



FCC RF Test Report

(GSM)

Report No.: JYTSZ-R12-2301823
Applicant: Septier Communication Ltd.
Address of Applicant: 35 Eyal st. Petah Tikva, Israel

Equipment Under Test (EUT)

Product Name: MIDI SYSTEM
Model No.: MIDI SYSTEM REV1
Trade Mark: N/A
FCC ID: 2BDKO-SEPTIER
Applicable Standards: FCC CFR Title 47 Part 2, 22H, 24E
Date of Sample Receipt: 28 Dec., 2023
Date of Test: 29 Dec., 2023 to 24 Jan., 2024
Date of Report Issued: 04 Feb., 2024
Test Result: PASS

Tested by:


Project Engineer

Date:

04 Feb., 2024

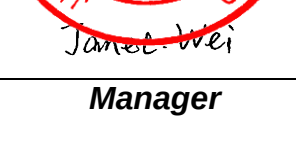
Reviewed by:


Senior Engineer

Date:

04 Feb., 2024

Approved by:


Manager

Date:

04 Feb., 2024

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

1 Version

Version No.	Date	Description
00	24 Jan., 2024	Original
01	31 Jan., 2024	Updated pages 4 and 8 of the report
02	04 Feb., 2024	Updated page 4 of the report

2 Contents

Page

Cover Page	1
1 Version	2
2 Contents.....	3
3 General Information.....	4
3.1 Client Information	4
3.2 General Description of E.U.T.	4
3.3 Test Mode and Environment	5
3.4 Description of Test Auxiliary Equipment	5
3.5 Measurement Uncertainty	5
3.6 Additions to, Deviations, or Exclusions from the Method	5
3.7 Laboratory Facility	5
3.8 Laboratory Location.....	6
3.9 Test Instruments List	6
4 Measurement Setup and Procedure	8
4.1 Test Channel	8
4.2 Test Setup	8
4.3 Test Procedure	10
5 Test Results.....	11
5.1 Summary	11
5.1.1 Clause and Data Summary.....	11
5.1.2 Test Limit.....	12
5.2 Field Strength of Spurious Radiation Measurement	13

3 General Information

3.1 Client Information

Applicant:	Septier Communication Ltd.
Address:	35 Efal st. Petah Tikwa, Israel
Manufacturer/Factory:	Septier Communication Ltd.
Address:	35 Efal st. Petah Tikwa, Israel

3.2 General Description of E.U.T.

Product Name:	MIDI SYSTEM		
Model No.:	MIDI SYSTEM REV1		
Operation Frequency Range:	GSM850:	869.2MHz-893.8MHz	
	PCS1900:	1930.2MHz -1989.8MHz	
Modulation Type:	☒ GPRS(GMSK)		
Antenna Type:	External Antenna		
Antenna Gain:	GSM 850:	ANT1: 3.14 dBi (declare by Applicant)	
		ANT2: 3.14 dBi (declare by Applicant)	
	PCS1900:	ANT1: 1.2 dBi (declare by Applicant)	
		ANT2: 1.2 dBi (declare by Applicant)	
Power Supply:	DC 12-22V		
AC Adapter:	Model: GST360A15-C8P Input: AC100-240V, 50/60Hz, 3.8A Output: DC 15V, 19.3A, 289.5W MAX (100-200V) DC 15V, 22.7A, 340.5W MAX (200-240V)		
Test Sample Condition:	The test samples were provided in good working order with no visible defects.		

3.3 Test Mode and Environment

Test Mode:	
GPRS mode:	Keep the EUT communication with simulated station in GPRS mode
EGPRS mode:	Keep the EUT communication with simulated station in EGPRS mode
Remark: The EUT has been tested under continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.	
Operating Environment:	
Temperature:	Normal: 15°C ~ 35°C, Extreme: -30°C ~ +50°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 15Vdc, Extreme: Low 10 Vdc, High 22 Vdc
Test Engineer:	Lucas Ding (Conducted measurement) Kiran Zeng (Radiated measurement)

3.4 Description of Test Auxiliary Equipment

Test Equipment	Manufacturer	Model No.	Serial No.
Simulated Station	Anritsu	MT8820C	6201026545

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m FAR)	4.95 dB
Radiated Emission (6GHz ~ 18GHz) (3m FAR)	5.23 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.32 dB
Note: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.	

3.6 Additions to, Deviations, or Exclusions from the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2024
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	02-09-2023	02-08-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-09-2023	02-08-2024
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-02-2021	07-01-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	02-09-2023	02-08-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-27-2023	12-26-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-27-2023	12-26-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-27-2023	12-26-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-27-2023	12-26-2024
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-27-2023	12-26-2024
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	09-23-2023	09-24-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-13-2023	07-12-2024
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-02-2021	07-01-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	07-14-2023	07-13-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-27-2023	12-26-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-27-2023	12-26-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-27-2023	12-26-2024
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	05-14-2023	05-13-2024
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	05-14-2023	05-13-2024
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-13-2023	06-12-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	08-01-2023	07-31-2024
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	08-01-2023	07-31-2024
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	08-01-2023	07-31-2024
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

Conducted method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-13-2023	06-12-2024
Vector Signal Generator	Keysight	N5182B	WXJ091-1	06-13-2023	06-12-2024
Vector Signal Generator	Keysight	N5182B	WXJ091-2	06-14-2023	06-13-2024
Signal Generator	Keysight	N5173B	WXJ091-3	06-13-2023	06-12-2024
Network Analyzer	Keysight	E5071C	WXJ091	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
RF Control Unit	Tonscend	JS0806-1	WXG010-2	N/A	N/A
RF Control Unit	Tonscend	JS0806-1	WXG010-3	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	WXG010-4	N/A	N/A
Test Software	Tonscend	TS+	Version: 2.6.9.0526		

4 Measurement Setup and Procedure

4.1 Test Channel

According to ANSI C63.26-2015 chapter 5.1.2.1 Table 2 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

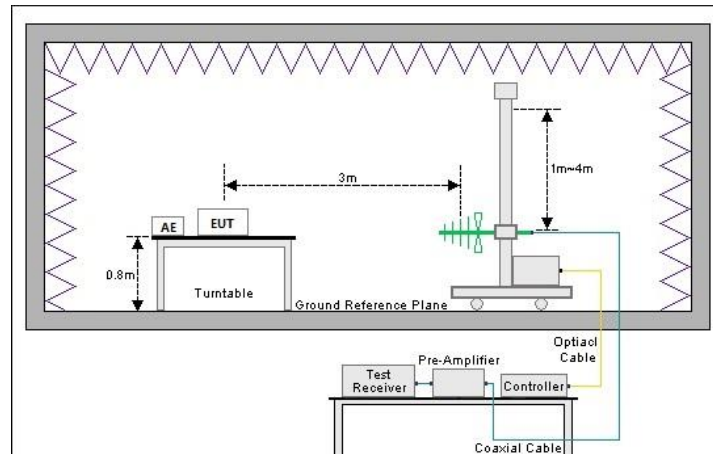
GSM850					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
128	869.2	190	881.6	251	893.8

PCS1900					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
512	1930.2	661	1960.0	810	1989.8

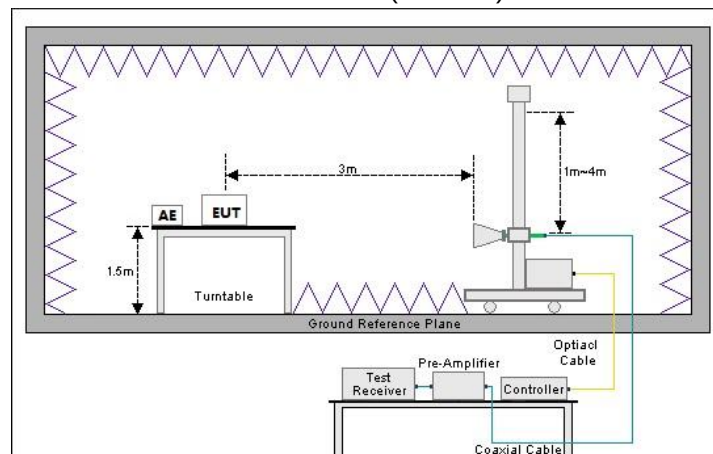
4.2 Test Setup

1) Radiated emission measurement:

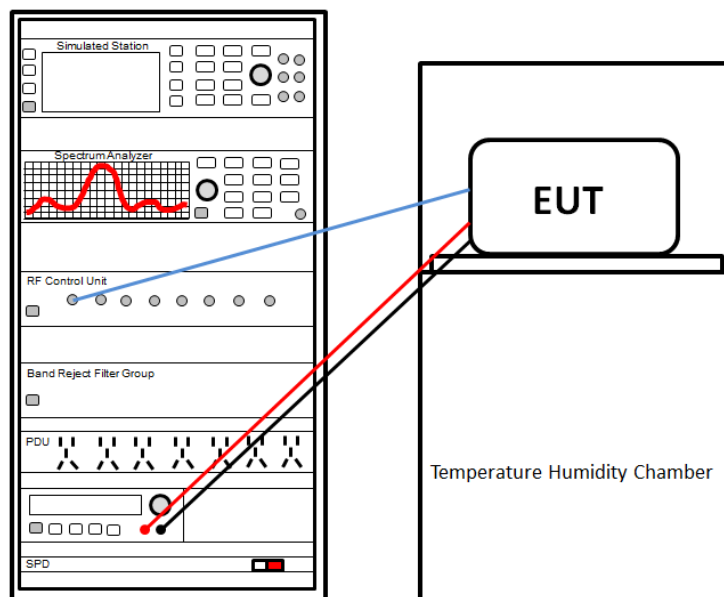
Below 1GHz (3m SAC)



Above 1GHz (3m FAR)



2) Conducted test method



4.3 Test Procedure

Test method	Test step
Radiated emission	For below 1GHz: - The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. - EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. - Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. For above 1GHz: - The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. - EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. - Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	- The GSM antenna port of EUT was connected to the test port of the test system through an RF cable. - The EUT is keeping in continuous transmission mode and tested in all modulation modes. - Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
RF Exposure	Part 1.1307 Part 2.1093	See Exposure Evaluation Report	Pass
RF Output Power	Part 2.1046 Part 22.913 (a)(1) Part 24.232 (a)	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
Peak-to-Average Power Ratio	Part 24.232 (d)	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
Modulation Characteristics	Part 2.1047	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
26dB Emission Bandwidth 99% Occupied Bandwidth	Part 2.1049	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
Out of Band Emission at Antenna Terminals	Part 2.1051 Part 22.917 (a) Part 24.238 (a)	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a)	See Section 5.2	Pass
Frequency Stability vs. Temperature	Part 22.355 Part 24.235 Part 2.1055(a)(1)(b)	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
Frequency Stability vs. Voltage	Part 22.355 Part 24.235 Part 2.1055(d)(2)	Appendix A-GSM-ANT1 Appendix A-GSM-ANT2	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (Fundamental Frequency below 1GHz)/1.0dB (Fundamental Frequency above 1GHz) (provided by the customer).			
Test Method:	ANSI/TIA-603-E-2016 ANSI C63.26-2015		

5.1.2 Test Limit

Items	Limit																																
RF Output Power	GSM850: 500W ERP PCS1900: 1640W EIRP																																
Peak-to-Average Power Ratio	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB																																
Modulation Characteristics	N/A																																
26dB Emission Bandwidth 99% Occupied Bandwidth	N/A																																
Out of Band Emission at Antenna Terminals	The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.																																
Field Strength of Spurious Radiation																																	
Frequency Stability vs. Temperature	GSM850: Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section. TABLE C-1—FREQUENCY TOLERANCE FOR TRANSMITTERS IN THE PUBLIC MOBILE SERVICES <table><tr><th>Frequency range (MHz)</th><th>Base, fixed (ppm)</th><th>Mobile >3 watts (ppm)</th><th>Mobile ≤3 watts (ppm)</th></tr><tr><td>25 to 50</td><td>20.0</td><td>20.0</td><td>50.0</td></tr><tr><td>50 to 450</td><td>5.0</td><td>5.0</td><td>50.0</td></tr><tr><td>450 to 512</td><td>2.5</td><td>5.0</td><td>5.0</td></tr><tr><td>821 to 896</td><td>1.5</td><td>2.5</td><td>2.5</td></tr><tr><td>928 to 929</td><td>5.0</td><td>n/a</td><td>n/a</td></tr><tr><td>929 to 960</td><td>1.5</td><td>n/a</td><td>n/a</td></tr><tr><td>2110 to 2220</td><td>10.0</td><td>n/a</td><td>n/a</td></tr></table> PCS1900: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.	Frequency range (MHz)	Base, fixed (ppm)	Mobile >3 watts (ppm)	Mobile ≤3 watts (ppm)	25 to 50	20.0	20.0	50.0	50 to 450	5.0	5.0	50.0	450 to 512	2.5	5.0	5.0	821 to 896	1.5	2.5	2.5	928 to 929	5.0	n/a	n/a	929 to 960	1.5	n/a	n/a	2110 to 2220	10.0	n/a	n/a
Frequency range (MHz)		Base, fixed (ppm)	Mobile >3 watts (ppm)	Mobile ≤3 watts (ppm)																													
25 to 50	20.0	20.0	50.0																														
50 to 450	5.0	5.0	50.0																														
450 to 512	2.5	5.0	5.0																														
821 to 896	1.5	2.5	2.5																														
928 to 929	5.0	n/a	n/a																														
929 to 960	1.5	n/a	n/a																														
2110 to 2220	10.0	n/a	n/a																														
Frequency Stability vs. Voltage																																	

5.2 Field Strength of Spurious Radiation Measurement

GSM850						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1738.40	-67.75	-8.65	-76.40	-13.00	63.40	Vertical
2067.60	-66.30	-7.59	-73.89	-13.00	60.89	Vertical
3476.80	-63.88	-1.62	-65.50	-13.00	52.50	Vertical
1738.40	-68.15	-8.65	-76.80	-13.00	63.80	Horizontal
2067.60	-66.40	-7.59	-73.99	-13.00	60.99	Horizontal
3476.80	-64.54	-1.62	-66.16	-13.00	53.16	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1763.20	-67.44	-8.03	-75.47	-13.00	62.47	Vertical
2644.80	-66.40	-7.41	-73.81	-13.00	60.81	Vertical
3526.40	-64.34	-2.23	-66.57	-13.00	53.57	Vertical
1763.20	-68.16	-8.03	-76.19	-13.00	63.19	Horizontal
2644.80	-66.47	-7.41	-73.88	-13.00	60.88	Horizontal
3526.40	-64.48	-2.23	-66.71	-13.00	53.71	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
1787.60	-67.40	-7.41	-74.81	-13.00	61.81	Vertical
2681.40	-66.09	-7.03	-73.12	-13.00	60.12	Vertical
3575.20	-64.80	-2.65	-67.45	-13.00	54.45	Vertical
1787.60	-68.25	-7.41	-75.66	-13.00	62.66	Horizontal
2681.40	-66.85	-7.03	-73.88	-13.00	60.88	Horizontal
3575.20	-64.33	-2.65	-66.98	-13.00	53.98	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

PCS1900						
Lowest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3860.40	-59.11	-1.21	-60.32	-13.00	47.32	Vertical
5790.60	-57.35	4.24	-53.11	-13.00	40.11	Vertical
7720.80	-53.53	9.07	-44.46	-13.00	31.46	Vertical
3860.40	-59.01	-1.21	-60.22	-13.00	47.22	Horizontal
5790.60	-57.56	4.24	-53.32	-13.00	40.32	Horizontal
7720.80	-53.85	9.07	-44.78	-13.00	31.78	Horizontal
Middle channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3920.00	-59.32	-0.14	-59.46	-13.00	46.46	Vertical
5880.00	-57.25	4.34	-52.91	-13.00	39.91	Vertical
7840.00	-53.37	7.49	-45.88	-13.00	32.88	Vertical
3920.00	-59.05	-0.14	-59.19	-13.00	46.19	Horizontal
5880.00	-57.26	4.34	-52.92	-13.00	39.92	Horizontal
7840.00	-53.36	7.49	-45.87	-13.00	32.87	Horizontal
Highest channel						
Frequency (MHz)	Reading Level (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Polarization
3979.60	-59.29	1.01	-58.28	-13.00	45.28	Vertical
5969.40	-57.66	4.11	-53.55	-13.00	40.55	Vertical
7959.20	-53.14	8.16	-44.98	-13.00	31.98	Vertical
3979.60	-58.94	1.01	-57.93	-13.00	44.93	Horizontal
5969.40	-57.43	4.11	-53.32	-13.00	40.32	Horizontal
7959.20	-53.19	8.16	-45.03	-13.00	32.03	Horizontal
Remark: 1. The emission levels of below 1 GHz are lower than the limit 10dB, so not show in test report.						

-----End of report-----