

Prüfbericht-Nr.: <i>Test report no.:</i>	CN241YDA 001	Auftrags-Nr.: <i>Order no.:</i>	168504650	Seite 1 von 22 <i>Page 1 of 22</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-09-18	
Auftraggeber: <i>Client:</i>	SZ DJI Osmo Technology Co., Ltd. Room S11, Floor 23, Tower 1, DJI Sky City, No. 55 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.			
Prüfgegenstand: <i>Test item:</i>	Osmo Mobile 7			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	DS307			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 3 August 2023 RSS-Gen Issue 5 February 2021			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-09-23	Please refer to Photo Document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003820450-004~008			
Prüfzeitraum: <i>Testing period:</i>	2024-09-24 - 2024-10-10			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	X <u>Hardy Suo</u>		genehmigt von: <i>authorized by:</i>	X <u>Lin Lin</u>
Datum: <i>Date:</i>	2024-10-18		Ausstellungsdatum: <i>Issue date:</i>	2024-10-18
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / <i>Other:</i>	FCC ID: 2ANDR-DS307 IC: 23060-DS307, HVIN: DS307			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet			
* Legend:	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested			
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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of Bluetooth LE

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. China.

FCC Accreditation Designation No.: CN1260

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2024-09-26	2025-09-25
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2024-09-26	2025-09-25
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2024-09-26	2025-09-25
DC power supply	Keysight	E3642A	MY61276100	2024-09-26	2025-09-25
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2024-09-26	2025-09-25
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2024-09-26	2025-09-25
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
Shielding Room 1#	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2024-09-29	2025-09-28
Signal Analyzer	R&S	FSV 40	101439	2024-09-29	2025-09-28
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2024-09-29	2025-09-28
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2024-09-29	2025-09-28
Amplifier	R&S	SCU-18F	180070	2024-09-29	2025-09-28
Amplifier	R&S	SCU40A	100475	2024-09-29	2025-09-28
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2025-09-27

Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2025-09-27
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2025-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2025-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	2025-02-22
Artificial Mains Network	R&S	ENV216	102333	2025-07-22
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. China. is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is an Osmo Mobile 7, which supports Bluetooth low energy wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Osmo Mobile 7
Type Designation:	DS307
FCC ID:	2ANDR-DS307
IC:	23060-DS307
HVIN:	DS307
Operating Voltage:	DC 3.6V by Li-ion battery or DC 5V/2A from Type-C port
Operating Temperature Range:	-10 °C ~ +45 °C
Technical Specification of Bluetooth LE	
Frequency Range:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Data rate	1Mbps, 2Mbps
Channel Separation:	2 MHz
Antenna Type:	Integral Antenna
Antenna Gain:	2.46 dBi (Provided by the Client)

Table 4: RF Channel and Frequency of Bluetooth LE

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	2402.00	10	2422.00	20	2442.00	30	2462.00
01	2404.00	11	2424.00	21	2444.00	31	2464.00
02	2406.00	12	2426.00	22	2446.00	32	2466.00
03	2408.00	13	2428.00	23	2448.00	33	2468.00
04	2410.00	14	2430.00	24	2450.00	34	2470.00
05	2412.00	15	2432.00	25	2452.00	35	2472.00
06	2414.00	16	2434.00	26	2454.00	36	2474.00
07	2416.00	17	2436.00	27	2456.00	37	2476.00
08	2418.00	18	2438.00	28	2458.00	38	2478.00
09	2420.00	19	2440.00	29	2460.00	39	2480.00

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for Bluetooth LE

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth LE transmitting mode

- 1) Low Channel
- 2) Middle Channel
- 3) High Channel

B. On, Normal operating

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- Operation Description
- PCB Layout
- User Manual
- Block Diagram
- FCC/IC Label and Location Info

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model DS307 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8
Mobile Phone	HUAWEI	BNE-AL00	9CR9K23417000279
AC/DC Adapter	HuntKey	PD-30CN	Input: 100-240V~50/60Hz, 0.8A Max Output: 3.3-11V/2.72A or 5V/3A or 9V/3A or 12V/2.5A or 15V/2A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

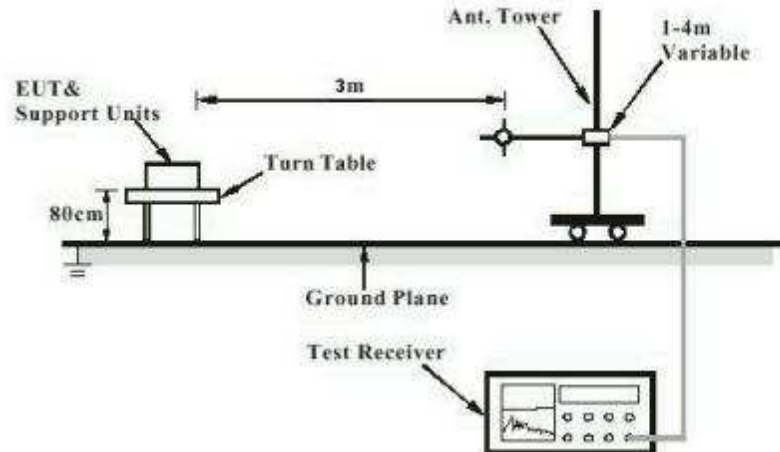


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

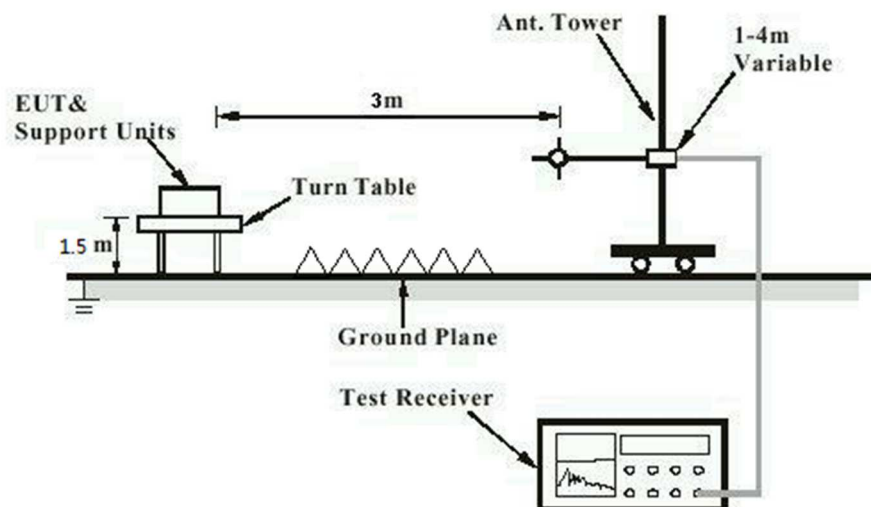


Diagram of Measurement Configuration for Mains Conduction Measurement

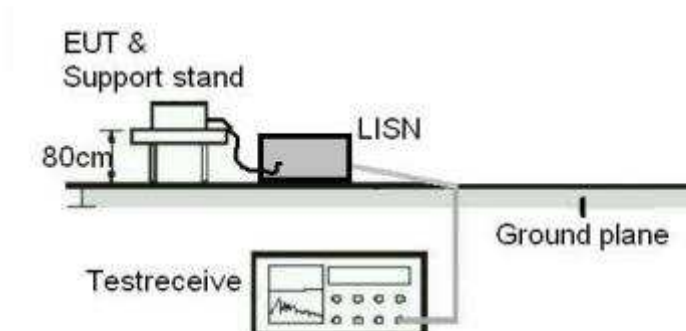
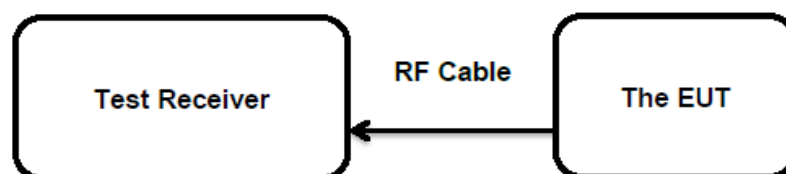


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen Clause 6.8

According to the manufacturer declared, the EUT has an Integral Antenna, the directional gain of antenna is 2.46 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 15.247(b)(3) RSS-247 Section 5.4(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	DSSS < 1.0 Watts e.i.r.p. < 4.0 Watts
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2024-09-25
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 °C
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

Table 6: Test Result of Maximum Peak Conducted Output Power

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
Bluetooth LE	1 Mbps	2402	6.02	0.0040	< 1.0
		2440	6.03	0.0040	
		2480	5.88	0.0039	
	2 Mbps	2402	5.91	0.0039	
		2440	5.99	0.0040	
		2480	5.89	0.0039	
Maximum Measured Value			6.03	0.0040	
Max. e.i.r.p.=6.03dBm+2.46dBi=8.49dBm, which is less than 36dBm=4W.					

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 2.46 dBi
e.i.r.p.=P_(Peak power)+ G, which is far below the 4 W

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5.1.3 Conducted Power Spectral Density

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(e) RSS-247 Section 5.2(b)
Basic standard	: ANSI C63.10: 2013
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-09-25
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.4 6dB Bandwidth

RESULT:**Pass****Test Specification**

Test standard	:	FCC Part 15.247(a)(2) RSS-247 Section 5.2(a)
Basic standard	:	ANSI C63.10: 2013
Limits	:	> 500 kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2024-09-25
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 °C
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

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5.1.5 99% Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: RSS-Gen Clause 6.7
Basic standard	: ANSI C63.10: 2013
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-09-25
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.247(d) RSS-247 Section 5.5
Basic standard	: ANSI C63.10: 2013
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-09-25
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

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5.1.7 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Section 3.3
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Section 8.9 & 8.10
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2024-10-10
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

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5.1.8 Conducted Emission on AC Mains

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	: ANSI C63.10: 2013
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2024-09-24
Input voltage	: AC 120V, 60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: 24.2 °C
Relative humidity	: 52.2 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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Appendix A: Test Results of Bluetooth LE

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Appendix A.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	4.33	≤8.00	PASS
		2440	4.43	≤8.00	PASS
		2480	4.17	≤8.00	PASS
BLE_2M	Ant1	2402	4.27	≤8.00	PASS
		2440	4.39	≤8.00	PASS
		2480	4.21	≤8.00	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.636	2401.672	2402.308	0.5	PASS
		2440	0.644	2439.668	2440.312	0.5	PASS
		2480	0.640	2479.668	2480.308	0.5	PASS
BLE_2M	Ant1	2402	1.112	2401.420	2402.532	0.5	PASS
		2440	1.128	2439.420	2440.548	0.5	PASS
		2480	1.136	2479.420	2480.556	0.5	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0177	2401.4820	2402.4997	---	PASS
		2440	1.0202	2439.4814	2440.5016	---	PASS
		2480	1.0201	2479.4815	2480.5016	---	PASS
BLE_2M	Ant1	2402	2.0562	2400.9726	2403.0288	---	PASS
		2440	2.0550	2438.9740	2441.0290	---	PASS
		2480	2.0567	2478.9764	2481.0331	---	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.59	-44.81	≤-14.41	PASS
		High	2480	5.45	-45.11	≤-14.55	PASS
BLE_2M	Ant1	Low	2402	5.57	-31.85	≤-14.43	PASS
		High	2480	5.38	-44.81	≤-14.62	PASS

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402





Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.57	5.57	---	PASS
			30~1000	5.57	-41.52	≤-14.42	PASS
			1000~26500	5.57	-33.07	≤-14.42	PASS
		2440	Reference	5.66	5.66	---	PASS
			30~1000	5.66	-41.24	≤-14.34	PASS
			1000~26500	5.66	-32.47	≤-14.34	PASS
		2480	Reference	5.39	5.39	---	PASS
			30~1000	5.39	-42.00	≤-14.61	PASS
			1000~26500	5.39	-32.98	≤-14.61	PASS
BLE_2M	Ant1	2402	Reference	5.50	5.50	---	PASS
			30~1000	5.50	-41.52	≤-14.50	PASS
			1000~26500	5.50	-33.27	≤-14.50	PASS
		2440	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-41.83	≤-14.39	PASS
			1000~26500	5.61	-32.98	≤-14.39	PASS
		2480	Reference	5.43	5.43	---	PASS
			30~1000	5.43	-41.86	≤-14.57	PASS
			1000~26500	5.43	-32.85	≤-14.57	PASS

BLE 1M Ant1 2402_0~Reference



BLE 1M Ant1 2402_30~1000



BLE 1M Ant1 2402_1000~26500



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference

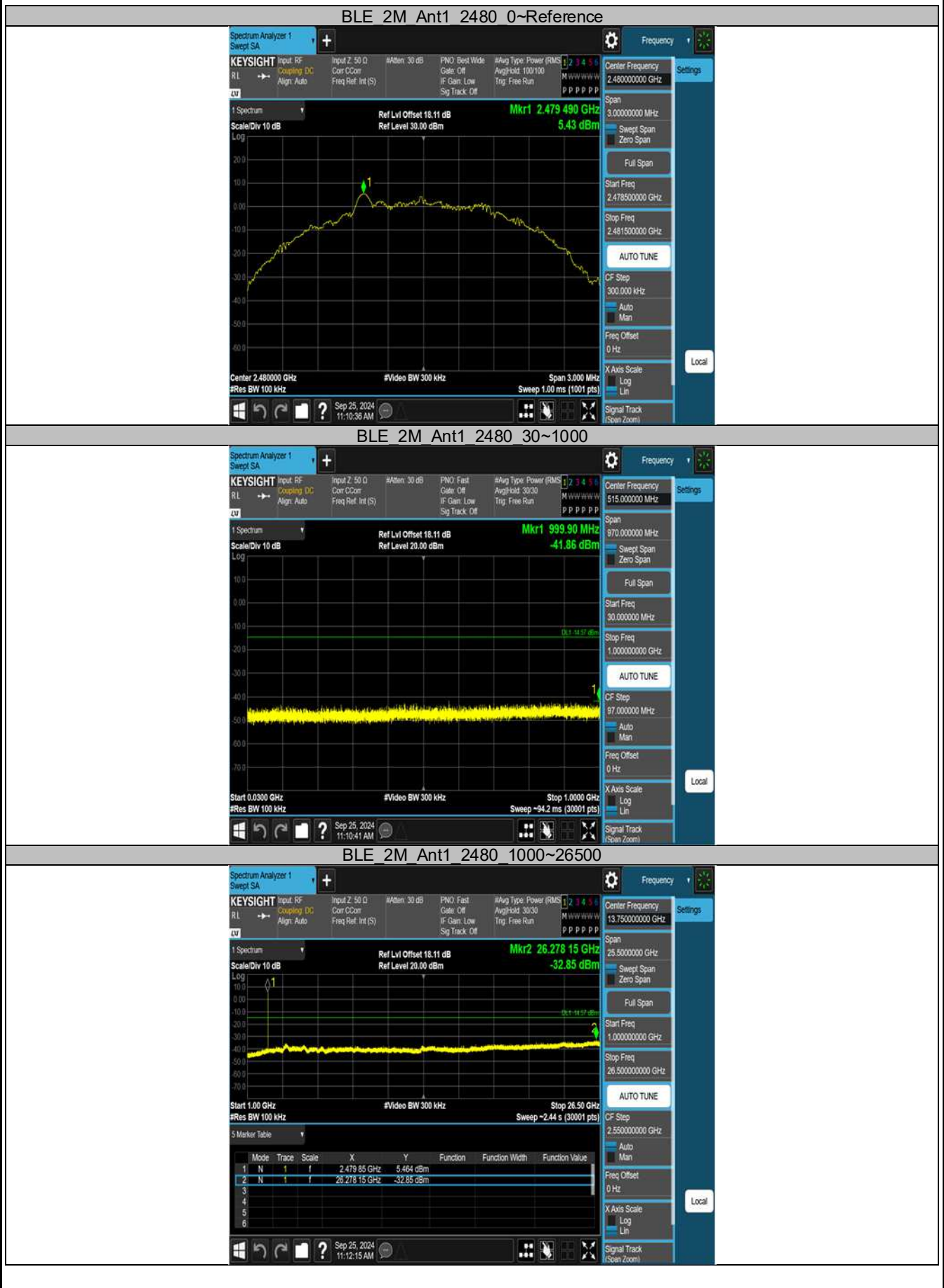


BLE 2M Ant1 2440 30~1000



BLE 2M Ant1 2440 1000~26500





Appendix A.5: Test Results of Radiated Spurious Emissions

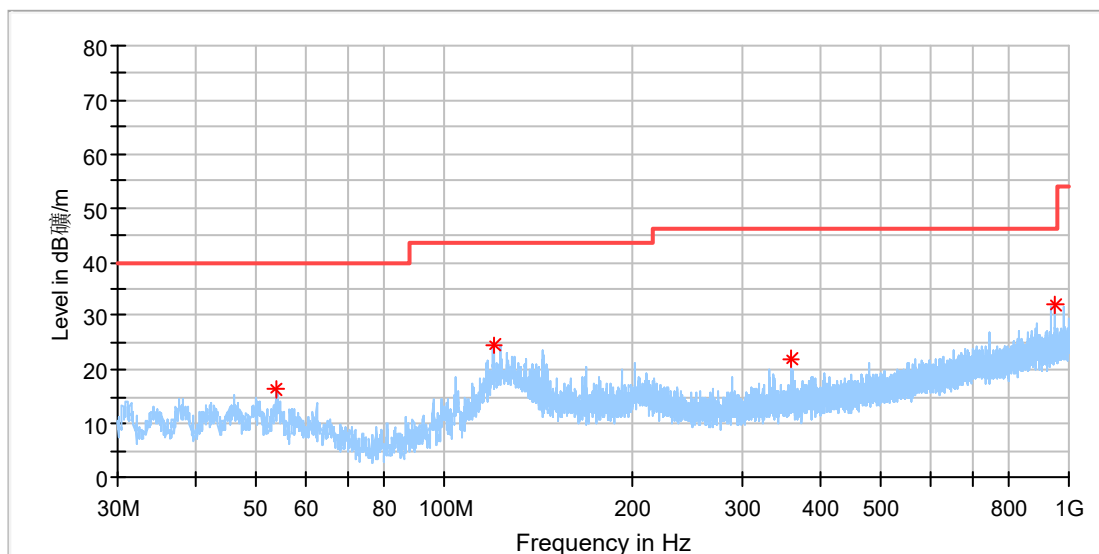
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

EUT Information

EUT Name:	Osmo Mobile 7
Model:	DS307
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168504650/A003820450-004
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

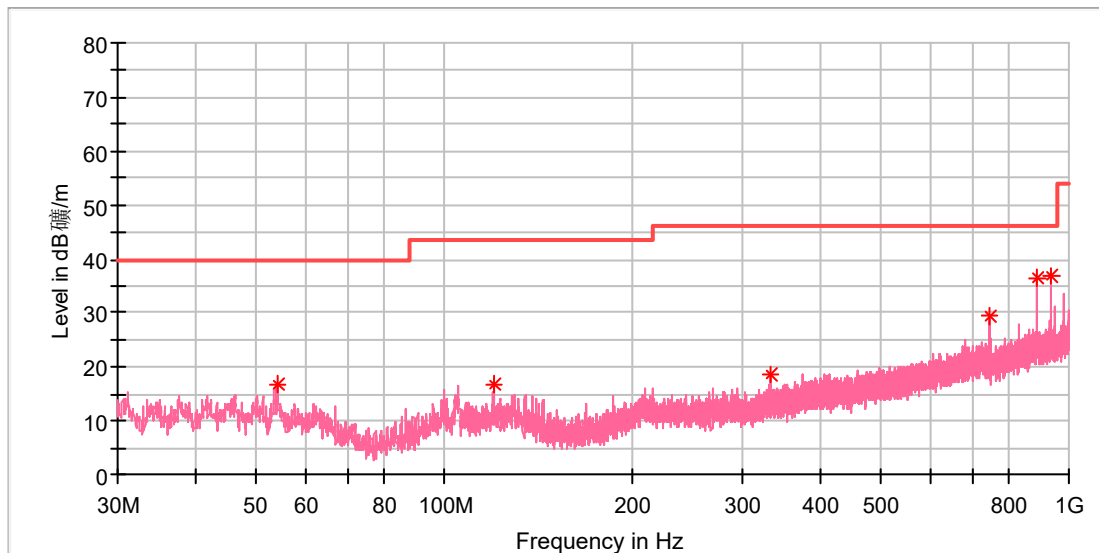
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.876923	16.42	40.00	23.58	100.0	H	15.0	-18.5
119.986154	24.55	43.50	18.95	100.0	H	6.0	-20.9
358.456923	22.13	46.00	23.87	100.0	H	15.0	-14.7
950.418077	32.11	46.00	13.89	100.0	H	42.0	-4.3

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.138077	16.66	40.00	23.34	100.0	V	76.0	-18.5
119.986154	16.72	43.50	26.78	100.0	V	91.0	-20.9
332.080385	18.60	46.00	27.40	100.0	V	172.0	-15.3
742.502308	29.30	46.00	16.70	100.0	V	301.0	-7.2
891.024231	36.52	46.00	9.48	100.0	V	117.0	-4.9
937.546923	36.65	46.00	9.35	100.0	V	196.0	-4.4

Final Result

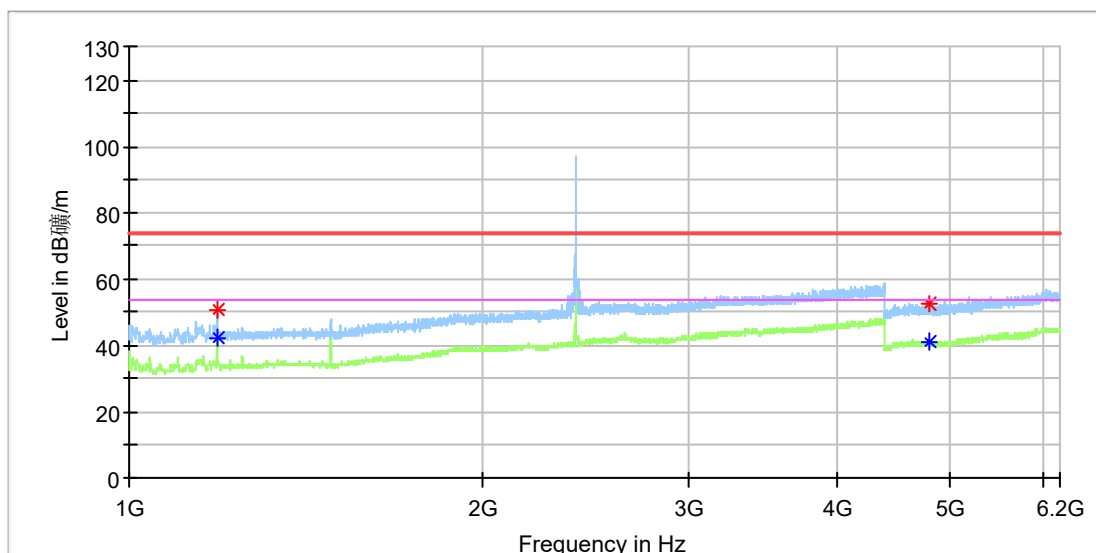
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Osmo Mobile 7
Model:	DS307
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168504650/A003820450-004
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

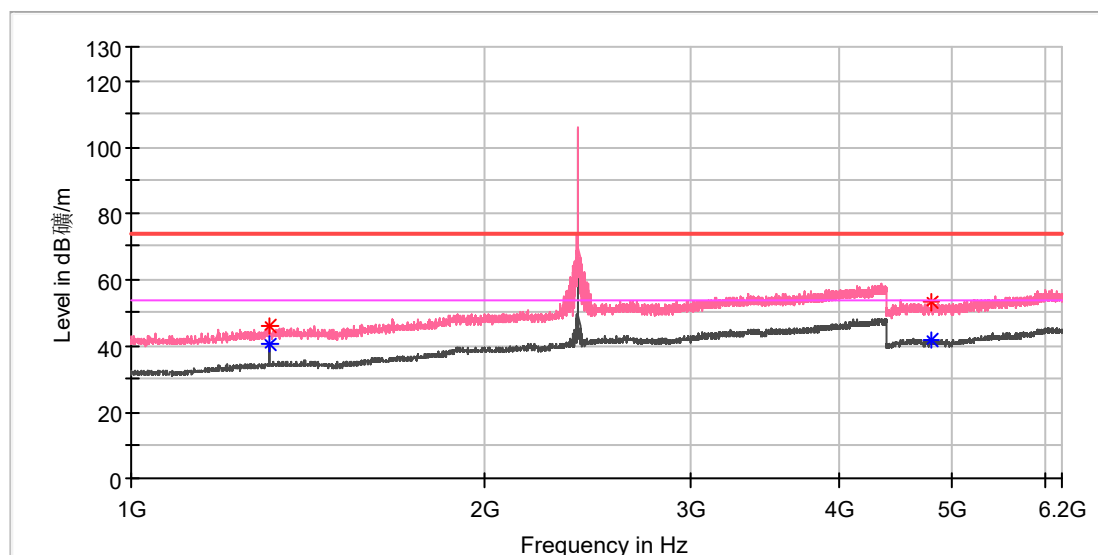
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1187.500000	50.69	---	74.00	23.31	150.0	H	0.0	1.7
1188.000000	---	42.35	54.00	11.65	150.0	H	333.0	1.7
4803.000000	52.31	---	74.00	21.69	150.0	H	225.0	13.3
4809.500000	---	41.08	54.00	12.92	150.0	H	26.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

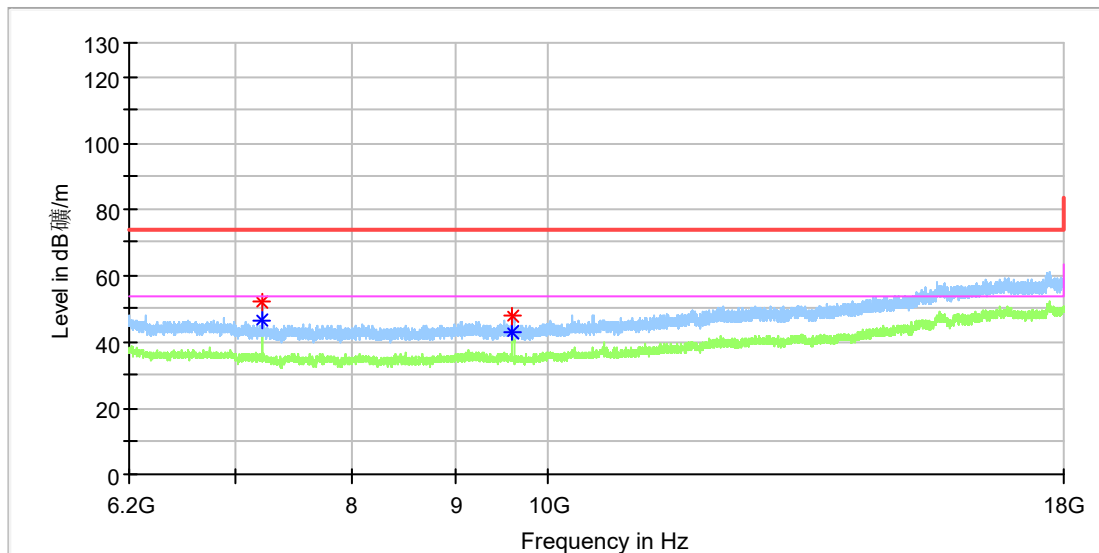
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.000000	46.17	---	74.00	27.83	150.0	V	197.0	2.8
1312.500000	---	40.47	54.00	13.53	150.0	V	178.0	2.8
4804.000000	---	41.76	54.00	12.24	150.0	V	231.0	13.3
4804.500000	53.19	---	74.00	20.81	150.0	V	300.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

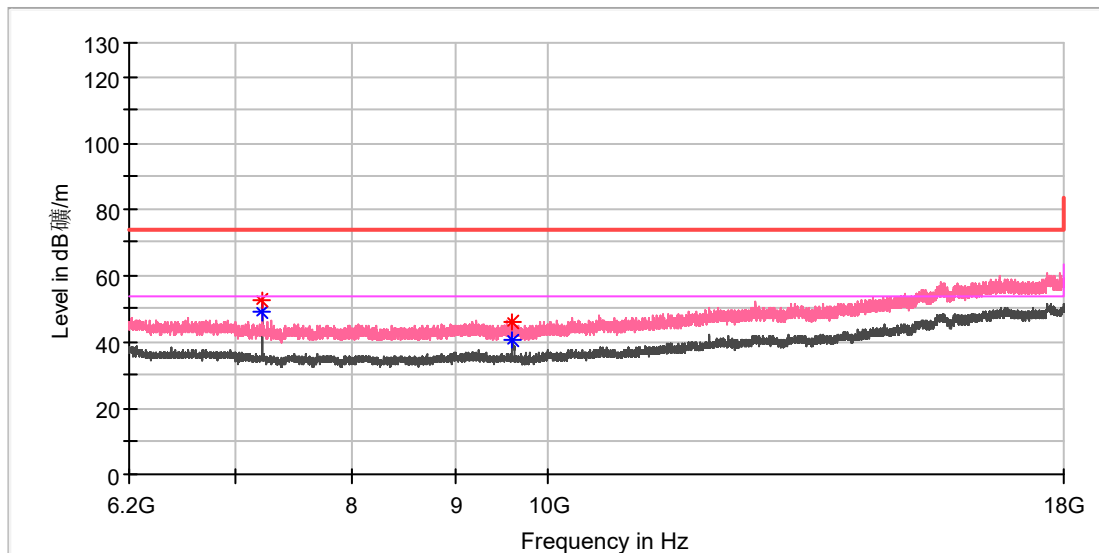
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	---	46.81	54.00	7.19	150.0	H	311.0	8.8
7206.441667	52.14	---	74.00	21.86	150.0	H	298.0	8.8
9606.758333	47.86	---	74.00	26.14	150.0	H	336.0	10.4
9607.250000	---	43.05	54.00	10.95	150.0	H	336.0	10.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

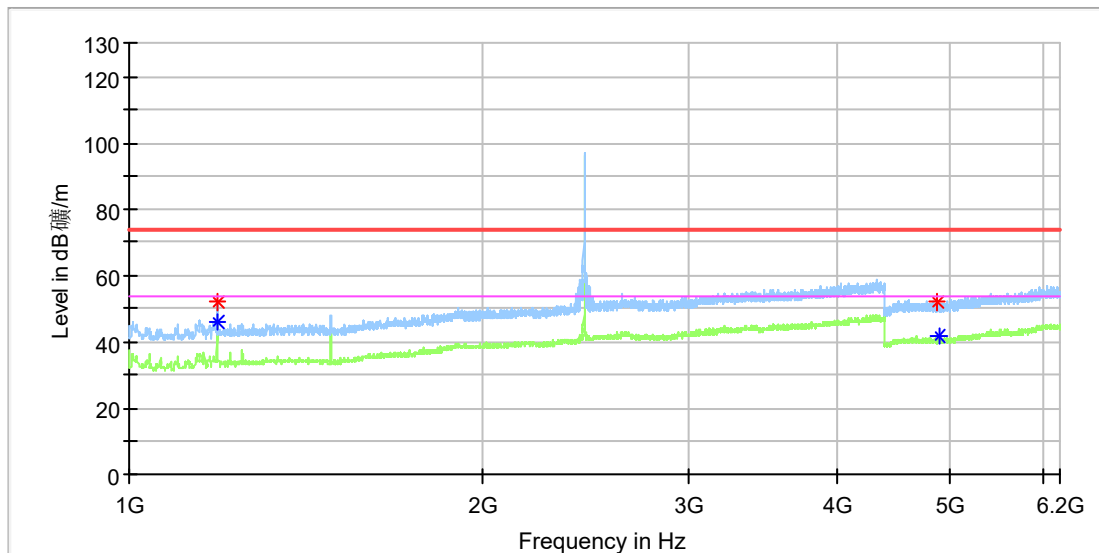
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	52.55	---	74.00	21.45	150.0	V	61.0	8.8
7204.966667	---	49.26	54.00	4.74	150.0	V	61.0	8.8
9606.758333	45.91	---	74.00	28.09	150.0	V	316.0	10.4
9607.250000	---	40.26	54.00	13.74	150.0	V	329.0	10.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

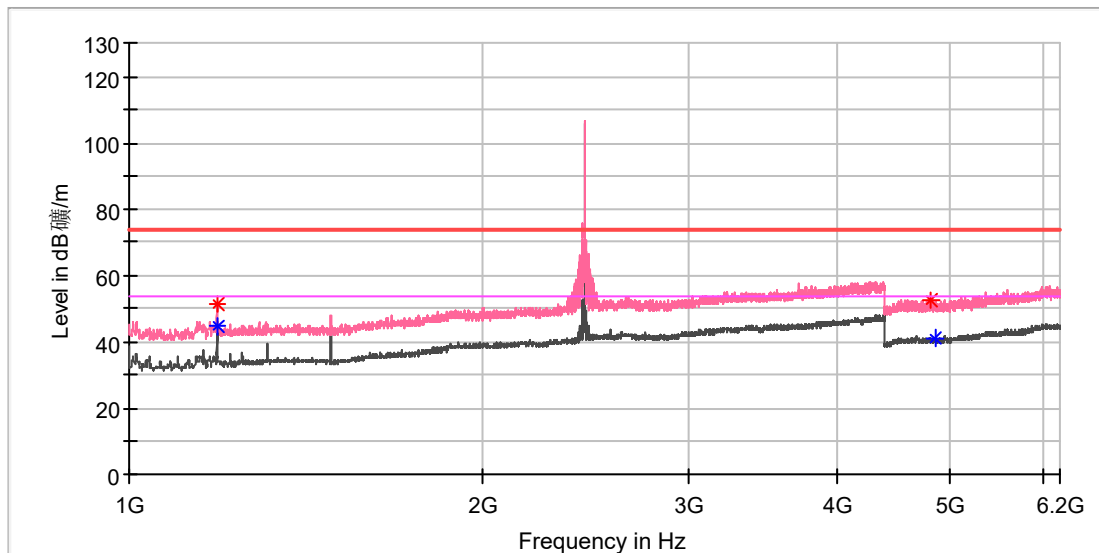
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1187.500000	52.02	---	74.00	21.98	150.0	H	92.0	1.7
1188.000000	---	45.92	54.00	8.08	150.0	H	28.0	1.7
4872.000000	51.91	---	74.00	22.09	150.0	H	92.0	13.3
4905.000000	---	41.46	54.00	12.54	150.0	H	278.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

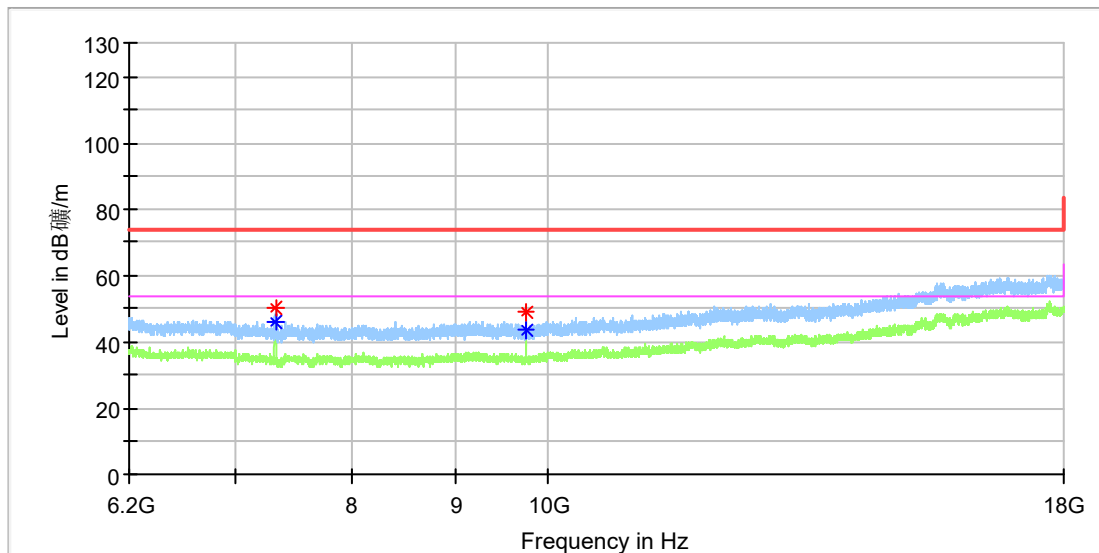
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1187.500000	51.58	---	74.00	22.42	150.0	V	325.0	1.7
1188.000000	---	44.72	54.00	9.28	150.0	V	140.0	1.7
4814.000000	52.58	---	74.00	21.42	150.0	V	18.0	13.3
4862.000000	---	41.06	54.00	12.94	150.0	V	275.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

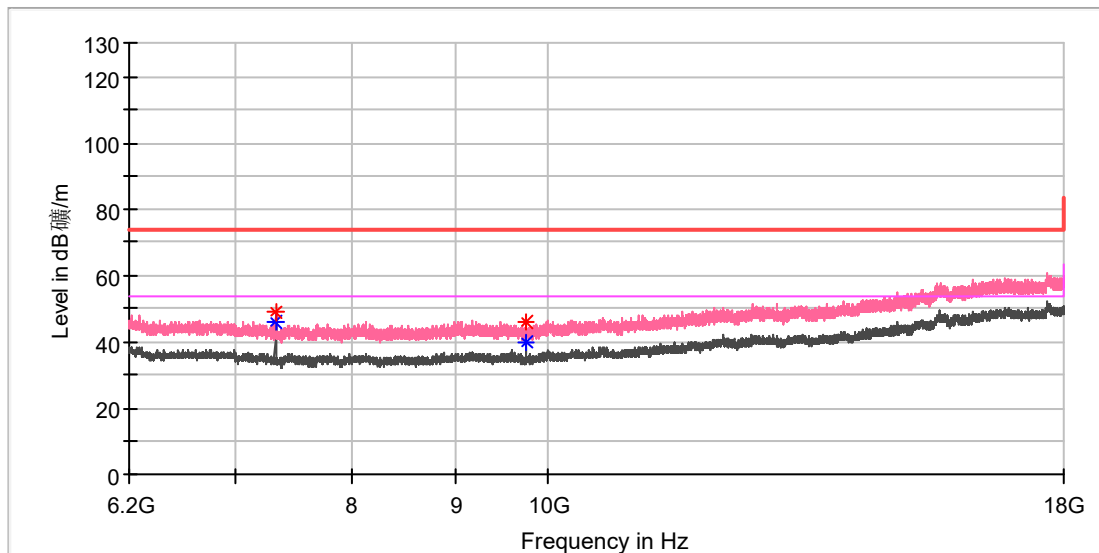
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	50.21	---	74.00	23.79	150.0	H	301.0	8.2
7319.033333	---	45.94	54.00	8.06	150.0	H	301.0	8.2
9758.683333	---	43.72	54.00	10.28	150.0	H	341.0	10.4
9759.175000	49.00	---	74.00	25.00	150.0	H	341.0	10.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

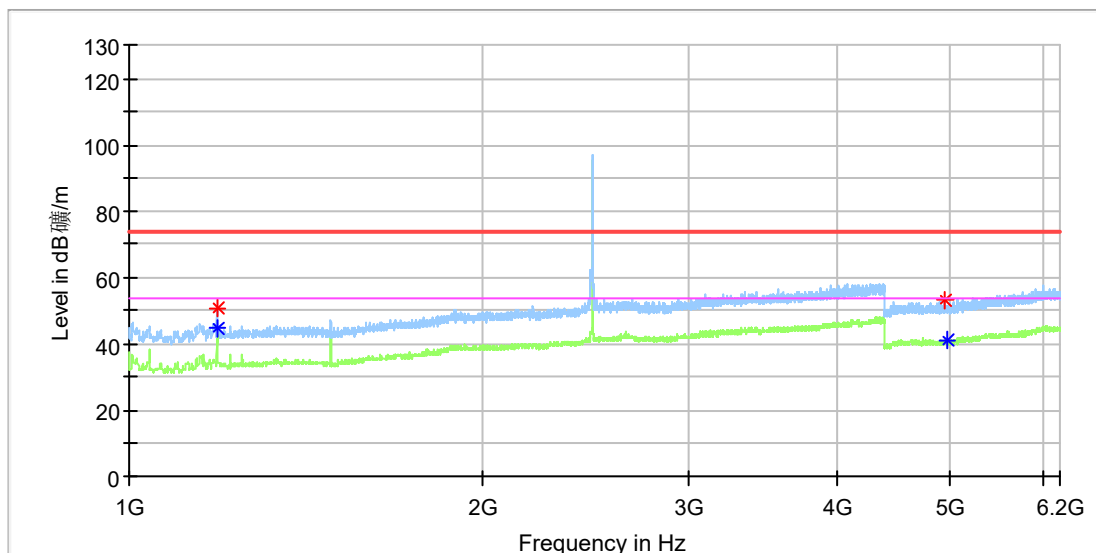
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	49.10	---	74.00	24.90	150.0	V	270.0	8.2
7319.033333	---	45.80	54.00	8.20	150.0	V	270.0	8.2
9759.175000	45.90	---	74.00	28.10	150.0	V	319.0	10.4
9759.175000	---	39.68	54.00	14.32	150.0	V	319.0	10.4

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

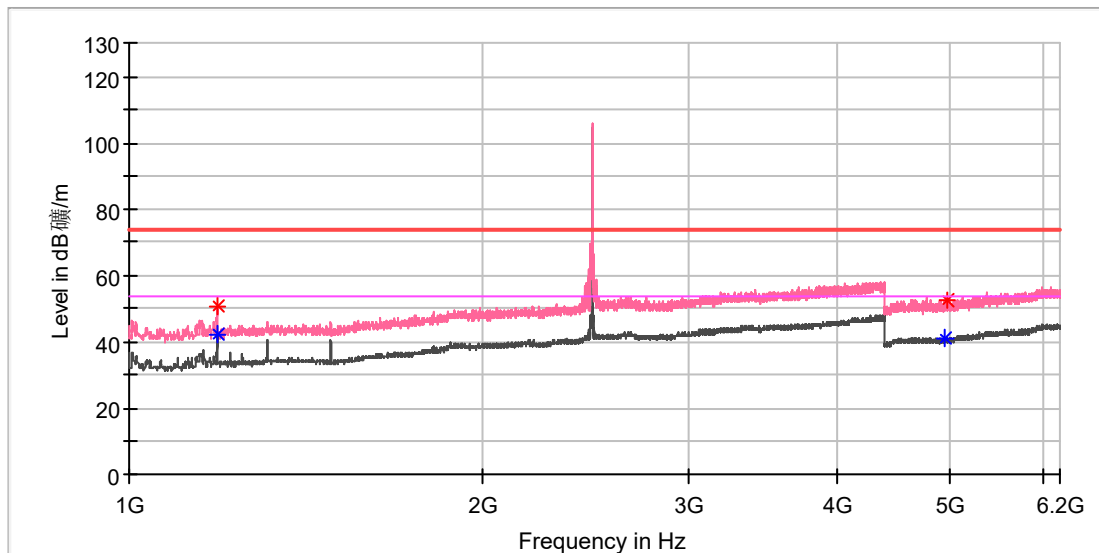
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1187.500000	50.79	---	74.00	23.21	150.0	H	185.0	1.7
1187.500000	---	44.81	54.00	9.19	150.0	H	185.0	1.7
4950.500000	53.15	---	74.00	20.85	150.0	H	18.0	13.3
4972.500000	---	41.41	54.00	12.59	150.0	H	162.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

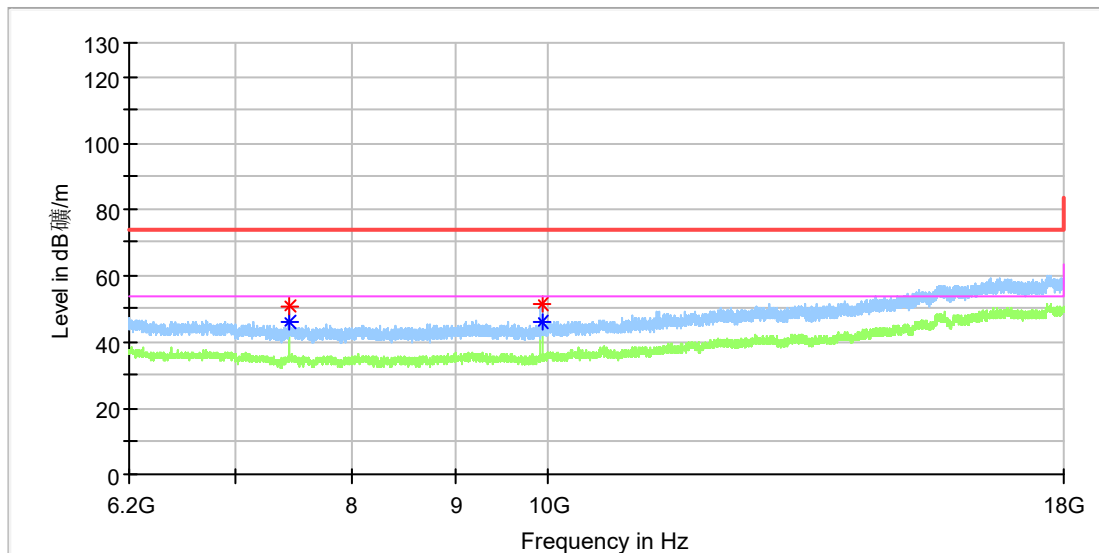
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1188.000000	50.83	---	74.00	23.17	150.0	V	327.0	1.7
1188.000000	---	42.32	54.00	11.68	150.0	V	327.0	1.7
4959.500000	---	41.26	54.00	12.74	150.0	V	250.0	13.3
4974.500000	52.54	---	74.00	21.46	150.0	V	193.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

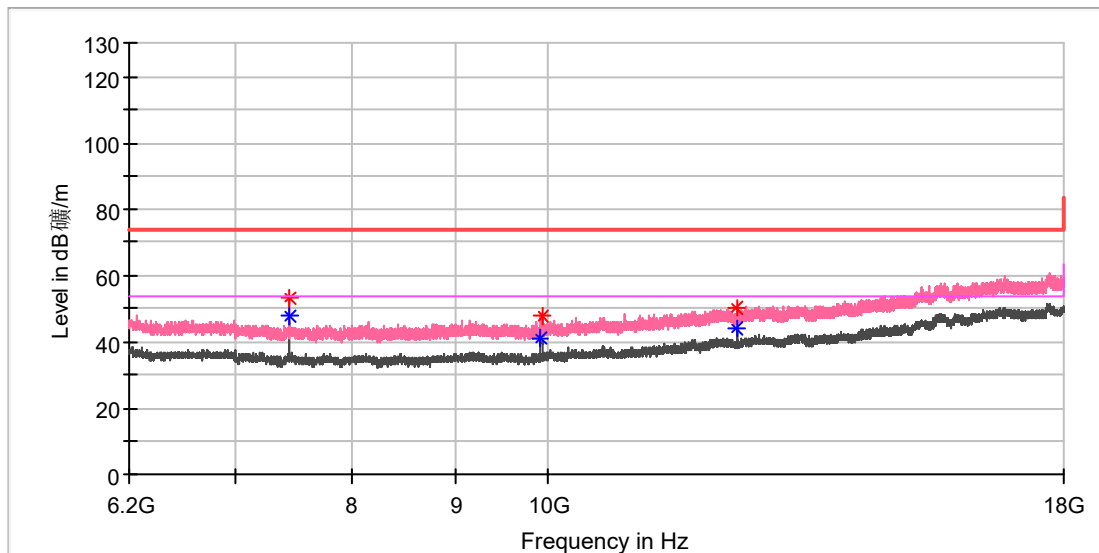
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	50.95	---	74.00	23.06	150.0	H	297.0	8.4
7439.983333	---	45.74	54.00	8.26	150.0	H	297.0	8.4
9920.441667	51.11	---	74.00	22.89	150.0	H	335.0	10.8
9920.441667	---	45.95	54.00	8.05	150.0	H	335.0	10.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	---	47.69	54.00	6.31	150.0	V	64.0	8.4
7439.491667	53.05	---	74.00	20.95	150.0	V	64.0	8.4
9919.458333	---	40.94	54.00	13.06	150.0	V	288.0	10.8
9921.425000	48.01	---	74.00	25.99	150.0	V	159.0	10.8
12398.441667	49.94	---	74.00	24.06	150.0	V	122.0	14.7
12398.441667	---	44.18	54.00	9.82	150.0	V	122.0	14.7

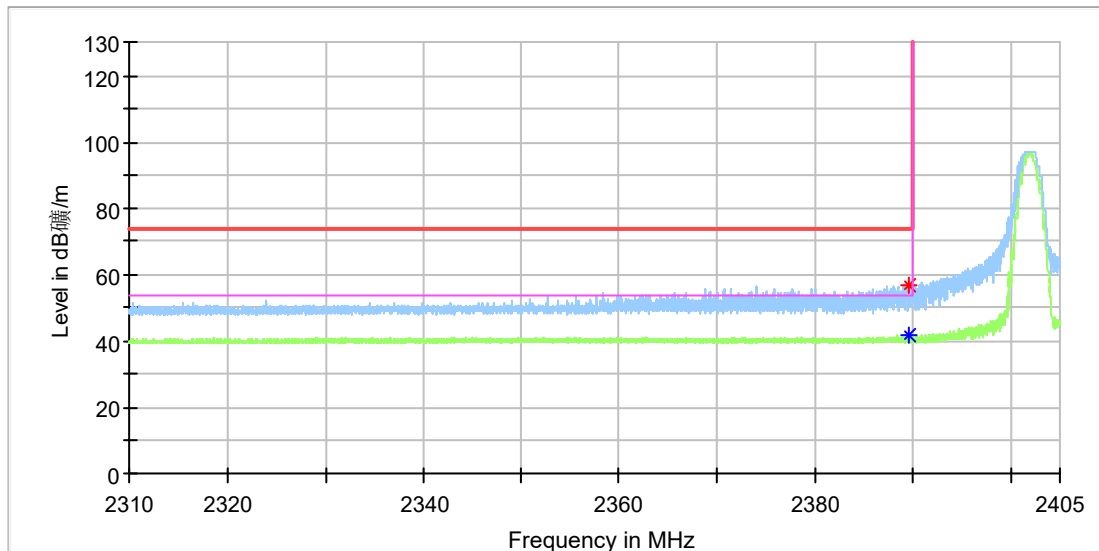
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Osmo Mobile 7
Model:	DS307
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168504650/A003820450-004
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

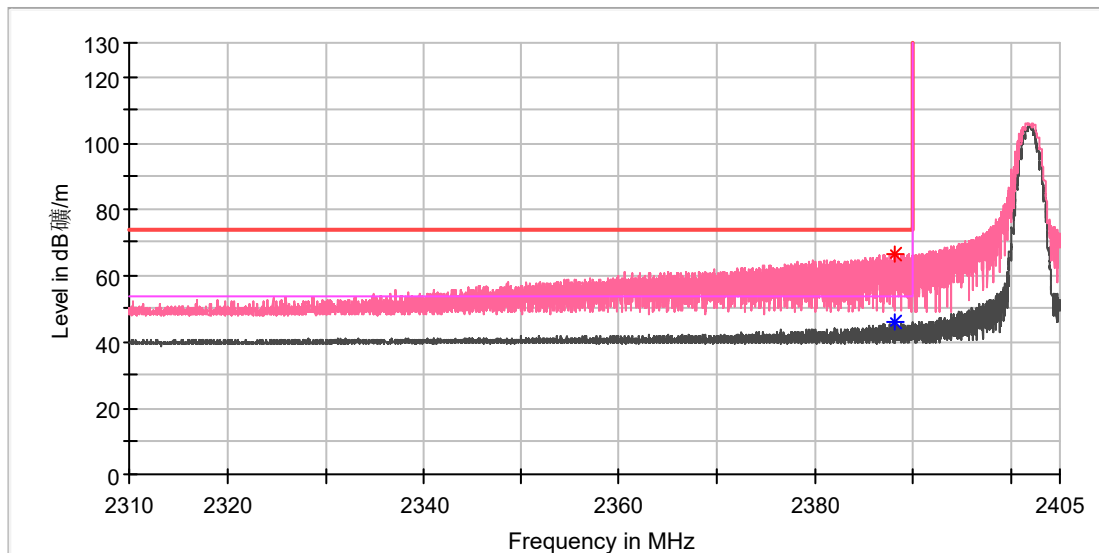
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.558824	56.95	---	74.00	17.05	150.0	H	239.0	8.5
2389.558824	---	41.89	54.00	12.11	150.0	H	239.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

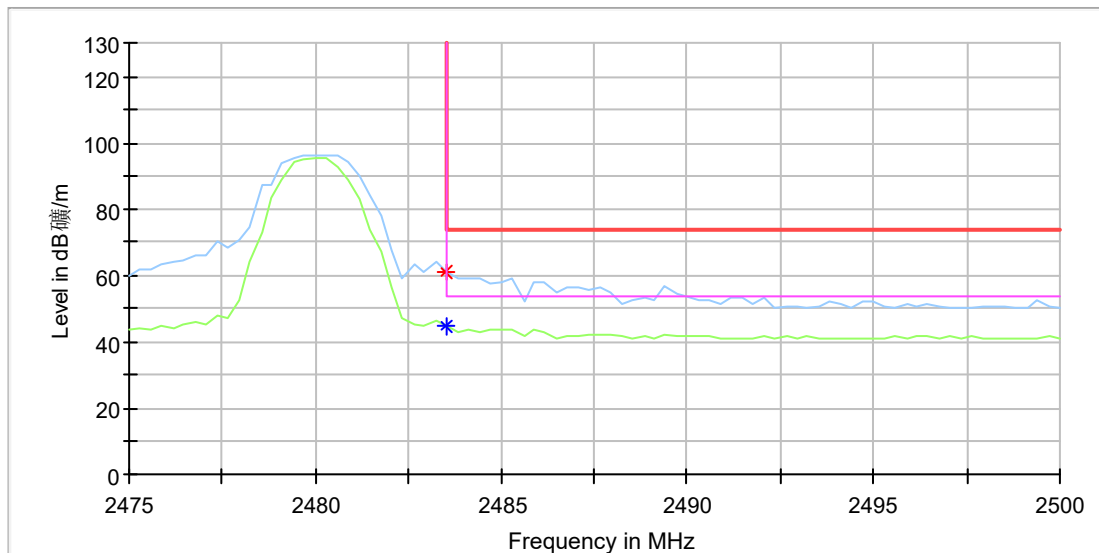
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.147059	---	45.68	54.00	8.32	150.0	V	124.0	8.5
2388.147059	66.35	---	74.00	7.65	150.0	V	124.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

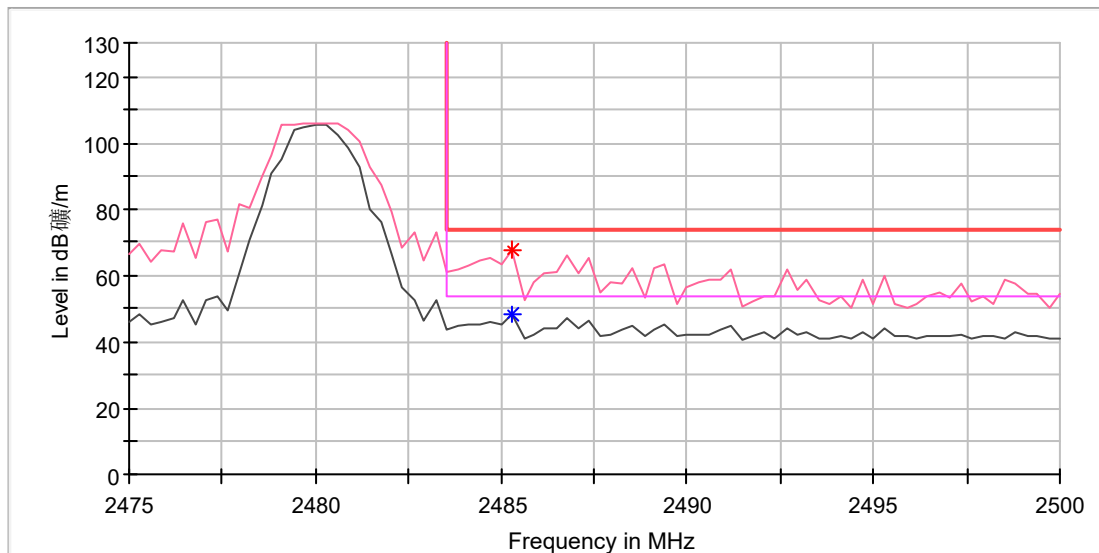
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	60.96	---	74.00	13.04	150.0	H	15.0	9.0
2483.529412	---	44.55	54.00	9.45	150.0	H	15.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 1M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

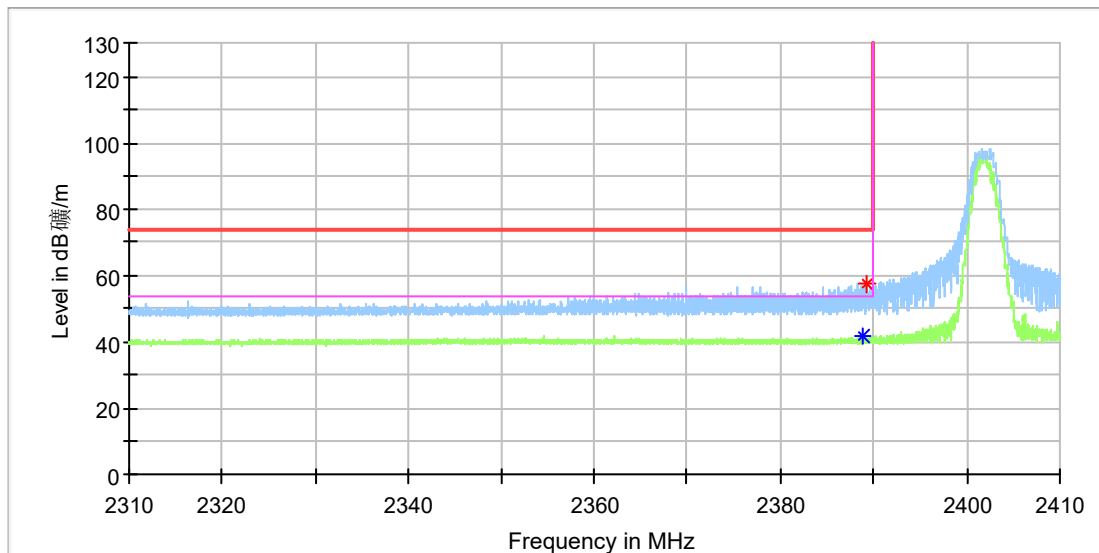
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.294118	67.83	---	74.00	6.17	150.0	V	118.0	9.0
2485.294118	---	48.12	54.00	5.88	150.0	V	118.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 2M_Low channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

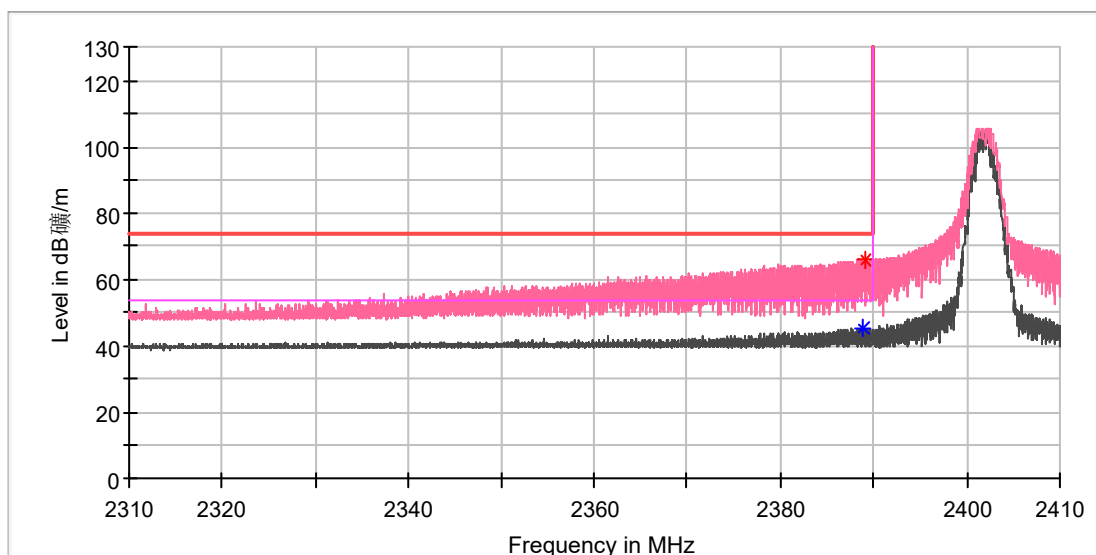
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.985294	---	41.77	54.00	12.23	150.0	H	232.0	8.5
2389.352941	57.63	---	74.00	16.37	150.0	H	39.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 2M_Low channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

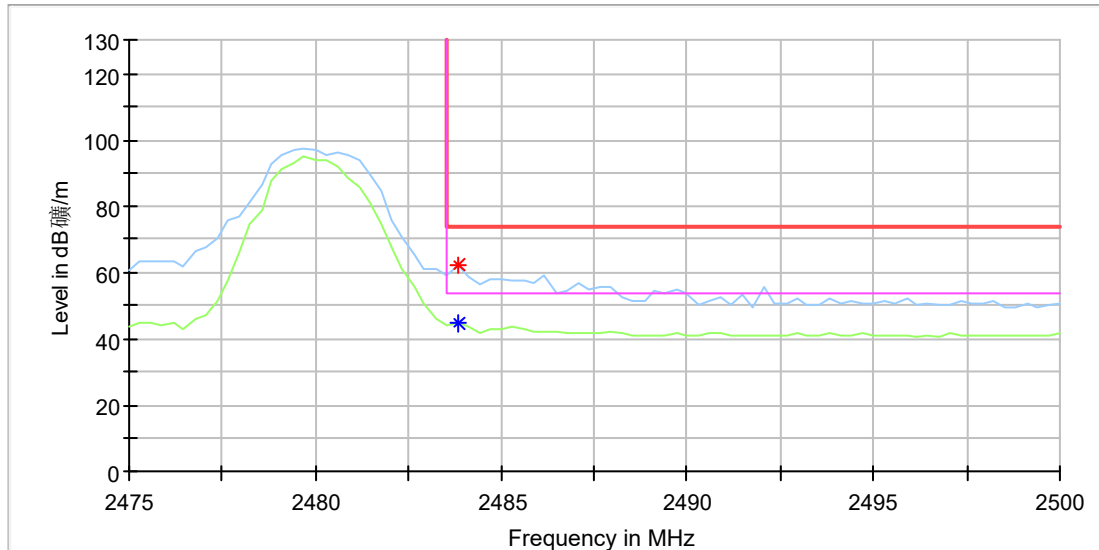
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.838235	---	45.36	54.00	8.64	150.0	V	133.0	8.5
2389.029412	66.06	---	74.00	7.94	150.0	V	126.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 2M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

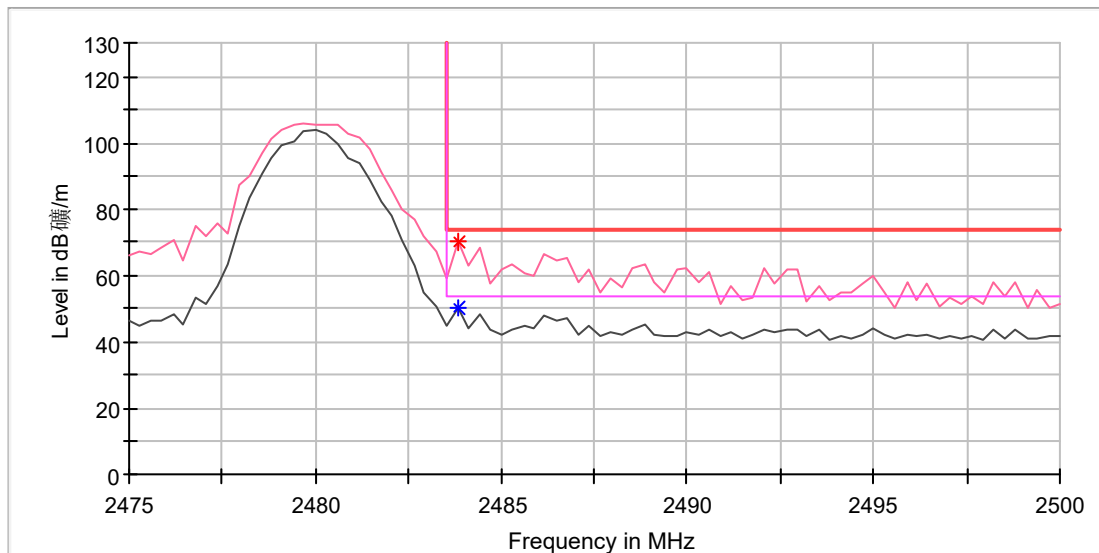
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	44.47	54.00	9.53	150.0	H	80.0	9.0
2483.823529	62.29	---	74.00	11.71	150.0	H	80.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Osmo Mobile 7
Model: DS307
Test Mode: BLE 2M_High channel
Order No/Sample No: 168504650/A003820450-004
Test Voltage: AC 120V, 60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	70.04	---	74.00	3.96	150.0	V	119.0	9.0
2483.823529	---	49.98	54.00	4.02	150.0	V	119.0	9.0

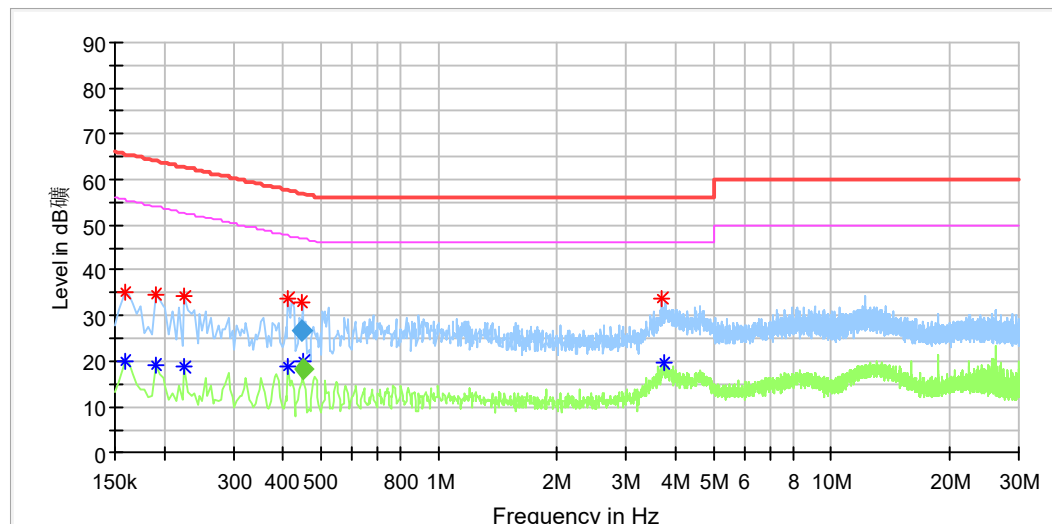
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Osmo Mobile 7
Order Number:	168504650
Model:	DS307
Test Mode:	Normal Operation + Charging by Type-C port via AC/DC Adapter
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15C
Test By:/Review By:	Soloman Wu / Shower Dai
Tem./Hum./Pressure:	24.2°C/52.2%/101kPa
Remark:	SR2



Critical Freqs

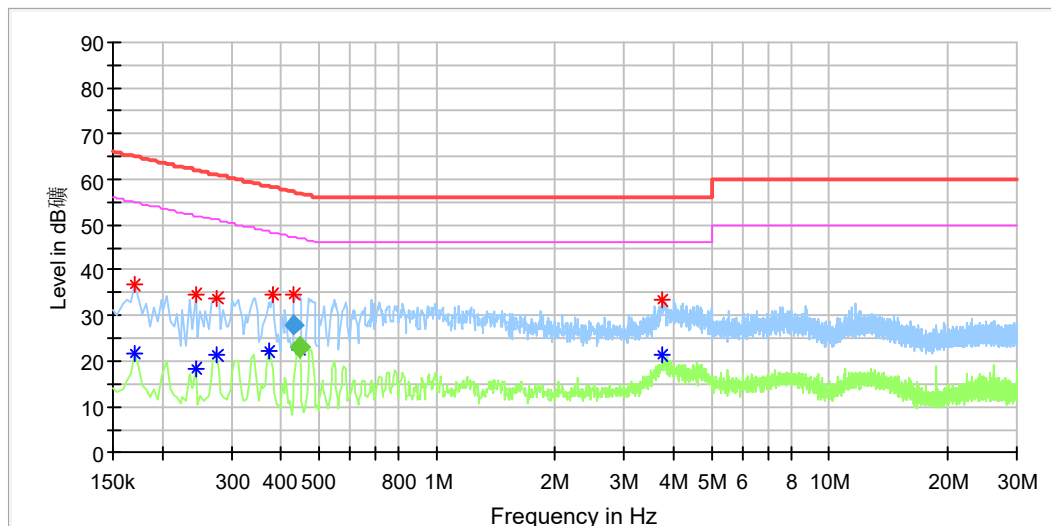
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.158000	---	19.92	55.57	35.65	L1	9.9
0.158000	35.32	---	65.57	30.25	L1	9.9
0.190000	---	19.17	54.04	34.87	L1	9.9
0.190000	34.77	---	64.04	29.27	L1	9.9
0.226000	34.41	---	62.60	28.19	L1	9.9
0.226000	---	19.03	52.60	33.56	L1	9.9
0.414000	33.90	---	57.57	23.67	L1	9.9
0.414000	---	18.84	47.57	28.73	L1	9.9
0.445500	33.16	---	56.88	23.71	L1	9.9
0.449500	---	19.96	46.88	26.91	L1	9.9
3.706000	33.94	---	56.00	22.06	L1	10.2
3.746000	---	19.47	46.00	26.53	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.445500	26.97	---	56.96	29.98	1000.0	9.000	L1	9.9
0.449500	---	18.62	46.88	28.26	1000.0	9.000	L1	9.9

EUT Information

EUT Name: Osmo Mobile 7
Order Number: 168504650
Model: DS307
Test Mode: Normal Operation + Charging by Type-C port via AC/DC Adapter
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15C
Test By:/Review By: Soloman Wu / Shower Dai
Tem./Hum./Pressure: 24.2°C/52.2%/101kPa
Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.170000	---	21.81	54.96	33.15	N	9.8
0.170000	36.68	---	64.96	28.28	N	9.8
0.242000	---	18.47	52.03	33.56	N	9.8
0.242000	34.81	---	62.03	27.22	N	9.8
0.274000	---	21.50	51.00	29.50	N	9.8
0.274000	34.04	---	61.00	26.96	N	9.8
0.374000	---	22.02	48.41	26.39	N	9.8
0.382000	34.81	---	58.24	23.42	N	9.8
0.433500	34.85	---	57.10	22.25	N	9.8
0.445500	---	22.70	47.02	24.33	N	9.8
3.758000	---	21.17	46.00	24.83	N	9.9
3.758000	33.53	---	56.00	22.47	N	9.9

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.433500	28.23	---	57.19	28.95	1000.0	9.000	N	9.8
0.445500	---	23.17	46.96	23.79	1000.0	9.000	N	9.8