WSET





W5C7

TEST REPORT

W5ET

WSET

FCC ID: 2ADYY-LJ8 **Product: Mobile Phone**

WSET

WSET

Model No.: LJ8

WSC

Trade Mark: TECNO

Report No.: WSCT-ANAB-R&E250500034A-LE

Issued Date: 20 May 2025

WSCI

WSCT

Issued for:

TECNO MOBILE LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

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W5 CT

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Issued By: 5

WSET

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd. Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China

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深圳世标检测认证股份有限公司 World Standardization Certification & Testing Group (Shenzhen) Co., Ltd

W5 CT



Report No.: WSCT-ANAB-R&E241200075A-LE

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Report No.: WSCT-ANAB-R&E241200075A-LE

Test Certification 1.

Mobile Phone Product:

Model No.: LJ8

Additional

Applicant:

TECNO Model:

TECNO MOBILE LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25

WSET

SHAN MEI STREET FOTAN NT HONGKONG

WSET **TECNO MOBILE LIMITED**

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 Manufacturer:

SHAN MEI STREET FOTAN NT HONGKONG

06 March 2025 Date of receipt

> **Date of Test:** 06 March 2025 to 19 May 2025

Applicable FCC CFR Title 47 Part 15 Subpart C Section 15.247

KDB 558074 D01 DTS Meas Guidance v04 Standards:

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

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Tested By:

Checked By:

(Qin Shuiquan)

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(Wang Xiang)

W5 CT

Approved By:

(Li Huaibi)

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Test Result Summary 2.

	MARCH MARCH	THE PER	THE CT.	W5CT°
7	Requirement	CFR 47 Section	Result	WF17B
	Antenna requirement	§15.203/§15.247 (c)	PASS	
7 °	AC Power Line Conducted Emission	\\ \text{\subset} \\ \su	PASS	
_	Maximum conducted output power W5.	§15.247 (b)(3) §2.1046	W5 PASS	W5 ET
7	6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS	
	Power Spectral Density	§15.247 (e)	PASS	
	Band Edge WS E	1§5.247(d) §2.1051, §2.1057	PASS	W5 CT
	Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS	
7 100				

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

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W5 E WSE W5 C W5C

WS E7

W5 C1 WS ET W5 CT W5 E1

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Report No.: WSCT-ANAB-R&E241200075A-LE

W5 CT

EUT Description 3.

	Product Name:	Mobile Phone WSCT WSCT	V5 CT
/	Model :	LJ8	
	Software number	LJ8-15.1.0	
E T	Hardware number	V1.4 W5L/	
	Trade Mark:	TECNO	X
_	Operation Frequency:	BLE 1M:2402MHz~2480MHz BLE 2M:2404MHz~2478MHz	VS ET
\langle	Channel Separation:	2MHz	
c T	Number of Channel:	40 WS CT WS CT WS CT	/
	Modulation Technology:	GFSK	\bigvee
	Antenna Type:	Integral Antenna	
	Antenna Gain:	-2.67dBi	V5 CT L
<u> </u>	Operating Voltage:	Adapter: U450TSB Input: 100-240V~50/60Hz 1.8A Output: 5.0V3.0A 15.0W or 5.0-10.0V4.5A 18.0W or 11.0V4.1A 45.0W MAX Rechargeable Li-ion Polymer Battery Model: BL-58IT Rated Voltage: 3.92V Rated Capacity: 5850mAh/22.94Wh Typical Capacity: 6000mAh/23.52Wh Limited Charge Voltage: 4.53V	VSCT
\	Remark:	N/A.	
41	Note: 1 N/A stands for no appli	cable	

Note: 1. N/A stands for no applicable.

2. The antenna gain is provided by the customer. For any reported data issues caused by the antenna gain, World Standardization Certification&Testing Group (Shenzhen) Co., Ltd assumes no responsibility.

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Operation Frequency each of channel

Operation	on i roquono	y casii c	0	A			
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
	WSCT		WSET		WSET		WSCT
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
Remark: Channel 0.1, 19,38,& 39 have been tested.							

W5E7 W5 C1 W5 C W5 CI W5 C1 WS CI WS CT WS CT WSEI WSE W5 CT W5 CT WS ET W5E1 W5 C1 W5 E W5 C W5C W5 CI W5 CI WS ET W5 CT W5 C1 W5CT ADD: Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, 深圳世标检测认证股份有限公司

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Genera Information 4.

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting

by select channel and modulations(The value of duty cycle is 98.46%) with

Fully-charged battery.

The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

0	Equipment	Model No.	Serial No.	FCC ID	Trade Name
		\times	\times	1	X /

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the

antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.







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5. Facilities and Accreditations

5.1. Facilities

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All measurement facilities used to collect the measurement data are located at Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China of the World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2.ACCREDITATIONS

ANAB - Certificate Number: AT-3951

WS The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (ANAB). Certification Number: AT-3951

	WSET	WSET	WSLT	WSET	WSET
WS	$\langle \hspace{0.2cm} \hspace{0.2cm}$	$\langle \hspace{0.1cm} \rangle$		$\langle \hspace{0.1cm} \rangle$	SET
	WSET	WSET	WSET	WSET	WSET
WS	$\langle \hspace{0.2cm} \rangle$	$\langle \hspace{0.1cm} \rangle$		$\langle \ \ \rangle$	SET
	W5ET	WSET	WSET	WSET	WSET
WSI	$\langle \hspace{0.2cm} \hspace{0.2cm}$	$\langle \hspace{0.1cm} \rangle$		$\langle \hspace{0.1cm} \rangle$	SET
	W5ET*	WSET	WSET	\times	X
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5.3. Measurement Uncertainty

	No.	Item	MU	W5 CT
7	1	Power Spectral Density	±3.2dB	
	2	Duty Cycle and Tx-Sequence and Tx-Gap	±1%	
7	3	Medium Utilisation Factor	±1.3%	
	4	Occupied Channel Bandwidth	±2.4%	X
	5W5C	Transmitter Unwanted Emission in the out-of Band	±1.3%	W5 ET
	6	Transmitter Unwanted Emissions in the Spurious Domain	±2.5%	
	7	Receiver Spurious Emissions	±2.5%	
/	8	Conducted Emission Test	±3.2dB	
	9	RF power, conducted	±0.16dB	X
_	10/5 C	Spurious emissions, conducted W5 [7] W5	±0.21dB	W5 CT
	11	All emissions, radiated(<1GHz)	±4.7dB	
	12	All emissions, radiated(>1GHz)	±4.7dB	
	13	Temperature	±0.5°C	
	14	Humidity	±2.0%	\times
	ATE 4 T			A

NOTE:1.The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is ws based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

- 2. The Ulab is less than Ucispr, compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
- 3. For conducted emission test of laboratory have a measurement uncertainty greater than that specified in harmonized standard, this equipment can still be used provided that an adjustment is made follows: any additionan uncertainty in the test system over and above that specified in harmonized standard should be used to tighter the test requirements-making the test harder to pass. This procedure will ensure that a test system not comliant with harmonized standard does not increase the probability of passing a EUT that would otherwise have failed a test if a test system comliant with harmonized standard had been used.

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5.4.MEASUREMENT INSTRUMENTS

	O.T.IVILAGOTELI	ALITT IIIO III	ILITIO /				
_	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	75 E
	Test software		EZ-EMC	CON-03A	-	X-	
	Test software	-	MTS8310	WSCT	- /	75 TT°	
	EMI Test Receiver	R&S	ESCI	100005	11/05/2024	11/04/2025	
	LISN	AFJ	LS16	16010222119	11/05/2024	11/04/2025	\wedge
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2024	11/04/2025	75 C L
<	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2024	11/04/2025	
5	Coaxial cable	Megalon	LMR400	N/A	11/05/2024	11/04/2025	
	GPIB cable	Megalon	GPIB	N/A	11/05/2024	11/04/2025	
	Spectrum Analyzer	R&S	FSU	100114	11/05/2024	11/04/2025	\wedge
	Pre Amplifier	IH.P. <i>ET</i>	HP8447E 5 /	2945A02715	11/05/2024	11/04/2025	15 C
	Pre-Amplifier	CDSI	PAP-1G18-38	-	11/05/2024	11/04/2025	
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2024	7/28/2025	
5	9*6*6 Anechoic	ET V	VS CT L	W.S ET	11/05/2024	11/04/2025	
	Horn Antenna	COMPLIANCE ENGINEERING	CE18000		11/05/2024	11/04/2025	X
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2024	11/04/2025	75 C
_	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2024	11/04/2025	-/-
	System-Controller	ccs	N/A	N/A	N.C.R	N.C.R	
4	Turn Table	ccs	/5/7N/A	N/A	N.C.R	N.C.R	
	Antenna Tower	ccs	N/A	N/A	N.C.R	N.C.R	
	RF cable	Murata	MXHQ87WA300 0	-	11/05/2024	11/04/2025	
	Loop Antenna	EMCO	6502W54	00042960	11/05/2024	11/04/2025	15 C
1	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2024	11/04/2025	
1	Power meter	Anritsu	ML2487A	6K00003613	11/05/2024	11/04/2025	
4	Power sensor	Anritsu	MX248XD	WSET	11/05/2024	11/04/2025	
	Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2024	11/04/2025	X

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6. Test Results and Measurement Data

6.1. Antenna requirement

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Standard requirement:

FCC Part15 C Section 15.203 /247(c)

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(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is a Integral Antenna. it meets the standards, and the best case gain of the antenna is -2.67dBi.

Please refer to the attached "LJ8 Internal Photo" for the antenna location

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6.2. Conducted Emission

6.2.1. Test Specification

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	6.2.1. Test Specification	Mall Mall Ma	5/4
\times	Test Requirement:	FCC Part15 C Section 15.207	
WSCT	Test Method: 5 [7]	ANSI C63.10:2014 W5ET W5ET	/
	Frequency Range:	150 kHz to 30 MHz	
	Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto	CT.
WSET	Limits:	Frequency range (MHz) Limit (dBuV) 0.15-0.5 Quasi-peak Average 0.5-5 46 46	
	\vee	5-30 60 50 Reference Plane	
	WSET* WSE	TISN.	CT.
WSET	Test Setup:	E.U.T Adapter Filter AC power EMI Receiver Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	
\times	Test Mode:	Charging + Transmitting Mode	
WSCT	WSCT	1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This	
	X	provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main	\leq
WSET	WSET WSE Test Procedure:	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). 3. Both sides of A.C. line are checked for maximum	
	WSET	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 C63.10:2014 on conducted measurement.	<i>47</i> °
	Test Result:	PASS	Janon

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EUT OPERATING CONDITIONS 6.2.2.

The EUT is working in the Normal link mode. All modes have been tested and normal link mode is W.5. worst.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

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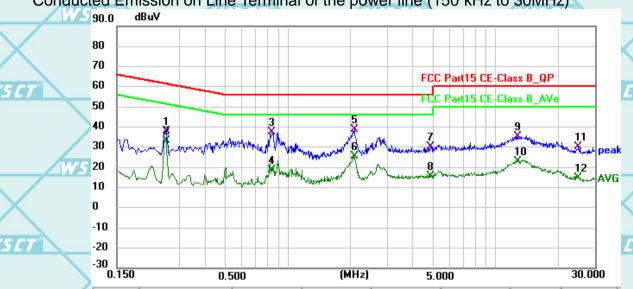


Report No.: WSCT-ANAB-R&E241200075A-LE

W5CT"

Test data

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Margin Frequency Reading Factor Level Limit Detector No. (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 1 0.2580 17.22 20.66 37.88 61.50 -23.62QP 2 0.2580 12.64 20.66 33.30 51.50 -18.20AVG 3 QP 0.8385 17.06 20.60 37.66 56.00 -18.344 0.8385 -2.1220.60 18.48 46.00 -27.52 AVG 5 38.75 -17.25QP 2.0895 18.14 20.61 56.00 6 2.0895 4.70 20.61 25.31 46.00 -20.69AVG 7 4.8795 9.50 20.57 30.07 56.00 -25.93QP 8 -4.7815.79 -30.21 AVG 4.8795 20.57 46.00 9 12.8400 15.15 20.29 35.44 60.00 -24.56QP 10 2.77 20.29 23.06 50.00 -26.94 AVG 12.8400 9.72 24.9900 20.60 30.32 60.00 -29.68QP 11 12 24.9900 -5.7220.60 14.88 50.00 -35.12AVG

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World Standard ration Certification& Testing Group(Shenzhen) Co., Ltd.

WE CT

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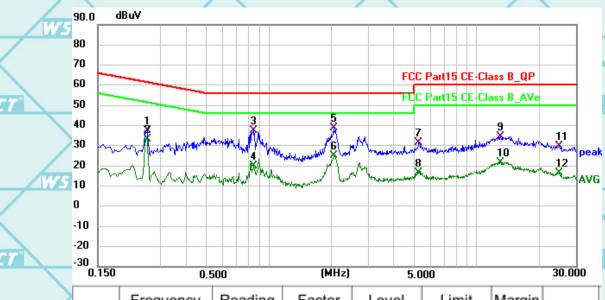






Report No.: WSCT-ANAB-R&E241200075A-LE

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
5	1	0.2580	16.83	20.66	37.49	61.50	-24.01	QP	[
	2	0.2580	12.65	20.66	33.31	51.50	-18.19	AVG	,
	3	0.8475	16.91	20.60	37.51	56.00	-18.49	QP	
	4	0.8475	-0.83	20.60	19.77	46.00	-26.23	AVG	
	5 *	2.0535	18.17	20.61	38.78	56.00	-17.22	QP	
	6	2.0535	4.64	20.61	25.25	46.00	-20.75	AVG	
5	7	5.2530	10.89	20.56	31.45	60.00	-28.55	QP	
	8	5.2530	-4.02	20.56	16.54	50.00	-33.46	AVG	
	9	13.0065	14.07	20.28	34.35	60.00	-25.65	QP	1
	10	13.0065	1.17	20.28	21.45	50.00	-28.55	AVG	Į,
	11	24.8819	9.22	20.59	29.81	60.00	-30.19	QP	
>	12	24.8819	-4.19	20.59	16.40	50.00	-33.60	AVG	

Note1:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN Factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

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Report No.: WSCT-ANAB-R&E241200075A-LE

W5 CT

6.3. Conducted Output Power

6.3.1. Test Specification 5

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	Sierri Tool Operingation		
X	Test Requirement:	FCC Part15 C Section 15.247 (b)(3)	
WSET	Test Method:	KDB558074 W5 [T] W5 [T]	
	Limit:	30dBm	\times
	Test Setup:		WSET
		Spectrum Analyzer EUT	
WSET	Test Mode:	Refer to item 4.1	
	Took Droodure	 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04. Set spectrum analyzer as following: 5 mail of the RBW ≥ DTS bandwidth. Set VBW ≥ 3 x RBW. 	WSET
WSCT	Test Procedure:	c) Set span ≥ 3 x RBW d) Sweep time = auto couple. e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize.	X
		h) Use peak marker function to determine the peak amplitude level.	W5CT
X	Test Result:	PASS	
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W5 CT

6.3.2. Test Data

	BLE 1M				
	Test channel	Maximum conducted output power (dBm)	Limit (dBm)	Result	
	Lowest	-2.07	30.00	PASS	
1	Middle	-1.18	30.00	PASS	
	Highest	-2.16	30.00	PASS	

				100	
7	BLE 2M				
	Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result	
	Lowest	-1.89-	30.00	PASS [7]	
	Middle	-1.24	30.00	PASS	
	Highest	-2.08	30.00	PASS	
		T 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		# MI AND AND .	1 - V - V - V - V - V - V - V - V - V -

Test plots as follows:

		^

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			WSET	Set of	

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Mahahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** CCREDITED Enfortal alate W5 CT Report No.: WSCT-ANAB-R&E241200075A-LE Test Graphs Power NVNT BLE 1M 2402MHz Ant1 SCPI Spectrum Analyzer 1 Swept SA **+** nput Z: 50 Ω PNO: Fast Gate: Off IF Gain: Low Sig Track: Off KEYSIGHT Input: RF #Atten: 30 dB Preamp: Off Corr CCorr Freq Ref: Int (S) Mkr1 2.401 989 GHz Ref LvI Offset 4.26 dB Ref Level 20.00 dBm Scale/Div 10 dB Log -2.07 dBm



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Report No.: WSCT-ANAB-R&E241200075A-LE

6.4. Emission Bandwidth

6.4.1. Test Specification 5

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Test Requirement: FCC Part15 C Section 15.247 (a)(2) Test Method: KDB558074 Limit: >500kHz	
C FOOLUE	
Limit: >500kHz	
	\times
Test Setup:	SET
Spectrum Analyzer EUT	
Test Mode: Refer to item 4.1	
Test Procedure: 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make	YSET
an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report. PASS PASS	X
WSUT WSUT WSUT WSUT	SET°

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W5 ET

W5 C7

W5 E1

W5C1

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W5 CT

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6.4.2. Test data

В	LE1M	WSFT	WELT	WE	CT	W5C
	Test channel	6dB	Emission E	Bandwidth (kHz)		WEZ
X	rest channel	BT LE mod	е	Limit	Result	
WSET	Lowest	0.6544		>500k	W5 CT	
	Middle	0.6664		>500k	PASS	
	Highest	0.6504		>500k		
В	LE 2M	WS ET°	W5 CT	W5	CT°	W5 C
\ /		6dB	Emission E	Bandwidth (kHz)		

	Test channel	6dB Emission I	Bandwidth (kHz)	
	rest channel	BT LE mode	Limit	Result
0	Lowest	1.131	W5>500k	W5CT°
	Middle	1.151	>500k	PASS
	Highest	1.135	>500k	

W5 CT

Test plots as follows:

W5CT

WSE	7 Ws	ET WS	CT W	SET W	SET
X	X	X	X	X	
WSET	WSET	WSCT	WSET	WSCT	$ \overline{} $
W5E	7 WS	W5	CT W	SCT W	SET
WSET	WSET	WSCT	WSCT	WSET	

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Mahahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** CCREDITED Mahalalaha W5 CT Report No.: WSCT-ANAB-R&E241200075A-LE Test Graphs -6dB Bandwidth NVNT BLE 1M 2402MHz Ant1 SCPI Spectrum Analyzer 1 Occupied BW + Center Freq: 2.402000000 GHz Avg|Hold: 100/100 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Trig: Free Run Gate: Off #IF Gain: Low KEYSIGHT Input: RF Atten: 30 dB Preamp: Off Mkr3 2.402325000 GHz Ref LvI Offset 4.26 dB Ref Value 24.26 dBm -8.52 dBm Scale/Div 10.0 dB \Diamond^2 Span 2 MHz Sweep 1.33 ms (10001 pts) Center 2.402000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Measure Trace Trace 1 Occupied Bandwidth 1.0563 MHz Total Power 3.76 dBm Transmit Freq Error x dB Bandwidth -1.912 kHz 654.4 kHz % of OBW Powe x dB 99.00 % -6.00 dB ? Mar 13, 2025 2:22:52 PM ** # 5 C -6dB Bandwidth NVNT BLE 1M 2440MHz Ant1 SCPI Spectrum Analyzer [·] Occupied BW + Center Freq: 2.440000000 GHz Avg|Hold: 100/100 Radio Std: None Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF Mkr3 2.440332000 GHz Ref LvI Offset 4.28 dB Ref Value 24.28 dBm -7.93 dBm Scale/Div 10.0 dB Span 2 MHz Sweep 1.33 ms (10001 pts) Center 2.440000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz

Measure Trace Trace 1 Occupied Bandwidth
1.0543 MHz 4.65 dBm Transmit Freq Error x dB Bandwidth -1.346 kHz 666.4 kHz % of OBW Pov 99.00 % -6.00 dB ? Mar 13, 2025 2:24:17 PM ** 1 5 6

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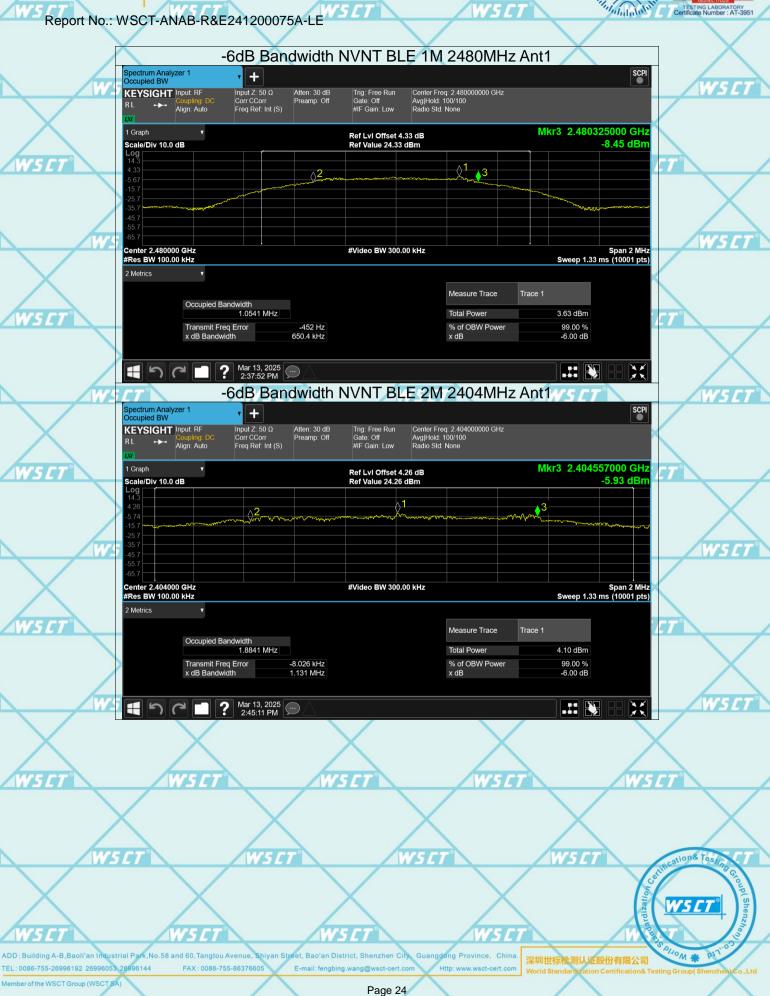
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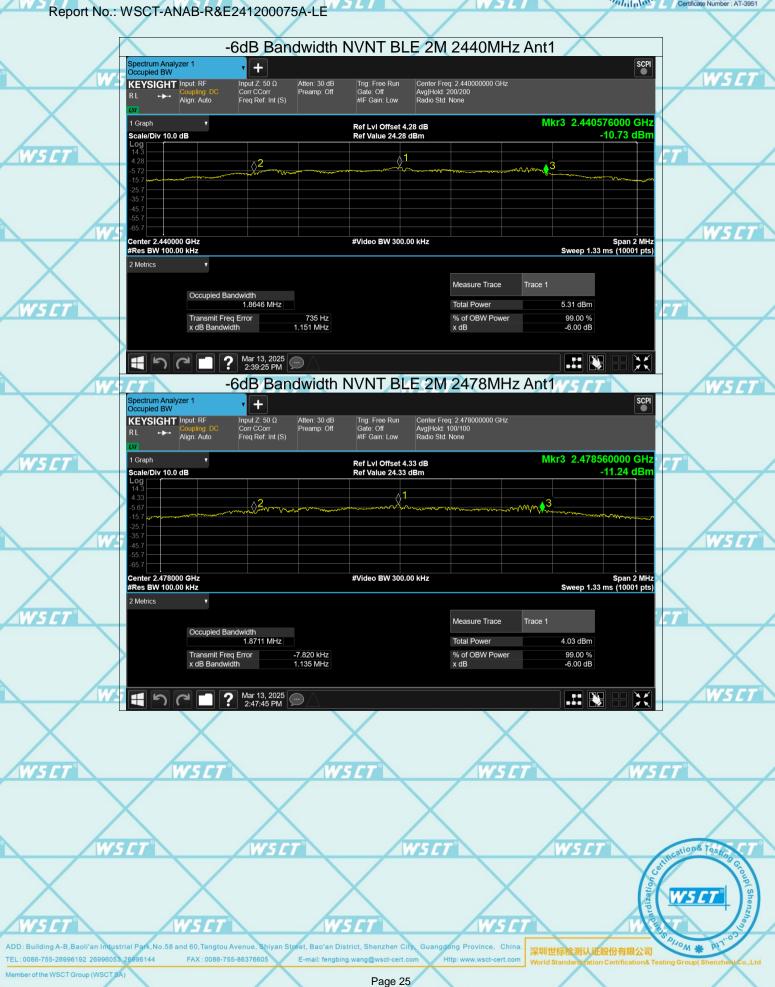


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Report No.: WSCT-ANAB-R&E241200075A-LE

6.5. Power Spectral Density

6.5.1. Test Specification

	WSTT	T WS T	WSET
	Test Requirement:	FCC Part15 C Section 15.247 (e)	
	Test Method:	KDB558074	
WSET [®]	Limit:	The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.	X
	Test Setup:	Spectrum Analysis EUT	WSET
		Spectrum Analyzer	
WSET	Test Mode:	Refer to item 4.1	
WSET	Test Procedure:	 The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 	WS CT
	Test Result:	PASS	X

X	X	X	X	X
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6.5.2. Test data

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	Test channel	Power Spectral Density (dBm/3kHz)			
\bigvee	rest channel	BLE 1M	Limit	Result	
	Lowest	-18.35	8 dBm/3kHz		
'5 C T "	Middle	-17.39	8 dBm/3kHz	PASS	
	Highest	-18.42	8 dBm/3kHz		X

_	Test channel	Power Spectral Density (dBm/3kHz)			
	rest channel	BLE 2M	Limit	Result	
	Lowest	-20.66	8 dBm/3kHz		
0	Middle	W-19.95	8 dBm/3kHz	PASS	
	Highest	-20.79	8 dBm/3kHz		X

	Test plots as follows:	W5CT [®]	W5 CT	W5CT°	W5CT°
WSET	WSET	X			ET"
	WSET	WSET	WSET	WSET	WSET
WSET	WSLT	WSEI	WS	W.5	ET°
	WSET	WSET	WSET	WSCT	WSET

WSU WSU WSU

WSET WSET WSET

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Midulation World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** W5 CT Report No.: WSCT-ANAB-R&E241200075A-LE Test Graphs PSD NVNT BLE 1M 2402MHz Ant1 SCPI Spectrum Analyzer 1 Swept SA + KEYSIGHT Input: RF Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off #Atten: 30 dB Preamp: Off 1 2 3 4 5 6 Mkr1 2.402 017 7 GHz Ref LvI Offset 4.26 dB Ref Level 20.00 dBm -18.35 dBm Scale/Div 10 dB #Video BW 10 kHz Center 2.4020000 GHz #Res BW 3.0 kHz Span 981.0 kHz Sweep 103 ms (1001 pts) Mar 13, 2025 2:23:11 PM PSD NVNT BLE 1M 2440MHz Ant1 Spectrum Analyzer 1 Swept SA SCPI + KEYSIGHT Input: RF Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) Mkr1 2.440 017 982 GHz Ref LvI Offset 4.28 dB Ref Level 20.00 dBm -17.39 dBm Scale/Div 10 dB wwwww #Video BW 10 kHz Center 2.4400000 GHz #Res BW 3.0 kHz Span 999.0 kHz Sweep 105 ms (1001 pts) ? Mar 13, 2025 2:24:33 PM ation& Tesus ADD: Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue 深圳世标检测认证股份有限公司 Page 28 W5 C1











Report No.: WSCT-ANAB-R&E241200075A-LE

6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1. Test Specification

	6.6.1. Test Specification	T WSET WSET	(WSCT)	
\times	Test Requirement:	FCC Part15 C Section 15.247 (d)		
Weers	Test Method:	KDB558074		
WSET	Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).	WS ET*	
	Test Setup:	Spectrum Analyzer EUT	WSET	
\bigvee	Test Mode:	Refer to item 4.1		
WSET	Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 	WSET	
	Test Result:	PASS PASS	X	
	, , ,			

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Mahahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** W5 CT Report No.: WSCT-ANAB-R&E241200075A-LE Band Edge NVNT BLE 1M 2480MHz Ant1 Ref **+** Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Pow Avg|Hold: 100/100 Trig: Free Run Mkr1 2.480 000 GHz 1 Spectrum Ref LvI Offset 4.33 dB Ref Level 20.00 dBm -2.76 dBm Scale/Div 10 dB

> Mar 13, 2025 1 5 6 Band Edge NVNT BLE 1M 2480MHz Ant1 Emission Spectrum Analyzer 1 Swept SA + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Preamp: Off PNNNNN Mkr1 2.479 8 GHz Ref LvI Offset 4.33 dB Ref Level 20.00 dBm -2.89 dBm Scale/Div 10 dB Start 2.47600 GHz #Res BW 100 kHz Stop 2.57600 GHz Sweep 9.60 ms (1001 pts) #Video BW 300 kHz Function Width Function Value -2.89 dBm -57.22 dBm -58.27 dBm -54.98 dBm 2.500 0 GHz 2.489 0 GHz ? Mar 13, 2025 2:38:15 PM

#Video BW 300 kHz

Span 8.000 MHz Sweep 1.00 ms (1001 pts)

Center 2.480000 GHz #Res BW 100 kHz

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Band Edge NVNT BLE 2M 2404MHz Ant1 Emission Spectrum Analyzer 1 Swept SA + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Preamp: Off PNNNNN Mkr1 2.404 0 GHz Ref LvI Offset 4.26 dB Ref Level 20.00 dBm -2.94 dBm Scale/Div 10 dB Start 2.30800 GHz #Res BW 100 kHz Stop 2.40800 GHz Sweep 9.60 ms (1001 pts) #Video BW 300 kHz Function Width Function Value -2.94 dBm -58.00 dBm -58.00 dBm -55.51 dBm 2.400 0 GHz 2.342 0 GHz

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Mahahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** Mahalalak W5C7 Report No.: WSCT-ANAB-R&E241200075A-LE Band Edge NVNT BLE 2M 2478MHz Ant1 Ref **+** Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Pow Avg|Hold: 100/100 Trig: Free Run Mkr1 2.478 480 GHz 1 Spectrum Ref LvI Offset 4.33 dB Ref Level 20.00 dBm -3.56 dBm Scale/Div 10 dB morrow

> Mar 13, 2025 Band Edge NVNT BLE 2M 2478MHz Ant1 Emission Spectrum Analyzer 1 Swept SA + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 100/100 Trig: Free Run #Atten: 30 dB Preamp: Off PNNNNN Mkr1 2.478 0 GHz Ref LvI Offset 4.33 dB Ref Level 20.00 dBm -2.87 dBm Scale/Div 10 dB Start 2.47400 GHz #Res BW 100 kHz Stop 2.57400 GHz Sweep 9.60 ms (1001 pts) #Video BW 300 kHz Function Width Function Value 2.500 0 GHz 2.486 1 GHz -57.76 dBm -55.49 dBm

#Video BW 300 kHz

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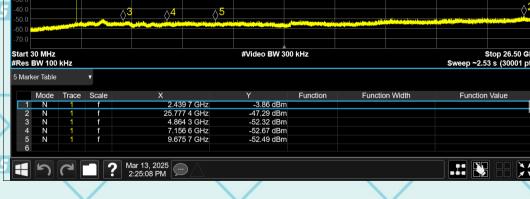
Span 8.000 MHz Sweep 1.00 ms (1001 pts)

Center 2.478000 GHz #Res BW 100 kHz

150



Mahahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** Mahalalak W5C7 Report No.: WSCT-ANAB-R&E241200075A-LE Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Powe Avg|Hold: 100/100 Trig: Free Run Mkr1 2.440 244 5 GHz 1 Spectrum Ref LvI Offset 4.28 dB Ref Level 20.00 dBm -1.43 dBm Scale/Div 10 dB **≬**1 #Video BW 300 kHz Center 2.4400000 GHz #Res BW 100 kHz Span 1.500 MHz Sweep 1.00 ms (1001 pts) Mar 13, 2025 2:24:37 PM 1 5 6 Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission Spectrum Analyzer 1 Swept SA + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 10/10 Trig: Free Run #Atten: 30 dB Preamp: Off PNNNNN Mkr1 2.439 7 GHz Ref LvI Offset 4.28 dB Ref Level 20.00 dBm -3.86 dBm Scale/Div 10 dB Start 30 MHz #Res BW 100 kHz Stop 26.50 GHz Sweep ~2.53 s (30001 pts) #Video BW 300 kHz Function Value Function Width



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Malahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** Mahalalaha W5C7 Report No.: WSCT-ANAB-R&E241200075A-LE Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Powe Avg|Hold: 100/100 Trig: Free Run Mkr1 2.480 244 5 GHz 1 Spectrum Ref LvI Offset 4.33 dB Ref Level 20.00 dBm -2.40 dBm Scale/Div 10 dB



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WS CT WS CT





Mahahaha World Standardization Certification & Testing Group (Shenzhen) Co., ltd. **ac-MRA** Mahalalaha W5C7 Report No.: WSCT-ANAB-R&E241200075A-LE Tx. Spurious NVNT BLE 2M 2478MHz Ant1 Ref + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Powe Avg|Hold: 100/100 Trig: Free Run Mkr1 2.477 997 GHz 1 Spectrum Ref LvI Offset 4.33 dB Ref Level 20.00 dBm -2.80 dBm Scale/Div 10 dB #Video BW 300 kHz Center 2.478000 GHz #Res BW 100 kHz Span 3.000 MHz Sweep 1.00 ms (1001 pts) Mar 13, 2025 1 5 6 Tx. Spurious NVNT BLE 2M 2478MHz Ant1 Emission Spectrum Analyzer 1 Swept SA + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) KEYSIGHT Input: RF PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 10/10 Trig: Free Run #Atten: 30 dB Preamp: Off PNNNNN Mkr1 2.478 5 GHz

WSCT







Report No.: WSCT-ANAB-R&E241200075A-LE

W5 CT

6.7. Radiated Spurious Emission Measurement

6.7.1.	Test S	pecific	ation
•			

	6.7.1. Test Specification		WELL		LIFE		$\overline{}$	UP15
				1= 00/			$\overline{}$	1
	Test Requirement:	FCC Part15	C Section	n 15.209			\wedge	
W5 CT	Test Method:	ANSI C63.10):2014	WSIT			WSCT	
	Frequency Range:	9 kHz to 25 (GHz			/		
	Measurement Distance:	3 m						
	Antenna Polarization: W5 [7]	Horizontal &	Vertical	1	W5	7		W5 C
\bigvee	Operation mode:	Refer to item	4.1					
\wedge		Frequency	Detector	RBW	VBW	R	Remark	
W5 CT	W5 CT°	9kHz- 150kHz	Quasi-pea	k 200Hz	1kHz	Quasi-	-peak Value	
	Receiver Setup:	150kHz- 30MHz	Quasi-pea	ık 9kHz	30kHz	Quasi-	-peak Value	
	Receiver Setup.	30MHz-1GHz	Quasi-pea	ık 100KHz	300KHz	Ouasi	-peak Value	\times
			Peak	1MHz	3MHz		ak Value	
	WS CT WS CT	Above 1GHz	Peak	1MHz	10Hz	Aver	age Value 🦯	W5C
				Field Stre	nath	Maa	surement	•
X	X	Frequen	су	(microvolts/	_		ce (meters)	
		0.009-0.4	190	2400/F(k			300	
W5	W5 CT°	0.490-1.7		24000/F(KHz)	_/	30	
		1.705-3		30			30	
		30-88 88-216		100 150	$\overline{}$		3	
	Limit:	216-96		200	/11/20		3	111111
	LIMITET WS ET	Above 9	60	500			3	(W5C)
				$ \vee$	Τ		\sim	
			Fie	ld Strength	Measure		D-11-	
W5 CT	WSET	Frequency	(micr	ovolts/meter)	Distan (meter		Detector	
		Above 1GHz	,	500	3		Average	
	X	Above 10112		5000	3		Peak	X
	WSET WSET	For radiated	emission	s below 30	MHz	7		WSE
7		Di	stance = 3m			Comput		
X	X	L				Comput		

Test setup:

W5 ET W5C

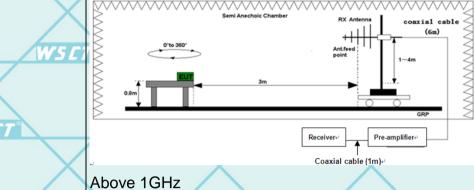
Pre -Amplifier Ground Plane

30MHz to 1GHz





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1. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.1 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. For the radiated emission test above 1GHz:

Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for

maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement

antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m. above the ground or reference ground plane.

Corrected Reading: Antenna Factor + Cable Loss +

Test Procedure:



Note 3:

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Repo	rt No.: WSCT-ANAB-R&E241200075	A-LE	
•		Read Level - Preamp Factor = Level	
		3. For measurement below 1GHz, If the emission level	
	WS CT WS CT	of the EUT measured by the peak detector is 3 dB	W5 CT
$\overline{}$	WEIGHT WEIGH	lower than the applicable limit, the peak emission	W-151
		level will be reported. Otherwise, the emission	
		measurement will be repeated using the quasi-peak	
WSCT	WSCT	detector and reported.	
	17-13-1	4. Use the following spectrum analyzer settings:	
	\sim	 Span shall wide enough to fully capture the emission being measured; 	\sim
	WS CT WS CT	(2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;	W5 CT
		Sweep = auto; Detector function = peak; Trace =	
X	\times	max hold;	
		(3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz	
WSCT	WSET"	for peak measurement. For average measurement: VBW = 10 Hz, when	
	X	duty cycle is no less than 98 percent. VBW ≥ 1/T,	X
		when duty cycle is less than 98 percent where T is	
	WSET WSET	the minimum transmission duration over which the	W5CT
		transmitter is on and is transmitting at its maximum	
X	X	power control level for the tested mode of operation.	
	Test mode:	Refer to section 4.1 for details	
WS CT	Test results: 15 CT	PASS ⁵ LT W5 LT W5 LT	
	V	X V	

Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz. According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB

lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode

W5_is worst. W5_CT W5_CT W5_CT

WSET WSET WSET WSET

WSET WSET WSET

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WELL

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WS ET







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W5CT

6.7.2. Test Data

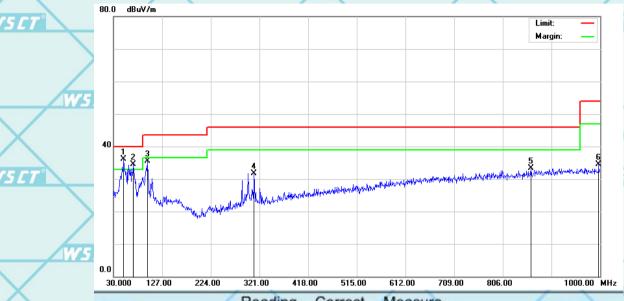
Please refer to following diagram for individual

Below 1GHz

W5CT*

W5C1

Horizontal:



Vo.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	4
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		50.3700	38.23	-2.14	36.09	40.00	-3.91	QP
2	41	69.7699	39.48	-4.88	34.60	40.00	-5.40	QP
3		97.9000	41.25	-5.68	35.57	43.50	-7.93	QP
4		310.3299	33.93	-2.18	31.75	46.00	-14.25	QP
5	1	862.2600	26.26	7.02	33.28	46.00	-12.72	QP
6		997.0900	25.97	8.51	34.48	54.00	-19.52	QP

WSGT WSGT WSGT WSGT

WSCT WSCT WSCT WSCT

WSET WSET WSET WSET

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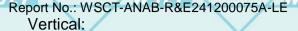


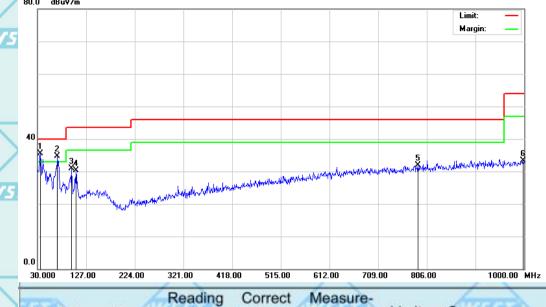




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ET BE	nit Over	Measure- ment	Correct Factor	Reading Level	Freq.	No. Mk.	>
Detector	//m dB	dBuV/m	dB	dBuV	MHz		5
QP /	0 -4.59	35.41	-2.08	37.49	35.8200	1 */	Ì
5 QP	0 -5.25	34.75	-4.88	39.63	69.7699	2 1	Ī
5 QP	0 -12.65	30.85	-5.68	36.53	97.9000	3	-
_	0 -13.20	30.30	-4.90	35.20	106.6300	4 1	
2 QP	0 -14.12	31.88	6.30	25.58	788.5400	745	
4 QP	0 -20.74	33.26	8.48	24.78	998.0600	6 9	5
2	0 -12.6 0 -13.2 0 -14.1	30.85 30.30 31.88	-5.68 -4.90 6.30	36.53 35.20 25.58	97.9000 106.6300 788.5400	3 4 1 5 7	5

WSE Note1:

Freq. = Emission frequency in MHz

Reading level (dBµV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dB μ V) - Limits (dB μ V)







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Above 1GHz

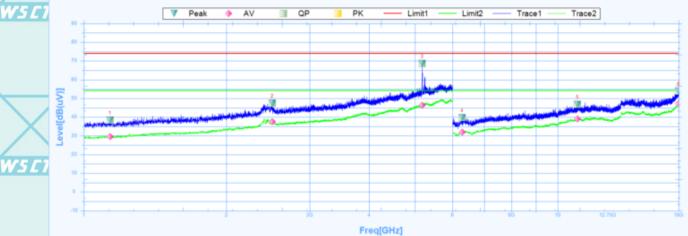
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3 BLE 1M and 2M both tested the report and only recorded the worst-case scenario 1M:

Low channel: 2402MHz

Horizontal:



	Susputed Data List													
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict			
	1	1135.6250	38.39	24.37	14.02	74	-35.61	360.1	Horizontal	PK	Pass			
24	1	1135.6250	29.58	24.37	5.21	54	-24.42	360.1	Horizontal	AV	Pass			
	2	2498.1250	47.4	27.59	19.81	74	-26.6	242	Horizontal	PK	Pass			
	2	2498.1250	37.46	27.59	9.87	54	-16.54	242	Horizontal	AV	Pass			
	3	5179.3750	68.72	31.74	36.98	74	-5.28	0.5	Horizontal	PK	Pass	1		
	3	5179.3750	46.36	31.74	14.62	54	-7.64	0.5	Horizontal	AV	Pass	3		
	4	6285.0000	39.66	4.26	35.4	74	-34.34	328.4	Horizontal	PK	Pass			
	4	6285.0000	31.92	4.26	27.66	54	-22.08	328.4	Horizontal	AV	Pass			
	5	11008.5000	46.7	15.64	31.06	74	-27.3	-0.1	Horizontal	PK	Pass			
-	5	11008.5000	38.97	15.64	23.33	54	-15.03	-0.1	Horizontal	AV	Pass			
74	6	17995.5000	53.84	23.9	29.94	74	-20.16	253	Horizontal	PK	Pass			
	6	17995.5000	47.15	23.9	23.25	54	-6.85	253	Horizontal	AV	Pass	1		

W5C1

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W5 CT

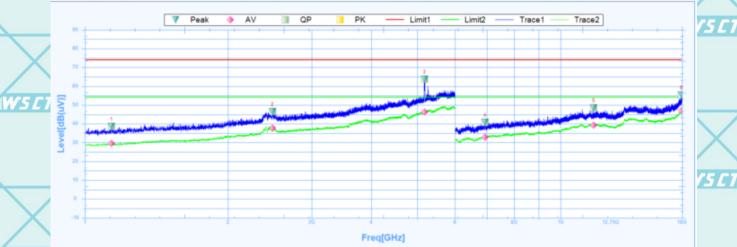




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W5CT°

Vertical:



W5 CT

W5 CI

W5 C

Suspu	ted Data Lis	st								
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1136.8750	38.58	24.37	14.21	74	-35.42	357.1	Vertical	PK	Pass
1	1136.8750	29.59	24.37	5.22	54	-24.41	357.1	Vertical	AV	Pass
2	2478.7500	46.51	27.53	18.98	74	-27.49	360.1	Vertical	PK	Pass
2	2478.7500	37.68	27.53	10.15	54	-16.32	360.1	Vertical	AV	Pass
3	5176.8750	63.86	31.74	32.12	74	-10.14	0.5	Vertical	PK	Pass
3	5176.8750	46.26	31.74	14.52	54	-7.74	0.5	Vertical	AV	Pass
4	6942.0000	40.86	6.16	34.7	74	-33.14	280.6	Vertical	PK	Pass
4	6942.0000	32.91	6.16	26.75	54	-21.09	280.6	Vertical	AV	Pass
5	11743.5000	48.5	16.11	32.39	74	-25.5	88.2	Vertical	PK	Pass
5	11743.5000	39.26	16.11	23.15	54	-14.74	88.2	Vertical	AV	Pass
6	17967.0000	55.48	23.7	31.78	74	-18.52	359.6	Vertical	PK	Pass
6	17967.0000	47.03	23.7	23.33	54	-6.97	359.6	Vertical	AV	Pass
	NO. 1 1 2 2 3 3 4 4 5 5 6	NO. Freq. [MHz] 1 1136.8750 1 1136.8750 2 2478.7500 2 2478.7500 3 5176.8750 4 6942.0000 4 6942.0000 5 11743.5000 6 17967.0000	Image: MHz [dB(uV)] 1 1136.8750 38.58 1 1136.8750 29.59 2 2478.7500 46.51 2 2478.7500 37.68 3 5176.8750 63.86 3 5176.8750 46.26 4 6942.0000 40.86 4 6942.0000 32.91 5 11743.5000 48.5 5 117967.0000 55.48	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] 1 1136.8750 38.58 24.37 1 1136.8750 29.59 24.37 2 2478.7500 46.51 27.53 2 2478.7500 37.68 27.53 3 5176.8750 63.86 31.74 4 6942.0000 40.86 6.16 4 6942.0000 32.91 6.16 5 11743.5000 48.5 16.11 5 11743.5000 39.26 16.11 5 17967.0000 55.48 23.7	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] 1 1136.8750 38.58 24.37 14.21 1 1136.8750 29.59 24.37 5.22 2 2478.7500 46.51 27.53 18.98 2 2478.7500 37.68 27.53 10.15 3 5176.8750 63.86 31.74 32.12 3 5176.8750 46.26 31.74 14.52 4 6942.0000 40.86 6.16 34.7 4 6942.0000 32.91 6.16 26.75 5 11743.5000 48.5 16.11 32.39 5 11743.5000 39.26 16.11 23.15 6 17967.0000 55.48 23.7 31.78	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] 1 1136.8750 38.58 24.37 14.21 74 1 1136.8750 29.59 24.37 5.22 54 2 2478.7500 46.51 27.53 18.98 74 2 2478.7500 37.68 27.53 10.15 54 3 5176.8750 63.86 31.74 32.12 74 3 5176.8750 46.26 31.74 14.52 54 4 6942.0000 40.86 6.16 34.7 74 4 6942.0000 32.91 6.16 26.75 54 5 11743.5000 48.5 16.11 32.39 74 5 11743.5000 39.26 16.11 23.15 54 6 17967.0000 55.48 23.7 31.78 74	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] Margin [dB] 1 1136.8750 38.58 24.37 14.21 74 -35.42 1 1136.8750 29.59 24.37 5.22 54 -24.41 2 2478.7500 46.51 27.53 18.98 74 -27.49 2 2478.7500 37.68 27.53 10.15 54 -16.32 3 5176.8750 63.86 31.74 32.12 74 -10.14 3 5176.8750 46.26 31.74 14.52 54 -7.74 4 6942.0000 40.86 6.16 34.7 74 -33.14 4 6942.0000 32.91 6.16 26.75 54 -21.09 5 11743.5000 48.5 16.11 32.39 74 -25.5 5 11743.5000 39.26 16.11 23.15 54 -14.74 6 17967.00	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] Margin [dB] Deg [°] 1 1136.8750 38.58 24.37 14.21 74 -35.42 357.1 1 1136.8750 29.59 24.37 5.22 54 -24.41 357.1 2 2478.7500 46.51 27.53 18.98 74 -27.49 360.1 2 2478.7500 37.68 27.53 10.15 54 -16.32 360.1 3 5176.8750 63.86 31.74 32.12 74 -10.14 0.5 3 5176.8750 46.26 31.74 14.52 54 -7.74 0.5 4 6942.0000 40.86 6.16 34.7 74 -33.14 280.6 5 11743.5000 32.91 6.16 26.75 54 -21.09 280.6 5 11743.5000 39.26 16.11 23.15 54 -14.74 88.2 <th>NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] Margin [dB] Deg [°] Polarity 1 1136.8750 38.58 24.37 14.21 74 -35.42 357.1 Vertical 1 1136.8750 29.59 24.37 5.22 54 -24.41 357.1 Vertical 2 2478.7500 46.51 27.53 18.98 74 -27.49 360.1 Vertical 2 2478.7500 37.68 27.53 10.15 54 -16.32 360.1 Vertical 3 5176.8750 63.86 31.74 32.12 74 -10.14 0.5 Vertical 3 5176.8750 46.26 31.74 14.52 54 -7.74 0.5 Vertical 4 6942.0000 40.86 6.16 34.7 74 -33.14 280.6 Vertical 5 11743.5000 48.5 16.11 32.39 74 -25.5 88.2</th> <th>NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] Margin [dB] Deg [°] Polarity Trace 1 1136.8750 38.58 24.37 14.21 74 -35.42 357.1 Vertical PK 1 1136.8750 29.59 24.37 5.22 54 -24.41 357.1 Vertical AV 2 2478.7500 46.51 27.53 18.98 74 -27.49 360.1 Vertical PK 2 2478.7500 37.68 27.53 10.15 54 -16.32 360.1 Vertical AV 3 5176.8750 63.86 31.74 32.12 74 -10.14 0.5 Vertical PK 3 5176.8750 46.26 31.74 14.52 54 -7.74 0.5 Vertical PK 4 6942.0000 40.86 6.16 34.7 74 -33.14 280.6 Vertical PK 5</th>	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] Margin [dB] Deg [°] Polarity 1 1136.8750 38.58 24.37 14.21 74 -35.42 357.1 Vertical 1 1136.8750 29.59 24.37 5.22 54 -24.41 357.1 Vertical 2 2478.7500 46.51 27.53 18.98 74 -27.49 360.1 Vertical 2 2478.7500 37.68 27.53 10.15 54 -16.32 360.1 Vertical 3 5176.8750 63.86 31.74 32.12 74 -10.14 0.5 Vertical 3 5176.8750 46.26 31.74 14.52 54 -7.74 0.5 Vertical 4 6942.0000 40.86 6.16 34.7 74 -33.14 280.6 Vertical 5 11743.5000 48.5 16.11 32.39 74 -25.5 88.2	NO. Freq. [MHz] Reading [dB(uV)] Factor [dB] Level [dB(uV)] Limit [dB] Margin [dB] Deg [°] Polarity Trace 1 1136.8750 38.58 24.37 14.21 74 -35.42 357.1 Vertical PK 1 1136.8750 29.59 24.37 5.22 54 -24.41 357.1 Vertical AV 2 2478.7500 46.51 27.53 18.98 74 -27.49 360.1 Vertical PK 2 2478.7500 37.68 27.53 10.15 54 -16.32 360.1 Vertical AV 3 5176.8750 63.86 31.74 32.12 74 -10.14 0.5 Vertical PK 3 5176.8750 46.26 31.74 14.52 54 -7.74 0.5 Vertical PK 4 6942.0000 40.86 6.16 34.7 74 -33.14 280.6 Vertical PK 5

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WSET

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WSET WSET

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W5ET





Report No.: WSCT-ANAB-R&E241200075A-LE

W5CT

Middle channel: 2440MHz

17998.5000

47.18

23.92

Horizontal:

Peak Limit2 Trace2 Trace1 W5C

W5E

W5 E

ш												
	Suspu	ited Data Lis	st									
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	2
	1	1135.0000	38.42	24.37	14.05	74	-35.58	86.6	Horizontal	PK	Pass	1
	1	1135.0000	29.36	24.37	4.99	54	-24.64	86.6	Horizontal	AV	Pass	
	2	2517.5000	55.51	27.62	27.89	74	-18.49	81.8	Horizontal	PK	Pass	
1	2	2517.5000	37.02	27.62	9.4	54	-16.98	81.8	Horizontal	AV	Pass	
¥	3	5176.2500	66.58	31.74	34.84	74	-7.42	265.9	Horizontal	PK	Pass	
	3	5176.2500	46.51	31.74	14.77	54	-7.49	265.9	Horizontal	AV	Pass	
	4	6403.5000	39.2	4.56	34.64	74	-34.8	-0.1	Horizontal	PK	Pass	
	4	6403.5000	31.91	4.56	27.35	54	-22.09	-0.1	Horizontal	AV	Pass	/
	5	10522.5000	45.32	14.02	31.3	74	-28.68	-0.1	Horizontal	PK	Pass	
	5	10522.5000	38.08	14.02	24.06	54	-15.92	-0.1	Horizontal	AV	Pass	1/2
	6	17998 5000	54.05	23.02	30.13	74	-10.05	60.6	Horizontal	DK	Page	

23.26

-6.82

60.6

Horizontal

W5 C1 WS ET W5 CT W5 E1

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ΑV

Pass

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W5CT

W5 CT



W5 CT





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Report No.: WSCT-ANAB-R&E241200075A-LE

W5CT

Vertical:



W5 CT

W5 C

W51

5	Suspu	ited Data Lis	t								
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
	1	1198.1250	38.75	24.4	14.35	74	-35.25	271.8	Vertical	PK	Pass
	1	1198.1250	29.65	24.4	5.25	54	-24.35	271.8	Vertical	AV	Pass
/	2	2440.0000	47.61	27.4	20.21	74	-26.39	334.1	Vertical	PK	Pass
	2	2440.0000	38.63	27.4	11.23	54	-15.37	334.1	Vertical	AV	Pass
1	3	5258.1250	62.99	31.81	31.18	74	-11.01	360.1	Vertical	PK	Pass
	3	5258.1250	46.9	31.81	15.09	54	-7.1	360.1	Vertical	AV	Pass
	4	6330.0000	39.39	4.4	34.99	74	-34.61	355.1	Vertical	PK	Pass
	4	6330.0000	31.79	4.4	27.39	54	-22.21	355.1	Vertical	AV	Pass
	5	10948.5000	47.45	15.33	32.12	74	-26.55	357.4	Vertical	PK	Pass
	5	10948.5000	38.86	15.33	23.53	54	-15.14	357.4	Vertical	AV	Pass
	6	17985.0000	53.58	23.82	29.76	74	-20.42	275.8	Vertical	PK	Pass
1	6	17985.0000	47.05	23.82	23.23	54	-6.95	275.8	Vertical	AV	Pass

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W5ET





Report No.: WSCT-ANAB-R&E241200075A-LE

W5 CT

High channel: 2480MHz

Horizontal:

15 CI Trace2 W5 CI Freq[GHz]

	Suspu	ited Data Lis	st									1
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	/
	1	1171.8750	38.12	24.39	13.73	74	-35.88	1.1	Horizontal	PK	Pass	1
/	1	1171.8750	29.6	24.39	5.21	54	-24.4	1.1	Horizontal	AV	Pass	
	2	2406.8750	47.33	27.28	20.05	74	-26.67	77	Horizontal	PK	Pass	
1	2	2406.8750	38.06	27.28	10.78	54	-15.94	77	Horizontal	AV	Pass	
	3	5182.5000	67.76	31.75	36.01	74	-6.24	360	Horizontal	PK	Pass	
	3	5182.5000	45.67	31.75	13.92	54	-8.33	360	Horizontal	AV	Pass	
	4	6349.5000	39.57	4.45	35.12	74	-34.43	119.2	Horizontal	PK	Pass	
	4	6349.5000	32.13	4.45	27.68	54	-21.87	119.2	Horizontal	AV	Pass	/
	5	10029.0000	44.64	12.43	32.21	74	-29.36	-0.1	Horizontal	PK	Pass	,
	5	10029.0000	36.19	12.43	23.76	54	-17.81	-0.1	Horizontal	AV	Pass	2
/	6	17857.5000	54.44	22.99	31.45	74	-19.56	35.5	Horizontal	PK	Pass	
	6	17857.5000	45.87	22.99	22.88	54	-8.13	35.5	Horizontal	AV	Pass	

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W5 CT

W5C1



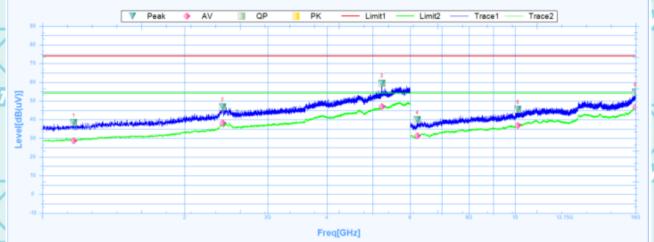




Report No.: WSCT-ANAB-R&E241200075A-LE

W5 CI

Vertical:



Suspi	Susputed Data List													
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict				
1	1165.0000	38.45	24.38	14.07	74	-35.55	202.5	Vertical	PK	Pass				
1	1165.0000	28.71	24.38	4.33	54	-25.29	202.5	Vertical	AV	Pass				
2	2405.6250	46.82	27.28	19.54	74	-27.18	126	Vertical	PK	Pass				
2	2405.6250	38.2	27.28	10.92	54	-15.8	126	Vertical	AV	Pass				
3	5228.1250	59.47	31.78	27.69	74	-14.53	128.4	Vertical	PK	Pass				
3	5228.1250	47	31.78	15.22	54	-7	128.4	Vertical	AV	Pass				
4	6213.0000	39.93	4.03	35.9	74	-34.07	347	Vertical	PK	Pass				
4	6213.0000	31.39	4.03	27.36	54	-22.61	347	Vertical	AV	Pass				
5	10141.5000	45.39	12.79	32.6	74	-28.61	329.7	Vertical	PK	Pass				
5	10141.5000	36.79	12.79	24	54	-17.21	329.7	Vertical	AV	Pass				
6	17976.0000	54.61	23.76	30.85	74	-19.39	289	Vertical	PK	Pass				
6	17976.0000	46.78	23.76	23.02	54	-7.22	289	Vertical	AV	Pass				

- All emissions not reported were more than 20dB below the specified limit or in the noise floor.
- Emission Level= Reading Level + Probe Factor +Cable Loss.
- Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4. EUT has been tested in unfolded states, and the report only reflects data in the unfolded state (worst-case scenario)

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Report No.: WSCT-ANAB-R&E241200075A-LE

6.7.3. Restricted Bands Requirements

Test result for GFSK Mode (the worst case) W5 []

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	1 est lesuit it	J. Q. O	\u.				7		-
	Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector	
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V		
-	(1411 12)	(dBdV/III)	ab/iii	,	,	(GD)	1 1/ V		7
4		MELI	\rightarrow	Low Chan	inel				ľ
	2390	62.92	-8.76	54.16	74	19.84	H	PK	
	2390	56.95	-8.76	48.19	54	5.81	H	AV	
	2390	62.27	-8.73	53.54	W 74 <i>CT</i> °	20.46	V/5	PK	
	2390	56.89	-8.73	48.16	54	5.84	V	AV	
				High Char	nnel		ï		
r	2483.5	61.50	-8.76	52.74	74	21.26	Н	PK	7
	2483.5	56.09	-8.76	47.33	54	6.67	Н	AV	ľ
	2483.5	60.67	-8.73	51.94	74	22.06	V >	PK	
	2483.5	56.55	-8.73	47.82	54	6.18	V	AV	
	Note: Frog - En	ainaian fraguana	ovino MALI-					mary marks	

Note: Freq. = Emission frequency in MHz
Reading level (dBµV) = Receiver reading

Corr. Factor (dB) = Attenuation factor + Cable loss

Level $(dB\mu V) = Reading level (dB\mu V) + Corr. Factor (dB)$

Limit (dB μ V) = Limit stated in standard Margin (dB) = Level (dB μ V) - Limits (dB μ V)

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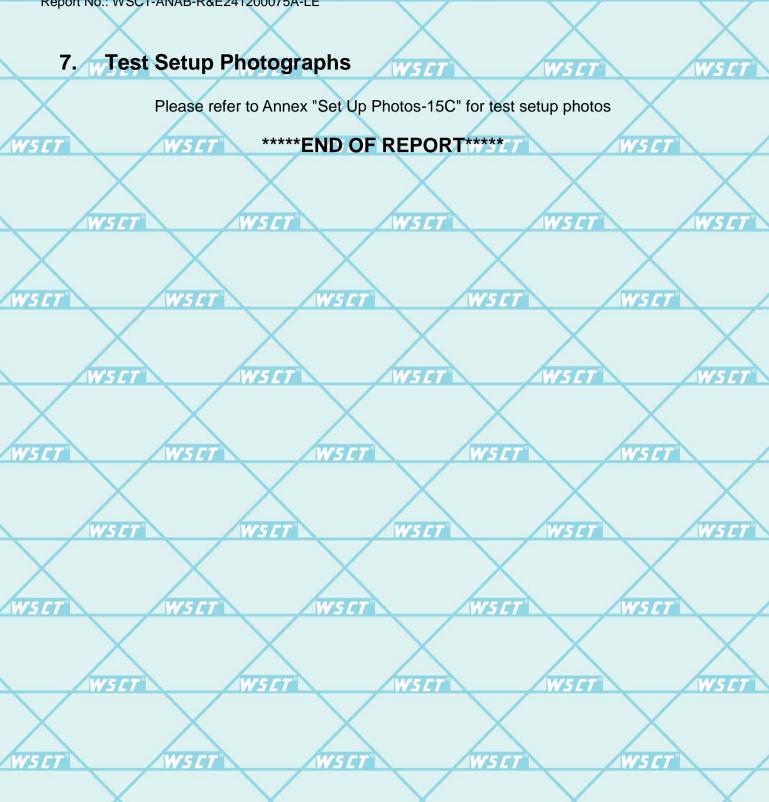
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