

Test Report

Report No.: MTi220225001-01E2
Date of issue: 2022-07-25
Applicant: Promaster Electronic LLC
Product name: GPS TRACKER
Model(s): AVT-200, APT-100, APT-110, APT-120,
AVT-210
FCC ID: 2A6P9-AUTOSKYUS

Shenzhen Microtest Co., Ltd.
<http://www.mtitest.com>

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2. The test results of this report are only responsible for the samples submitted;
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TEST RESULT CERTIFICATION	
Applicant's name	Promaster Electronic LLC
Address	25511 Budde Rd, Ste 1602, The Woodlands, Texas, 77380, USA
Manufacturer's Name	Promaster Electronic LLC
Address	25511 Budde Rd, Ste 1602, The Woodlands, Texas, 77380, USA
Product description	
Product name	GPS TRACKER
Trademark	AUTOSKY
Model Name	AVT-200
Serial Model	APT-100, APT-110, APT-120, AVT-210
Standards	FCC CFR 47 Part 22H FCC CFR 47 Part 24E FCC CFR 47 Part 27
Test procedure	ANSI C63.26:2015 ANSI/TIA-603-E-2016 KDB 971168 D01 Power Meas License Digital Systems v03r01
Date of Test	
Date (s) of performance of tests	2022-06-14 ~2022-07-25
Test Result	Pass
This device described above has been tested by Shenzhen Microtest Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.	

Testing Engineer

:

Eugene Qiu

(Eugene Qiu)

Technical Manager

:

Leon Chen

(Leon Chen)

Authorized Signatory

:

Tom Xue

(Tom Xue)

1 General information

1.1 Feature of equipment under test (EUT)

Product name:	GPS TRACKER
Model name:	AVT-200
Serial model:	APT-100, APT-110, APT-120, AVT-210
Difference in series models:	All the models are the same circuit and RF module, except the model name and plastic casings.
Operating frequency range:	LTE FDD Band 2: 1850.7 – 1909.3MHz LTE TDD Band 4: 1710.7 – 1754.3MHz LTE FDD Band 5: 824.7 – 848.3MHz LTE TDD Band 66: 1710.7 – 1779.3MHz
Modulation type:	QPSK,16QAM
Antenna type:	FPC Antenna
Antenna gain:	Band 2 Gain: 1.5dBi Band 4 Gain: 1.5dBi Band 5 Gain: 0.8dBi Band 66 Gain: 1.5dBi
Power supply:	Input: DC 12V/24V Battery: DC 3.7V 0.55Wh 150mAh
Adapter information:	N/A
Hardware Version:	G101S-4G_V1.1
Software Version:	A101_4G_NM_Apr 22 2022 153027
EUT serial number:	MTi220225001-01-S0001



1.2 Test frequency channel

LTE Band 2		Test Frequency ID	Bandwidth [MHz]	N_{UL}	Frequency of Uplink [MHz]	N_{DL}	Frequency of Downlink [MHz]
		Low Range	1.4	18607	1850.7	607	1930.7
			3	18615	1851.5	615	1931.5
			5	18625	1852.5	625	1932.5
			10	18650	1855	650	1935
			15 ^[1]	18675	1857.5	675	1937.5
			20 ^[1]	18700	1860	700	1940
		Mid Range	1.4/3/5/10 15 ^[1] /20 ^[1]	18900	1880	900	1960
		High Range	1.4	19193	1909.3	1193	1989.3
			3	19185	1908.5	1185	1988.5
			5	19175	1907.5	1175	1987.5
			10	19150	1905	1150	1985
			15 ^[1]	19125	1902.5	1125	1982.5
			20 ^[1]	19100	1900	1100	1980
		NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.					
LTE Band 4		Test Frequency ID	Bandwidth [MHz]	N_{UL}	Frequency of Uplink [MHz]	N_{DL}	Frequency of Downlink [MHz]
		Low Range	1.4	19957	1710.7	1957	2110.7
			3	19965	1711.5	1965	2111.5
			5	19975	1712.5	1975	2112.5
			10	20000	1715	2000	2115
			15	20025	1717.5	2025	2117.5
			20	20050	1720	2050	2120
		Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
		High Range	1.4	20393	1754.3	2393	2154.3
			3	20385	1753.5	2385	2153.5
			5	20375	1752.5	2375	2152.5
			10	20350	1750	2350	2150
			15	20325	1747.5	2325	2147.5
			20	20300	1745	2300	2145
LTE Band 5		Test Frequency ID	Bandwidth [MHz]	N_{UL}	Frequency of Uplink [MHz]	N_{DL}	Frequency of Downlink [MHz]
		Low Range	1.4	20407	824.7	2407	869.7
			3	20415	825.5	2415	870.5
			5	20425	826.5	2425	871.5
			10 ^[1]	20450	829	2450	874
		Mid Range	1.4/3/5 10 ^[1]	20525	836.5	2525	881.5
		High Range	1.4	20643	848.3	2643	893.3
			3	20635	847.5	2635	892.5
			5	20625	846.5	2625	891.5
			10 ^[1]	20600	844	2600	889
		NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.					
LTE Band 66		Test Frequency ID	Bandwidth [MHz]	N_{UL}	Frequency of Uplink [MHz]	N_{DL}	Frequency of Downlink [MHz]
		Low Range	1.4	131979	1710.7	66443	2110.7
			3	131987	1711.5	66451	2111.5
			5	131997	1712.5	66461	2112.5
			10	132022	1715	66486	2115
			15	132047	1717.5	66511	2117.5
			20	132072	1720	66536	2120
		Mid Range Tx ¹	1.4/3/5/10/15/20	132322	1745	66786	2145



Paired High Range ²	1.4	132665	1779.3	67129	2179.3
	3	132657	1778.5	67121	2178.5
	5	132647	1777.5	67111	2177.5
	10	132622	1775	67086	2175
	15	132597	1772.5	67061	2172.5
	20	132572	1770	67036	2170



1.3 EUT operation mode

LTE band 2	Keep the EUT in data communicating mode on LTE band2. (LTE band2(1.4MHz), LTE band2(3MHz), LTE band2(5MHz), LTE band2(10MHz), band2(15MHz), band2(20MHz)
LTE band 4	Keep the EUT in data communicating mode on LTE band4. (LTE band4(1.4MHz), LTE band4(3MHz), LTE band4(5MHz), LTE band4(10MHz), band4(15MHz), band4(20MHz)
LTE band 5	Keep the EUT in data communicating mode on LTE band5. (LTE band5(1.4MHz), LTE band5(3MHz), LTE band5(5MHz), LTE band5(10MHz)
LTE band 66	Keep the EUT in data communicating mode on LTE band66. (LTE band66(1.4MHz), LTE band66(3MHz), LTE band66(5MHz), LTE band66(10MHz), LTE band66(15MHz), LTE band66(20MHz)
Note: Only the worst case data were shown in the report.	

1.4 Ancillary equipment list

Equipment	Model	S/N	Manufacturer	Certificate type
/	/	/	/	/



2 Summary of test results

Item	FCC Part No.	Description of Test	Result
1	Part 2.1046 Part 22.913(a)(2) Part 24.232(c) Part 27.50 (c)(10) Part 27.50 (d)(4)	RF Output Power	Pass*
2	Part 22.913(a) Part 24.232(c) Part 27.50(c)(10) Part 27.50(d)(4)	Radiated Power (ERP/EIRP)	Pass*
3	Part 24.232(c) Part 27.50(d)(5)	Peak-to-Average Ratio	Pass*
4	Part 2.1049 Part 22.917(b) Part 24.238(b) Part 27.53(g) Part 27.53(h)	99% and -26 dB Occupied Bandwidth	Pass*
5	Part 2.1051 Part 22.917(a) Part 24.238(a) Part 27.53 (g)(h)	Spurious emissions at antenna terminals	Pass
6	Part 2.1051 Part 22.917(b) Part 24.238(b) Part 27.53(c)(2)(4) Part 27.53(g) Part 27.53(h)	Band edge at antenna terminals	Pass*
7	Part 2.1053 Part 22.917(a) Part 24.238(a) Part 27.53 (g) Part 27.53 (h)	Field strength of spurious radiation measurement	Pass*
8	Part 22.355 Part 24.235 Part 27.54 Part 2.1055(a)(1)(b) Part 2.1055(d)(2)	Frequency Stability for Temperature & Voltage	Pass*

Note:

*reference to the module which FCC ID is 2AJYU-8BAE002



3 Test facilities and accreditations

3.1 Test laboratory

Test Laboratory	Shenzhen Microtest Co., Ltd
Location	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao' an District, Shenzhen, Guangdong, China.
FCC Registration No.:	448573

3.2 Environmental conditions

Temperature:	15°C~35°C
Humidity	20%~75%
Atmospheric pressure	98kPa~101kPa

3.3 Measurement uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, $U=2 \times U_c(y)$

Radiated emission(30MHz~1GHz)	± 4.2 dB
Radiated emission (above 1GHz)	± 4.3 dB
Temperature	± 1 degree
Humidity	± 5 %

3.4 Test software

Software Name	Manufacturer	Model	Version
LTE	Shenzhen JS tonscond co.,ltd	JS1120-1	2.6.8.0518

4 LIST OF TEST EQUIPMENT

Equipment No.	Equipment Name	Manufacturer	Model	Serial No.	Calibration date	Due date
MTI-E043	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2022/05/03	2023/05/02
MTI-E044	TRILOG Broadband Antenna	schwarzeck	VULB 9163	9163-1338	2021/05/30	2023/05/29
MTI-E047	Amplifier	Hewlett-Packard	8447F	3113A06150	2022/05/03	2023/05/02
MTI-E089	ESG Vector Signal Generator	Agilent	N5182A	MY49060455	2022/05/03	2023/05/02
MTI-E058	ESG Series Analog Signal Generator	Agilent	E4421B	GB40051240	2022/05/03	2023/05/02
MTI-E062	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2022/05/03	2023/05/02
MTI-E066	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2022/05/03	2023/05/02
MTI-E078	Synthesized Sweeper	Agilent	83752A	3610A01957	2022/05/03	2023/05/02
MTI-E079	DC Power Supply	Agilent	E3632A	MY40027695	2022/05/03	2023/05/02
MTI-E045	Double Ridged Broadband Horn Antenna	schwarzeck	BBHA 9120D	9120D-2278	2021/05/30	2023/05/29
MTI-E021	EMI Test Receiver	Rohde&schwarz	ESCS30	100210	2022/05/03	2023/05/02
MTI-E022	Pulse Limiter	Schwarzeck	VSTD 9561-F	00679	2022/05/03	2023/05/02
MTI-E023	Artificial mains network	Schwarzeck	NSLK 8127	NSLK 8127 #841	2022/05/03	2023/05/02
MTI-E046	Active Loop Antenna	Schwarzeck	FMZB 1519B	00044	2021/05/30	2023/05/29
MTI-E048	Amplifier	Agilent	8449B	3008A02400	2022/05/03	2023/05/02
MTI-E072	Thermometer Clock Humidity Monitor	-	HTC-1	/	2022/05/03	2023/05/02
MTI-E057	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2022/05/03	2023/05/02
Note: the calibration interval of the above test instruments is 12 or 24 months and the calibrations are traceable to international system unit (SI).						

5 Test result

5.1 Radiated Power (ERP/EIRP)

5.1.1 Limit

According to Part 22.913(a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

According to Part 24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to Part 27.50(c), portable stations (hand-held devices) in the 600 MHz uplink Band and the 698-746 MHz Band, and fixed and mobile stations in the 600 MHz uplink Band are limited to 3 watts ERP.

According to Part 27.50(d), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz Band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz Bands are limited to 1 watt EIRP.

5.1.2 Test procedure

1. According to the power tested in section 5.1, select the maximum power in each mode, and use the following formula to calculate the corresponding ERP/EIRP.
2. $ERP = \text{conducted power} + \text{Gain(dBd)}$
3. $EIRP = \text{conducted power} + \text{Gain(dBi)}$

5.1.3 5.1.3 Test results

Please refer to appendix A ERP-EIRP



5.2 Field strength of spurious radiation measurement

5.2.1 Limit

LTE Band 2/4/5/12/13/17/25/26/66/71: -13dBm;

LTE Band 7/38/41: -25dBm

5.2.2 Test procedure

1. Place the EUT in the center of the turntable.
 - a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
 - b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
2. Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
4. Receiver or Spectrum set as follow:

Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto

Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
5. Each emission under consideration shall be evaluated:
 - a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
 - b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
 - c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
 - d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
 - e) Record the measured emission amplitude level and frequency



6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
7. Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
10. For each emission that was detected and measured in the initial test
 - a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
 - b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
 - c) Record the output power level of the signal generator when equivalence is achieved in step b).
11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:
$$P_e = P_s(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$
where
 P_e = equivalent emission power in dBm
 P_s = source (signal generator) power in dBm
NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.
13. Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from:



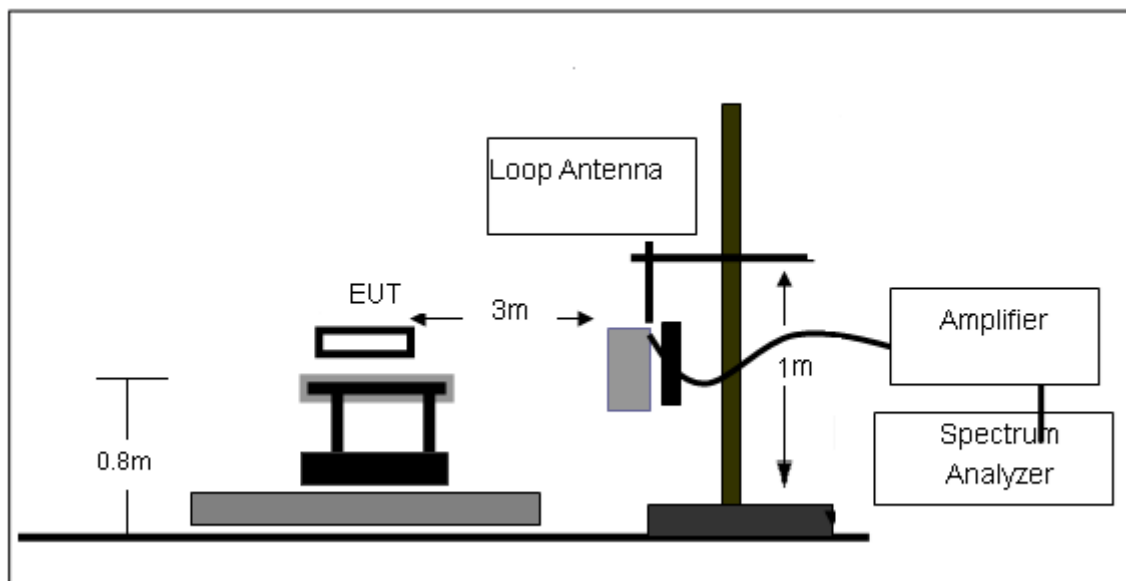
gain (dBd) = gain (dBi) – 2.15 dB.

If necessary, the antenna gain can be calculated from calibrated antenna factor information

14. Provide the complete measurement results as a part of the test report.

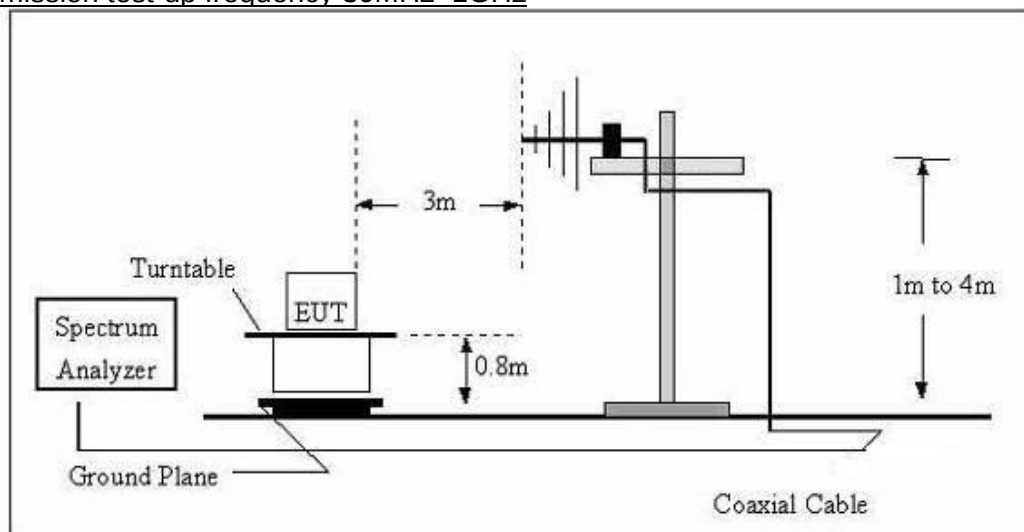
5.2.3 Test setup

Radiated emission test-up frequency below 30MHz

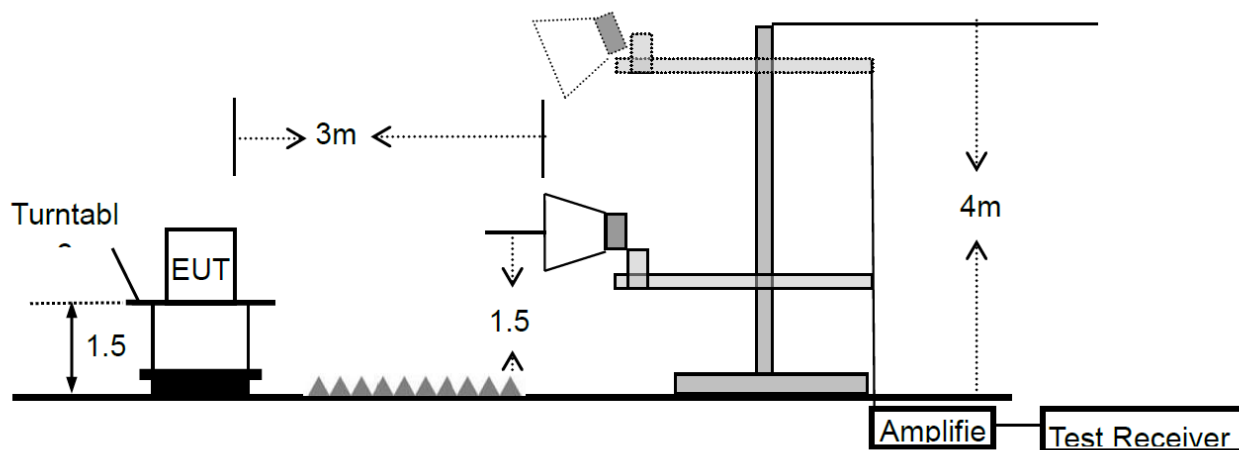




Radiated emission test-up frequency 30MHz~1GHz



Radiated emission test-up frequency above 1GHz





5.2.4 Test results

Band 2:Middle:1880MHz-20MHz-QPSK

Frequency(MHz)	Reading Level(dBm)	Correct Factor(dB)	Measurement(dBm)	Limit(dBm)	Margin	Polarization	Result
277.0935	-65.12	16.13	-48.99	-13	-35.99	H	Pass
410.3824	-64.92	19.5	-45.42	-13	-32.42	H	Pass
603.5392	-63.10	21.6	-41.50	-13	-28.50	H	Pass
12404.81	-64.96	13.15	-51.81	-13	-38.81	H	Pass
14905.812	-57.83	16.21	-41.62	-13	-28.62	H	Pass
15851.703	-61.00	4.08	-56.92	-13	-43.92	H	Pass
18639.4	-58.24	12.35	-45.89	-13	-32.89	H	Pass
18857.5	-60.79	10.36	-50.43	-13	-37.43	H	Pass
100.2286	-64.30	14.67	-49.63	-13	-36.63	V	Pass
148.441	-64.39	12.37	-52.02	-13	-39.02	V	Pass
478.8455	-62.21	20.86	-41.35	-13	-28.35	V	Pass
11282.565	-59.68	9.96	-49.72	-13	-36.72	V	Pass
12340.681	-62.13	11.01	-51.12	-13	-38.12	V	Pass
12965.932	-62.74	12.01	-50.73	-13	-37.73	V	Pass
17965.3	-60.66	10.36	-50.30	-13	-37.30	V	Pass
17984.9	-58.44	11.52	-46.92	-13	-33.92	V	Pass



Band 4:Middle:1732.5MHz-20MHz-QPSK

Frequency(MHz)	Reading Level(dBm)	Correct Factor(dB)	Measurement(dBm)	Limit(dBm)	Margin	Polarization	Result
369.4045	-63.67	18.49	-45.18	-13	-32.18	H	Pass
459.1143	-63.23	20.47	-42.76	-13	-29.76	H	Pass
656.53	-61.47	22.16	-39.31	-13	-26.31	H	Pass
12741.483	-62.51	11.68	-50.83	-13	-37.83	H	Pass
14008.016	-59.96	17.12	-42.84	-13	-29.84	H	Pass
14505.01	-58.09	16.65	-41.44	-13	-28.44	H	Pass
17521.14	-58.33	15.98	-42.35	-13	-29.35	H	Pass
17634.09	-58.95	17.32	-41.63	-13	-28.63	H	Pass
212.2694	-63.17	14.34	-48.83	-13	-35.83	V	Pass
325.5957	-64.55	17.34	-47.21	-13	-34.21	V	Pass
431.0316	-63.22	19.91	-43.31	-13	-30.31	V	Pass
13783.567	-60.68	16.67	-44.01	-13	-31.01	V	Pass
14232.465	-58.65	17.11	-41.54	-13	-28.54	V	Pass
14905.812	-58.77	16.21	-42.56	-13	-29.56	V	Pass
17102.02	-58.13	16.34	-41.79	-13	-28.79	V	Pass
17235.61	-54.10	17.42	-36.68	-13	-23.68	V	Pass



Band 5:Middle:836.5MHz-10MHz-QPSK

Frequency(MHz)	Reading Level(dBm)	Correct Factor(dB)	Measurement(dBm)	Limit(dBm)	Margin	Polarization	Result
280.0935	-65.09	16.13	-48.96	-13	-35.96	H	Pass
415.3824	-64.76	19.5	-45.26	-13	-32.26	H	Pass
650.5392	-63.17	21.6	-41.57	-13	-28.57	H	Pass
12404.88	-64.68	13.15	-51.53	-13	-38.53	H	Pass
14925.812	-57.89	16.21	-41.68	-13	-28.68	H	Pass
1571.7031	-60.97	4.08	-56.89	-13	-43.89	H	Pass
18644.44	-58.39	12.35	-46.04	-13	-33.04	H	Pass
18837.5	-60.50	10.36	-50.14	-13	-37.14	H	Pass
140.2277	-64.35	14.67	-49.68	-13	-36.68	V	Pass
160.441	-63.85	12.37	-51.48	-13	-38.48	V	Pass
500.845	-62.46	20.86	-41.60	-13	-28.60	V	Pass
11326.56	-59.36	9.96	-49.40	-13	-36.40	V	Pass
12340.674	-62.63	11.01	-51.62	-13	-38.62	V	Pass
12953.933	-62.25	12.01	-50.24	-13	-37.24	V	Pass
17865.38	-60.70	10.36	-50.34	-13	-37.34	V	Pass
17984.91	-58.39	11.52	-46.87	-13	-33.87	V	Pass



Band 66:Middle:1745MHz-20MHz-QPSK

Frequency(MHz)	Reading Level(dBm)	Correct Factor(dB)	Measurement(dBm)	Limit(dBm)	Margin	Polarization	Result
369.4045	-63.67	18.49	-45.18	-13	-32.18	H	Pass
459.1143	-63.23	20.47	-42.76	-13	-29.76	H	Pass
656.53	-61.47	22.16	-39.31	-13	-26.31	H	Pass
12741.483	-62.51	11.68	-50.83	-13	-37.83	H	Pass
14008.016	-59.96	17.12	-42.84	-13	-29.84	H	Pass
14505.01	-58.09	16.65	-41.44	-13	-28.44	H	Pass
17521.14	-58.33	15.98	-42.35	-13	-29.35	H	Pass
17634.09	-58.95	17.32	-41.63	-13	-28.63	H	Pass
212.2694	-63.17	14.34	-48.83	-13	-35.83	V	Pass
325.5957	-64.55	17.34	-47.21	-13	-34.21	V	Pass
431.0316	-63.22	19.91	-43.31	-13	-30.31	V	Pass
13783.567	-60.68	16.67	-44.01	-13	-31.01	V	Pass
14232.465	-58.65	17.11	-41.54	-13	-28.54	V	Pass
14905.812	-58.77	16.21	-42.56	-13	-29.56	V	Pass
17102.02	-58.13	16.34	-41.79	-13	-28.79	V	Pass
17235.61	-54.10	17.42	-36.68	-13	-23.68	V	Pass

Note: All the configuration was tested and only the worse case was reported.



Photographs of the Test Setup

See the APPENDIX 1- Test Setup PHOTO.



Photographs of the EUT

See the APPENDIX 1- EUT PHOTO.

----END OF REPORT----

Test Data (1.4MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
18607	1850.7	1	0	QPSK	22.71	1.5	24.21	PASS
		1	2		22.66	1.5	24.16	PASS
		1	5		22.79	1.5	24.29	PASS
		6	0		21.43	1.5	22.93	PASS
		1	0	16QAM	21.62	1.5	23.12	PASS
		1	2		21.59	1.5	23.09	PASS
		1	5		21.62	1.5	23.12	PASS
		6	0		20.55	1.5	22.05	PASS
18900	1880	1	0	QPSK	22.49	1.5	23.99	PASS
		1	2		22.38	1.5	23.88	PASS
		1	5		22.43	1.5	23.93	PASS
		6	0		21.42	1.5	22.92	PASS
		1	0	16QAM	21.66	1.5	23.16	PASS
		1	2		21.57	1.5	23.07	PASS
		1	5		21.64	1.5	23.14	PASS
		6	0		20.42	1.5	21.92	PASS
19193	1909.3	1	0	QPSK	22.1	1.5	23.6	PASS
		1	2		21.97	1.5	23.47	PASS
		1	5		21.7	1.5	23.2	PASS
		6	0		21.02	1.5	22.52	PASS
		1	0	16QAM	21.33	1.5	22.83	PASS
		1	2		21.17	1.5	22.67	PASS
		1	5		21.03	1.5	22.53	PASS
		6	0		20.05	1.5	21.55	PASS

Test Data (3MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
18615	1851.5	1	0	QPSK	22.89	1.5	24.39	PASS
		1	8		22.84	1.5	24.34	PASS
		1	15		22.85	1.5	24.35	PASS
		15	0		21.35	1.5	22.85	PASS
		1	0	16QAM	22.03	1.5	23.53	PASS
		1	8		21.87	1.5	23.37	PASS
		1	15		21.98	1.5	23.48	PASS
		15	0		20.42	1.5	21.92	PASS
18900	1880	1	0	QPSK	22.71	1.5	24.21	PASS
		1	8		22.48	1.5	23.98	PASS
		1	15		22.73	1.5	24.23	PASS
		15	0		21.43	1.5	22.93	PASS
		1	0	16QAM	21.7	1.5	23.2	PASS
		1	8		21.66	1.5	23.16	PASS
		1	15		21.73	1.5	23.23	PASS
		15	0		20.43	1.5	21.93	PASS
19185	1908.5	1	0	QPSK	22.82	1.5	24.32	PASS
		1	8		22.3	1.5	23.8	PASS
		1	15		21.62	1.5	23.12	PASS
		15	0		21.19	1.5	22.69	PASS
		1	0	16QAM	21.92	1.5	23.42	PASS
		1	8		21.33	1.5	22.83	PASS
		1	15		20.66	1.5	22.16	PASS
		15	0		20.34	1.5	21.84	PASS

Test Data (5MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
18625	1852.5	1	0	QPSK	22.99	1.5	24.49	PASS
		1	13		22.82	1.5	24.32	PASS
		1	24		22.79	1.5	24.29	PASS
		25	0		21.37	1.5	22.87	PASS
		1	0	16QAM	22.03	1.5	23.53	PASS
		1	13		21.9	1.5	23.4	PASS
		1	24		21.96	1.5	23.46	PASS
		25	0		20.43	1.5	21.93	PASS
18900	1880	1	0	QPSK	22.71	1.5	24.21	PASS
		1	13		22.49	1.5	23.99	PASS
		1	24		22.7	1.5	24.2	PASS
		25	0		21.41	1.5	22.91	PASS
		1	0	16QAM	21.77	1.5	23.27	PASS
		1	13		21.64	1.5	23.14	PASS
		1	24		21.71	1.5	23.21	PASS
		25	0		20.51	1.5	22.01	PASS
19175	1907.5	1	0	QPSK	22.96	1.5	24.46	PASS
		1	13		22.57	1.5	24.07	PASS
		1	24		22.01	1.5	23.51	PASS
		25	0		21.43	1.5	22.93	PASS
		1	0	16QAM	21.94	1.5	23.44	PASS
		1	13		21.65	1.5	23.15	PASS
		1	24		21.11	1.5	22.61	PASS
		25	0		20.56	1.5	22.06	PASS

Test Data (10MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
18650	1855	1	0	QPSK	22.89	1.5	24.39	PASS
		1	25		22.74	1.5	24.24	PASS
		1	49		22.89	1.5	24.39	PASS
		50	0		21.27	1.5	22.77	PASS
		1	0	16QAM	21.97	1.5	23.47	PASS
		1	25		21.69	1.5	23.19	PASS
		1	49		21.85	1.5	23.35	PASS
		27	0		20.23	1.5	21.73	PASS
18900	1880	1	0	QPSK	22.77	1.5	24.27	PASS
		1	25		22.43	1.5	23.93	PASS
		1	49		22.66	1.5	24.16	PASS
		50	0		21.19	1.5	22.69	PASS
		1	0	16QAM	21.77	1.5	23.27	PASS
		1	25		21.6	1.5	23.1	PASS
		1	49		21.61	1.5	23.11	PASS
		27	0		20.98	1.5	22.48	PASS
19150	1905	1	0	QPSK	22.57	1.5	24.07	PASS
		1	25		22.85	1.5	24.35	PASS
		1	49		22.12	1.5	23.62	PASS
		50	0		21.47	1.5	22.97	PASS
		1	0	16QAM	21.72	1.5	23.22	PASS
		1	25		22.03	1.5	23.53	PASS
		1	49		21.43	1.5	22.93	PASS
		27	0		21.12	1.5	22.62	PASS

Test Data (15MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
18675	1857.5	1	0	QPSK	21.66	1.5	23.16	PASS
		1	38		22.84	1.5	24.34	PASS
		1	74		22.85	1.5	24.35	PASS
		75	0		21.31	1.5	22.81	PASS
		1	0	16QAM	21.85	1.5	23.35	PASS
		1	38		21.65	1.5	23.15	PASS
		1	74		21.73	1.5	23.23	PASS
		27	0		20.67	1.5	22.17	PASS
18900	1880	1	0	QPSK	22.7	1.5	24.2	PASS
		1	38		22.53	1.5	24.03	PASS
		1	74		22.54	1.5	24.04	PASS
		75	0		21.28	1.5	22.78	PASS
		1	0	16QAM	22.26	1.5	23.76	PASS
		1	38		22.17	1.5	23.67	PASS
		1	74		22	1.5	23.5	PASS
		27	0		21.45	1.5	22.95	PASS
19125	1902.5	1	0	QPSK	22.13	1.5	23.63	PASS
		1	38		22.75	1.5	24.25	PASS
		1	74		22.14	1.5	23.64	PASS
		75	0		21.41	1.5	22.91	PASS
		1	0	16QAM	21.78	1.5	23.28	PASS
		1	38		22.36	1.5	23.86	PASS
		1	74		21.78	1.5	23.28	PASS
		27	0		21.42	1.5	22.92	PASS

Test Data (20MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
18700	1860	1	0	QPSK	22.97	1.5	24.47	PASS
		1	50		22.89	1.5	24.39	PASS
		1	99		22.88	1.5	24.38	PASS
		100	0		21.46	1.5	22.96	PASS
		1	0	16QAM	21.99	1.5	23.49	PASS
		1	50		21.94	1.5	23.44	PASS
		1	99		21.78	1.5	23.28	PASS
		27	0		21.34	1.5	22.84	PASS
18900	1880	1	0	QPSK	22.69	1.5	24.19	PASS
		1	50		22.61	1.5	24.11	PASS
		1	99		22.52	1.5	24.02	PASS
		100	0		21.1	1.5	22.6	PASS
		1	0	16QAM	21.83	1.5	23.33	PASS
		1	50		21.94	1.5	23.44	PASS
		1	99		21.57	1.5	23.07	PASS
		27	0		21.48	1.5	22.98	PASS
19100	1900	1	0	QPSK	22.38	1.5	23.88	PASS
		1	50		22.62	1.5	24.12	PASS
		1	99		22.35	1.5	23.85	PASS
		100	0		21.22	1.5	22.72	PASS
		1	0	16QAM	21.51	1.5	23.01	PASS
		1	50		21.73	1.5	23.23	PASS
		1	99		21.56	1.5	23.06	PASS
		27	0		20.77	1.5	22.27	PASS

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Test Data (1.4MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
19957	1710.7	1	0	QPSK	22.88	1.5	24.38	PASS
		1	2		22.86	1.5	24.36	PASS
		1	5		22.96	1.5	24.46	PASS
		6	0		21.72	1.5	23.22	PASS
		1	0	16QAM	21.93	1.5	23.43	PASS
		1	2		21.99	1.5	23.49	PASS
		1	5		22.08	1.5	23.58	PASS
		6	0		20.91	1.5	22.41	PASS
20175	1732.5	1	0	QPSK	22.26	1.5	23.76	PASS
		1	2		22.16	1.5	23.66	PASS
		1	5		22.21	1.5	23.71	PASS
		6	0		21.02	1.5	22.52	PASS
		1	0	16QAM	21.36	1.5	22.86	PASS
		1	2		21.35	1.5	22.85	PASS
		1	5		21.38	1.5	22.88	PASS
		6	0		20.35	1.5	21.85	PASS
20393	1754.3	1	0	QPSK	22.96	1.5	24.46	PASS
		1	2		22.95	1.5	24.45	PASS
		1	5		22.87	1.5	24.37	PASS
		6	0		22.04	1.5	23.54	PASS
		1	0	16QAM	22.32	1.5	23.82	PASS
		1	2		22.37	1.5	23.87	PASS
		1	5		22.33	1.5	23.83	PASS
		6	0		21.2	1.5	22.7	PASS

Test Data (3MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
19965	1711.5	1	0	QPSK	22.74	1.5	24.24	PASS
		1	8		22.89	1.5	24.39	PASS
		1	15		22.84	1.5	24.34	PASS
		15	0		21.76	1.5	23.26	PASS
		1	0	16QAM	22.02	1.5	23.52	PASS
		1	8		22.23	1.5	23.73	PASS
		1	15		22.17	1.5	23.67	PASS
		15	0		21.01	1.5	22.51	PASS
20175	1732.5	1	0	QPSK	22.78	1.5	24.28	PASS
		1	8		22.88	1.5	24.38	PASS
		1	15		22.94	1.5	24.44	PASS
		15	0		21.73	1.5	23.23	PASS
		1	0	16QAM	22.3	1.5	23.8	PASS
		1	8		22.57	1.5	24.07	PASS
		1	15		22.54	1.5	24.04	PASS
		15	0		20.92	1.5	22.42	PASS
20385	1753.5	1	0	QPSK	23.13	1.5	24.63	PASS
		1	8		23.07	1.5	24.57	PASS
		1	15		22.9	1.5	24.4	PASS
		15	0		22.08	1.5	23.58	PASS
		1	0	16QAM	22.25	1.5	23.75	PASS
		1	8		22.3	1.5	23.8	PASS
		1	15		22.05	1.5	23.55	PASS
		15	0		21.18	1.5	22.68	PASS

Test Data (5MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
19975	1712.5	1	0	QPSK	23.01	1.5	24.51	PASS
		1	13		22.98	1.5	24.48	PASS
		1	24		23.08	1.5	24.58	PASS
		25	0		21.8	1.5	23.3	PASS
		1	0	16QAM	21.95	1.5	23.45	PASS
		1	13		22.15	1.5	23.65	PASS
		1	24		22.21	1.5	23.71	PASS
		25	0		21.04	1.5	22.54	PASS
20175	1732.5	1	0	QPSK	22.4	1.5	23.9	PASS
		1	13		22.36	1.5	23.86	PASS
		1	24		22.39	1.5	23.89	PASS
		25	0		21.04	1.5	22.54	PASS
		1	0	16QAM	21.42	1.5	22.92	PASS
		1	13		21.32	1.5	22.82	PASS
		1	24		21.41	1.5	22.91	PASS
		25	0		20.21	1.5	21.71	PASS
20375	1752.5	1	0	QPSK	23.09	1.5	24.59	PASS
		1	13		23.18	1.5	24.68	PASS
		1	24		23.02	1.5	24.52	PASS
		25	0		22.15	1.5	23.65	PASS
		1	0	16QAM	22.31	1.5	23.81	PASS
		1	13		22.36	1.5	23.86	PASS
		1	24		22.21	1.5	23.71	PASS
		25	0		21.25	1.5	22.75	PASS

Test Data (10MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20000	1715	1	0	QPSK	23.16	1.5	24.66	PASS
		1	25		23.17	1.5	24.67	PASS
		1	49		22.76	1.5	24.26	PASS
		50	0		21.78	1.5	23.28	PASS
		1	0	16QAM	22.14	1.5	23.64	PASS
		1	25		22.36	1.5	23.86	PASS
		1	49		21.92	1.5	23.42	PASS
		27	0		21.78	1.5	23.28	PASS
20175	1732.5	1	0	QPSK	22.42	1.5	23.92	PASS
		1	25		22.24	1.5	23.74	PASS
		1	49		22.53	1.5	24.03	PASS
		50	0		20.94	1.5	22.44	PASS
		1	0	16QAM	21.67	1.5	23.17	PASS
		1	25		21.5	1.5	23	PASS
		1	49		21.8	1.5	23.3	PASS
		27	0		20.93	1.5	22.43	PASS
20350	1750	1	0	QPSK	22.97	1.5	24.47	PASS
		1	25		23.04	1.5	24.54	PASS
		1	49		22.95	1.5	24.45	PASS
		50	0		21.98	1.5	23.48	PASS
		1	0	16QAM	22.49	1.5	23.99	PASS
		1	25		22.85	1.5	24.35	PASS
		1	49		22.8	1.5	24.3	PASS
		27	0		21.32	1.5	22.82	PASS

Test Data (15MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20025	1717.5	1	0	QPSK	22.99	1.5	24.49	PASS
		1	38		22.89	1.5	24.39	PASS
		1	74		22.51	1.5	24.01	PASS
		75	0		21.53	1.5	23.03	PASS
		1	0	16QAM	22.58	1.5	24.08	PASS
		1	38		22.67	1.5	24.17	PASS
		1	74		22.2	1.5	23.7	PASS
		27	0		21.89	1.5	23.39	PASS
20175	1732.5	1	0	QPSK	22.37	1.5	23.87	PASS
		1	38		22.28	1.5	23.78	PASS
		1	74		22.73	1.5	24.23	PASS
		75	0		21.17	1.5	22.67	PASS
		1	0	16QAM	22.09	1.5	23.59	PASS
		1	38		22.01	1.5	23.51	PASS
		1	74		22.74	1.5	24.24	PASS
		27	0		21.87	1.5	23.37	PASS
20325	1747.5	1	0	QPSK	23	1.5	24.5	PASS
		1	38		23.05	1.5	24.55	PASS
		1	74		23.1	1.5	24.6	PASS
		75	0		21.96	1.5	23.46	PASS
		1	0	16QAM	22.01	1.5	23.51	PASS
		1	38		22.32	1.5	23.82	PASS
		1	74		22.34	1.5	23.84	PASS
		27	0		21.96	1.5	23.46	PASS

Test Data (20MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20050	1720	1	0	QPSK	23.16	1.5	24.66	PASS
		1	50		22.49	1.5	23.99	PASS
		1	99		22.39	1.5	23.89	PASS
		100	0		20.99	1.5	22.49	PASS
		1	0	16QAM	22.3	1.5	23.8	PASS
		1	50		21.98	1.5	23.48	PASS
		1	99		21.61	1.5	23.11	PASS
		27	0		21.14	1.5	22.64	PASS
20175	1732.5	1	0	QPSK	22.63	1.5	24.13	PASS
		1	50		22.49	1.5	23.99	PASS
		1	99		23.01	1.5	24.51	PASS
		100	0		21.21	1.5	22.71	PASS
		1	0	16QAM	21.85	1.5	23.35	PASS
		1	50		21.66	1.5	23.16	PASS
		1	99		22.25	1.5	23.75	PASS
		27	0		21.11	1.5	22.61	PASS
20300	1745	1	0	QPSK	22.45	1.5	23.95	PASS
		1	50		22.89	1.5	24.39	PASS
		1	99		23.01	1.5	24.51	PASS
		100	0		21.98	1.5	23.48	PASS
		1	0	16QAM	22.03	1.5	23.53	PASS
		1	50		22.41	1.5	23.91	PASS
		1	99		22.67	1.5	24.17	PASS
		27	0		21.34	1.5	22.84	PASS

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Test Data (1.4MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20407	824.7	1	0	QPSK	22.7	0.8	21.35	PASS
		1	2		22.76	0.8	21.41	PASS
		1	5		22.71	0.8	21.36	PASS
		6	0		21.76	0.8	20.41	PASS
		1	0	16QAM	22.03	0.8	20.68	PASS
		1	2		22.12	0.8	20.77	PASS
		1	5		22.12	0.8	20.77	PASS
		6	0		20.91	0.8	19.56	PASS
20525	836.5	1	0	QPSK	22.69	0.8	21.34	PASS
		1	2		22.57	0.8	21.22	PASS
		1	5		22.6	0.8	21.25	PASS
		6	0		21.65	0.8	20.3	PASS
		1	0	16QAM	21.85	0.8	20.5	PASS
		1	2		21.83	0.8	20.48	PASS
		1	5		21.84	0.8	20.49	PASS
		6	0		20.75	0.8	19.4	PASS
20643	848.3	1	0	QPSK	22.34	0.8	20.99	PASS
		1	2		22.31	0.8	20.96	PASS
		1	5		22.31	0.8	20.96	PASS
		6	0		21.3	0.8	19.95	PASS
		1	0	16QAM	21.47	0.8	20.12	PASS
		1	2		21.43	0.8	20.08	PASS
		1	5		21.42	0.8	20.07	PASS
		6	0		20.45	0.8	19.1	PASS

Test Data (3MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20415	825.5	1	0	QPSK	22.89	0.8	21.54	PASS
		1	8		22.82	0.8	21.47	PASS
		1	15		22.82	0.8	21.47	PASS
		15	0		21.8	0.8	20.45	PASS
		1	0	16QAM	21.87	0.8	20.52	PASS
		1	8		21.98	0.8	20.63	PASS
		1	15		21.96	0.8	20.61	PASS
		15	0		21.96	0.8	20.61	PASS
20525	836.5	1	0	QPSK	22.54	0.8	21.19	PASS
		1	8		22.59	0.8	21.24	PASS
		1	15		22.52	0.8	21.17	PASS
		15	0		21.61	0.8	20.26	PASS
		1	0	16QAM	21.87	0.8	20.52	PASS
		1	8		21.92	0.8	20.57	PASS
		1	15		21.84	0.8	20.49	PASS
		15	0		20.82	0.8	19.47	PASS
20635	847.5	1	0	QPSK	22.28	0.8	20.93	PASS
		1	8		22.34	0.8	20.99	PASS
		1	15		22.18	0.8	20.83	PASS
		15	0		21.28	0.8	19.93	PASS
		1	0	16QAM	21.94	0.8	20.59	PASS
		1	8		22.02	0.8	20.67	PASS
		1	15		21.87	0.8	20.52	PASS
		15	0		20.44	0.8	19.09	PASS

Test Data (5MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20425	826.5	1	0	QPSK	22.91	0.8	21.56	PASS
		1	13		22.93	0.8	21.58	PASS
		1	24		22.95	0.8	21.6	PASS
		25	0		21.8	0.8	20.45	PASS
		1	0	16QAM	22.21	0.8	20.86	PASS
		1	13		22.28	0.8	20.93	PASS
		1	24		22.31	0.8	20.96	PASS
		25	0		20.91	0.8	19.56	PASS
20525	836.5	1	0	QPSK	22.62	0.8	21.27	PASS
		1	13		22.64	0.8	21.29	PASS
		1	24		22.58	0.8	21.23	PASS
		25	0		21.56	0.8	20.21	PASS
		1	0	16QAM	21.8	0.8	20.45	PASS
		1	13		21.78	0.8	20.43	PASS
		1	24		21.74	0.8	20.39	PASS
		25	0		20.74	0.8	19.39	PASS
20625	846.5	1	0	QPSK	22.61	0.8	21.26	PASS
		1	13		22.48	0.8	21.13	PASS
		1	24		22.55	0.8	21.2	PASS
		25	0		21.3	0.8	19.95	PASS
		1	0	16QAM	21.84	0.8	20.49	PASS
		1	13		21.76	0.8	20.41	PASS
		1	24		21.71	0.8	20.36	PASS
		25	0		20.47	0.8	19.12	PASS

Test Data (10MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
20450	829	1	0	QPSK	22.98	0.8	21.63	PASS
		1	25		22.82	0.8	21.47	PASS
		1	49		22.64	0.8	21.29	PASS
		50	0		21.66	0.8	20.31	PASS
		1	0	16QAM	22.47	0.8	21.12	PASS
		1	25		22.53	0.8	21.18	PASS
		1	49		22.39	0.8	21.04	PASS
		27	0		21.32	0.8	19.97	PASS
20525	836.5	1	0	QPSK	22.85	0.8	21.5	PASS
		1	25		22.64	0.8	21.29	PASS
		1	49		22.7	0.8	21.35	PASS
		50	0		21.43	0.8	20.08	PASS
		1	0	16QAM	22.01	0.8	20.66	PASS
		1	25		21.83	0.8	20.48	PASS
		1	49		21.78	0.8	20.43	PASS
		27	0		21.56	0.8	20.21	PASS
20600	844	1	0	QPSK	22.65	0.8	21.3	PASS
		1	25		22.5	0.8	21.15	PASS
		1	49		22.55	0.8	21.2	PASS
		50	0		21.26	0.8	19.91	PASS
		1	0	16QAM	21.85	0.8	20.5	PASS
		1	25		21.79	0.8	20.44	PASS
		1	49		21.64	0.8	20.29	PASS
		27	0		21.12	0.8	19.77	PASS

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Test Data (1.4MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
131979	1710.7	1	0	QPSK	23.02	1.5	24.52	PASS
		1	2		23.05	1.5	24.55	PASS
		1	5		23.22	1.5	24.72	PASS
		6	0		22.15	1.5	23.65	PASS
		1	0	16QAM	22.36	1.5	23.86	PASS
		1	2		22.4	1.5	23.9	PASS
		1	5		22.54	1.5	24.04	PASS
		6	0		21.3	1.5	22.8	PASS
132322	1745	1	0	QPSK	22.91	1.5	24.41	PASS
		1	2		22.92	1.5	24.42	PASS
		1	5		23.04	1.5	24.54	PASS
		6	0		22.03	1.5	23.53	PASS
		1	0	16QAM	22.09	1.5	23.59	PASS
		1	2		22.17	1.5	23.67	PASS
		1	5		22.23	1.5	23.73	PASS
		6	0		21.26	1.5	22.76	PASS
132665	1779.3	1	0	QPSK	23.26	1.5	24.76	PASS
		1	2		23.38	1.5	24.88	PASS
		1	5		23.38	1.5	24.88	PASS
		6	0		22.47	1.5	23.97	PASS
		1	0	16QAM	22.69	1.5	24.19	PASS
		1	2		22.71	1.5	24.21	PASS
		1	5		22.76	1.5	24.26	PASS
		6	0		21.69	1.5	23.19	PASS

Test Data (3MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max Power(RMS)	Antenna Gain(dBi)	ERP/EIRP	Verdict
131987	1711.5	1	0	QPSK	23.07	1.5	24.57	PASS
		1	8		23.16	1.5	24.66	PASS
		1	15		23.09	1.5	24.59	PASS
		15	0		22.13	1.5	23.63	PASS
		1	0	16QAM	22.74	1.5	24.24	PASS
		1	8		22.96	1.5	24.46	PASS
		1	15		22.92	1.5	24.42	PASS
		15	0		21.37	1.5	22.87	PASS
132322	1745	1	0	QPSK	22.95	1.5	24.45	PASS
		1	8		23.08	1.5	24.58	PASS
		1	15		22.94	1.5	24.44	PASS
		15	0		21.92	1.5	23.42	PASS
		1	0	16QAM	22.16	1.5	23.66	PASS
		1	8		22.19	1.5	23.69	PASS
		1	15		22.22	1.5	23.72	PASS
		15	0		21.21	1.5	22.71	PASS
132657	1778.5	1	0	QPSK	22.82	1.5	24.32	PASS
		1	8		23.25	1.5	24.75	PASS
		1	15		23.31	1.5	24.81	PASS
		15	0		22.3	1.5	23.8	PASS
		1	0	16QAM	22.33	1.5	23.83	PASS
		1	8		22.71	1.5	24.21	PASS
		1	15		22.78	1.5	24.28	PASS
		15	0		21.5	1.5	23	PASS

Test Data (5MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
131997	1712.5	1	0	QPSK	23.25	1.5	24.75	PASS
		1	13		23.41	1.5	24.91	PASS
		1	24		23.37	1.5	24.87	PASS
		25	0		22.36	1.5	23.86	PASS
		1	0	16QAM	22.92	1.5	24.42	PASS
		1	13		23.15	1.5	24.65	PASS
		1	24		23.09	1.5	24.59	PASS
		25	0		21.54	1.5	23.04	PASS
132322	1745	1	0	QPSK	23.09	1.5	24.59	PASS
		1	13		22.99	1.5	24.49	PASS
		1	24		23.15	1.5	24.65	PASS
		25	0		21.97	1.5	23.47	PASS
		1	0	16QAM	22.23	1.5	23.73	PASS
		1	13		22.21	1.5	23.71	PASS
		1	24		22.35	1.5	23.85	PASS
		25	0		21.25	1.5	22.75	PASS
132647	1777.5	1	0	QPSK	22.86	1.5	24.36	PASS
		1	13		23.2	1.5	24.7	PASS
		1	24		23.56	1.5	25.06	PASS
		25	0		22.14	1.5	23.64	PASS
		1	0	16QAM	22.34	1.5	23.84	PASS
		1	13		22.67	1.5	24.17	PASS
		1	24		22.99	1.5	24.49	PASS
		25	0		21.37	1.5	22.87	PASS

Test Data (10MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
132022	1715	1	0	QPSK	23.41	1.5	24.91	PASS
		1	25		23.44	1.5	24.94	PASS
		1	49		22.99	1.5	24.49	PASS
		50	0		22.22	1.5	23.72	PASS
		1	0	16QAM	23	1.5	24.5	PASS
		1	25		23.23	1.5	24.73	PASS
		1	49		22.7	1.5	24.2	PASS
		27	0		21.98	1.5	23.48	PASS
132322	1745	1	0	QPSK	23.45	1.5	24.95	PASS
		1	25		23.1	1.5	24.6	PASS
		1	49		23.31	1.5	24.81	PASS
		50	0		22.06	1.5	23.56	PASS
		1	0	16QAM	22.62	1.5	24.12	PASS
		1	25		22.39	1.5	23.89	PASS
		1	49		22.57	1.5	24.07	PASS
		27	0		21.91	1.5	23.41	PASS
132622	1775	1	0	QPSK	23.07	1.5	24.57	PASS
		1	25		22.88	1.5	24.38	PASS
		1	49		23.58	1.5	25.08	PASS
		50	0		21.82	1.5	23.32	PASS
		1	0	16QAM	22.24	1.5	23.74	PASS
		1	25		22.21	1.5	23.71	PASS
		1	49		22.91	1.5	24.41	PASS
		27	0		22.02	1.5	23.52	PASS

Test Data (15MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
132047	1717.5	1	0	QPSK	22.9	1.5	24.4	PASS
		1	38		23.2	1.5	24.7	PASS
		1	74		22.69	1.5	24.19	PASS
		75	0		21.8	1.5	23.3	PASS
		1	0	16QAM	22.77	1.5	24.27	PASS
		1	38		22.94	1.5	24.44	PASS
		1	74		22.37	1.5	23.87	PASS
		27	0		21.98	1.5	23.48	PASS
132322	1745	1	0	QPSK	22.91	1.5	24.41	PASS
		1	38		22.94	1.5	24.44	PASS
		1	74		23.45	1.5	24.95	PASS
		75	0		22.13	1.5	23.63	PASS
		1	0	16QAM	22.64	1.5	24.14	PASS
		1	38		22.85	1.5	24.35	PASS
		1	74		23.26	1.5	24.76	PASS
		27	0		21.86	1.5	23.36	PASS
132597	1772.5	1	0	QPSK	22.55	1.5	24.05	PASS
		1	38		22.65	1.5	24.15	PASS
		1	74		23.4	1.5	24.9	PASS
		75	0		22.01	1.5	23.51	PASS
		1	0	16QAM	21.93	1.5	23.43	PASS
		1	38		21.96	1.5	23.46	PASS
		1	74		22.67	1.5	24.17	PASS
		27	0		21.23	1.5	22.73	PASS

Test Data (20MHz bandwidth Mode)

Channel	Frequency (MHz)	No.RB	RB START	Modulation	Max power (kW)	Antenna Gain(dBi)	ERP/EIRP	Verdict
132072	1720	1	0	QPSK	23.29	1.5	24.79	PASS
		1	50		22.85	1.5	24.35	PASS
		1	99		22.61	1.5	24.11	PASS
		100	0		21.25	1.5	22.75	PASS
		1	0	16QAM	22.56	1.5	24.06	PASS
		1	50		22.36	1.5	23.86	PASS
		1	99		21.88	1.5	23.38	PASS
		27	0		21.62	1.5	23.12	PASS
132322	1745	1	0	QPSK	22.76	1.5	24.26	PASS
		1	50		23.16	1.5	24.66	PASS
		1	99		23.68	1.5	25.18	PASS
		100	0		22.19	1.5	23.69	PASS
		1	0	16QAM	22.06	1.5	23.56	PASS
		1	50		22.49	1.5	23.99	PASS
		1	99		23.05	1.5	24.55	PASS
		27	0		22.29	1.5	23.79	PASS
132572	1770	1	0	QPSK	22.58	1.5	24.08	PASS
		1	50		22.95	1.5	24.45	PASS
		1	99		23.25	1.5	24.75	PASS
		100	0		22.29	1.5	23.79	PASS
		1	0	16QAM	22.27	1.5	23.77	PASS
		1	50		22.59	1.5	24.09	PASS
		1	99		22.89	1.5	24.39	PASS
		27	0		22.01	1.5	23.51	PASS