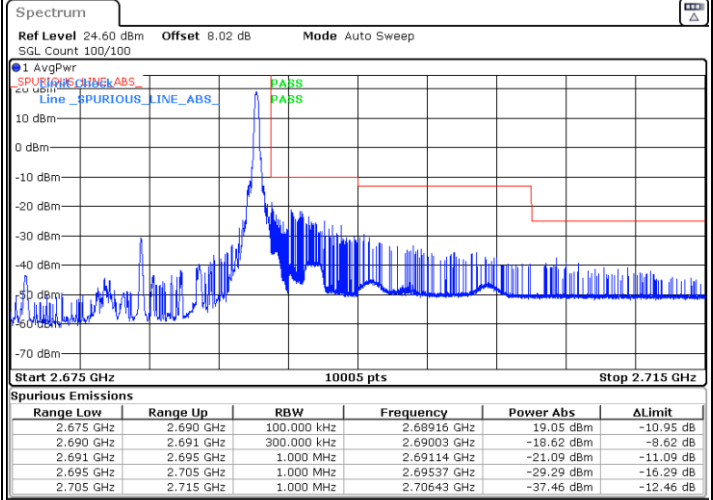


LTE Band 41 / 15MHz / QPSK

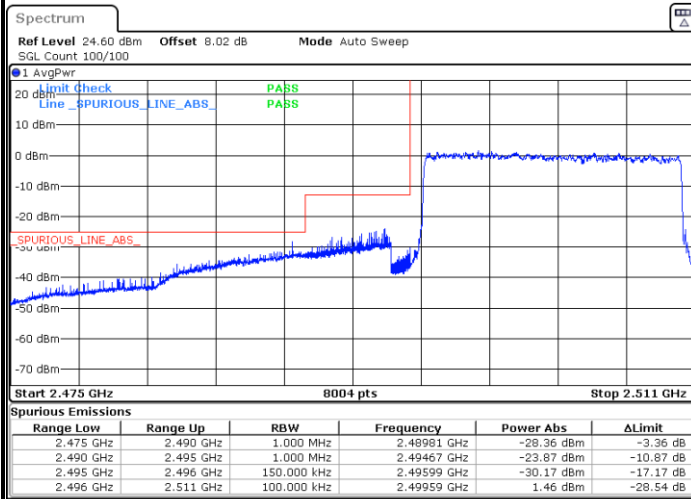
Lowest Band Edge / 1 RB



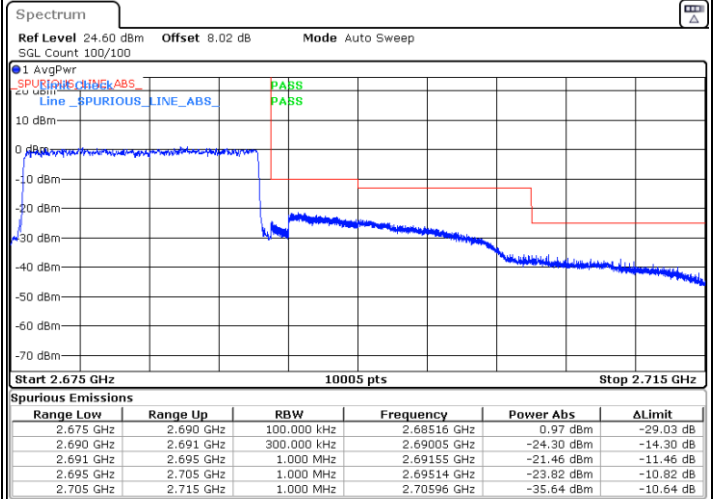
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



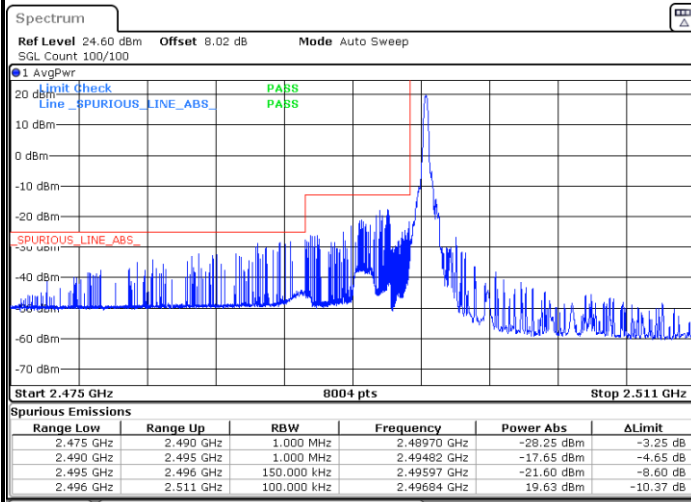
Highest Band Edge / Full RB



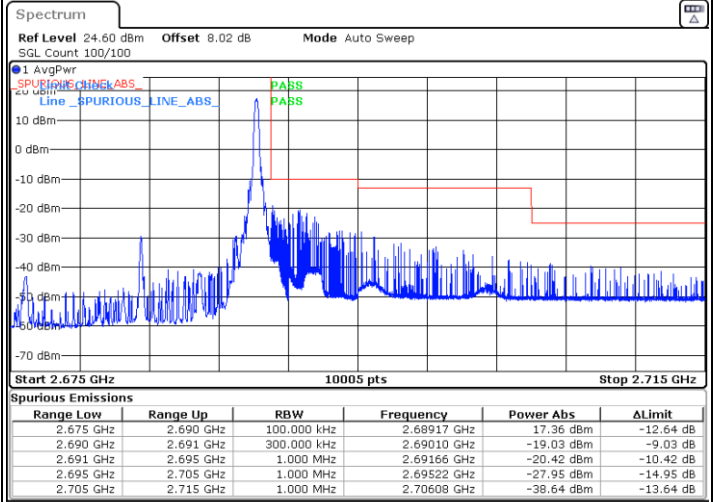


LTE Band 41 / 15MHz / 16QAM

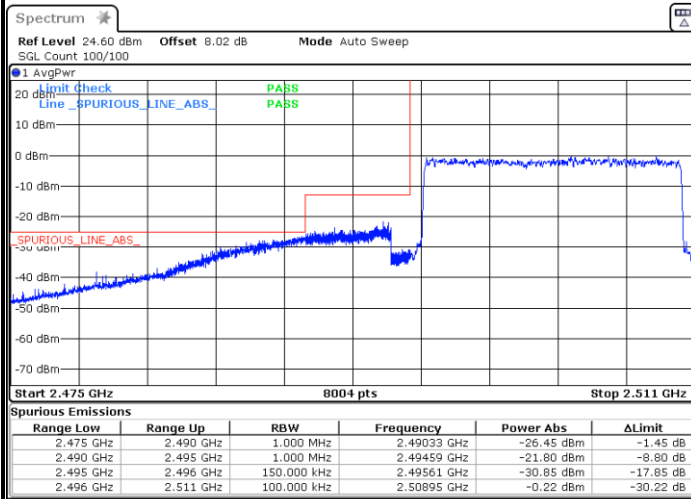
Lowest Band Edge / 1 RB



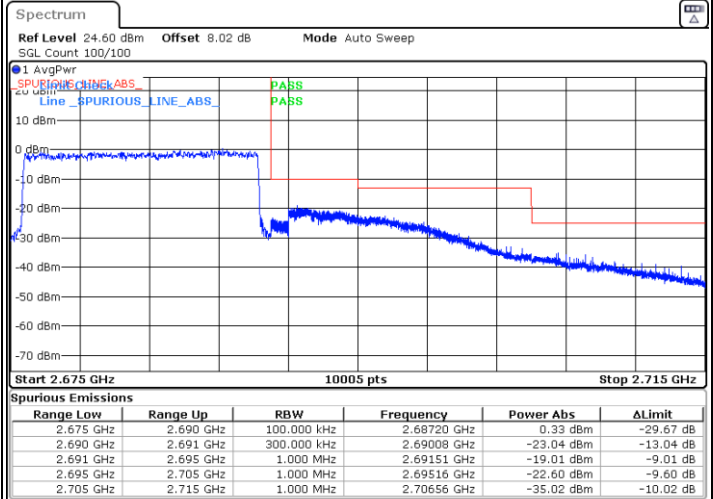
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



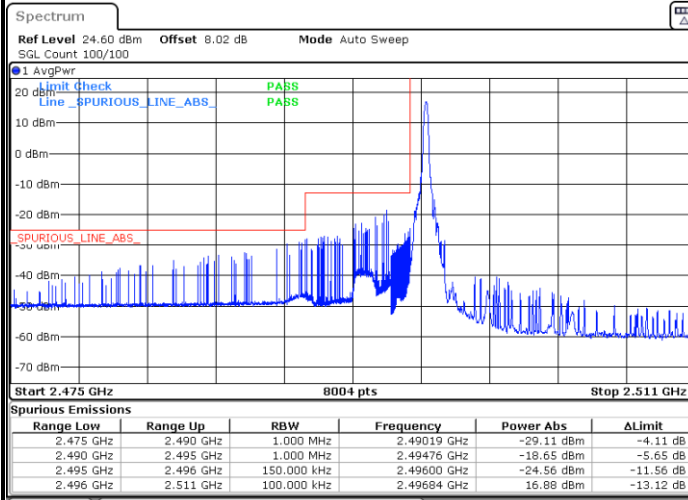
Highest Band Edge / Full RB



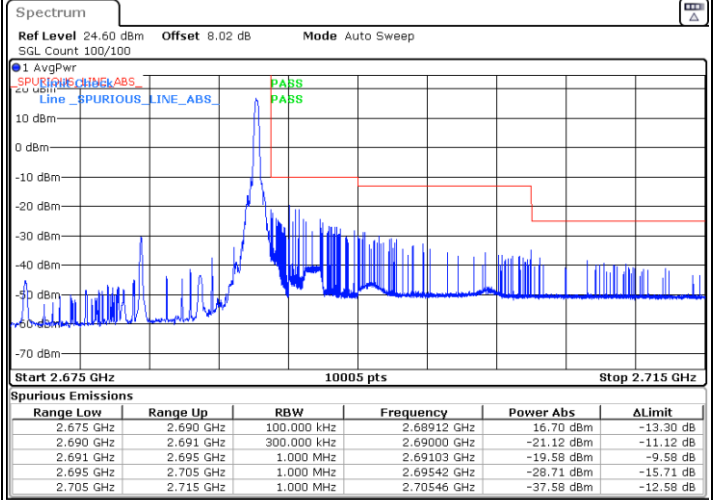


LTE Band 41 / 15MHz / 64QAM

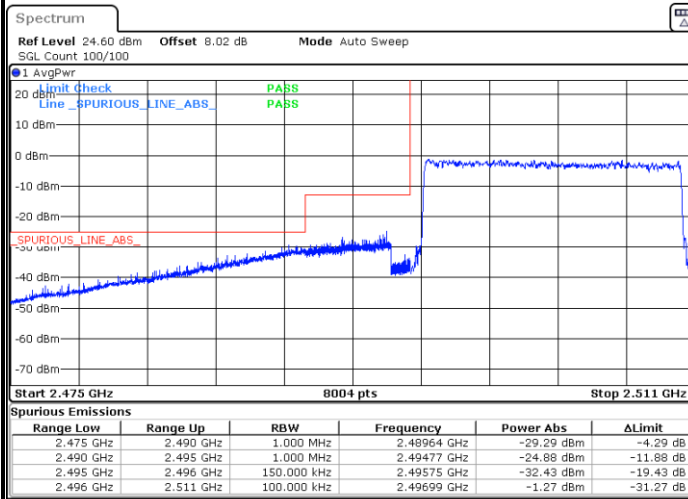
Lowest Band Edge / 1 RB



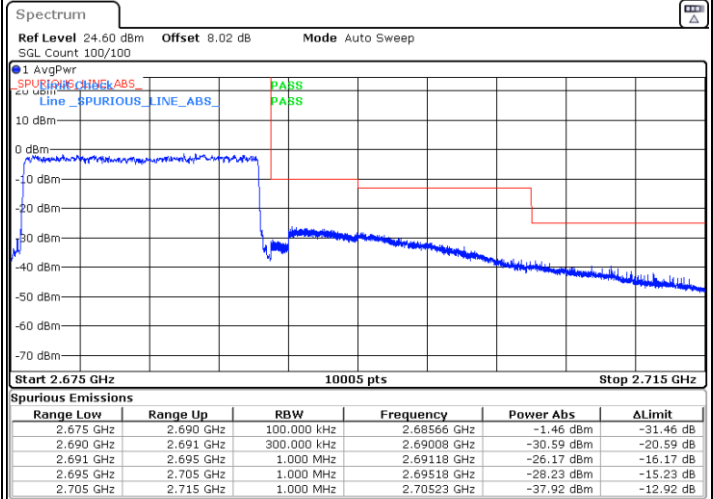
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



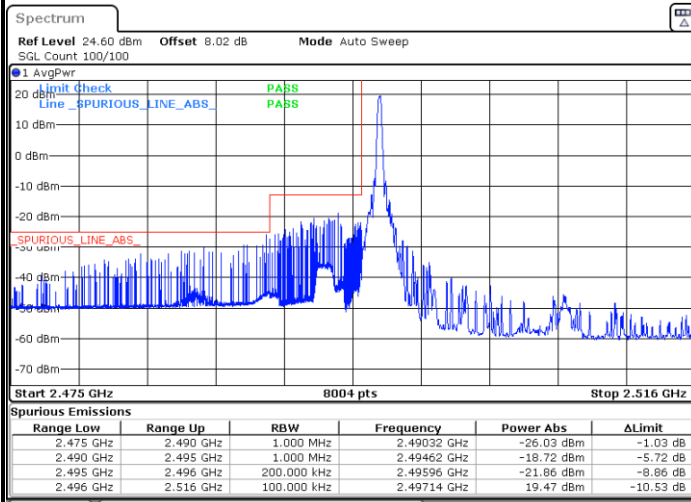
Highest Band Edge / Full RB



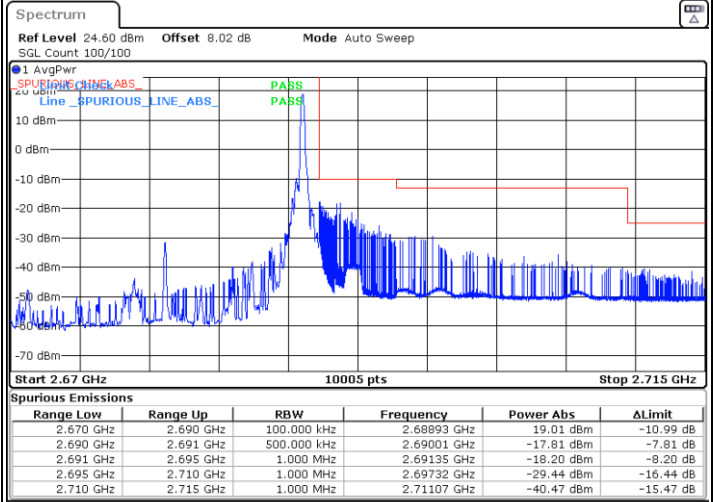


LTE Band 41 / 20MHz / QPSK

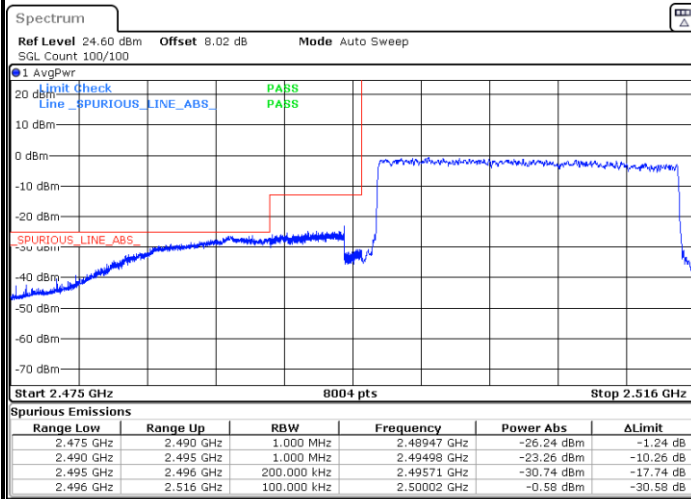
Lowest Band Edge / 1 RB



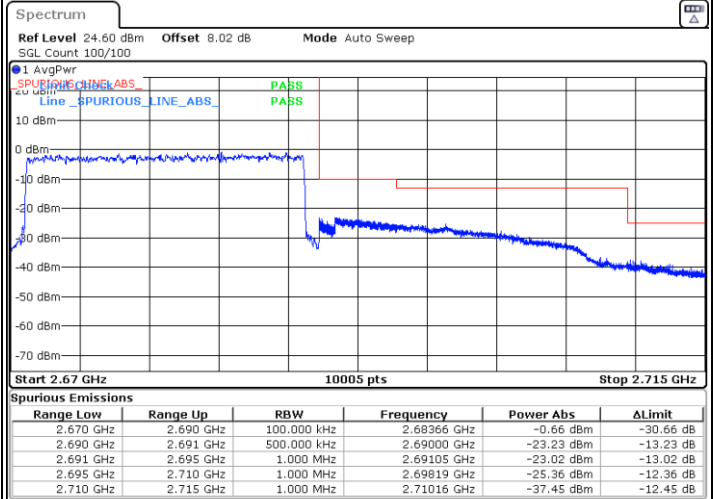
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



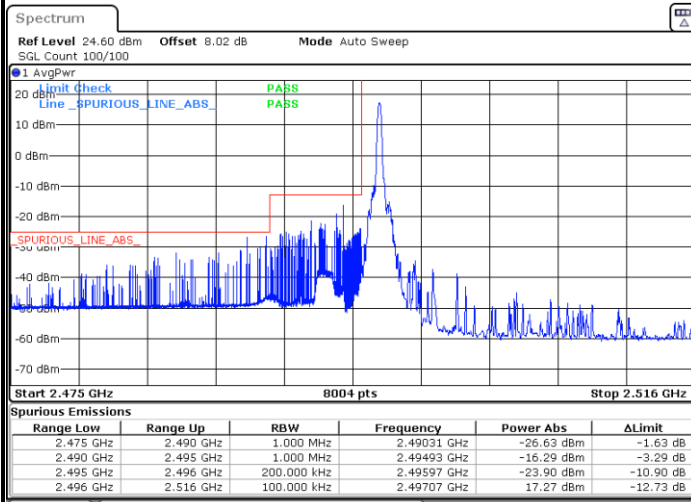
Highest Band Edge / Full RB



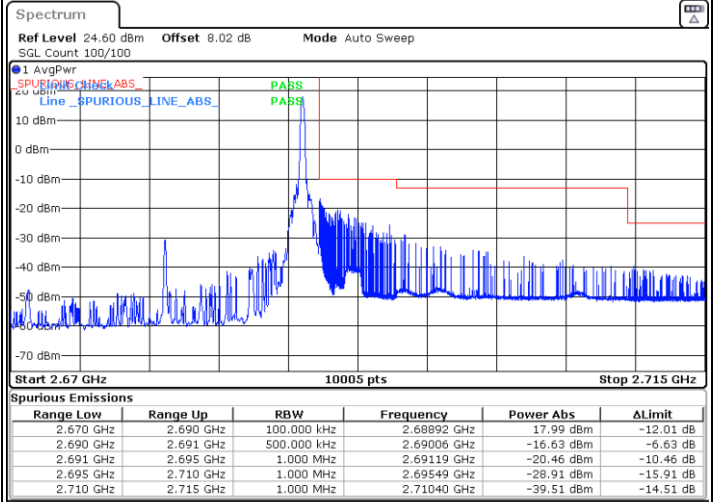


LTE Band 41 / 20MHz / 16QAM

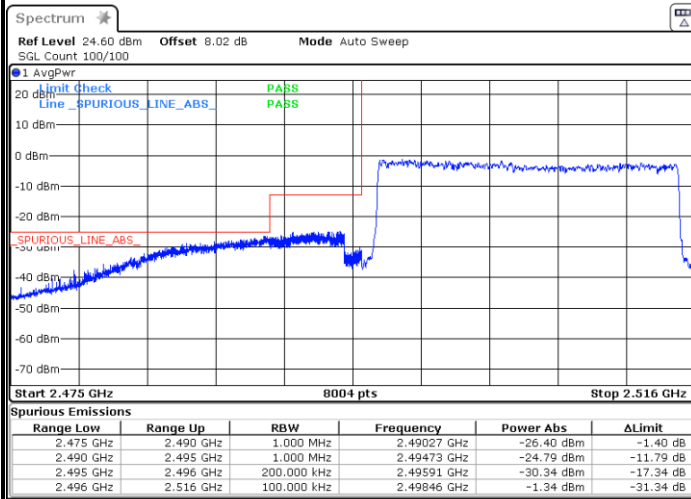
Lowest Band Edge / 1 RB



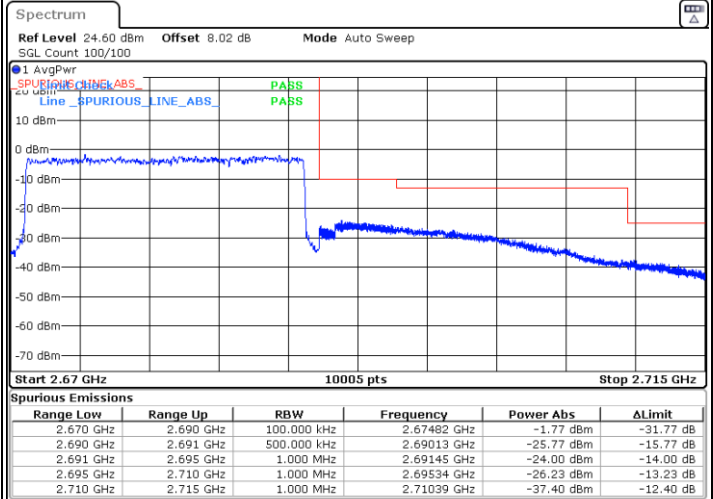
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



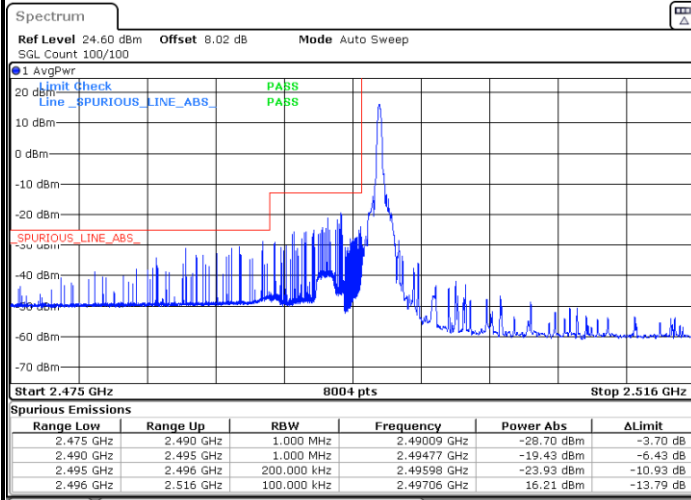
Highest Band Edge / Full RB



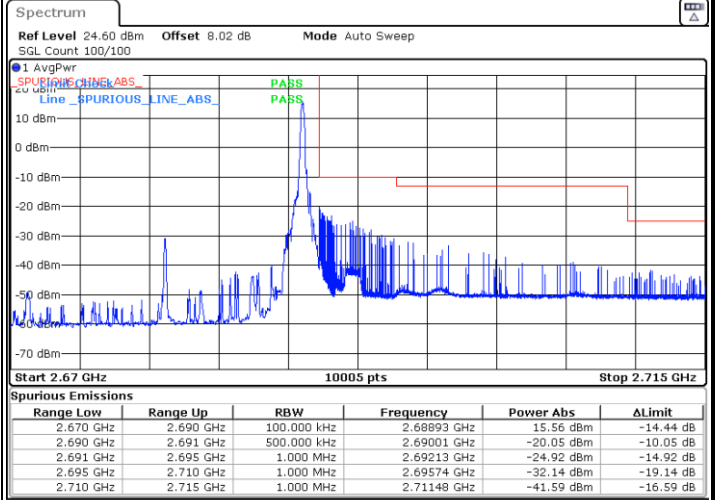


LTE Band 41 / 20MHz / 64QAM

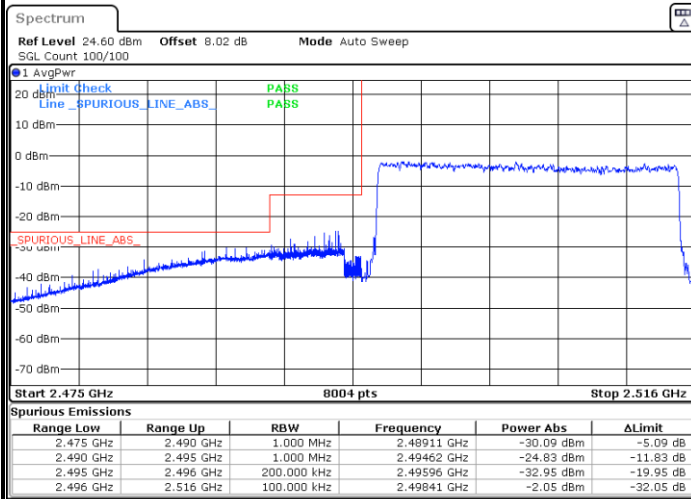
Lowest Band Edge / 1 RB



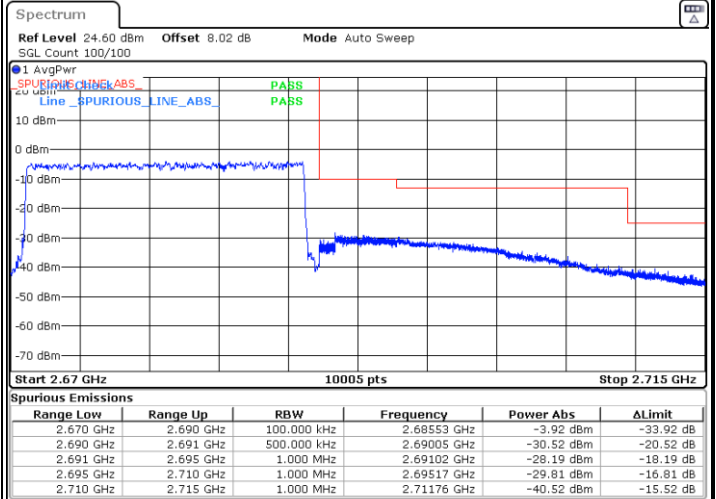
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

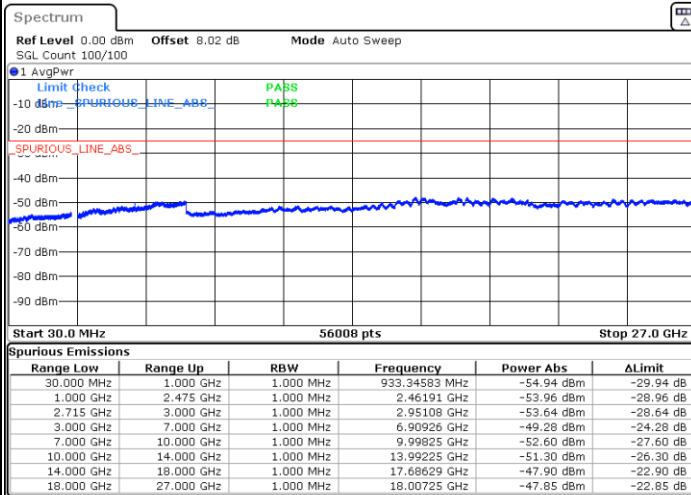




Conducted Spurious Emission

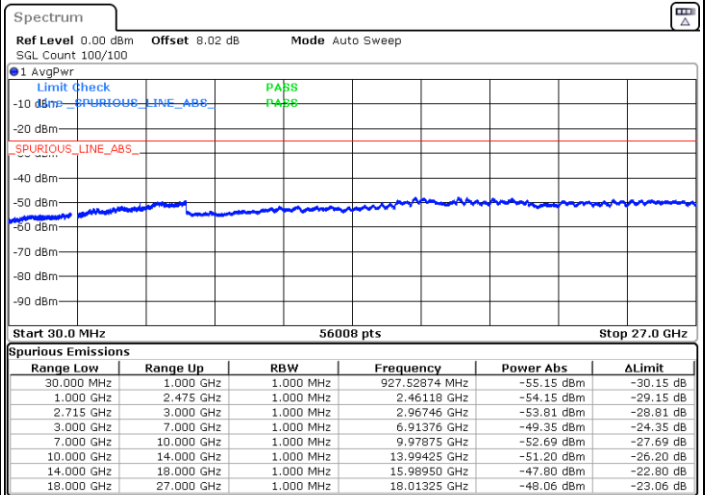
LTE Band 41 / 5MHz

Lowest Channel / QPSK



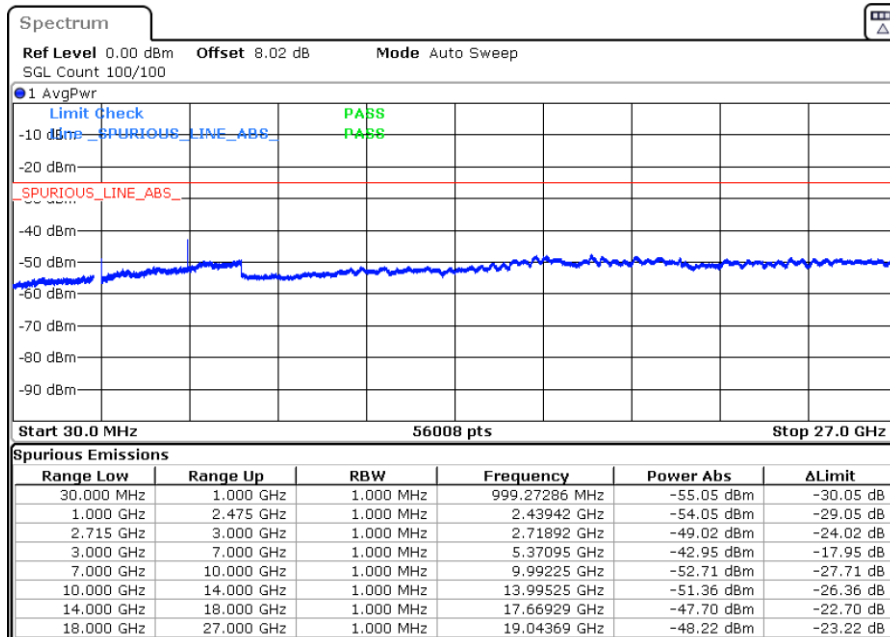
Date: 6.JAN.2022 12:51:52

Middle Channel / QPSK



Date: 6.JAN.2022 13:01:44

Highest Channel / QPSK

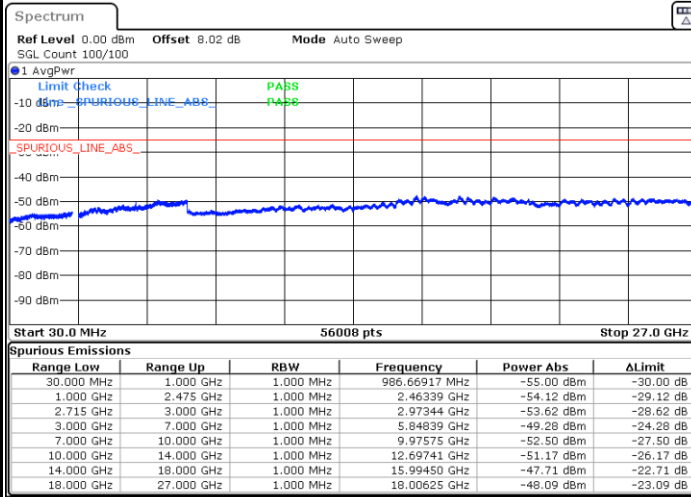


Date: 6.JAN.2022 13:03:27



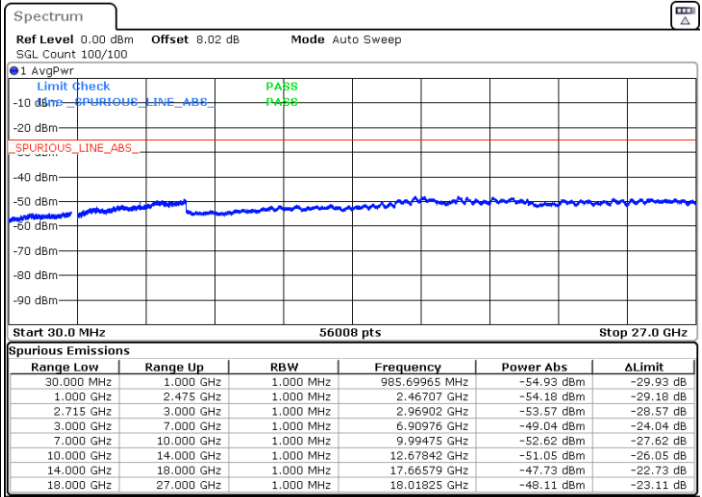
LTE Band 41 / 10MHz

Lowest Channel / QPSK



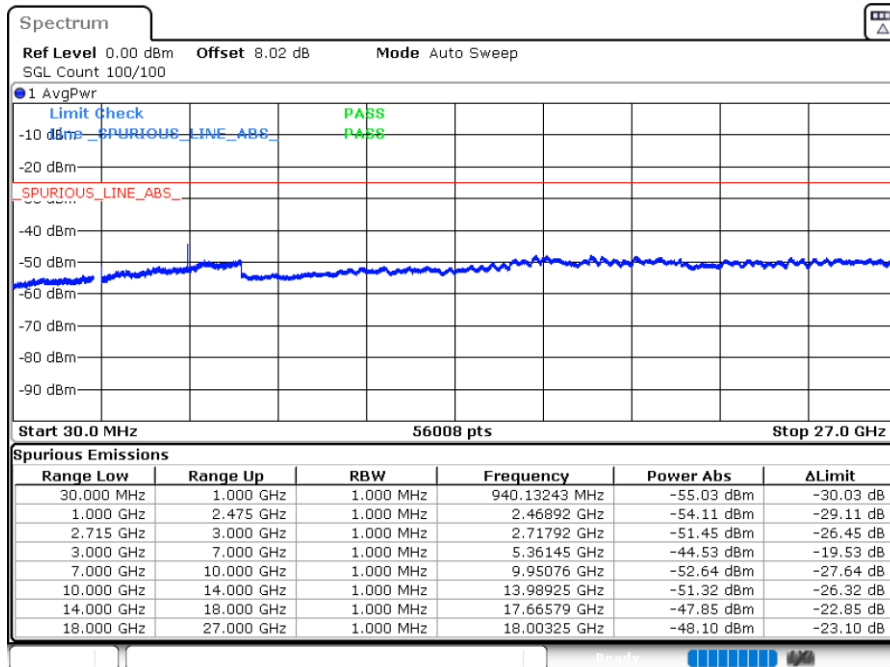
Date: 6.JAN.2022 13:13:27

Middle Channel / QPSK



Date: 6.JAN.2022 13:23:20

Highest Channel / QPSK

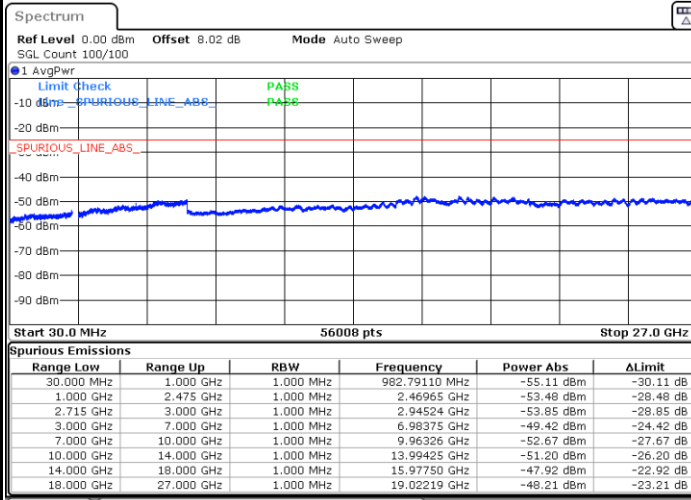


Date: 6.JAN.2022 13:25:02



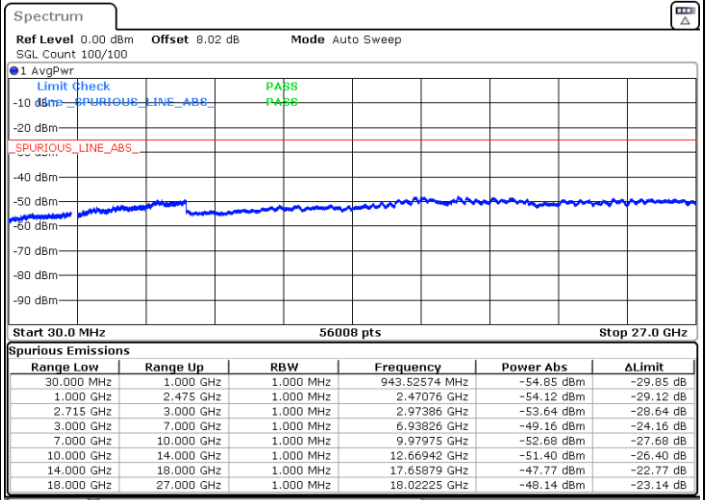
LTE Band 41 / 15MHz

Lowest Channel / QPSK



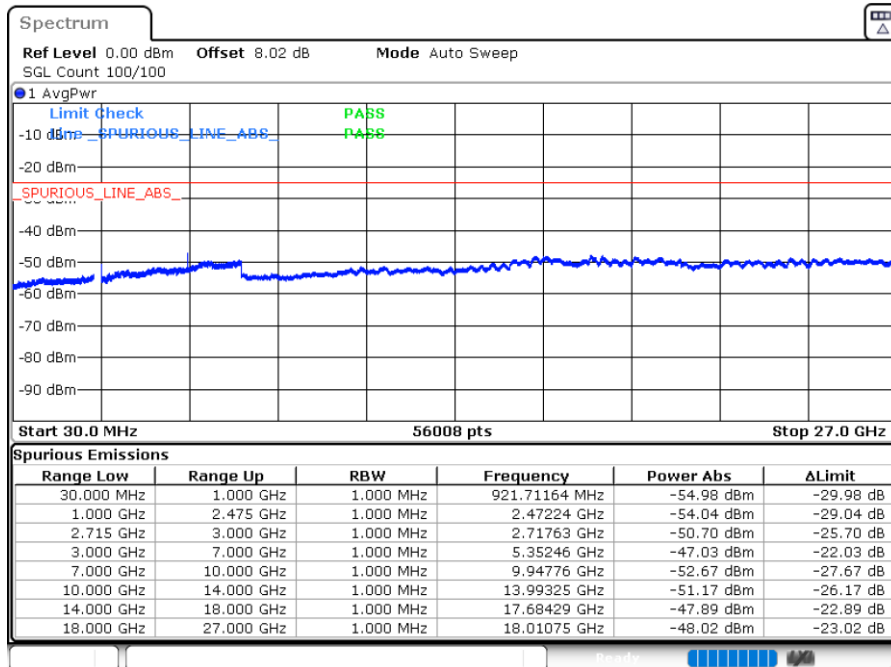
Date: 6.JAN.2022 13:35:03

Middle Channel / QPSK



Date: 6.JAN.2022 13:44:56

Highest Channel / QPSK

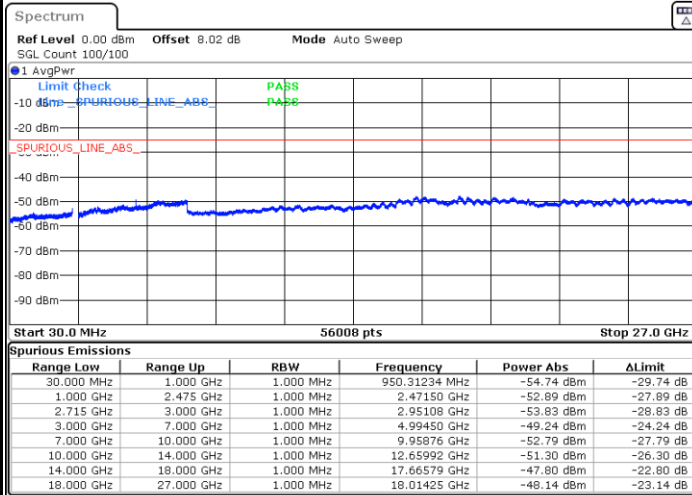


Date: 6.JAN.2022 13:46:38



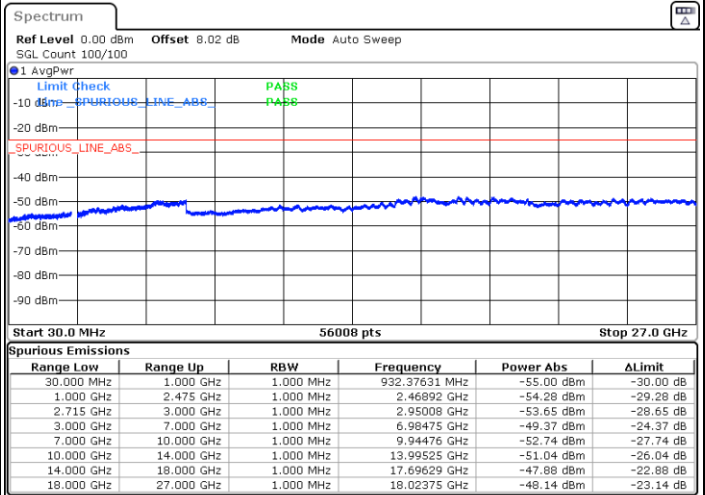
LTE Band 41 / 20MHz

Lowest Channel / QPSK



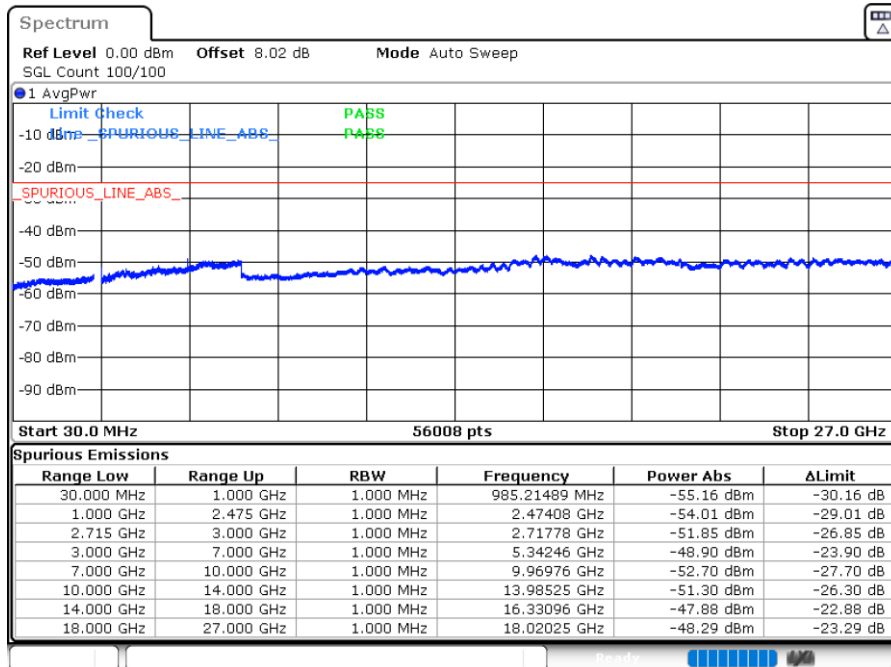
Date: 6.JAN.2022 13:56:39

Middle Channel / QPSK



Date: 6.JAN.2022 14:06:32

Highest Channel / QPSK



Date: 6.JAN.2022 14:08:14

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 4

LTE Band 4 / 20MHz / 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)
Lowest	3420	-56.25	-13	-43.25	-66.99	2.604	13.34	H
	5130	-54.03	-13	-41.03	-64.54	3.011	13.52	H
	6840	-53.48	-13	-40.48	-63.68	3.271	13.47	H
	3420	-57.46	-13	-44.46	-68.20	2.604	13.34	V
	5130	-53.78	-13	-40.78	-64.29	3.011	13.52	V
	6840	-53.71	-13	-40.71	-63.91	3.271	13.47	V
Middle	3444	-56.73	-13	-43.73	-67.47	2.604	13.34	H
	5169	-53.40	-13	-40.40	-63.91	3.011	13.52	H
	6894	-53.25	-13	-40.25	-63.45	3.271	13.47	H
	3444	-56.88	-13	-43.88	-67.62	2.604	13.34	V
	5169	-53.34	-13	-40.34	-63.85	3.011	13.52	V
	6894	-53.38	-13	-40.38	-63.58	3.271	13.47	V
Highest	3465	-57.24	-13	-44.24	-67.98	2.604	13.34	H
	5205	-53.56	-13	-40.56	-64.07	3.011	13.52	H
	6945	-53.94	-13	-40.94	-64.14	3.271	13.47	H
	3465	-57.54	-13	-44.54	-68.28	2.604	13.34	V
	5205	-53.91	-13	-40.91	-64.42	3.011	13.52	V
	6945	-53.65	-13	-40.65	-63.85	3.271	13.47	V

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

LTE Band 41

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	-38.87	-25	-13.87	-49.08	3.03	13.24	H
	7486	-61.94	-25	-36.94	-71.39	3.56	13.01	H
	9992	-56.65	-25	-31.65	-66.17	3.92	13.44	H
	12500	-55.08	-25	-30.08	-64.12	4.39	13.43	H
	14978	-53.35	-25	-28.35	-62.04	4.83	13.53	H
	4994	-37.00	-25	-12.00	-47.21	3.03	13.24	V
	7486	-62.47	-25	-37.47	-71.92	3.56	13.01	V
	9992	-55.52	-25	-30.52	-65.04	3.92	13.44	V
	12500	-55.89	-25	-30.89	-64.93	4.39	13.43	V
	14978	-52.83	-25	-27.83	-61.52	4.83	13.53	V
Middle	5162	-37.99	-25	-12.99	-48.20	3.03	13.24	H
	7752	-47.74	-25	-22.74	-57.19	3.56	13.01	H
	10342	-60.55	-25	-35.55	-70.07	3.92	13.44	H
	5162	-36.55	-25	-11.55	-46.76	3.03	13.24	V
	7752	-52.75	-25	-27.75	-62.20	3.56	13.01	V
	10342	-60.68	-25	-35.68	-70.20	3.92	13.44	V
Highest	5344	-46.20	-25	-21.20	-56.41	3.03	13.24	H
	8018	-56.06	-25	-31.06	-65.51	3.56	13.01	H
	10678	-56.34	-25	-31.34	-65.86	3.92	13.44	H
	13352	-58.67	-25	-33.67	-67.71	4.39	13.43	H
	16026	-37.33	-25	-12.33	-46.02	4.83	13.53	H
	5344	-43.91	-25	-18.91	-54.12	3.03	13.24	V
	8018	-59.30	-25	-34.30	-68.75	3.56	13.01	V
	10678	-55.24	-25	-30.24	-64.76	3.92	13.44	V
	13352	-59.27	-25	-34.27	-68.31	4.39	13.43	V
	16026	-39.30	-25	-14.30	-47.99	4.83	13.53	V

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

————THE END————