

Applicant: Mego Afek AC ltd

Product: Tablet PC

Model No.: M-TA7

Trademark: N/A

Test Standards: FCC Part 15.247

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10, FCC Part 15.247 for the

evaluation of electromagnetic compatibility

Approved By

Terry Tong

Terry Tang

Manager

Dated: December 09, 2022

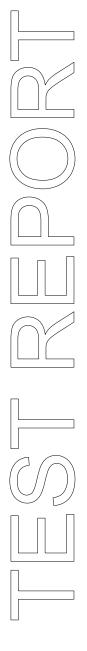
Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

1.2 Applicant Details

Applicant: Mego Afek AC ltd

Address: Kibbutz Afek, 3004200, Israel

Telephone: +972-779084361

Fax: --

1.3 Description of EUT

Product: Tablet PC

Manufacturer: Crystel HK Limited

Address: Rm1803, 18th/F, Block East, YiHai Plaza, No.90 ChuangYe Rd, NanShan District,

518054, ShenZhen, China

Trademark: N/A
Model Number: M-TA7
Additional Model Number: N/A
Hardware Version: AK47-BT-V4.2
Software Version: M-TA7 20210728

Serial No.: 7290016330199

Type of Modulation GFSK, Л/4DQPSK, 8DPSK for Bluetooth

Frequency range 2402-2480MHz for Bluetooth

Channel Spacing 1MHz for Bluetooth

Frequency Selection By software

Channel Number 79 channels for Bluetooth

Antenna: FPC antenna with gain 3.03dBi Max (Get from the antenna specification)

Rating: DC5.0V, 2.0 A

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2022-11-10 to 2022-12-09

The report refers only to the sample tested and does not apply to the bulk.

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1.6 Test Uncertainty

Conducted Emissions Uncertainty = 3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17
LISN	R&S	EZH3-Z5	100253	2022-07-18	2023-07-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2022-07-18	2023-07-17
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2022-07-15	2023-07-14
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2022-07-18	2023-07-17
Power sensor	Anritsu	MA2491A	32263	2022-07-18	2023-07-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2022-07-15	2023-07-14
EMI Test Receiver	RS	ESCS 30	834115/006	2022-07-15	2023-07-14
Spectrum	HP/Agilent	E4407B	MY50441392	2022-07-15	2023-07-14
Spectrum	RS	FSP	1164.4391.38	2022-07-15	2023-07-14
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/F A		2022-07-15	2023-07-14
RF Cable	Zhengdi	7m		2022-07-15	2023-07-14
Pre-Amplifier	Schwarebeck	BBV9743	#218	2022-07-15	2023-07-14
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2022-07-15	2023-07-14
LISN	SCHAFFNER	NNB42	00012	2022-08-18	2023-07-17
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17

2.2 Automation Test Software

For Conducted Emission Test

or conducted Emission Test							
Name	Version						
EZ-EMC	Ver.EMC-CON 3A1.1						
For Radiated Emissions							
Name	Version						
EMI Test Software BL410-EV18.91	V18.905						
EMI Test Software BL410-EV18.806 High Frequency	V18.06						

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3.0 **Technical Details**

3.1 **Summary of test results**

The EUT has been tested according to the following specifications:

Requirement	CFR 47 Section	Result	Notes
Antenna Requirement	15.203, 15.247(b)(4)	Pass	Complies
Maximum Peak Out Power	15.247 (b)(1), (4)	Pass	Complies
Carrier Frequency Separation	15.247(a)(1)	Pass	Complies
20dB Channel Bandwidth	15.247 (a)(1)	Pass	Complies
Number of Hopping Channels	15.247(a)(iii), 15.247(b)(1)	Pass	Complies
Time of Occupancy (Dwell Time)	15.247(a)(iii)	Pass	Complies
Spurious Emission, Band Edge, and Restricted bands	15.247(d),15.205(a), 15.209 (a),15.109	Pass	Complies
Conducted Emissions	15.207(a), 15.107	Pass	Complies
RF Exposure	15.247(i), 1.1307(b)(1)	Pass	Complies

3.2 **Test Standards**

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

4.0 **EUT Modification**

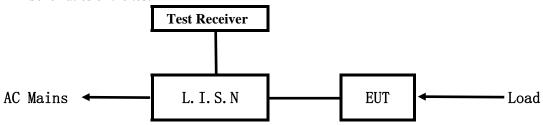
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

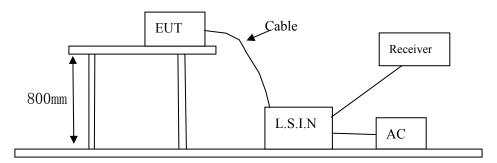


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Tablet PC	Crystel HK Limited	M-TA7	2A9CI-M-TA7

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B. Internal Device

Device	Manufacturer	Model	Rating

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)				
(MHz)	Quasi-peak Level	Average Level			
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*			
$0.50 \sim 5.00$	56.0	46.0			
5.00 ~ 30.00	60.0	50.0			

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

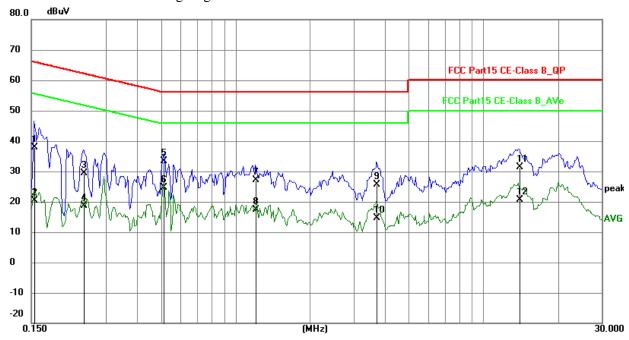
EUT Operating Environment

Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 26°C

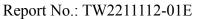
EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1548	28.04	9.78	37.82	65.74	-27.92	QP	Р
2	0.1548	10.63	9.78	20.41	55.74	-35.33	AVG	Р
3	0.2436	19.51	9.75	29.26	61.97	-32.71	QP	Р
4	0.2436	8.87	9.75	18.62	51.97	-33.35	AVG	Р
5	0.5127	23.71	9.77	33.48	56.00	-22.52	QP	Р
6	0.5127	14.88	9.77	24.65	46.00	-21.35	AVG	Р
7	1.2069	17.29	9.79	27.08	56.00	-28.92	QP	Р
8	1.2069	7.58	9.79	17.37	46.00	-28.63	AVG	Р
9	3.7137	15.65	9.87	25.52	56.00	-30.48	QP	Р
10	3.7137	4.87	9.87	14.74	46.00	-31.26	AVG	Р
11	13.9317	20.97	10.33	31.30	60.00	-28.70	QP	Р
12	13.9317	10.22	10.33	20.55	50.00	-29.45	AVG	Р



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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

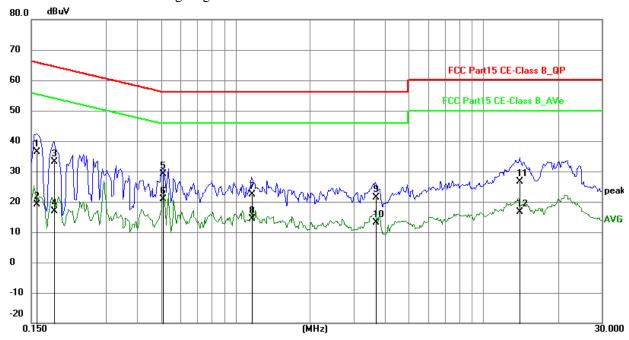
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1578	26.59	9.78	36.37	65.58	-29.21	QP	Р
2	0.1578	9.36	9.78	19.14	55.58	-36.44	AVG	Р
3	0.1850	23.46	9.76	33.22	64.26	-31.04	QP	Р
4	0.1850	7.02	9.76	16.78	54.26	-37.48	AVG	Р
5	0.5088	19.26	9.77	29.03	56.00	-26.97	QP	Р
6	0.5088	11.02	9.77	20.79	46.00	-25.21	AVG	Р
7	1.1601	12.51	9.79	22.30	56.00	-33.70	QP	Р
8	1.1601	4.67	9.79	14.46	46.00	-31.54	AVG	Р
9	3.6630	11.43	9.87	21.30	56.00	-34.70	QP	Р
10	3.6630	3.22	9.87	13.09	46.00	-32.91	AVG	Р
11	14.0058	16.35	10.34	26.69	60.00	-33.31	QP	Р
12	14.0058	6.24	10.34	16.58	50.00	-33.42	AVG	Р

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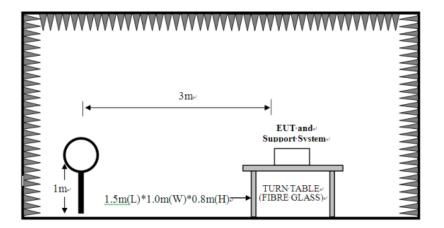


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "**QP**" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



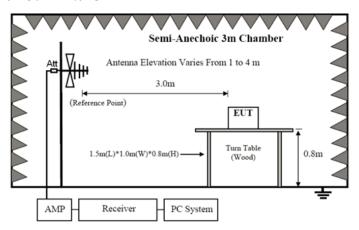
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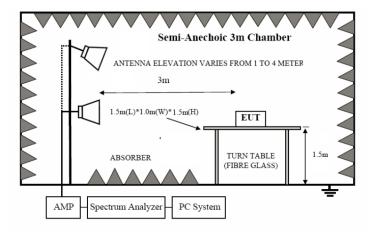
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT
 Same as section 5.3 of this report
- 6.3 EUT Operating Condition

 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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Frequencies in restricted band are complied to limit on Paragraph 15.209

		~ <u>.</u>
Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
- 6. Three modulation types wert tested and only the worst case was reported and 8DPSK was the worst case.
- 7. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal/Vertical (30MHz----1000MHz)

EUT set Condition: Keep Bluetooth Transmitting

Results: Pass

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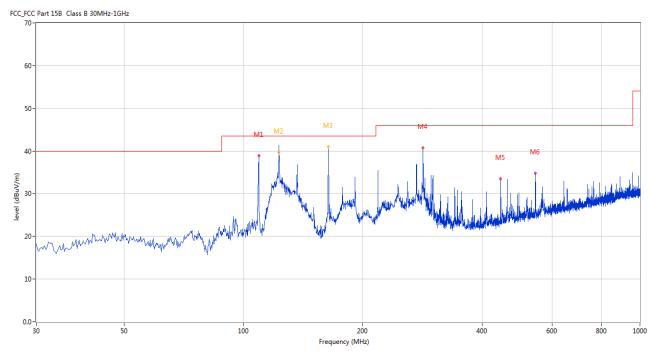
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Test Figure:

H



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	109.278	38.85	-13.56	43.5	-4.65	Peak	13.00	200	Horizontal	Pass
2*	122.849	39.66	-15.83	43.5	-3.84	QP	0.00	176	Horizontal	Pass
3*	163.769	41.05	-16.31	43.5	-2.45	QP	1.00	200	Horizontal	Pass
4	283.592	40.78	-11.37	46.0	-5.22	Peak	7.00	100	Horizontal	Pass
5	445.541	33.54	-8.02	46.0	-12.46	Peak	243.00	200	Horizontal	Pass
6	544.456	34.85	-6.40	46.0	-11.15	Peak	0.00	200	Horizontal	Pass

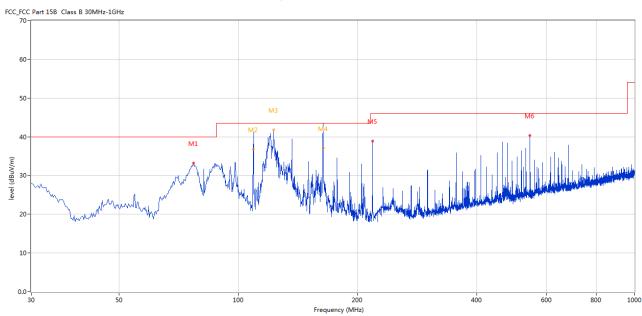
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Test Figure:

V



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	77.033	33.16	-17.60	40.0	-6.84	Peak	357.00	100	Vertical	Pass
2*	109.180	36.78	-13.56	43.5	-6.72	QP	360.00	184	Vertical	Pass
3*	122.842	41.73	-15.86	43.5	-1.77	QP	188.00	110	Vertical	Pass
4*	163.783	37.05	-16.33	43.5	-6.45	QP	360.00	100	Vertical	Pass
5	218.375	38.88	-13.37	46.0	-7.12	Peak	78.00	100	Vertical	Pass
6	544.456	40.30	-6.40	46.0	-5.70	Peak	360.00	200	Vertical	Pass

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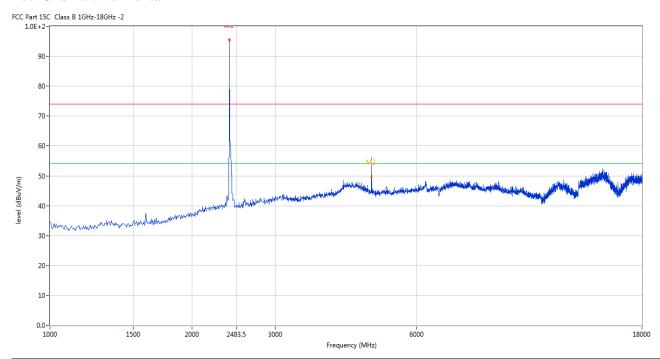
Date: 2022-12-09



Test Figures above 1GHz:

Please refer to the following test plots for details:

Low Channel: Horizontal



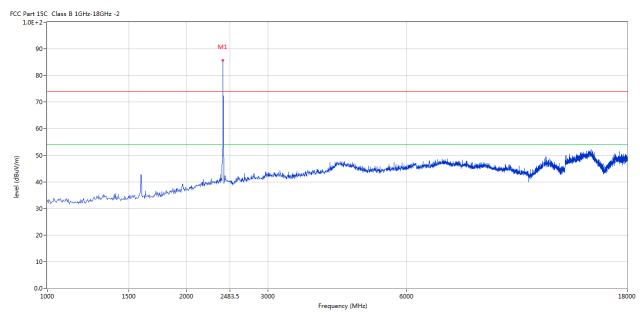
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402	95.41	-3.57	74.0	21.41	Peak	60.00	100	Horizontal	N/A
2	4802.799	56.17	3.12	74.0	-17.83	Peak	199.00	100	Horizontal	Pass
2**	4802.799	49.45	3.12	54.0	-4.55	AV	199.00	100	Horizontal	Pass

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Low Channel: Vertical



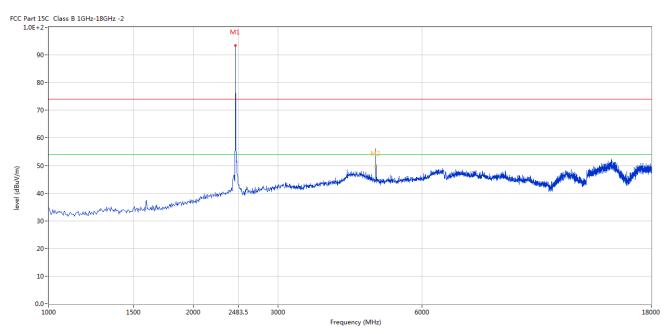
N	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2402	85.76	-3.57	74.0	11.76	Peak	317.00	100	Vertical	N/A

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Middle Channel: Horizontal



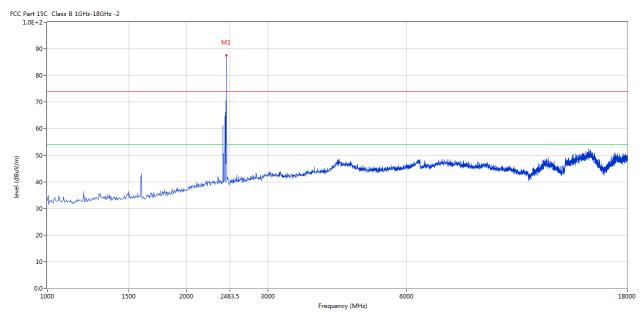
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2441	93.41	-3.57	74.0	19.41	Peak	60.00	100	Horizontal	N/A
2	4881.799	56.17	3.12	74.0	-17.83	Peak	199.00	100	Horizontal	Pass
2**	4881.799	49.45	3.12	54.0	-4.55	AV	199.00	100	Horizontal	Pass

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Middle Channel: Vertical



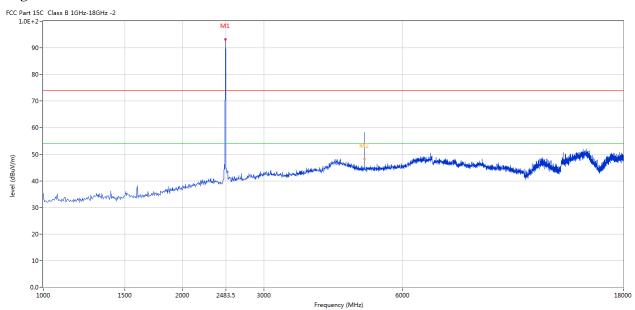
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	87.52	-3.57	74.0	13.52	Peak	188.00	100	Vertical	N/A

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High Channel: Horizontal



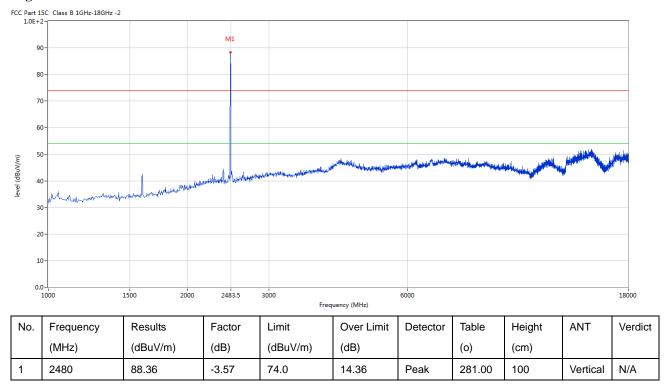
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	92.25	-3.57	74.0	18Detector.25	Peak	79.00	100	Horizontal	N/A
2	4960.010	58.20	3.36	74.0	-15.80	Peak	84.00	100	Horizontal	Pass
2**	4960.010	48.14	3.36	54.0	-5.86	AV	84.00	100	Horizontal	Pass

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High Channel: Vertical



Note: 1. for the radiated emissions above 18G and below 30MHz, it is the floor noise.

2. the measured PK radiated emissions level less than the AV limit, so no necessary to take down the AV result

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7.0 20dB Bandwidth Measurement

7.1 Regulation

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

7.2 Limits of 20dB Bandwidth Measurement

N/A

7.3 Test Procedure.

- 1. Check the calibration of the measuring instrument (spectrum analyzer) using either an internal calibrator or a known signal from an external generator.
- 2. Set the spectrum analyzer as follows: Span =3MHz, RBW =30 kHz, VBW=100 kHz, Sweep = auto Detector function = peak, Trace = max hold
- 3. Measure the highest amplitude appearing on spectral display and record the level to calculate results. 6. Repeat above procedures until all frequencies measured were complete.

7.4 Test Result

Type of Modulation: GFSK

Type of Modulation. G151x									
EUT	Т	ablet PC	Model	M-TA7					
Mode	Keep	Transmitting	Input Voltage	DC5.0V					
Temperat	ure 2	4 deg. C,	Humidity 56% RF						
Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (kHz)	Pass/ Fail					
Low	2402	878		Pass					
Middle	2441	860		Pass					
High	2480	872		Pass					

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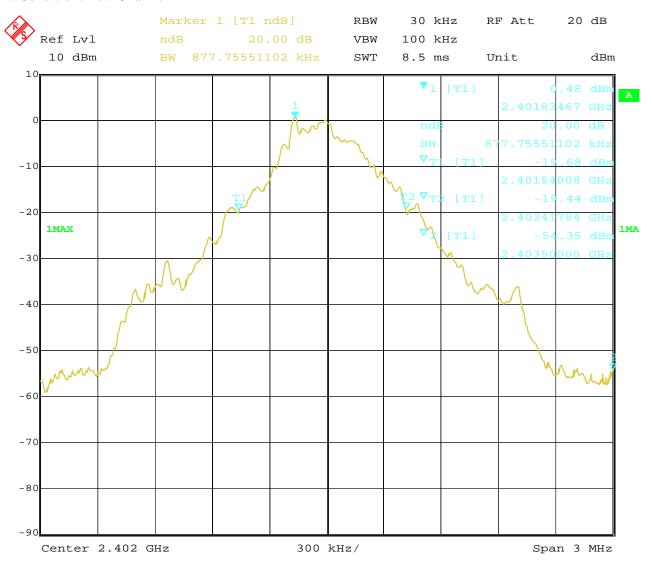
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Test Figure:

1. Condition: Low Channel



Date: 5.DEC.2022 09:12:53

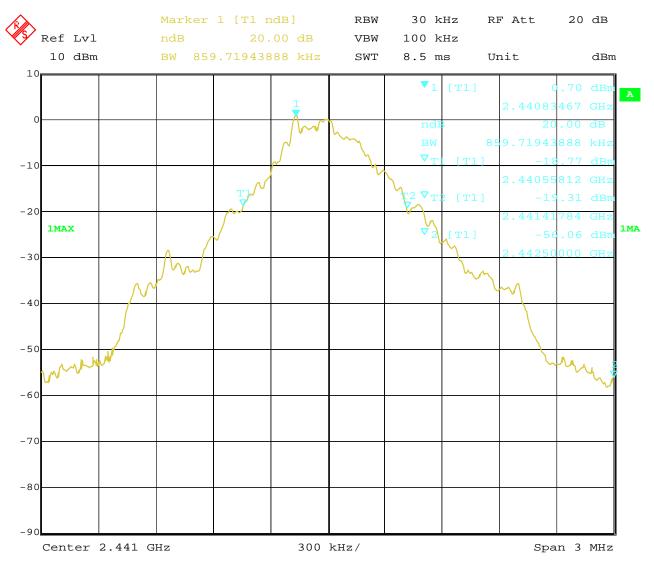
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2. Condition: Middle Channel

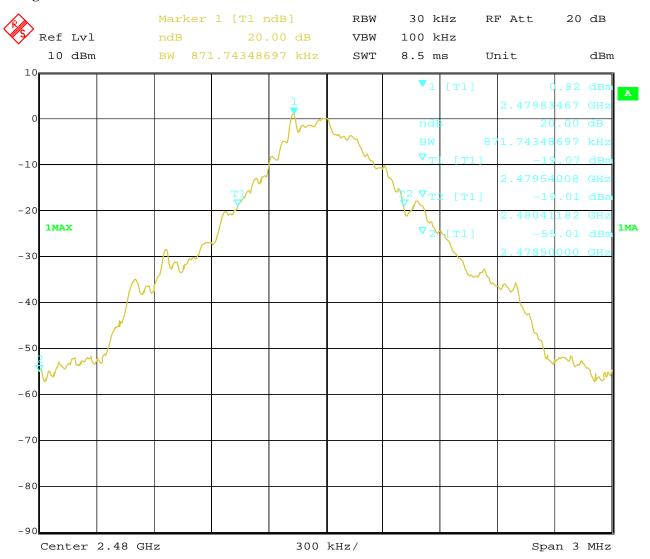


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3. High Channel



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Test Result

Type of Modulation: JI/4DQPSK

EUT	,	Tablet PC	Model	M-TA7
Mode	Keep	Transmitting	Input Voltage	DC5.0V
Temperature	2	24 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz) Channel 20 dB Bandwidth (kHz)		Maximum Limit (kHz)	Pass/ Fail
Low	2402	1232		Pass
Middle	2441	1232		Pass
High	2480	1238		Pass

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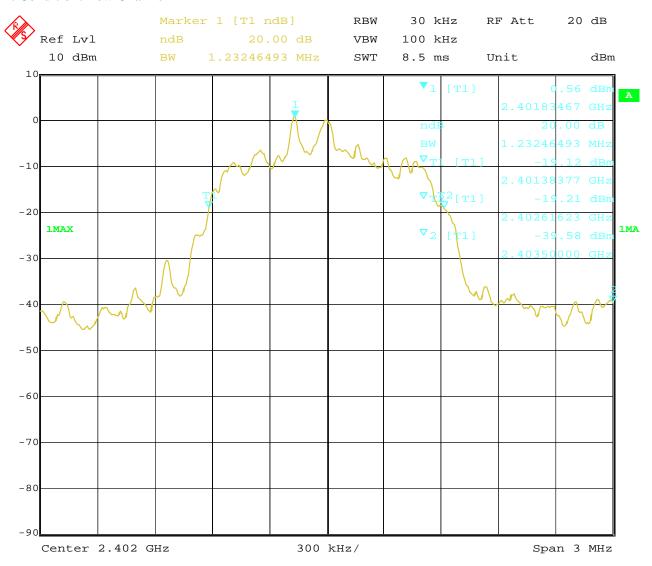
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Test Figure:

1. Condition: Low Channel



Date: 5.DEC.2022 08:48:33

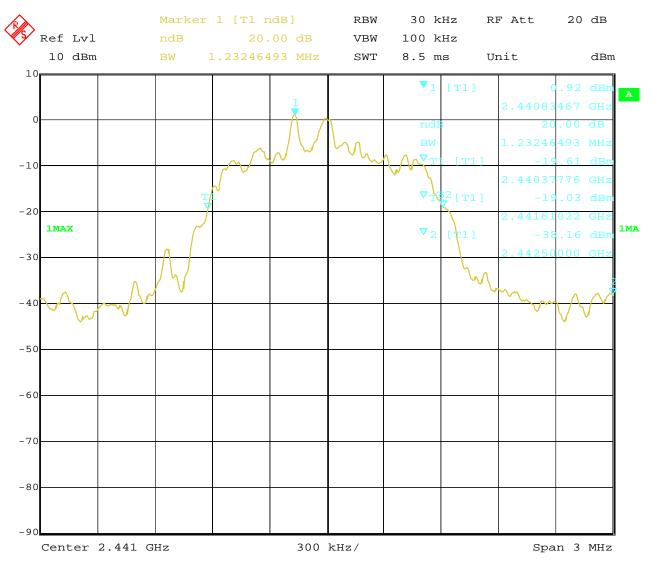
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2. Condition: Middle Channel

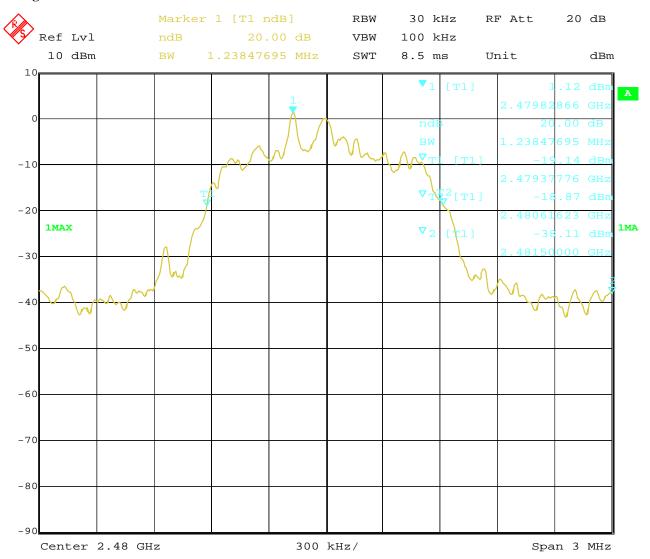


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3. High Channel



Date: 5.DEC.2022 08:31:03

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Test Result

Type of Modulation: 8DPSK

EUT	Т	ablet PC	Model	M-TA7
Mode	Keep	Transmitting	Input Voltage	DC5.0V
Temperature	24	4 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz) 20 dB Bandwidth (kHz)		Maximum Limit (kHz)	Pass/ Fail
Low	2402	1238		Pass
Middle	2441	1238		Pass
High	2480	1238		Pass

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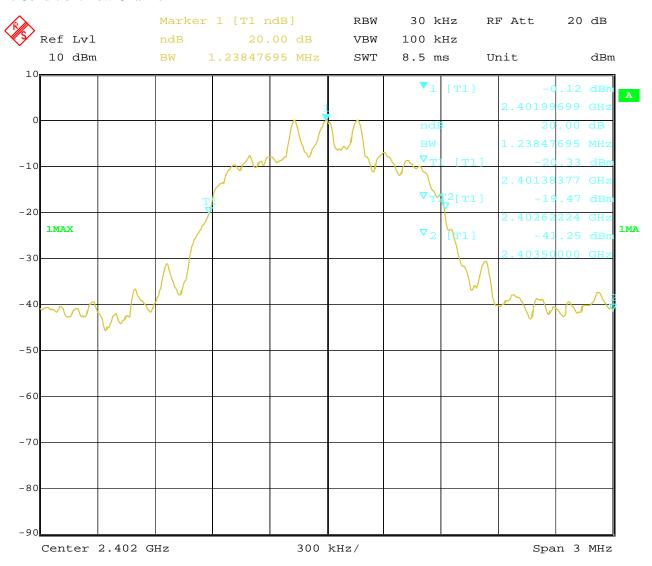
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Test Figure:

1. Condition: Low Channel

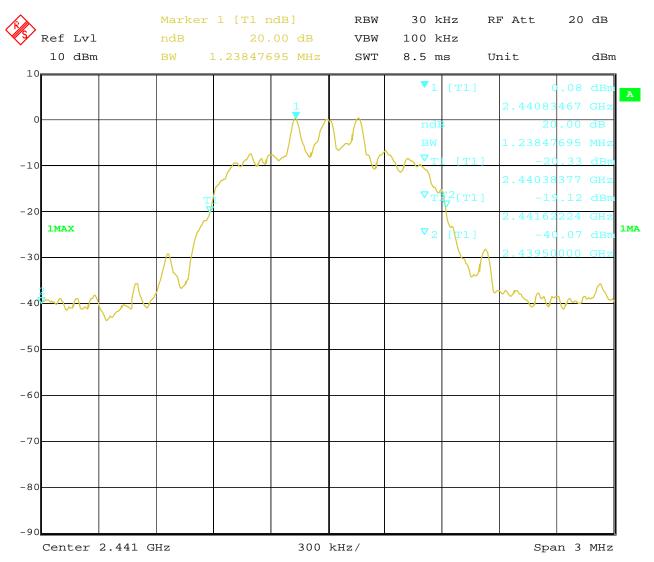


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2. Condition: Middle Channel

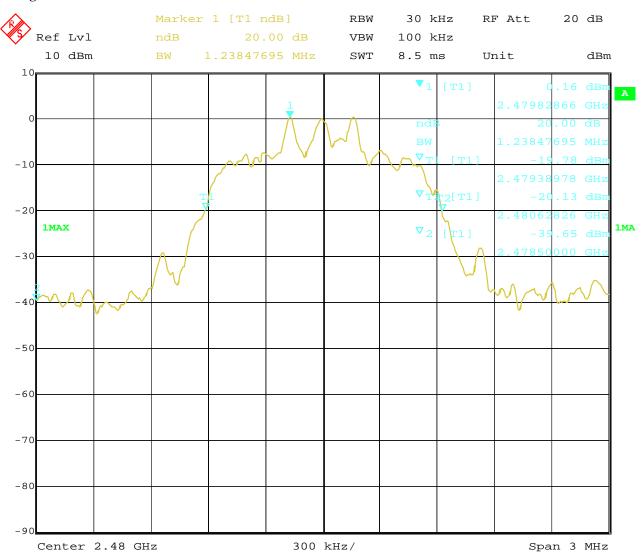


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3. High Channel



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8. Maximum Output Power

8.1 Regulation

According to §15.247(b)(1), for frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5MHz band:0.125 watts. According to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

8.3 Test Procedure

- 1. Check the calibration of the measuring instrument (spectrum analyzer) using either an internal calibrator or a known signal from an external generator.
- 2. Set the spectrum analyzer as follows: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel; RBW > the 20 dB bandwidth of the emission being measured; VBW = RBW=3MHz; Sweep = 60s; Detector function = PK; Trace = max hold
- 3. Measure the highest amplitude appearing on spectral display and record the level to calculate results.
- 4. Repeat above procedures until all frequencies measured were complete.

Note: The AV power were measured

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8.4Test Results

Type of Modulation: GFSK

EUT	Tablet PC		Model	M-TA7
Mode	Keep Transmitting		Input Voltage	DC5.0V
Temperature		24 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz)	Max. Power Output (dBm)	Peak Power Limit (dBm)	Pass/ Fail
Low	2402	-2.98	30	Pass
Middle	2441	-2.49	30	Pass
High	2480	-2.49	30	Pass

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

- 2. The worse case was recorded
- 3. The AV power was measured

Type of Modulation: JI/4DQPSK

EUT	Tablet PC		Model	M-TA7
Mode	Keep Transmitting		Input Voltage	DC5.0V
Temperature		24 deg. C,	Humidity	56% RH
Channel	Channel Frequency (MHz)	Max. Power Output (dBm) AV	Peak Power Limit (dBm)	Pass/ Fail
Low	2402	-2.79	30	Pass
Middle	2441	-2.29	30	Pass
High	2480	-2.29	30	Pass

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

- 2. The worse case was recorded
- 3. The AV power was measured

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Type of Modulation: 8DPSK

EUT		Tablet PC		M-TA7		
Mode	Ke	Keep Transmitting		Keep Transmitting		DC5.0V
Temperature	e	24 deg. C,		56% RH		
Channel	Channel Frequency	Max. Power Output (dBm)	Peak Power Limit	Pass/ Fail		
Chamier	(MHz)	AV	(dBm)			
Low	2402	-2.59	30	Pass		
Middle	2441	-2.29	30	Pass		
High	2480	-2.07	30	Pass		

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

- 2. The worse case was recorded
- 3. The AV power was measured

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9. Carrier Frequency Separation

9.1 Regulation

According to §15.247(a)(1), frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

9.2 Limits of Carrier Frequency Separation

The Maximum Power Spectral Density Measurement is 25kHz or two-thirds of the 20dB bandwidth of the hopping Channel which is great.

9.3 Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Set the spectrum analyzer as follows: Span = wide enough to capture the peaks of two adjacent channels: Resolution (or IF) Bandwidth (RBW) \geq 1% of the span; Video (or Average) Bandwidth (VBW) \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold
- 3. Measure the separation between the peaks of the adjacent channels using the marker-delta function.
- 4. Repeat above procedures until all frequencies measured were complete.

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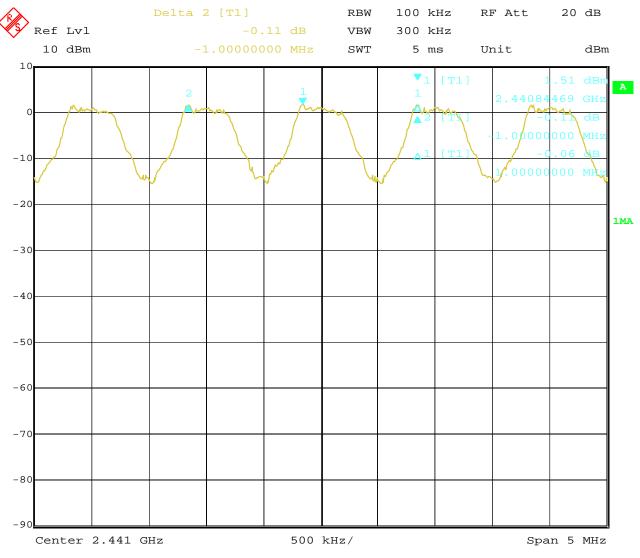


9.4Test Result

Type of Modulation: GFSK

EUT	Tablet PC N		Model		M-TA7
Mode	Hopping On I		Input Voltage	DC5.0V	
Temperature	24 deg. C,		Humidity		56% RH
Carrier I	Frequency Separation		Limit		Pass/ Fail
	1.000MHz	≥ 25 kHz or 2/3	of the 20 dB ban	dwidth	Pass

Test Plots



3.DEC.2022 Date: 10:24:04

The report refers only to the sample tested and does not apply to the bulk.

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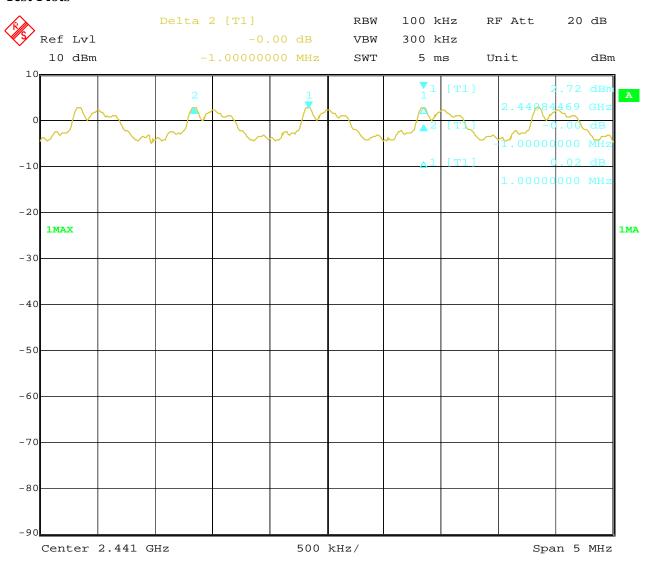
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Type of Modulation: $\sqrt{J/4DQPSK}$

EUT	Tablet PC N		Model		M-TA7
Mode	Hopping On Ir		Input Voltage	DC5.0V	
Temperature	24 deg. C,		Humidity		56% RH
Carrier I	Frequency Separation		Limit		Pass/ Fail
	1.000MHz	≥ 25 kHz or 2	/3 of 20 dB bandy	vidth	Pass

Test Plots



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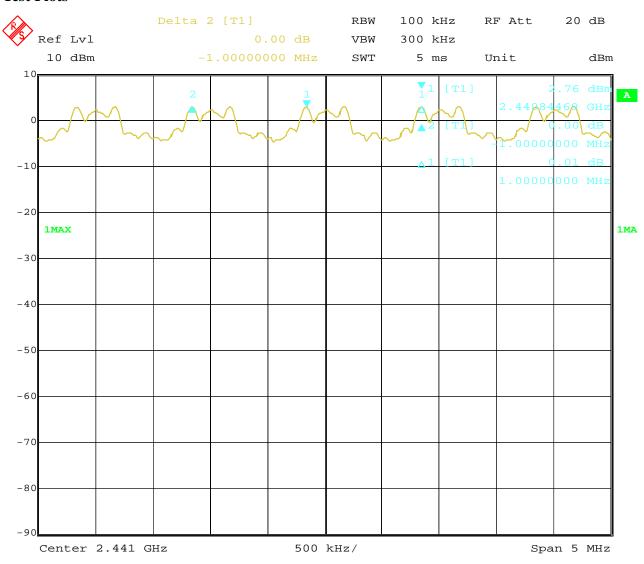
Date: 2022-12-09



Type of Modulation: 8DPSK

EUT	Tablet PC		Model		M-TA7
Mode	Hopping O	Hopping On			DC5.0V
Temperature	24 deg. C,		Humidity		56% RH
Carrier I	Frequency Separation		Limit		Pass/ Fail
	1.000MHz	≥ 25 kHz or 2	2/3 of 20 dB bandy	vidth	Pass

Test Plots



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10. Number of Hopping Channels

10.1 Regulation

According to §15.247(a)(1)(iii), frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used. According to §15.247(b)(1), for frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

10.2 Limits of Number of Hopping Channels

The frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

10.3 Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Set the spectrum analyzer as follows: Span = the frequency band of operation; RBW=100 kHz, VBW=300 kHz; Sweep = auto; Detector function = peak; Trace = max hold
- 3. Record the number of hopping channels.

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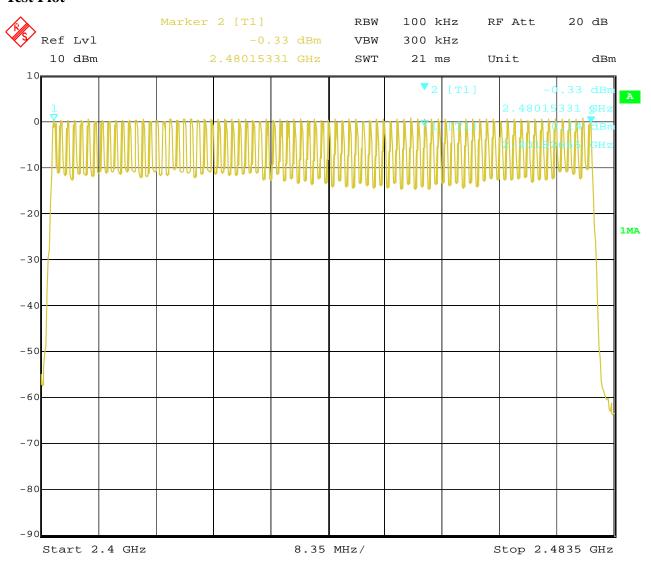


10.4Test Result

Type of Modulation: GFSK

EUT	ŗ	Гablet PC	Model		M-TA7
Mode	Hopping On		Input Voltage	DC5.0V	
Temperature	2	24 deg. C,	Humidity	56% RH	
Operating Free	Frequency Number of hopp		ping channels	Limit	Pass/ Fail
2402-2480MHz 79			≥ 15	Pass	

Test Plot



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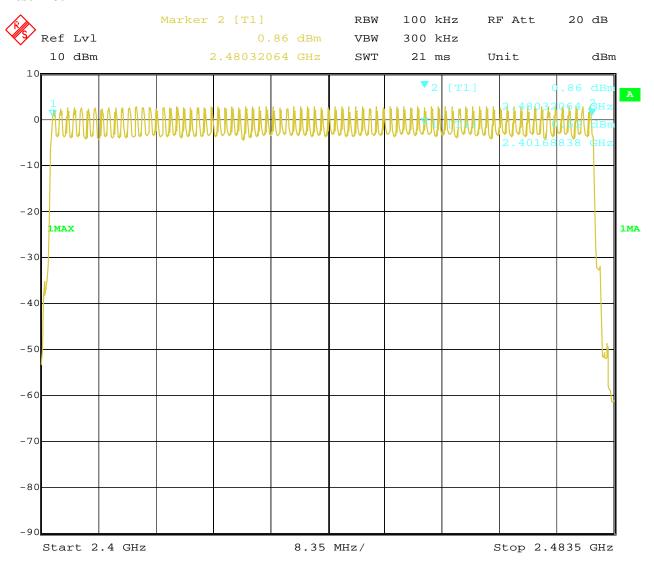
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Type of Modulation: $\sqrt{1/4}$ DQPSK

EUT	Tablet PC		Mode	Model		M-TA7
Mode	Hopping On		Input Volta			DC5.0V
Temperature		24 deg. C,		Humidity		56% RH
Operating Frequ	ency Number of hopping channels		g	Lir	nit	Pass/ Fail
2402-2480MHz		79		≥ 1	15	Pass

Test Plot



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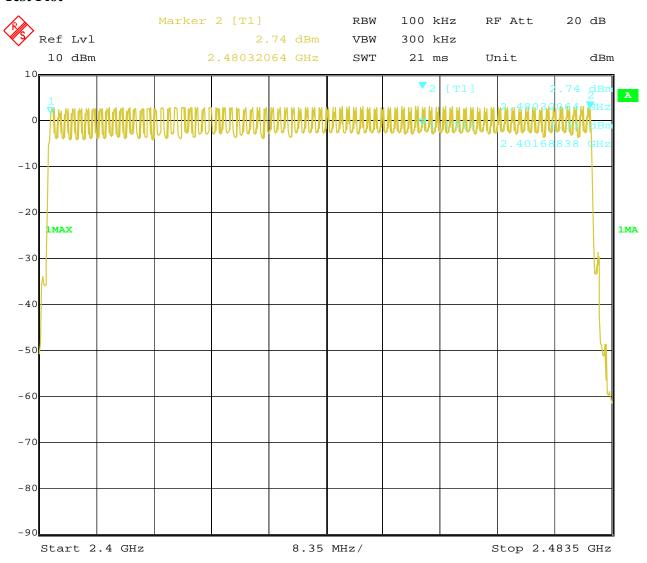
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Type of Modulation: 8DPSK

EUT	Tablet PC		Model			M-TA7
Mode	Hopping On		Input V	oltage		DC5.0V
Temperature	2	24 deg. C,	Humidi	ity		56% RH
Operating Frequency		Number of hopp channels	oing	Liı	mit	Pass/ Fail
2402-2480MHz		79		≥	15	Pass

Test Plot



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11. Time of Occupancy (Dwell Time)

11.1 Regulation

According to §15.247(a)(1)(iii), frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

11.2 Limits of Carrier Frequency Separation

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed

11.3 Test Procedure

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2. Set the spectrum analyzer as follows: Span = zero span, centered on a hopping channel; RBW = 1 MHz; VBW \geq RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold
- 3. Measure the dwell time using the marker-delta function.
- 4. Repeat above procedures until all frequencies measured were complete.
- 5. Repeat this test for different modes of operation (e.g., data rate, modulation format, etc.), if applicable.

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11.4 Test Result

Type of Modulation: GFSK

EUT		Tablet PC		1		M-TA7
Mode	Kee	Keep Transmitting		Input Voltage		DC5.0V
Temperatur	те	24 deg. C,		ty		56% RH
Channel	Reading	Hoping Rate	Actual		Actual	Limit
		DH5				
Middle	2.946ms	266.667 hop/s			0.315s	0.4s
		DH3				
Middle	1.683ms	400 hop/s	0.269s 0.4s		0.4s	
DH1						
Middle	0.441ms	800 hop/s			0.141s	0.4s

Actual = Reading \times (Hopping rate / Number of channels) \times Test period, Test period = 0.4 [seconds / channel] \times 79 [channel] = 31.6 [seconds] NOTE: The EUT makes worst case 1600 hops per second or 1 time slot has a length of 625 μ s with 79 channels.

A DH5 Packet needs 5 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 266.667 hops per second with 79 channels.

A DH3 Packet needs 3 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 400 hops per second with 79 channels.

A DH1 Packet needs 1 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 800 hops per second with 79 channels.

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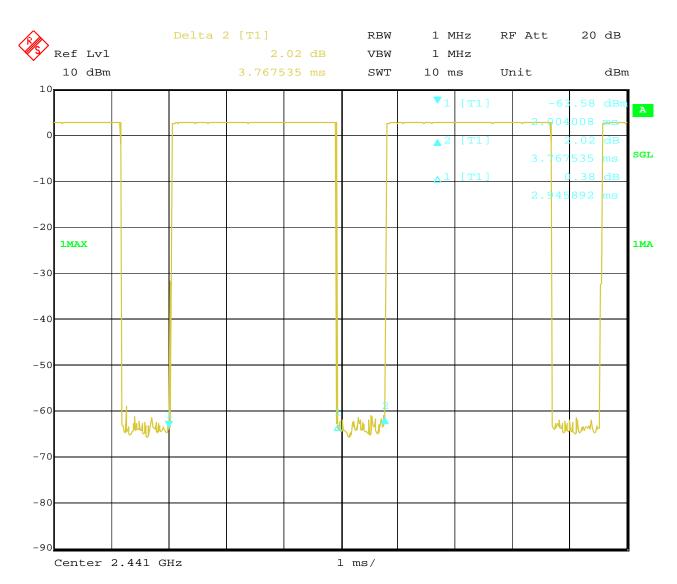
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Test Plots:

DH5

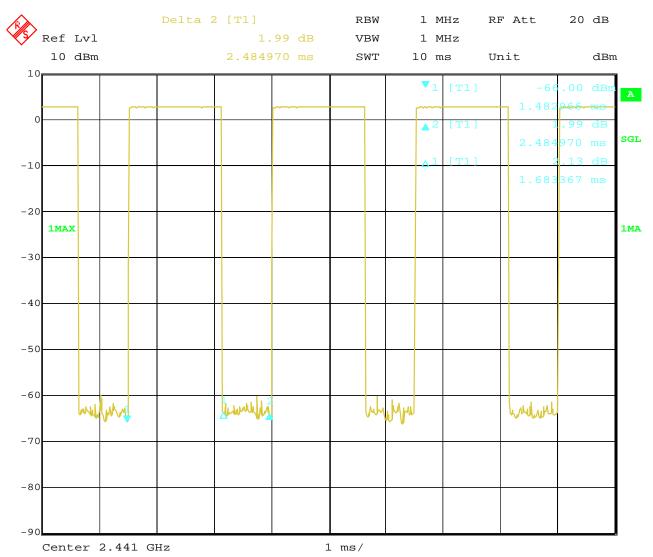


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DH3



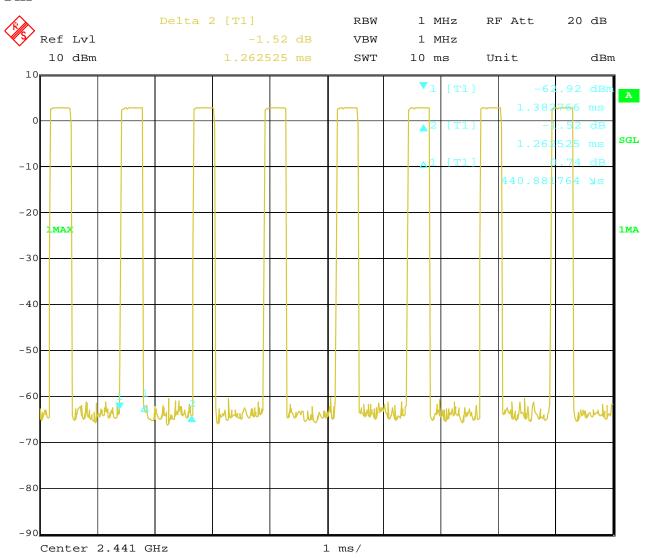
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DH1



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Test Result

Type of Modulation: $\sqrt{1/4}$ DQPSK

EUT		Tablet PC		el		M-TA7		
Mode	Kee	Keep Transmitting		Keep Transmitting		oltage		DC5.0V
Temperatur	re	24 deg. C,	Humi	dity		56% RH		
Channel	Reading	Hoping Rate	Actua		tual	Limit		
		2DH5						
Middle	2.966ms	266.667 hop/s		0.3	16s	0.4s		
		2DH3						
Middle	1.703ms	400 hop/s	0.27		72s	0.4s		
2DH1								
Middle	0.461ms	800 hop/s		0.1	48s	0.4s		

Actual = Reading \times (Hopping rate / Number of channels) \times Test period, Test period = 0.4 [seconds / channel] \times 79 [channel] = 31.6 [seconds] NOTE: The EUT makes worst case 1600 hops per second or 1 time slot has a length of 625 μ s with 79 channels.

A DH5 Packet needs 5 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 266.667 hops per second with 79 channels.

A DH3 Packet needs 3 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 400 hops per second with 79 channels.

A DH1 Packet needs 1 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 800 hops per second with 79 channels.

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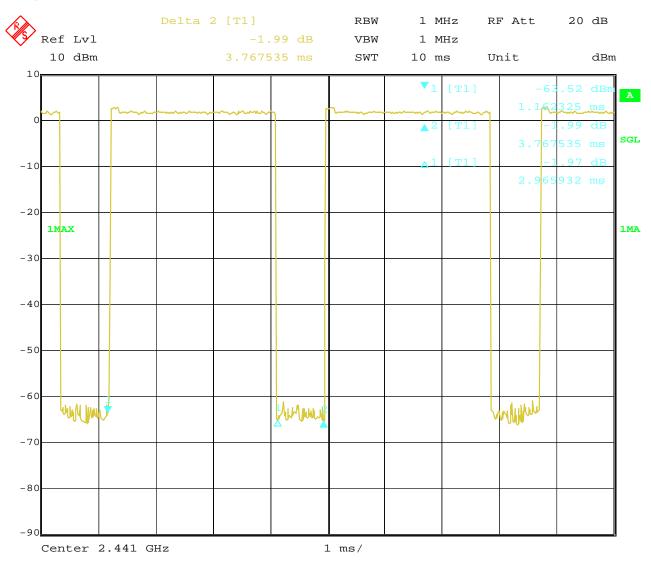
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Test Plots:

2DH5

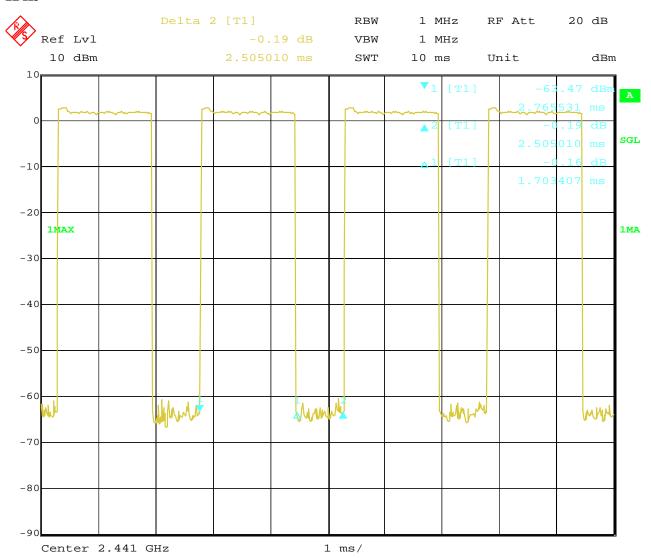


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2DH3



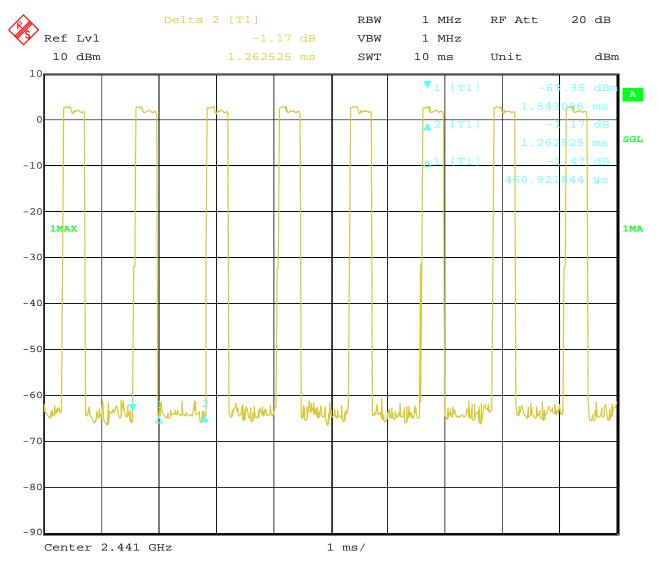
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2DH1



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Type of Modulation: 8DPSK

EUT		Tablet PC		del		M-TA7
Mode	Ke	Keep Transmitting		oltage		DC5.0V
Temperature	;	24 deg. C,	Hum	idity		56% RH
Channel	Reading	Hoping Rate	Act		tual	Limit
		3DH5				
Middle	2.966ms	266.667 hop/s		0.3	16s	0.4s
		3DH3				
Middle	1.743ms	400 hop/s	400 hop/s 0.27		79s	0.4s
3DH1						
Middle	0.461ms	800 hop/s		0.1	48s	0.4s

Actual = Reading \times (Hopping rate / Number of channels) \times Test period, Test period = 0.4 [seconds / channel] \times 79 [channel] = 31.6 [seconds] NOTE: The EUT makes worst case 1600 hops per second or 1 time slot has a length of 625 μ s with 79 channels.

A DH5 Packet needs 5 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 266.667 hops per second with 79 channels.

A DH3 Packet needs 3 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 400 hops per second with 79 channels.

A DH1 Packet needs 1 time slot for transmitting and 1 time slot for receiving. Then the EUT makes worst case 800 hops per second with 79 channels.

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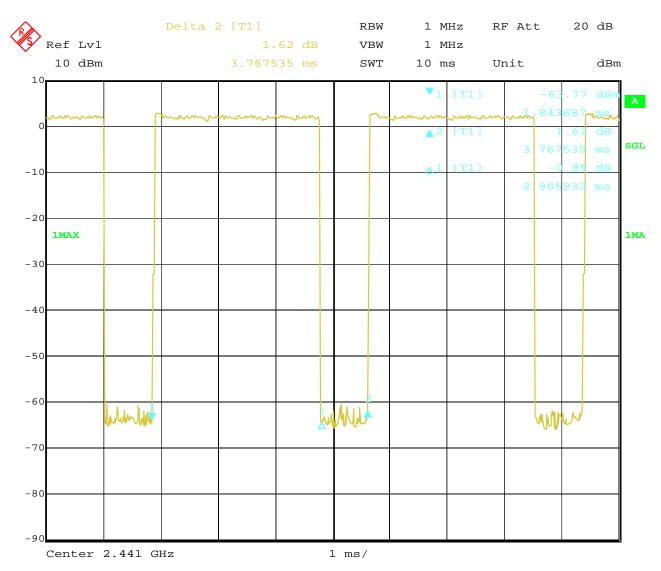
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Test Plots:

3DH5



Date: 5.DEC.2022 09:45:09

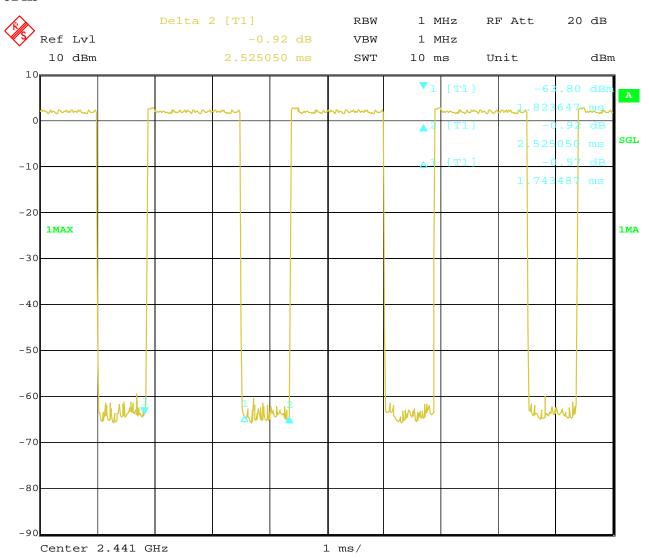
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3DH3



Date: 5.DEC.2022 09:44:19

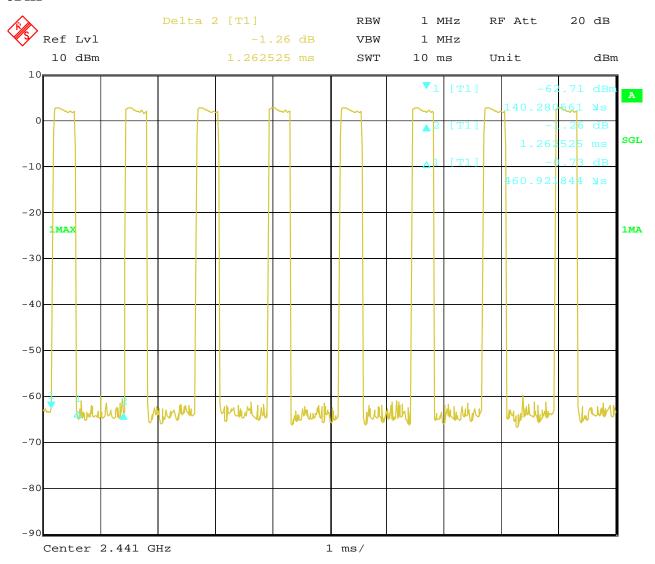
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3DH1



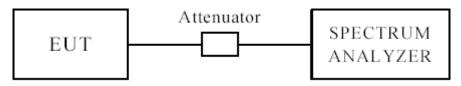
Date: 5.DEC.2022 09:43:18 Report No.: TW2211112-01E Page 60 of 87

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12 Out of Band Measurement

12.1 Test Setup



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

12.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

12.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test. Peak values with RBW=VBW=1MHz and PK detector.

For bandage test, the spectrum set as follows: RBW=100kHz, VBW=300 kHz. A conducted measurement used

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule.

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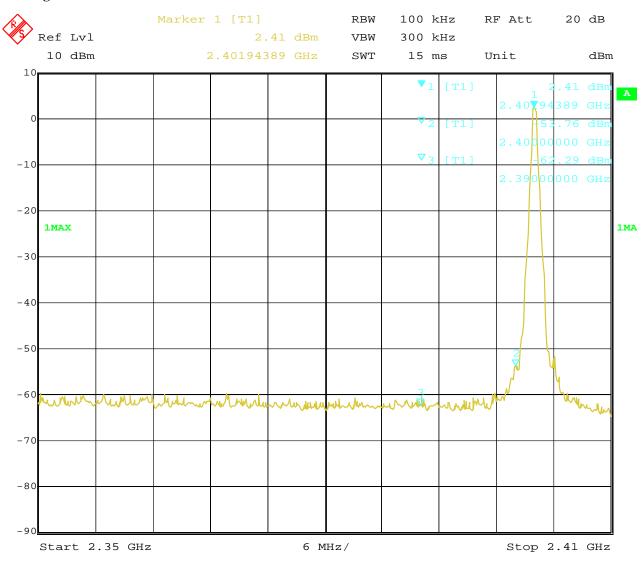


Type of Modulation: GFSK

Band Edge Test Result 12.4

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Keeping Transmitting	Input Voltage	DC5.0V
Temperature	24 deg. C	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



3.DEC.2022 Date: 14:31:11

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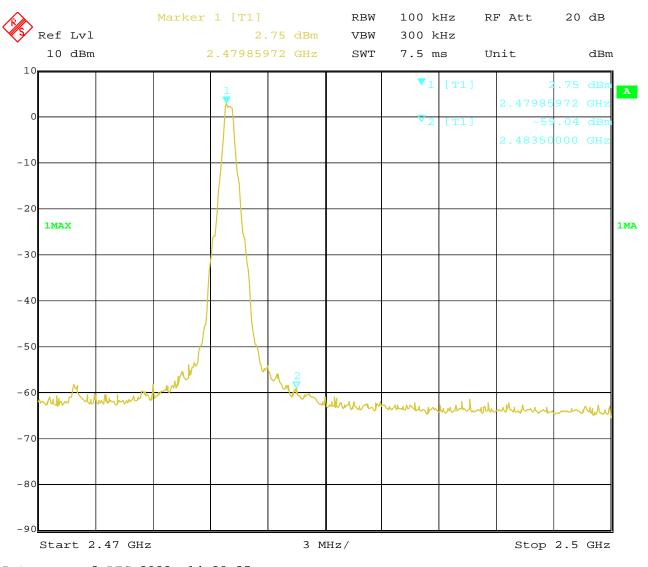


Type of Modulation: GFSK

12.4 Band Edge Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Keeping Transmitting	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



3.DEC.2022 Date: 14:28:35

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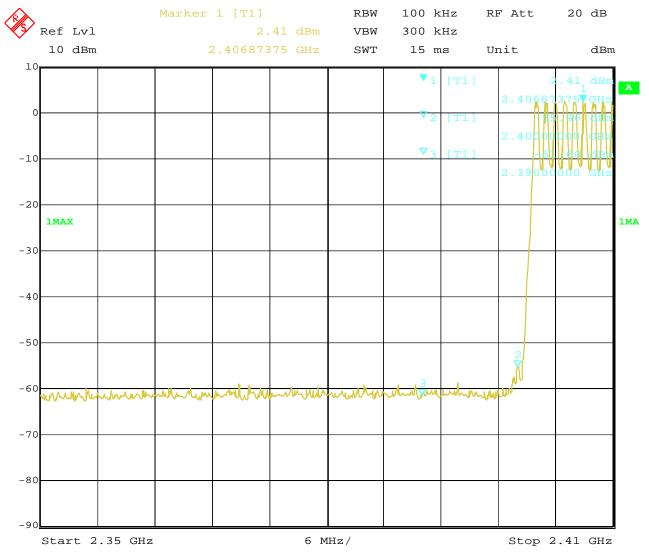


Type of Modulation: GFSK

Band Edge Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Hopping On	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



3.DEC.2022 Date: 14:13:12

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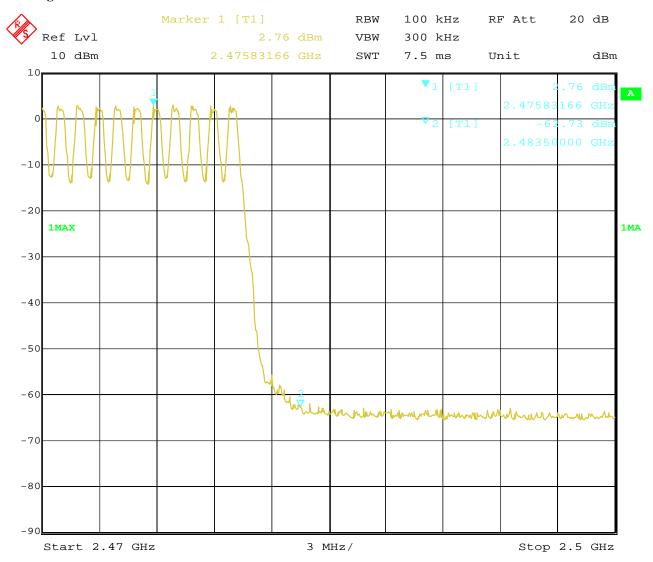


Type of Modulation: GFSK

Band Edge Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Hopping On	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



3.DEC.2022 14:20:37 Date:

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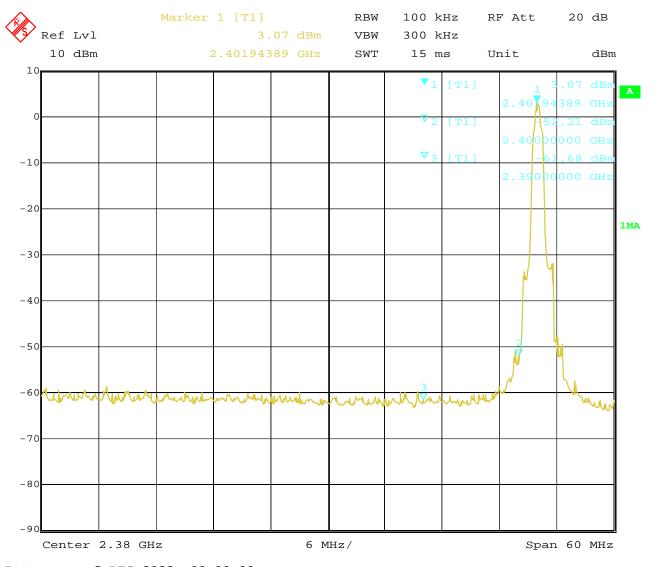


Type of Modulation: $\sqrt{1/4}$ DQPSK

12.4 Out of Band Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Keeping Transmitting	Input Voltage	DC5.0V
Temperature	24 deg. C	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 5.DEC.2022 08:09:00

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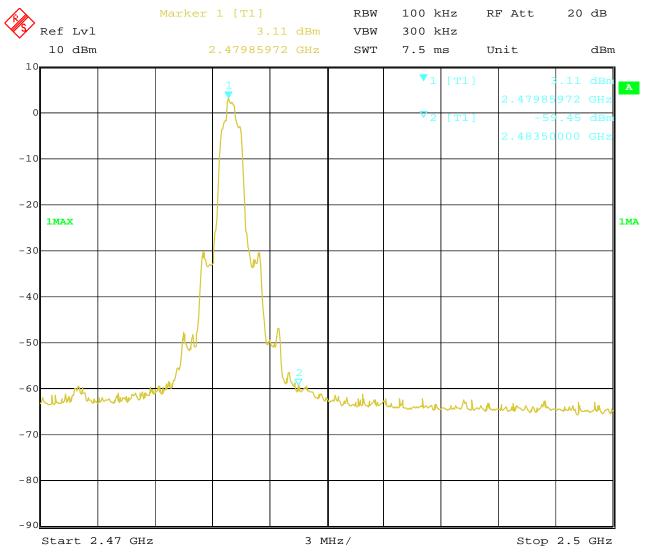


Type of Modulation: Л/4DQPSK

Band Edge Test Result 12.4

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Keeping Transmitting	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



5.DEC.2022 Date: 08:16:13

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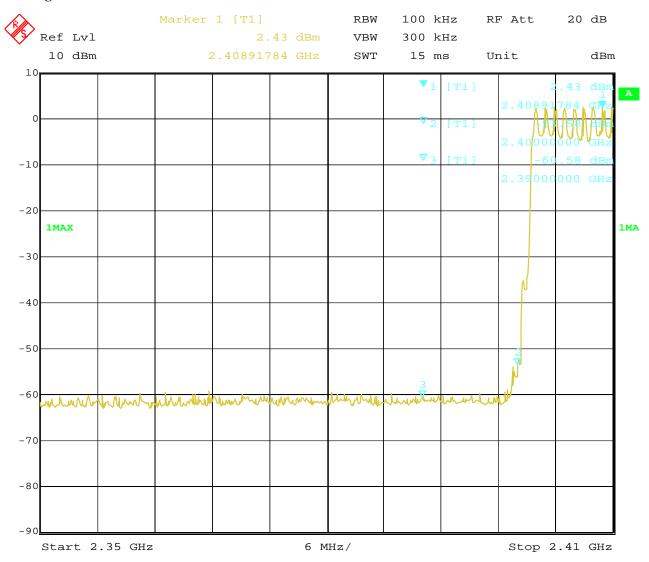


Type of Modulation: $\sqrt{1/4}$ DQPSK

12.4 Out of Band Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Hopping On	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 3.DEC.2022 14:07:57

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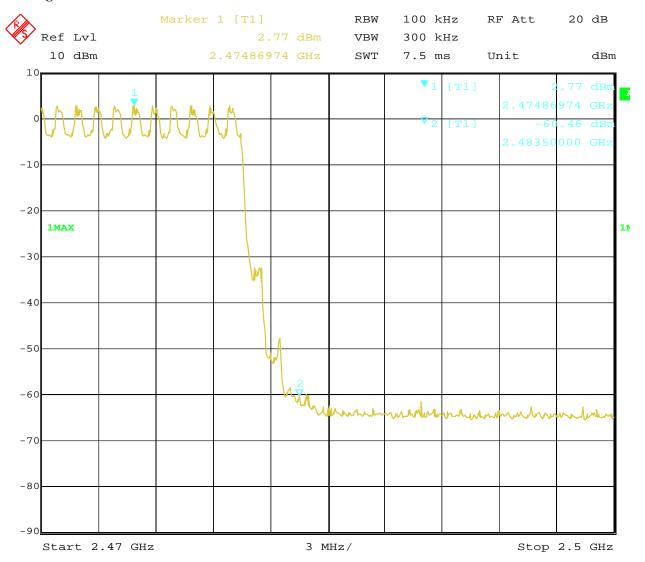


Type of Modulation: $\sqrt{1/4}$ DQPSK

Out of Band Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Hopping On	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



3.DEC.2022 13:58:16 Date:

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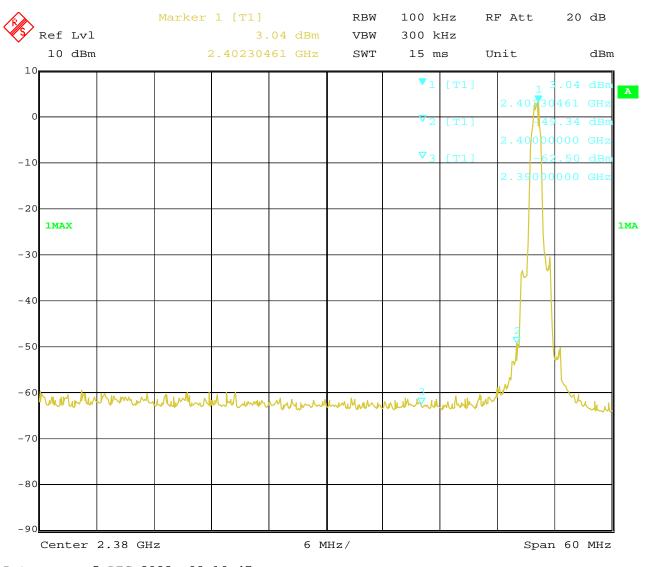


Type of Modulation: 8DPSK

12.4 Band Edge Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Keeping Transmitting	Input Voltage	DC5.0V
Temperature	24 deg. C	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



5.DEC.2022 Date: 08:10:47

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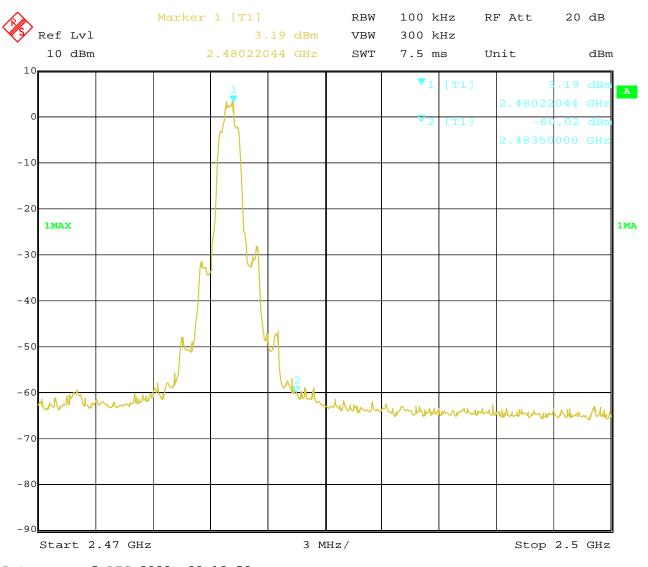


Type of Modulation: 8DPSK

Band Edge Test Result 12.4

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Keeping Transmitting	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



5.DEC.2022 Date: 08:12:52

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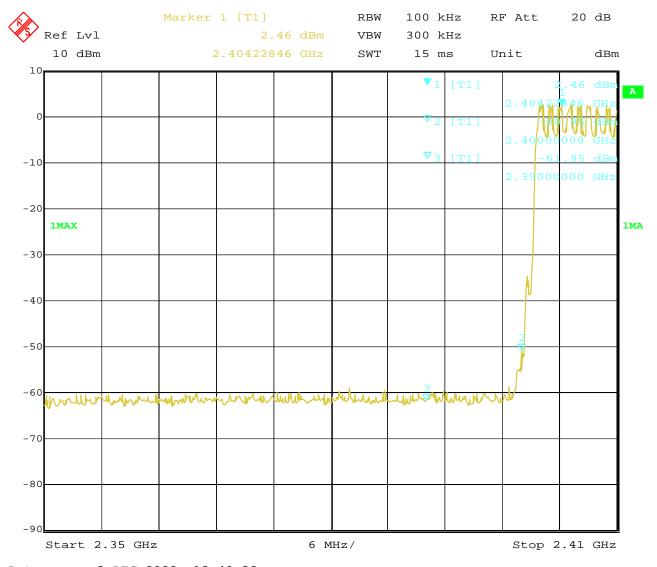


Type of Modulation: 8DPSK

12.4 Band Edge Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Hopping On	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 3.DEC.2022 13:40:32

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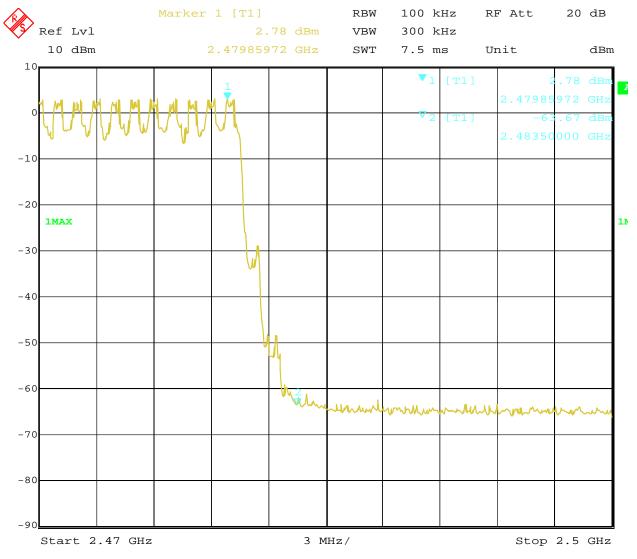


Type of Modulation: 8DPSK

Band Edge Test Result

Product:	Tablet PC	Test Mode:	M-TA7
Mode	Hopping On	Input Voltage	DC5.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



3.DEC.2022 Date: 13:45:26

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12.4 Restrict Band Measurement

	EUT		12016	et PC]	Model		M-T	Α/					
	Mode		Keep Tra	nsmitting		Inpu	ut Voltag	ge	DC5.	.0V					
Te	emperature	24 deg. C,				Humidity			56%	RH					
Test Result:		Pass				Modulation Type			8DPSK						
CC Part	15C Class B 1GHz-18GHz +2-	: -2													
									M1						
	90-							1							
	80-							/							
	70-														
	60-							M4							
								M2							
Œ/	50-			To the	. 100	M3			W						
À				الليانة الراز	i Maria da La Barria da La Barria da Maria da M	M3 White the state of the stat									
vel (dbuv/	40 -	والمستعدد المستعدد ال	والمعاولة فالمناول والمارون	والباطرة الاستطاف التصبيان بطاف	i kiriba fa kakara da fakara da kakara ka	er terebilde betreet in general	ويعلله أوالمالية		· ·						
<u> </u>	40-	at devote a spirite a survey state last stime de la principies	العالمة المعالمة المع	والمطارة والمتعادل أما والمعادلة المتعادد	igithelik gilirin edil filologisk gjerne	AN APPROPRIATE REAL PROPRIATE		AND THE STREET		A A A SA S					
	30-	adapan dan sepakan sengah bagi permedapan dan pencebahan	العالمة المعالمة المع	nita proportion de la constitución	antophilipina of philippina	ed address de de de la gradi	Name of the last o								
	and the secretary of the secretary of the second of the se	o kaku da wojaka wa perfenji ji ina da pojecaja je	عمقهارستان بدار مدر المباركة والاحوا	والمطالح المتعادم والمتعادم والمتعاد	iarthofologistics of filter, job given	^{ad} dd ^a fryddioddiod ^g ed	ha wa a gala da			***					
	30-	otakinda urjahkan unjerkajijika dispakker	nagularisani-asapri, a idal Pisailari	والمعالم الموسور والمساور بالمارة		and he had been produced to the second	Named Add Add Add Add Add Add Add Add Add A								
	and the secretary of the secretary of the second of the se	isharah usiyahin unundekayi iinuday aheebiir	naspilens _{ke} nd-usketu, er <mark>hele</mark> t (fileta)			and address of the second	his and gold all all all and a			2410					
(20 - 10 - 2350			F	requency (MHz)		hi and gold all all an a			1					
	30- 20- 10- 2350 Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	z410 Verdict					
(20 - 10 - 2350			F	requency (MHz)	Detector	Table (o)	Height (cm)	ANT	1					
(30- 20- 10- 2350 Frequency	Results	Factor	Limit	Over Limit	Detector		_	ANT Horizontal	1					
No.	20- 10- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)		(o)	(cm)		Verdict					
No.	30- 20- 10- 2350 Frequency (MHz) 2401.917	Results (dBuV/m) 92.20	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Over Limit (dB)	Peak	(o) 58.00	(cm)	Horizontal	Verdict					
No. 1 2	Frequency (MHz) 2400.000	Results (dBuV/m) 92.20 66.10	Factor (dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0	Over Limit (dB) 18.20 -7.90	Peak Peak	(o) 58.00 78.00	(cm) 100 100	Horizontal Horizontal	Verdict N/A Pass					

Note: The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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12.4 Restrict Band Measurement

	EUT		Tab	let PC			Model		M-T	A 7
	Mode		Keep Tra	ansmitting		Inp	ıt Voltage	e	DC5	.0V
Temperature		24 deg. C,			Humidity			56% RH		
Test Result:		Pass			Modu	Modulation Type		8DPSK		
1.0E+ 9 8 7	10-					,,,	М4 13) Дин 1. гадин та	MS M2	M1	
3	0-	and of the state of	والمجاه وطيفه والمتار والمتار والمتار والمتار والمتار والمتار	te parametrikan dalam	itisaahekisterikerikerikerikeri	Dadish di Panga da P				Mark date
3 2 1	0-	ndi, inida undukuluda da karin	alkahusus di Mariada pirinta a ladiki	No zvine sie kilom eight dem albird	Frequency (MHz)					2.
3 2 1 0.	0	Results	Factor	Limit		Detector	Table	Height	ANT	
3 2 1 0.	0-				Frequency (MHz)		Table (o)	Height (cm)	ANT	
3 2 1 0.	2350 Frequency	Results	Factor	Limit	Frequency (MHz) Over Limit				ANT Vertical	
3 2 1 1 0.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	(o)	(cm)		Verdic
3 2 1 0.	Frequency (MHz) 2401.587	Results (dBuV/m) 86.49	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 12.49	Detector Peak	(o) 179.00	(cm) 100	Vertical	Verdic
3 2 1 0.	Frequency (MHz) 2401.587 2400.000	Results (dBuV/m) 86.49 61.95	Factor (dB) -3.57	Limit (dBuV/m) 74.0 74.0	Frequency (MHz) Over Limit (dB) 12.49 -12.05	Detector Peak Peak	(o) 179.00 194.00	(cm) 100 100	Vertical Vertical	Verdic N/A Pass
3 2 1	Frequency (MHz) 2401.587 2400.000 2400.000	Results (dBuV/m) 86.49 61.95 47.18	Factor (dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	Frequency (MHz) Over Limit (dB) 12.49 -12.05 -6.82	Detector Peak Peak AV	(o) 179.00 194.00 194.00	(cm) 100 100 100	Vertical Vertical Vertical	Pass Pass

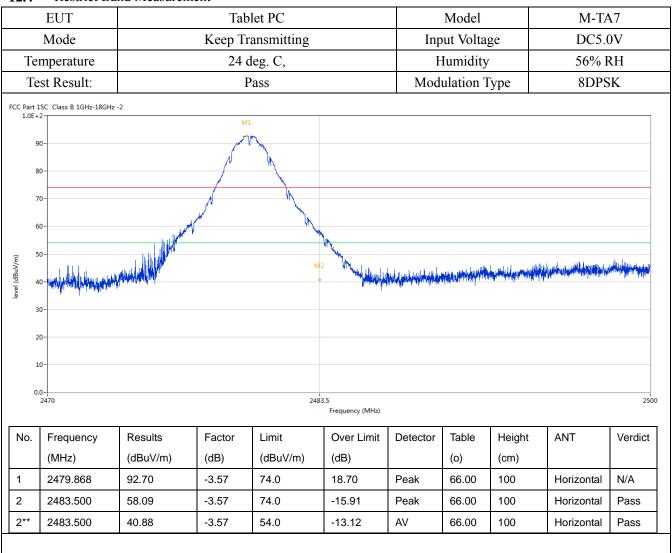
Note: The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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12.4 Restrict Band Measurement



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12.4 Restrict Band Measurement

	EUT		Tabl	let PC			Model		M-T	A7
	Mode Keep Transmitting				Inp		ut Voltag	e	DC5	0V
Te	mperature	nperature 24 deg. C,				Humidity			56% RH	
Те	est Result:		P	ass		Modu	ılation Ty	/pe	8DP	SK
Part 1	.5C Class B 1GHz-18GHz	-2								
9	0-		M1							
8			Mr. mark	M.						
8	0-									
7	0-		\nearrow							
			<i>.</i>)	<u></u>						
6	0-	الجبير	~	M ₂ M ₂						
	0-	المستمولين المال	,	M2						
	0-			M ₂ M ₂	المراجع المناطقين المناطقي	الدواهد والمستوالية	and the state of t	المرافق والمرافق والم		in the state of th
5	o-	مسرمهم فيطل الملااللة ووجا		h _M M2		Later the special participation of the	angkapang balkasari na balka	projection projek jabila trapposite, pl	and the state of t	in the later of th
5	o-	مسمومه والماللة المالية والمالية	,	Ja _M 2		land apply part and all references	der transport	anipological desirability desirab		Marchine by
5	o- - unique de la descripción de la decembra de la			No.M2	territoria de la constitución de	الدينة الدينة والمرافق والمرافقة والمرافقة والمرافقة والمرافقة والمرافقة والمرافقة والمرافقة والمرافقة والمرافقة	and and discourse lade	ng pangkan pangkan panggan pan	a a thairt ann an Aire an	ida dikada
5 4 3				No.M2	Committee and a supplemental state of the su	hand anyth part and ladind offer	and substantial substantial substantial substantial substantial substantial substantial substantial substantia	ng dinakan dinak	andhishina daya ahkada	the course of
5 4 3 2				Avan		hintengispastanilaitista(eta	antisont discourse latin	ng day	andersking vije og de skle	
5 4 3 2				2483.5	quency (MHz)	haid ayyib qaad qaal jadii isbada qa	and help the second and a	ng ding ding ding ding ding ding ding di		2500
5 4 3 2 1		Results	Factor	2483.5		Detector	Table	Height	ANT	
5 4 3 2 1	0-		Factor (dB)	2483.5 Fre	quency (MHz)					2500
5 4 3 2	o- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0-	Results		2483.5 Fre	quency (MHz) Over Limit		Table	Height		2500

Note: 1. For Restricted band test, only the worst case was reported and 8DPSK was the worst case

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13.0 Antenna Requirement

13.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

13.2 Antenna Connected constructions

FPC antenna with gain 3.03dBi Max (Get from the antenna specification)

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14.0 FCC ID Label

FCC ID: 2A9CI-M-TA7

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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15.0 Photo of testing

Conducted Emission Test Setup:



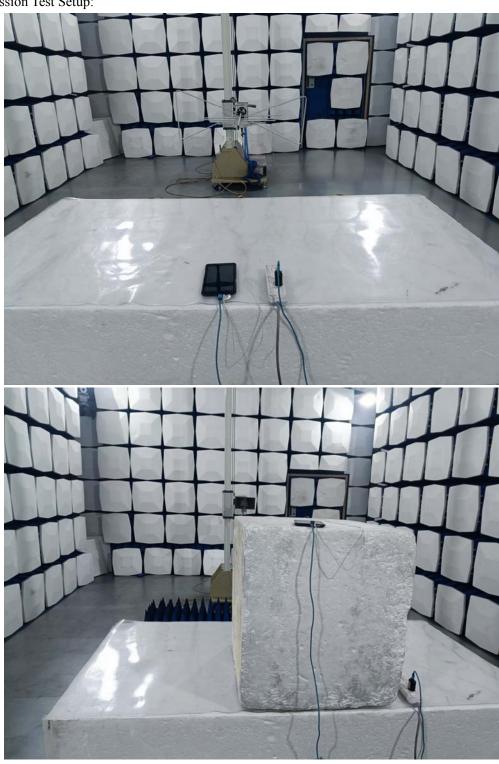
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Radiated Emission Test Setup:



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Outside View



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Outside View





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Outside View



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Inside view



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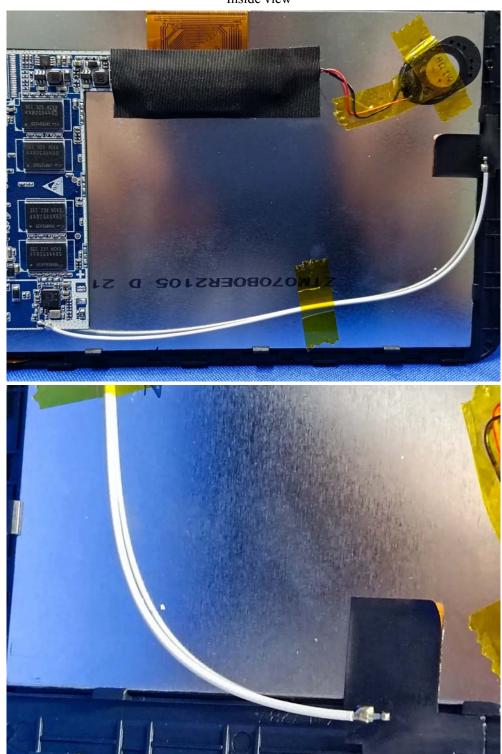
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Inside view



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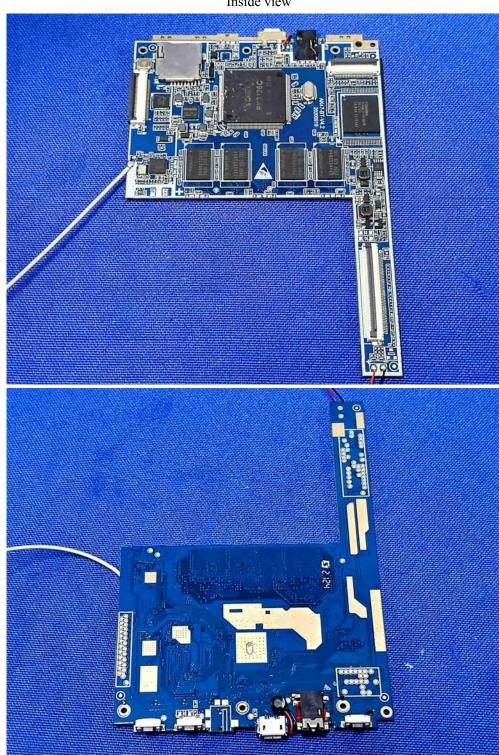
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Report No.: TW2211112-01E

Date: 2022-12-09



Inside view



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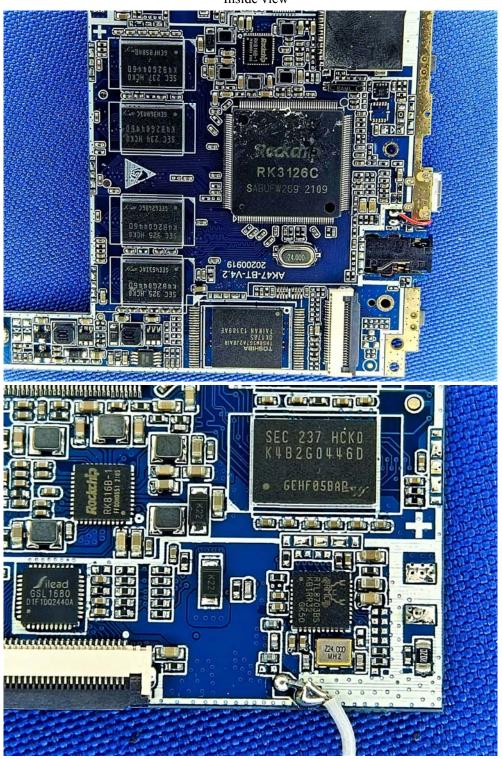
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Inside view



End of Report

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