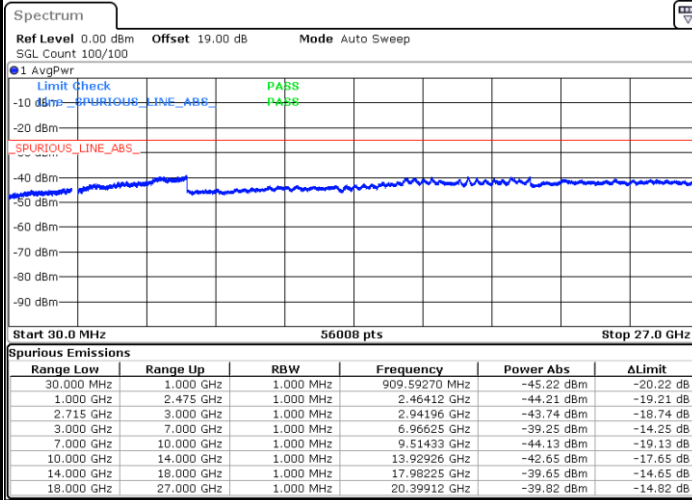




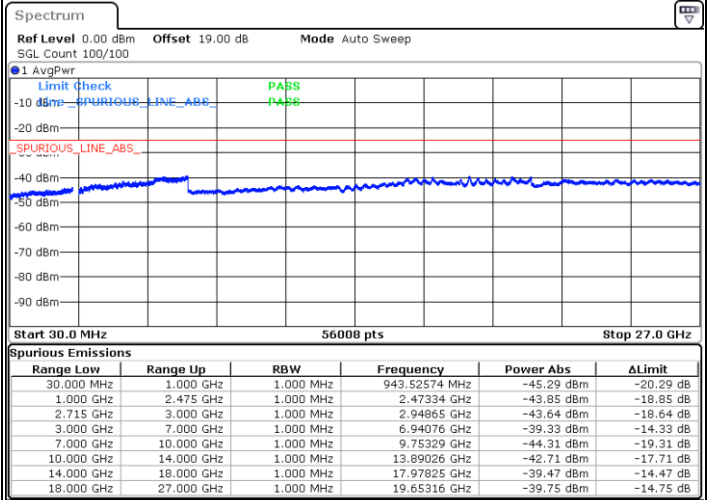
LTE Band 41 / 20MHz

Middle Channel / QPSK



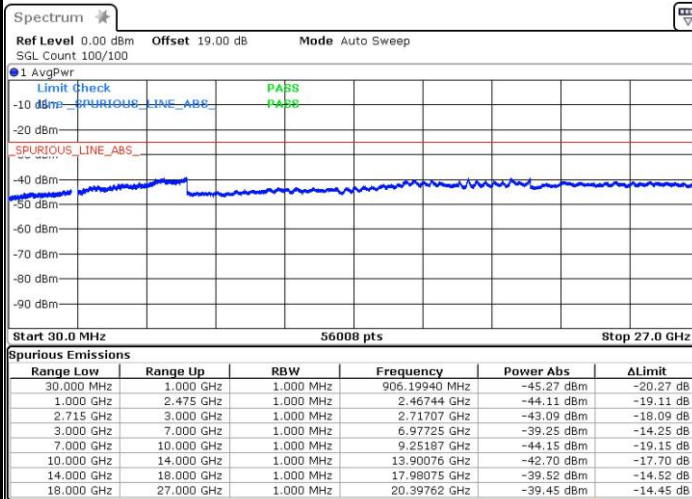
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Middle Channel / 16QAM



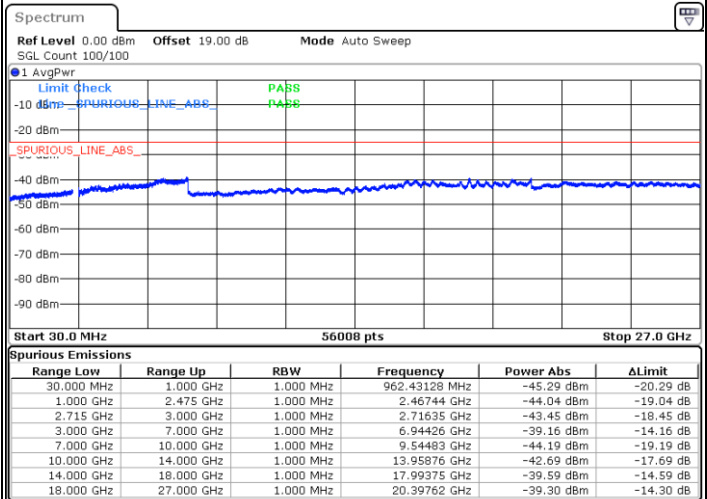
Date: 2.FEB.2021 15:03:44

Highest Channel / QPSK



Date: 2.FEB.2021 15:04:35

Highest Channel / 16QAM

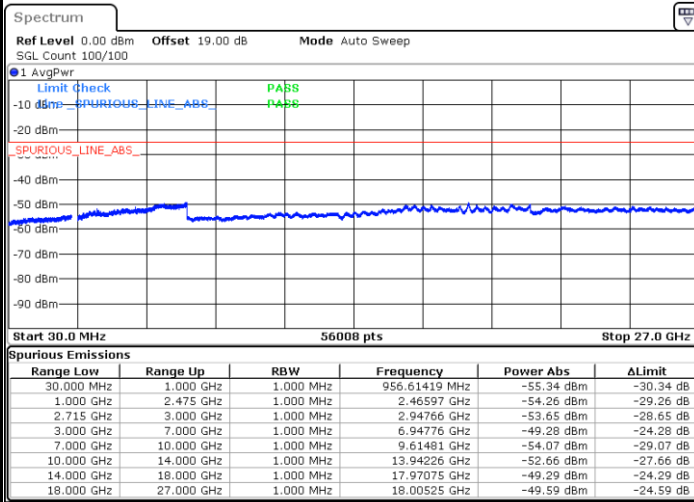


Date: 2.FEB.2021 15:05:33



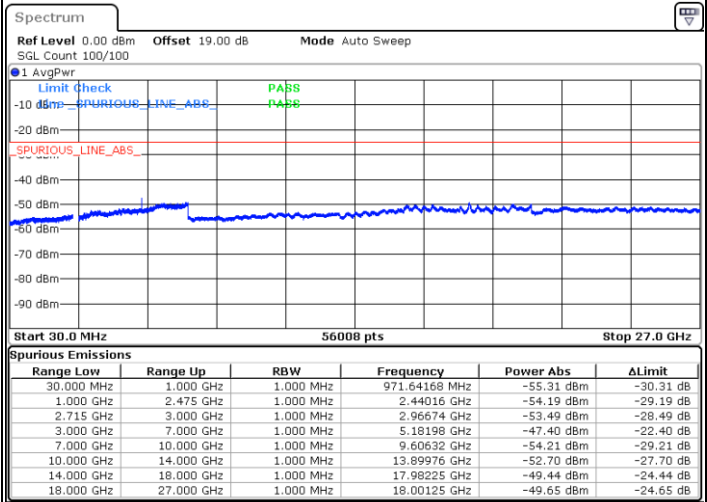
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



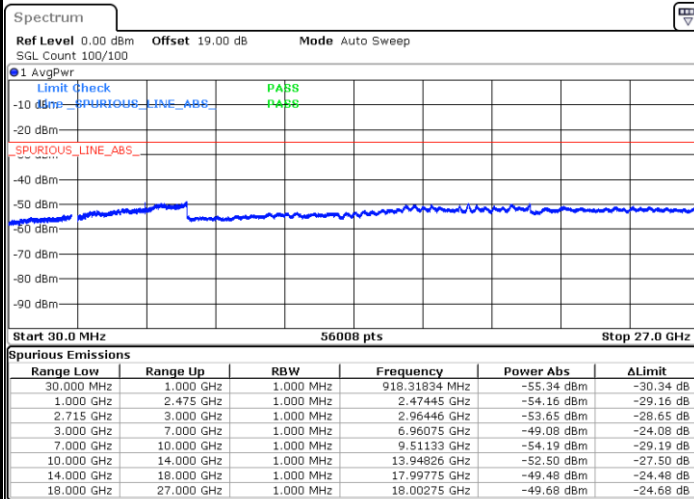
Date: 2.FEB.2021 14:43:35

Middle Channel / 64QAM



Date: 2.FEB.2021 14:44:26

Highest Channel / 64QAM

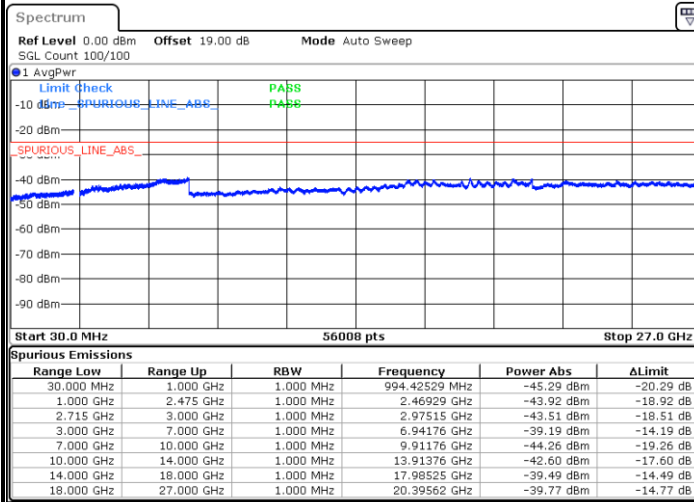


Date: 2.FEB.2021 14:45:16



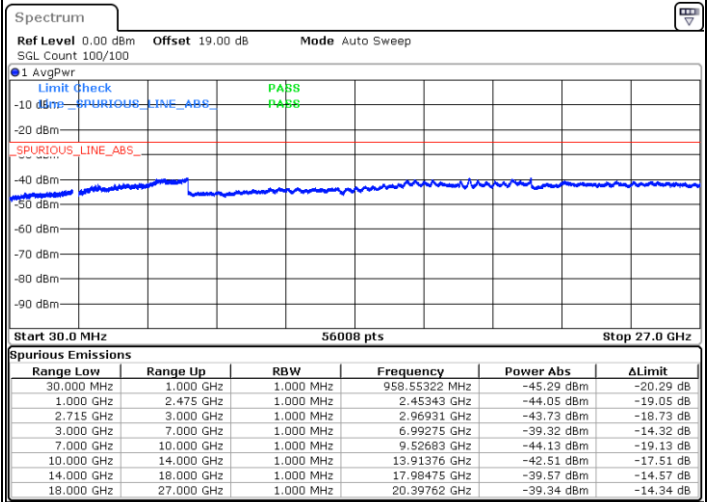
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



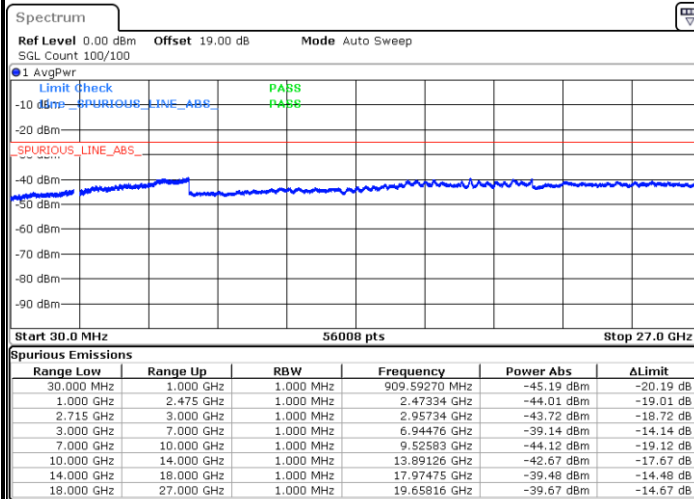
Date: 2.FEB.2021 14:46:07

Middle Channel / 64QAM



Date: 2.FEB.2021 14:46:57

Highest Channel / 64QAM

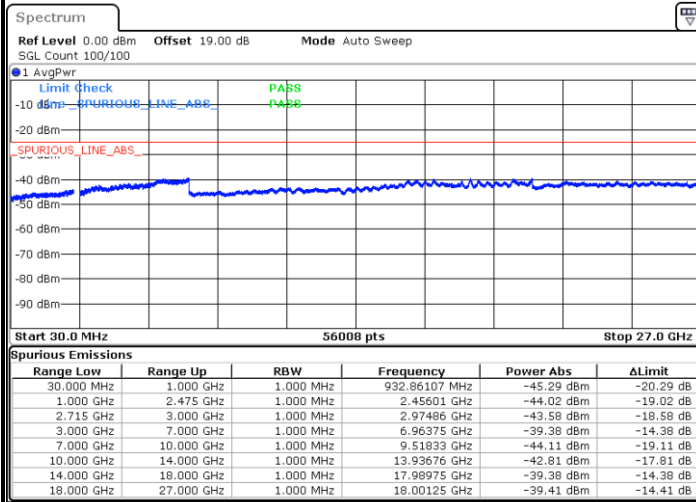


Date: 2.FEB.2021 14:47:47



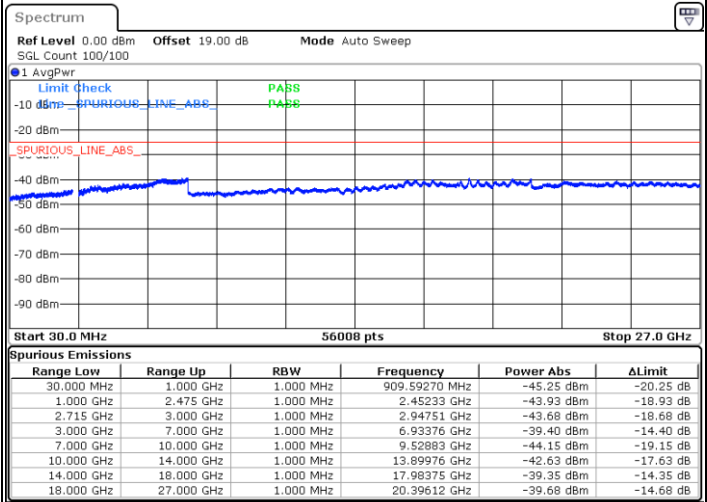
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



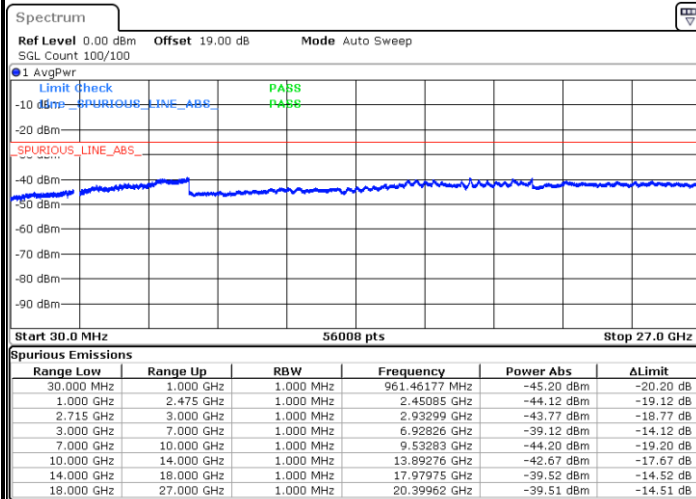
Date: 2.FEB.2021 14:58:42

Middle Channel / 64QAM



Date: 2.FEB.2021 14:59:32

Highest Channel / 64QAM

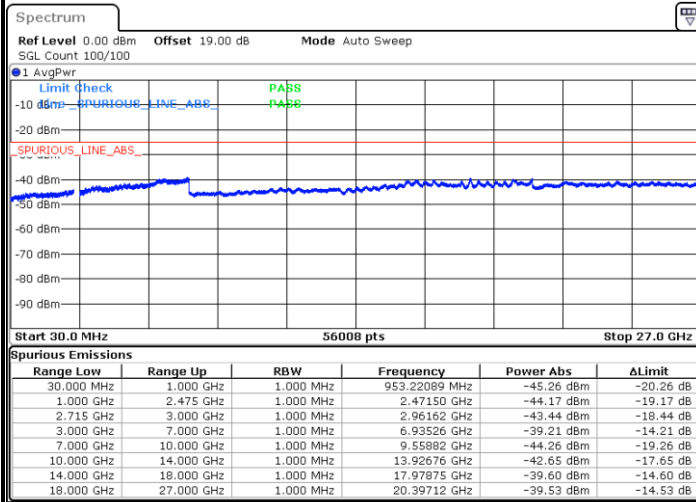


Date: 2.FEB.2021 15:00:23



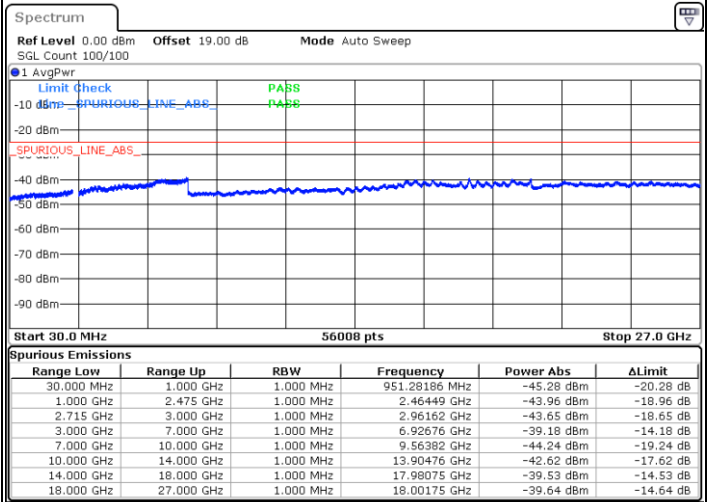
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



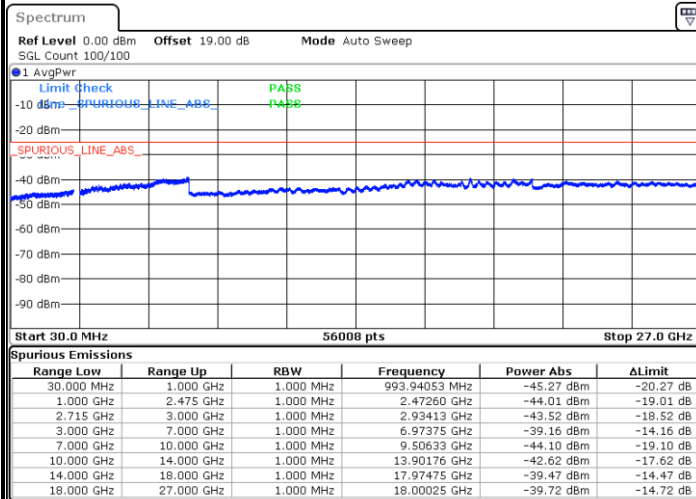
Date: 2.FEB.2021 15:06:23

Middle Channel / 64QAM



Date: 2.FEB.2021 15:07:14

Highest Channel / 64QAM



Date: 2.FEB.2021 15:08:04

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	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-56.62	-13	-43.62	-60.46	-63.37	5.85	12.60	H
	5613.27	-54.46	-13	-41.46	-64.12	-60.26	7.30	13.10	H
	7484.36	-52.24	-13	-39.24	-66.51	-55.39	8.35	11.50	H
	3742.18	-56.60	-13	-43.60	-60.33	-63.35	5.85	12.60	V
	5613.27	-55.09	-13	-42.09	-64.61	-60.89	7.30	13.10	V
	7484.36	-51.90	-13	-38.90	-66.2	-55.05	8.35	11.50	V

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

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-66.21	-13	-53.21	-61.24	-69.46	4.00	9.40	H
	2496.27	-62.63	-13	-49.63	-61.10	-66.20	4.88	10.60	H
	3328.36	-61.79	-13	-48.79	-63.42	-66.72	5.52	12.60	H
	1664.18	-65.78	-13	-52.78	-60.64	-69.03	4.00	9.40	V
	2496.27	-63.50	-13	-50.50	-62.31	-67.07	4.88	10.60	V
	3328.36	-61.03	-13	-48.03	-62.97	-65.96	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-56.29	-25	-31.29	-64.30	-61.85	7.14	12.70	H
	7578.27	-45.37	-25	-20.37	-59.28	-48.67	8.30	11.60	H
	10104.36	-48.30	-25	-23.30	-68.98	-49.82	10.48	12.00	H
	5052.18	-56.20	-25	-31.20	-64.4	-61.76	7.14	12.70	V
	7578.27	-42.90	-25	-17.90	-56.99	-46.20	8.30	11.60	V
	10104.36	-48.20	-25	-23.20	-68.54	-49.72	10.48	12.00	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1659.5	-61.24	-13	-48.24	-56.26	-64.49	4.00	9.40	H
	2489.25	-64.47	-13	-51.47	-62.90	-68.04	4.88	10.60	H
	3319	-61.17	-13	-48.17	-62.84	-66.10	5.52	12.60	H
	1659.5	-64.22	-13	-51.22	-59.05	-67.47	4.00	9.40	V
	2489.25	-64.01	-13	-51.01	-62.81	-67.58	4.88	10.60	V
	3319	-60.87	-13	-47.87	-62.81	-65.80	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-56.14	-25	-31.14	-64.55	-61.70	7.14	12.70	H
	7752.27	-44.60	-25	-19.60	-59.17	-47.90	8.30	11.60	H
	10336.36	-47.39	-25	-22.39	-68.65	-48.91	10.48	12.00	H
	5168.18	-56.06	-25	-31.06	-64.34	-61.62	7.14	12.70	V
	7752.27	-46.76	-25	-21.76	-61.5	-50.06	8.30	11.60	V
	10336.36	-47.99	-25	-22.99	-69.19	-49.51	10.48	12.00	V

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