

JianYan Testing Group Shenzhen Co., Ltd.

Report No.: JYTSZ-R12-2200366

FCC RF Test Report

(Bluetooth)

Applicant: TECNO MOBILE LIMITED

Address of Applicant: FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-

35 SHAN MEI STREET FOTAN NT

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: CH6i

Trade Mark: TECNO

FCC ID: 2ADYY-CH6I

Applicable Standards: FCC CFR Title 47 Part 15C (§15.247)

Date of Sample Receipt: 04 Mar., 2022

Date of Test: 05 Mar., to 27 Mar., 2022

Date of Report Issued: 28 Mar., 2022

Test Result: PASS

Tested by: Date: 28 Mar., 2022

Reviewed by: Date: 28 Mar., 2022

Approved by: Date: 28 Mar., 2022

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.

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Report No.: JYTSZ-R12-2200366

2 Version

Version No.	Date	Description
00	28 Mar., 2022	Original





3 Contents

			Page
1	CO	VER PAGE	1
2	VE	RSION	2
3	СО	NTENTS	3
4	GE	NERAL INFORMATION	4
	4.1	CLIENT INFORMATION	4
	4.2	GENERAL DESCRIPTION OF E.U.T.	4
	4.3	TEST MODE AND TEST ENVIRONMENT	5
	4.4	DESCRIPTION OF SUPPORT UNITS	5
	4.5	MEASUREMENT UNCERTAINTY	
	4.6	ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD	
	4.7	LABORATORY FACILITY	
	4.8	LABORATORY LOCATION	
	4.9	TEST INSTRUMENTS LIST	6
5	ME	ASUREMENT SETUP AND PROCEDURE	7
	5.1	TEST CHANNEL	7
	5.2	TEST SETUP	7
	5.3	TEST PROCEDURE	9
6	TES	ST RESULTS	10
	6.1	SUMMARY	
	6.1.		
	6.1.		
	6.2	ANTENNA REQUIREMENT	
	6.3	AC Power Line Conducted Emission	
	6.4	EMISSIONS IN RESTRICTED FREQUENCY BANDS	
	6.5	EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	27





4 General Information

4.1 Client Information

Applicant:	TECNO MOBILE LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Manufacturer:	TECNO MOBILE LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

4.2 General Description of E.U.T.

i.2 General Description of L.O.T.			
Product Name:	Mobile Phone		
Model No.:	CH6i		
Operation Frequency:	2402 MHz - 2480 MHz		
Transfer Rate:	1/2/3 Mbits/s		
Number of Channel:	79		
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK		
Modulation Technology:	FHSS		
Antenna Type:	Internal Antenna		
Antenna Gain:	0.5 dBi (declare by applicant)		
Power Supply:	Rechargeable Li-ion polymer Battery DC3.85V, 4900mAh		
AC Adapter:	Model: U180TSA		
	Input: AC100-240V, 50/60Hz, 0.6A		
	Output: DC 5.0V2.4A, 7.5V/2.4A		
Test Sample Condition:	The test samples were provided in good working order with no visible defects.		



Report No.: JYTSZ-R12-2200366

4.3 Test Mode and Test Environment

Test Modes:					
Non-hopping mode:	nopping mode: Keep the EUT in continuous transmitting mode.				
Hopping mode:	Keep the EUT in hopping mode.				
Remark: For AC power line conducted emission and radiated spurious emission, pre-scan GFSK, π/4-DQPSK, 8DPSK modulation mode, found GFSK modulation was worse case mode. The report only reflects the test data of worst mode. Operating Environment:					
Temperature: 15° C ~ 35° C					
Humidity: 20 % ~ 75 % RH					
Atmospheric Pressure: 1010 mbar					

4.4 Description of Support Units

The EUT has been tested as an independent unit.

4.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	±3.11 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.62 dB
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	±5.34 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.

4.6 Additions to, Deviations, or Exclusions From the Method

Nο

4.7 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

4.8 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

JianYan Testing Group Shenzhen Co., Ltd. Report Template No.: JYTSZ4b-149-C1 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





4.9 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	01-19-2021	01-18-2024	
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-17-2022	02-16-2023	
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	06-20-2021	06-19-2022	
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	02-17-2022	02-16-2023	
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	06-18-2021	06-17-2022	
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXG001-7	02-17-2022	02-16-2023	
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXG001-3	02-17-2022	02-16-2023	
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA- 180400G45B	WXG001-9	02-17-2022	02-16-2023	
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	02-17-2022	02-16-2023	
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	11-27-2021	11-26-2022	
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	02-17-2022	02-16-2023	
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN- 8M	WXG001-5	02-17-2022	02-16-2023	
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS- 8M	WXG001-7	02-17-2022	02-16-2023	
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N	/A	
Test Software	Tonscend	TS+		Version: 3.0.0.1		

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal.Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI 3	WXJ003	02-17-2022	02-16-2023	
RF Switch	TOP PRECISION	RSU0301	WXG003	02-17-2022	02-16-2023	
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	02-17-2022	02-16-2023	
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	06-18-2021	06-17-2022	
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	02-17-2022	02-16-2023	
Test Software	AUDIX	E3	Version: 6.110919b			

Conducted Method:						
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	10-25-2021	10-24-2022	
Vector Signal Generator	Keysight	N5182B	WXJ006-6	10-25-2021	10-24-2022	
Signal Generator	Keysight	N5173B	WXJ006-4	10-25-2021	10-24-2022	
Wireless Connectivity Tester	Rohde & Schwarz	CMW270	WXJ008-7	10-25-2021	10-24-2022	
DC Power Supply	Keysight	E3642A	WXJ025-2	10-25-2021	10-24-2022	
Temperature Humidity Chamber	HONG ZHI	CZ-A-80D	WXJ032-3	02-19-2022	02-18-2023	
Power Detector Box	MWRFTEST	MW100-PSB	WXJ007-4	10-25-2021	10-24-2022	
RF Control Unit	MWRFTEST	MW100-RFCB	WXG006	N/A		
Test Software	MWRFTEST	MTS 8310		Version: 2.0.0.0		



5 Measurement Setup and Procedure

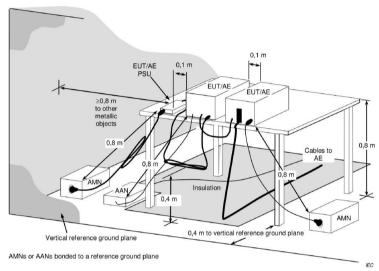
5.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 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:

Lowest channel		Midd	le channel	Highe	est channel
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	39	2441	78	2480

5.2 Test Setup

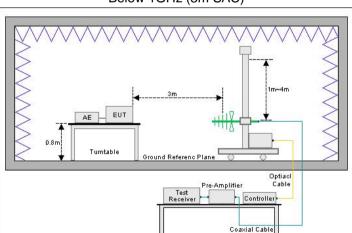
1) Conducted emission measurement:



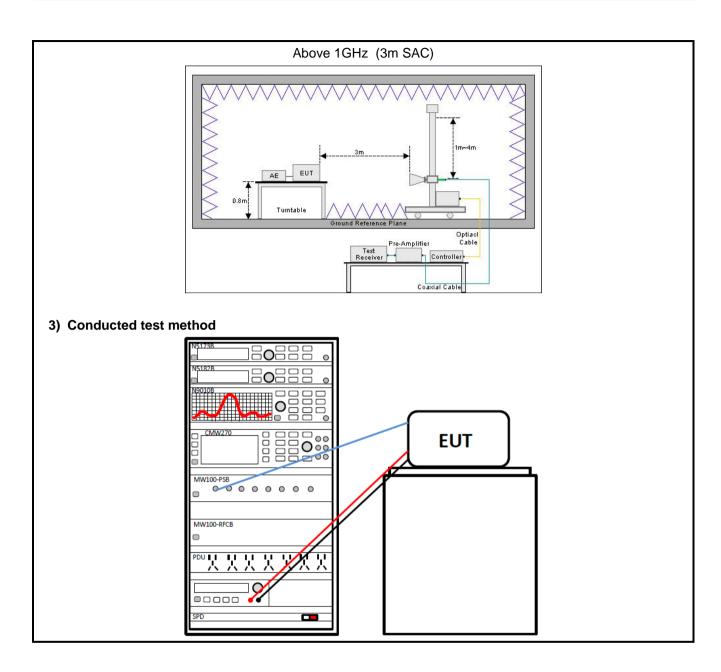
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

Below 1GHz (3m SAC)









5.3 Test Procedure

Test method	Test step
Conducted emission	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	 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 Bluetooth 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.



6 Test Results

6.1 Summary

6.1.1 Clause and data summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 6.2	Pass
AC Power Line Conducted Emission	15.207	See Section 6.3	Pass
Conducted Peak Output Power	15.247 (b)(1)	Appendix – BT	Pass
20dB Occupied Bandwidth	15.247 (a)(1)	Appendix – BT	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Appendix – BT	Pass
Hopping Channel Number	5.247 (a)(1)(iii)	Appendix – BT	Pass
Dwell Time	15.247 (a)(1)(iii)	Appendix – BT	Pass
Band-edge Emission Conduction Spurious	15.247 (d)	Appendix – BT	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 6.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 6.5	Pass

Remark:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. N/A: Not Applicable.
- 3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Method: ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02



6.1.2 Test Limit

Test items			Lim	nit			
		Frequency		Limit (de	3μV)		
		(MHz)	Quas	si-Peak	Average		
AC Power Line Conducted		0.15 – 0.5	66 to	56 Note 1	56 to 46 Note 1		
Emission		0.5 – 5		56	46		
		5 – 30		60	50		
		Note 1: The limit level in dBµ Note 2: The more stringent lin			n of frequency.		
Conducted Peak Output Power	em	frequency hopping sysploying at least 75 non- quency hopping system	overlapping h	opping chann	nels: 1 watt. For all otl	her	
20dB Occupied Bandwidth	Wit	hin authorization band					
Carrier Frequencies	a) 0.025MHz or the 20dB bandwidth (whichever is greater).						
Separation .	b) (0.025MHz or two-thirds	s of the 20dB I	oandwidth (wh	nichever is greater).		
Hopping Channel Number	At I	east 15 channels.			-		
Dwell Time	Not	be greater than 0.4 se	conds.				
Band-edge Emission Conduction Spurious Emission	fred dB high radi the pow per this limi whi	ectrum or digitally modu- quency power that is pro- below that in the 100 kenest level of the desired iated measurement, propeak conducted power limits based on the mitted under paragraph paragraph shall be 30 ts specified in §15.209 ch fall in the restricted on the radiated emission	oduced by the Hz bandwidth d power, base ovided the trainits. If the tuse of RMS and (b)(3) of this dB instead of (a) is not required.	e intentional ra within the bal d on either ar nsmitter demo ransmitter con veraging over section, the a 20 dB. Attenti ired. In additioned in §15.20	adiator shall be at lead and that contains the a RF conducted or a constrates compliance implies with the condu- ar a time interval, as attenuation required usuation below the gene- con, radiated emission (05(a), must also comp	with icted inder eral s	
	Г	Fraguency	Limit (d	RuV/m)			
		Frequency (MHz)	@ 3m	@ 10m	Detector		
		30 – 88	40.0	30.0	Quasi-peak		
Emissions in Restricted		88 – 216	43.5	33.5	Quasi-peak		
Frequency Bands		216 – 960	46.0	36.0	Quasi-peak		
		960 – 1000	54.0	44.0	Quasi-peak		
Emissions in Non-restricted	ed Note: The more stringent limit applies at transition frequencies.						
Frequency Bands		Frequency		Limit (dBµV/n	n) @ 3m		
	Frequency Average Peak				Peake		
		Above 1 GHz	54.0 74.0				
	L	Note: The measurement bandwidth shall be 1 MHz or greater.					



Report No.: JYTSZ-R12-2200366

6.2 Antenna Requirement

Standard requirement: FCC Part 15 C Section 15.203 & 247(b)

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:

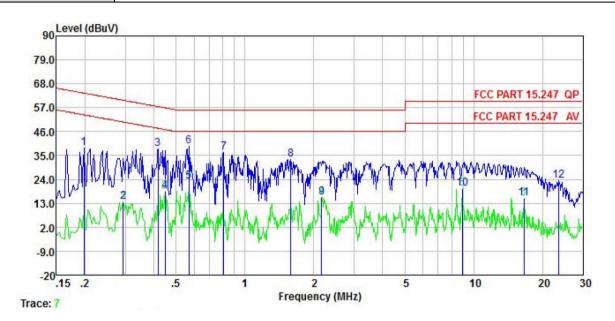
The Bluetooth antenna is an Internal antenna which permanently attached, and the best case gain of the antenna is 0.5 dBi. See product internal photos for details.





6.3 AC Power Line Conducted Emission

Product name:	Mobile Phone	Product model:	CH6i
Test by:	Mike	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



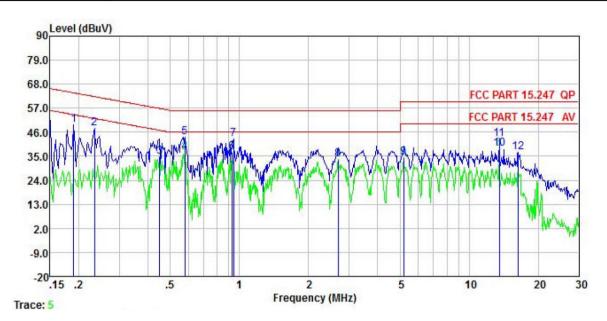
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu√	<u>dB</u>	₫B	dBu₹	dBu∀	<u>d</u> B	
1 2 3 4 5 6 7 8 9	0.198 0.294 0.417 0.447 0.570 0.570 0.809 1.585 2.167 8.916	38. 26 13. 57 37. 76 18. 32 22. 94 39. 05 36. 19 32. 82 15. 64 19. 53	0.04 0.04 0.04 0.04 0.04 0.04 0.06 0.07 0.19	0.04 0.03 0.04 0.03 0.02 0.02 0.03 0.16 0.18	38.34 13.64 37.84 18.39 23.00 39.11 36.26 33.04 15.89 19.83	50.41 57.51 46.93 46.00 56.00 56.00 46.00	-19.67 -28.54 -23.00 -16.89 -19.74 -22.96 -30.11	Average QP Average Average QP QP QP Average
11 12	16.573 23.511	14. 92 23. 09	0. 29 0. 35	0.16 0.17	15.37 23.61	50.00		Average Average QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.



Product name:	Mobile Phone	Product model:	CH6i
Test by:	Mike	Test mode:	BT Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



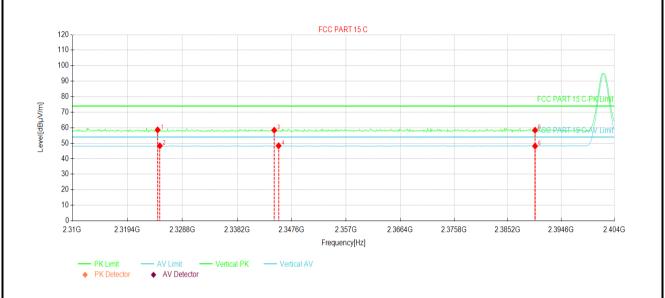
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
_	MHz	dBu∜	dB	dB	dBu₹	dBu₹	dB	
1	0.190	49.15	0.04	0.03	49.22	64.02	-14.80	QP
2	0.234	47.65	0.04	0.02	47.71	62.30	-14.59	QP
2	0.449	34.85	0.04	0.03	34.92	46.89	-11.97	Average
4 5	0.579	36.90	0.04	0.02	36.96	46.00	-9.04	Average
5	0.579	43.84	0.04	0.02	43.90	56.00	-12.10	QP
6	0.928	36.83	0.05	0.04	36.92	46.00	-9.08	Average
7	0.943	42.86	0.05	0.04	42.95	56.00	-13.05	QP
8	2.692	33.33	0.07	0.11	33.51	46.00	-12.49	Average
8	5.194	34.17	0.10	0.09	34.36	50.00	-15.64	Average
10	13.551	37.92	0.23	0.12	38.27	50.00	-11.73	Average
11	13.551	42.63	0.23	0.12	42.98	60.00	-17.02	QP
12	16.312	36.59	0.26	0.16	37.01	60.00	-22.99	QP

1. Level = Read level + LISN Factor + Cable Loss.



6.4 Emissions in Restricted Frequency Bands

Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



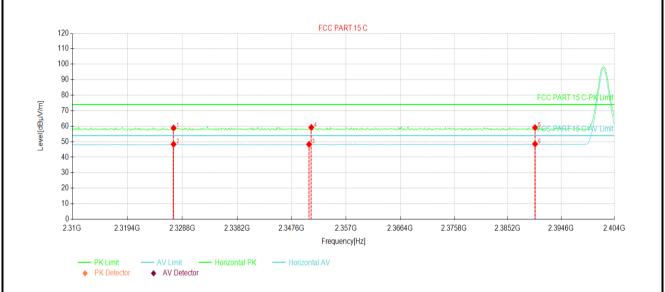
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2324.57	23.21	58.58	35.37	74.00	15.42	PK	Vertical
2	2324.94	12.94	48.32	35.38	54.00	5.68	AV	Vertical
3	2344.59	22.86	58.38	35.52	74.00	15.62	PK	Vertical
4	2345.34	12.84	48.36	35.52	54.00	5.64	AV	Vertical
5	2390.00	22.53	58.37	35.84	74.00	15.63	PK	Vertical
6	2390.00	12.30	48.14	35.84	54.00	5.86	AV	Vertical

Remark:

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		

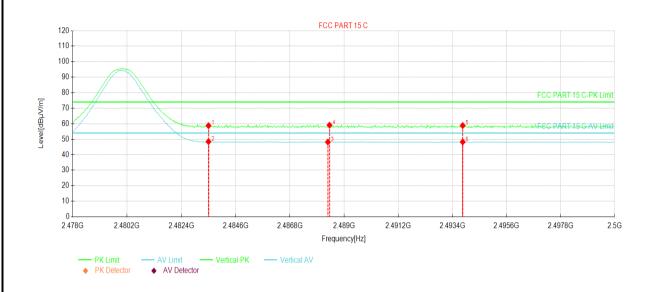


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2327.29	23.48	58.87	35.39	74.00	15.13	PK	Horizontal
2	2327.29	12.99	48.38	35.39	54.00	5.62	AV	Horizontal
3	2350.60	12.73	48.29	35.56	54.00	5.71	AV	Horizontal
4	2350.98	23.66	59.22	35.56	74.00	14.78	PK	Horizontal
5	2390.00	23.23	59.07	35.84	74.00	14.93	PK	Horizontal
6	2390.00	12.69	48.53	35.84	54.00	5.47	AV	Horizontal

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

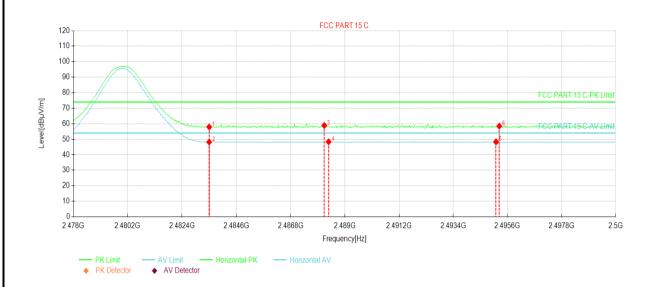


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	23.00	58.72	35.72	74.00	15.28	PK	Vertical
2	2483.50	12.73	48.45	35.72	54.00	5.55	AV	Vertical
3	2488.34	12.48	48.19	35.71	54.00	5.81	AV	Vertical
4	2488.40	23.35	59.06	35.71	74.00	14.94	PK	Vertical
5	2493.81	23.14	58.83	35.69	74.00	15.17	PK	Vertical
6	2493.81	12.55	48.24	35.69	54.00	5.76	AV	Vertical

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	_	



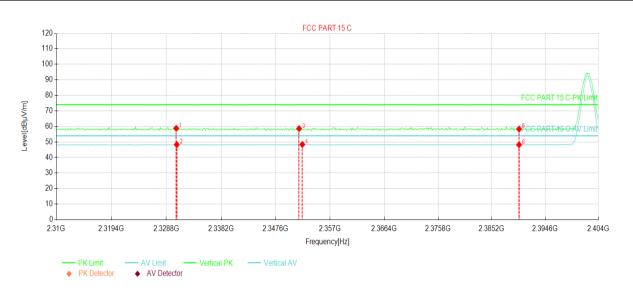
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	22.17	57.89	35.72	74.00	16.11	PK	Horizontal
2	2483.50	12.46	48.18	35.72	54.00	5.82	AV	Horizontal
3	2488.16	23.13	58.84	35.71	74.00	15.16	PK	Horizontal
4	2488.34	12.61	48.32	35.71	54.00	5.68	AV	Horizontal
5	2495.13	12.60	48.29	35.69	54.00	5.71	AV	Horizontal
6	2495.27	22.76	58.45	35.69	74.00	15.55	PK	Horizontal

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



π/4-DQPSK mode

Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



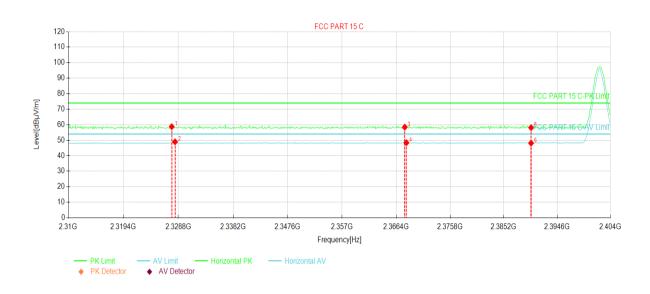
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2330.49	23.39	58.81	35.42	74.00	15.19	PK	Vertical
2	2330.58	12.84	48.26	35.42	54.00	5.74	AV	Vertical
3	2351.64	23.03	58.60	35.57	74.00	15.40	PK	Vertical
4	2352.20	12.81	48.38	35.57	54.00	5.62	AV	Vertical
5	2390.00	22.47	58.31	35.84	74.00	15.69	PK	Vertical
6	2390.00	12.33	48.17	35.84	54.00	5.83	AV	Vertical

Remark:

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	_	

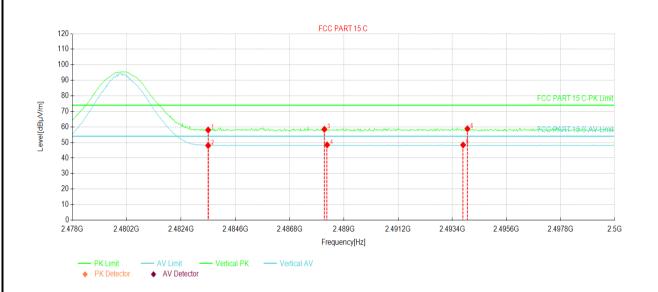


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2327.67	23.33	58.73	35.40	74.00	15.27	PK	Horizontal
2	2328.23	13.57	48.97	35.40	54.00	5.03	AV	Horizontal
3	2367.90	22.75	58.43	35.68	74.00	15.57	PK	Horizontal
4	2368.18	12.71	48.39	35.68	54.00	5.61	AV	Horizontal
5	2390.00	22.28	58.12	35.84	74.00	15.88	PK	Horizontal
6	2390.00	12.28	48.12	35.84	54.00	5.88	AV	Horizontal

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

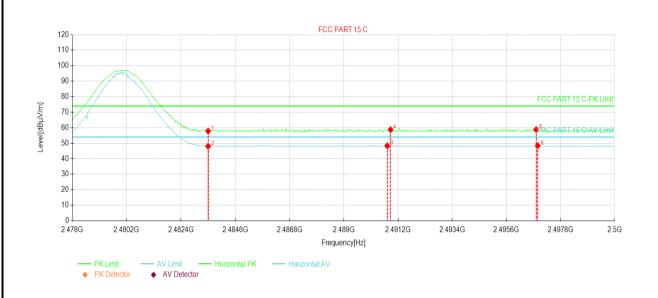


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	22.32	58.04	35.72	74.00	15.96	PK	Vertical
2	2483.50	12.32	48.04	35.72	54.00	5.96	AV	Vertical
3	2488.20	22.77	58.48	35.71	74.00	15.52	PK	Vertical
4	2488.31	12.74	48.45	35.71	54.00	5.55	AV	Vertical
5	2493.84	12.71	48.40	35.69	54.00	5.60	AV	Vertical
6	2494.01	23.13	58.82	35.69	74.00	15.18	PK	Vertical

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	2DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	22.12	57.84	35.72	74.00	16.16	PK	Horizontal
2	2483.50	12.36	48.08	35.72	54.00	5.92	AV	Horizontal
3	2490.76	12.61	48.31	35.70	54.00	5.69	AV	Horizontal
4	2490.89	23.03	58.73	35.70	74.00	15.27	PK	Horizontal
5	2496.81	23.11	58.80	35.69	74.00	15.20	PK	Horizontal
6	2496.87	12.72	48.41	35.69	54.00	5.59	AV	Horizontal

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



8DPSK mode

Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



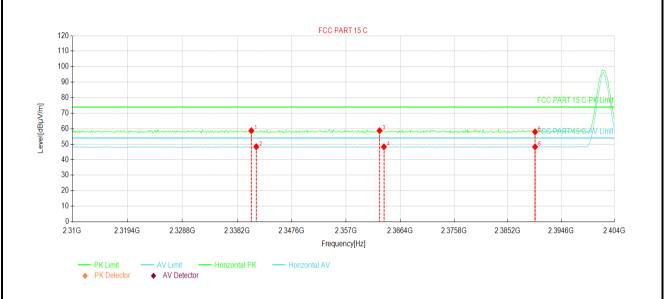
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2324.28	12.97	48.34	35.37	54.00	5.66	AV	Vertical
2	2324.38	23.48	58.85	35.37	74.00	15.15	PK	Vertical
3	2358.69	23.45	59.07	35.62	74.00	14.93	PK	Vertical
4	2358.78	12.70	48.32	35.62	54.00	5.68	AV	Vertical
5	2390.00	22.09	57.93	35.84	74.00	16.07	PK	Vertical
6	2390.00	12.25	48.09	35.84	54.00	5.91	AV	Vertical

Remark:

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		

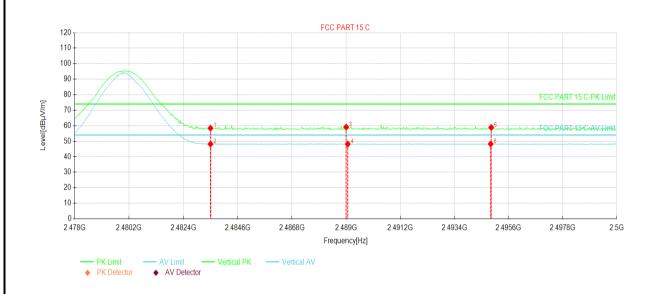


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2340.64	23.23	58.72	35.49	74.00	15.28	PK	Horizontal
2	2341.49	12.87	48.36	35.49	54.00	5.64	AV	Horizontal
3	2362.82	23.12	58.77	35.65	74.00	15.23	PK	Horizontal
4	2363.58	12.64	48.29	35.65	54.00	5.71	AV	Horizontal
5	2390.00	22.11	57.95	35.84	74.00	16.05	PK	Horizontal
6	2390.00	12.42	48.26	35.84	54.00	5.74	AV	Horizontal

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

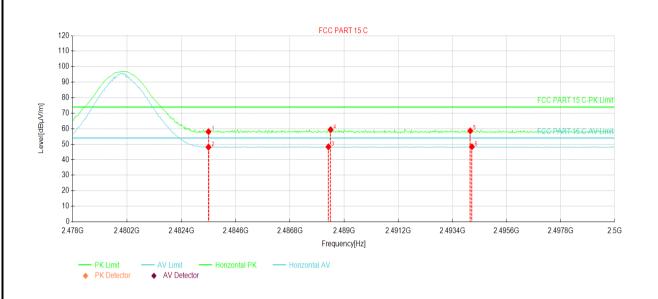


NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	22.71	58.43	35.72	74.00	15.57	PK	Vertical
2	2483.50	12.43	48.15	35.72	54.00	5.85	AV	Vertical
3	2489.00	23.43	59.14	35.71	74.00	14.86	PK	Vertical
4	2489.06	12.48	48.19	35.71	54.00	5.81	AV	Vertical
5	2494.87	12.53	48.22	35.69	54.00	5.78	AV	Vertical
6	2494.89	23.17	58.86	35.69	74.00	15.14	PK	Vertical

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	3DH1 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.50	22.37	58.09	35.72	74.00	15.91	PK	Horizontal
2	2483.50	12.39	48.11	35.72	54.00	5.89	AV	Horizontal
3	2488.36	12.59	48.30	35.71	54.00	5.70	AV	Horizontal
4	2488.45	23.67	59.38	35.71	74.00	14.62	PK	Horizontal
5	2494.12	22.96	58.65	35.69	74.00	15.35	PK	Horizontal
6	2494.19	12.71	48.40	35.69	54.00	5.60	AV	Horizontal

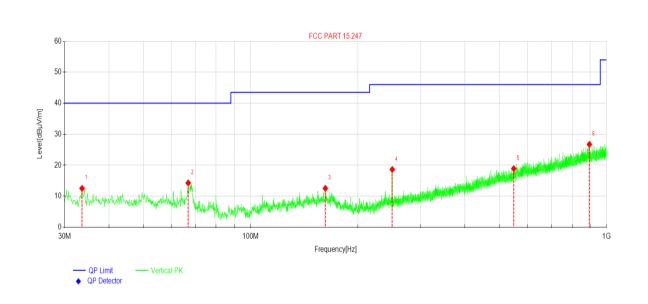
1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



6.5 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	BT Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



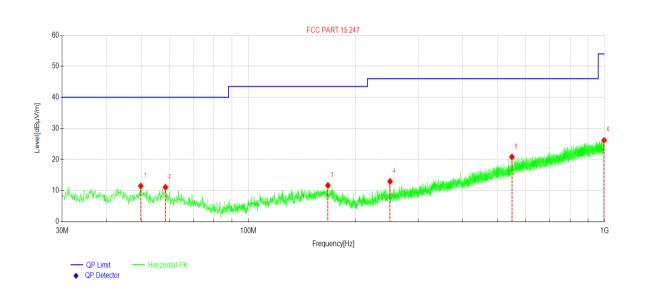
NO.	Freq. [MHz]	Reading[d BuV/m]	Level [dBuV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	33.5894	26.99	12.54	-14.45	40.00	27.46	PK	Vertical
2	66.7667	30.62	14.30	-16.32	40.00	25.70	PK	Vertical
3	162.127	25.96	12.55	-13.41	43.50	30.95	PK	Vertical
4	250.018	33.08	18.64	-14.44	46.00	27.36	PK	Vertical
5	548.613	25.46	18.90	-6.56	46.00	27.10	PK	Vertical
6	895.132	26.90	26.74	-0.16	46.00	19.26	PK	Vertical

Remark

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.



Product Name:	Mobile Phone	Product Model:	CH6i
Test By:	Mike	Test mode:	BT Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



NO.	Freq. [MHz]	Reading[d BuV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	49.8870	25.25	11.44	-13.81	40.00	28.56	PK	Horizontal
2	58.5209	25.89	11.05	-14.84	40.00	28.95	PK	Horizontal
3	167.268	25.54	11.65	-13.89	43.50	31.85	PK	Horizontal
4	250.018	27.38	12.94	-14.44	46.00	33.06	PK	Horizontal
5	549.584	27.37	20.82	-6.55	46.00	25.18	PK	Horizontal
6	997.768	25.35	26.19	0.84	54.00	27.81	PK	Horizontal

1. Level = Read level + Antenna Factor + Cable Loss - Preamplifier Factor.





Above 1GHz:

		Test o	channel: Lowest cl	hannel		
		D	etector: Peak Valu	ue	1	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
4804.00	57.19	-9.60	47.59	74.00	26.41	Vertical
4804.00	56.29	-9.60	46.69	74.00	27.31	Horizonta
		Det	ector: Average Va	alue		
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarizatio
4804.00	52.71	-9.60	43.11	54.00	10.89	Vertical
4804.00	51.71	-9.60	42.11	54.00	11.89	Horizonta
			channel: Middle ch			
	T	D I	etector: Peak Valı		T	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarizatio
4882.00	56.71	-9.05	47.66	74.00	26.34	Vertical
4882.00	55.92	-9.05	46.87	74.00	27.13	Horizontal
		Det	ector: Average Va	alue	l	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarizatio
4882.00	52.25	-9.05	43.20	54.00	10.80	Vertical
4882.00	52.11	-9.05	43.06	54.00	10.94	Horizonta
		Test c	hannel: Highest c	hannel		
		D	etector: Peak Val	ue	T	
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarizatio
4960.00	56.75	-8.45	48.30	74.00	25.70	Vertical
4960.00	56.27	-8.45	47.82	74.00	26.18	Horizonta
+300.00		Det	ector: Average Va	alue		
+300.00		ĺ	Level	Limit	Margin	Polarizatio
Frequency (MHz)	Read Level (dBuV)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Folarizatio
Frequency		Factor(dB) -8.45		(dBuV/m) 54.00	(dB) 10.48	Vertical

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