TEST REPORT



Dt&C Co., Ltd.

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1. Report No: DRTFCC2308-0122

2. Customer

• Name (FCC): LG Electronics USA, Inc. / Name (IC): LG ELECTRONICS INC.

Address (FCC): 111 Sylvan Avenue North Building Englewood Cliffs New Jersey United States 07632
 Address (IC): 222, LG-ro, Jinwi-myeon Pyeongtaek-si, Gyeonggi-do 451-713 Korea (Republic Of)

3. Use of Report: FCC & IC Certification

4. Product Name / Model Name : Telematics(24CY DCM 5G) / TF24IENE

FCC ID : BEJTF24IENE IC : 2703H-TF24IENE

5. FCC Regulation(s): Part 15.407

IC Standard(s): RSS-247 Issue 2, RSS-Gen Issue 5

Test Method used: KDB789033 D02v02r01, ANSI C63.10-2013

6. Date of Test: 2023.04.13 ~ 2023.06.01

7. Location of Test: Permanent Testing Lab On Site Testing

8. Testing Environment: See appended test report.

9. Test Result: Refer to the attached test result.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test report is not related to KOLAS accreditation.

Affirmation Name : JaeHyeok Bang Name : JaeJin Lee

2023.08.24.

Dt&C Co., Ltd.

If this report is required to confirmation of authenticity, please contact to report@dtnc.net



FCC ID: **BEJTF24IENE**

IC: 2703H-TF24IENE

Test Report Version

Test Report No.	Date	Description	Revised by	Reviewed by
DRTFCC2308-0122	Aug. 24, 2023	Initial issue	JaeHyeok Bang	JaeJin Lee



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1. General Information

1.1. Description of EUT

Equipment Class	Unlicensed National Information Infrastructure Tx (NII)
Product Name	Telematics(24CY DCM 5G)
Model Name	TF24IENE
Add Model Name	-
Product Marketing Name (PMN)	TF24IENE
Firmware Version Identification Number	06a
EUT Serial Number	No Specified
Power Supply	DC 12 V
Modulation Technique	OFDM
Antenna Specification	Antenna Type: PIFA Antenna U-NII 1: -0.50 dBi U-NII 2A: 0.50 dBi U-NII 2C: 0.40 dBi U-NII 3: 0.40 dBi

Band	Mode	Tx. frequency(MHz)	Max. conducted power(dBm)	Antenna gain(dBi)	Max. e.i.r.p (dBm)
	802.11a	5 180 ~ 5 240	12.15	-0.50	11.65
	802.11n(HT20)	5 180 ~ 5 240	11.91	-0.50	11.41
U-NII 1	802.11ac(VHT20)	5 180 ~ 5 240	11.96	-0.50	11.46
O-INII I	802.11n(HT40)	5 190 ~ 5 230	7.72	-0.50	7.22
	802.11ac(VHT40)	5 190 ~ 5 230	7.73	-0.50	7.23
	802.11ac(VHT80)	5 210	6.68	-0.50	6.18
	802.11a	5 260 ~ 5 320	11.88	0.50	12.38
	802.11n(HT20)	5 260 ~ 5 320	11.96	0.50	12.46
U-NII 2A	802.11ac(VHT20)	5 260 ~ 5 320	11.62	0.50	12.12
U-INII ZA	802.11n(HT40)	5 270 ~ 5 310	10.29	0.50	10.79
	802.11ac(VHT40)	5 270 ~ 5 310	10.30	0.50	10.80
	802.11ac(VHT80)	5 290	8.86	0.50	9.36
	802.11a	5 500 ~ 5 720	12.24	0.40	12.64
	802.11n(HT20)	5 500 ~ 5 720	12.04	0.40	12.44
U-NII 2C	802.11ac(VHT20)	5 500 ~ 5 720	11.86	0.40	12.26
U-INII 2C	802.11n(HT40)	5 510 ~ 5 710	10.57	0.40	10.97
	802.11ac(VHT40)	5 510 ~ 5 710	10.57	0.40	10.97
	802.11ac(VHT80)	5 530 ~ 5 690	10.68	0.40	11.08
	802.11a	5 745 ~ 5 825	12.05	0.40	12.45
	802.11n(HT20)	5 745 ~ 5 825	12.34	0.40	12.74
U-NII 3	802.11ac(VHT20)	5 745 ~ 5 825	12.19	0.40	12.59
0-1411 3	802.11n(HT40)	5 755 ~ 5 795	12.20	0.40	12.60
	802.11ac(VHT40)	5 755 ~ 5 795	12.16	0.40	12.56
	802.11ac(VHT80)	5 775	10.63	0.40	11.03



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1.2. Declaration by the applicant / manufacturer

N/A

1.3. Testing Laboratory

Dt&C Co., Ltd.

The 3 m test site and conducted measurement facility used to collect the radiated data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042.

The test site complies with the requirements of Part 2.948 according to ANSI C63.4-2014.

- FCC & IC MRA Designation No.: KR0034

- ISED#: 5740A

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1.4. Testing Environment

Ambient Condition		
Temperature	+20 °C ~ +25 °C	
 Relative Humidity 	+35 % ~ +45 %	

1.5. Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with requirements of ANSI C63.4-2014 and ANSI C63.10-2013. All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95 % level of confidence.

Parameter	Measurement uncertainty
Antenna-port conducted emission	1.1 dB (The confidence level is about 95 %, k = 2)
Radiated emission (1 GHz Below)	4.8 dB (The confidence level is about 95 %, k = 2)
Radiated emission (1 GHz ~ 18 GHz)	5.0 dB (The confidence level is about 95 %, k = 2)
Radiated emission (18 GHz Above)	5.2 dB (The confidence level is about 95 %, k = 2)



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1.6. Test Equipment List

Туре	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
Spectrum Analyzer	Agilent Technologies	N9020A	22/06/24	23/06/24	MY46471622
Spectrum Analyzer	Agilent Technologies	N9020A	22/12/16	23/12/16	MY48010133
Spectrum Analyzer	Agilent Technologies	N9020A	22/12/16	23/12/16	MY48011700
Spectrum Analyzer	Agilent Technologies	N9020A	22/06/24	23/06/24	US47360812
Spectrum Analyzer	KEYSIGHT	N9030B	22/12/16	23/12/16	MY55480168
DC Power Supply	Agilent Technologies	66332A	22/06/24	23/06/24	US37473627
Multimeter	FLUKE	17B+	22/12/16	23/12/16	36390701WS
Signal Generator	Rohde Schwarz	SMBV100A	22/12/16	23/12/16	255571
Signal Generator	ANRITSU	MG3695C	22/12/16	23/12/16	173501
Thermohygrometer	BODYCOM	BJ5478	22/12/16	23/12/16	120612-1
Thermohygrometer	BODYCOM	BJ5478	22/12/16	23/12/16	120612-2
Thermohygrometer	BODYCOM	BJ5478	22/06/24	23/06/24	N/A
Loop Antenna	ETS-Lindgren	6502	22/04/22	24/04/22	00203480
Hybrid Antenna	Schwarzbeck	VULB 9160	22/12/16	23/12/16	3362
Horn Antenna	ETS-Lindgren	3117	22/06/24	23/06/24	00143278
Horn Antenna	A.H.Systems Inc.	SAS-574	22/06/24	23/06/24	155
PreAmplifier	tsj	MLA-0118-B01-40	22/12/16	23/12/16	1852267
PreAmplifier	tsj	MLA-1840-J02-45	22/06/24	23/06/24	16966-10728
PreAmplifier	H.P	8447D	22/12/16	23/12/16	2944A07774
High Pass Filter	Wainwright Instruments	WHKX12-935-1000- 15000-40SS	22/06/24	23/06/24	8
High Pass Filter	Wainwright Instruments	WHKX10-2838-3300- 18000-60SS	22/06/24	23/06/24	1
High Pass Filter	Wainwright Instruments	WHNX8.0/26.5-6SS	22/06/24	23/06/24	3
Attenuator	Hefei Shunze	SS5T2.92-10-40	22/06/24	23/06/24	16012202
Attenuator	Aeroflex/Weinschel	56-3	22/06/24	23/06/24	Y2370
Attenuator	SMAJK	SMAJK-2-3	22/06/24	23/06/24	3
Attenuator	SMAJK	SMAJK-2-3	22/06/24	23/06/24	2
Attenuator	Aeroflex/Weinschel	86-10-11	22/06/24	23/06/24	408
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2496A MA2411B	22/12/16	23/12/16	1338004 1911481
EMI Test Receiver	ROHDE&SCHWARZ	ESCI7	23/01/31	24/01/31	100910
PULSE LIMITER	Rohde Schwarz	ESH3-Z2	22/08/22	23/08/22	101333
LISN	SCHWARZBECK	NSLK 8128 RC	22/10/26	23/10/26	8128 RC-387
Thermo Hygro Meter	TESTO	608-H1	23/01/13	24/01/13	45084791
Cable	Dt&C	Cable	23/01/04	24/01/04	G-2
Cable	HUBER+SUHNER	SUCOFLEX 100	23/01/04	24/01/04	G-3
Cable	Dt&C	Cable	23/01/04	24/01/04	G-4
Cable	OMT	YSS21S	23/01/04	24/01/04	G-5
Cable	Junkosha	MWX241	23/01/03	24/01/03	mmW-1
Cable	Junkosha	MWX241	23/01/03	24/01/03	mmW-4
Cable	HUBER+SUHNER	SUCOFLEX100	23/01/04	24/01/04	M-01
Cable	HUBER+SUHNER	SUCOFLEX100	23/01/04	24/01/04	M-02
Cable	JUNKOSHA	MWX241/B	23/01/04	24/01/04	M-03
Cable	JUNKOSHA	J12J101757-00	23/01/04	24/01/04	M-07
Cable	HUBER+SUHNER	SUCOFLEX106	23/01/04	24/01/04	M-09
Cable	RADIALL	TESTPRO 3	23/01/04	24/01/04	RFC-44
Test Software	tsj	Radiated Emission Measurement	NA	NA	Version 2.00.0147
Test Software	tsj	Noise Terminal Measurement	NA	NA	Version 2.00.0185

Note1: The measurement antennas were calibrated in accordance to the requirements of ANSI C63.5-2017.

Note2: The cable is not a regular calibration item, so it has been calibrated by Dt&C itself.

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2. Test Methodology

The measurement procedures described in the ANSI C63.10-2013 and the guidance provided in KDB789033 D02v02r01 were used in measurement of the EUT.

The EUT was tested per the guidance of KDB789033 D02v02r01. And ANSI C63.10-2013 was used to reference appropriate EUT setup and maximizing procedures of radiated spurious emission and AC line conducted emission testing.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the test mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

2.3. General Test Procedures

Conducted Emissions

The power-line conducted emission test procedure is not described on the KDB789033 D02v02r01.

So this test was fulfilled with the requirements in Section 6.2 of ANSI C63.10-2013.

The EUT is placed on the wooden table, which is 0.8 m above ground plane and the conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and Average detector.

Radiated Emissions

Basically the radiated tests were performed with KDB789033 D02v02r01. But some requirements and procedures like test site requirements, EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10-2013 as stated on KDB789033 D02v02r01.

The EUT is placed on a non-conductive table, which is 0.8 m above ground plane. For emission measurements above 1 GHz, the table height is 1.5 m. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 1 m or 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the highest emission, the relative positions of the EUT were rotated through three orthogonal axis.

2.4. Instrument Calibration

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

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2.5. Description of Test Modes

The EUT has been tested with the operating condition for maximizing the emission characteristics. A test program is used to control the EUT for staying in continuous transmitting.

Transmitting Configuration of EUT

Mode	Data rate
802.11a	6 Mbps ~ 54 Mbps
802.11n(HT20)	MCS 0 ~ 7
802.11ac(VHT20)	MCS 0 ~ 8
802.11n(HT40)	MCS 0 ~ 7
802.11ac(VHT40)	MCS 0 ~ 9
802.11ac(VHT80)	MCS 0 ~ 9

EUT Operation test setup

- Test Software: adb Command

- Power setting: Refer to the table Below

Tested frequency and power setting

Band			802.11a	
	Channel	Frequency	Power	Setting
	Channel	(MHz)	6 ~ 24 Mbps	36 ~ 54 Mbps
	36	5 180	G6	G6
U-NII 1	40	5 200	G8	G7
	48	5 240	G6	G6
U-NII 2A	52	5 260	G8	G7
	60	5 300	G8	G7
	64	5 320	G8	G7
	100	5 500	G7	G7
U-NII 2C	116	5 580	G8	G8
	144	5 720	G8	G7
U-NII 3	149	5 745	G7	G7
	157	5 785	G8	G7
	165	5 825	G8	G7

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Band	802.11n(HT20) / 802.11ac(VHT20)				
	Channel	Frequency		Power Setting	
	Chamilei	(MHz)	MCS 0 ~ 6	MCS 7	MCS 8
	36	5 180	G5	G5	G5
U-NII 1	40	5 200	G8	G7	G6
	48	5 240	G5	G5	G5
	52	5 260	G8	G7	G6
U-NII 2A	60	5 300	G8	G7	G6
	64	5 320	G8	G7	G6
	100	5 500	G8	G8	G8
U-NII 2C	116	5 580	G8	G7	G7
	144	5 720	G8	G7	G6
U-NII 3	149	5 745	G8	G7	G6
	157	5 785	G8	G7	G6
	165	5 825	G8	G7	G7

	802.11n(HT40) / 802.11ac(VHT40)					
Band	Channel	Channel Frequency		Power Setting		
	Chamilei	(MHz)	MCS 0	MCS 1 ~ 7	MCS 8 ~ 9	
U-NII 1	38	5 190	G5	G5	G5	
	46	5 230	G5	G5	G5	
U-NII 2A	54	5 270	G7	G7	G5	
	62	5 310	G7	G7	G5	
	102	5 510	G7	G7	G7	
U-NII 2C	110	5 550	G7	G7	G7	
	142	5 710	G7	G7	G5	
LI NIII 2	151	5 755	G8	G7	G5	
U-NII 3	159	5 795	G8	G7	G5	

Band	802.11ac(VHT80)					
	Channel	Frequency	Power Setting			
	Chamie	(MHz)	MCS 0	MCS 1 ~ 6	MCS 7 ~ 8	MCS 9
U-NII 1	42	5 210	5	4	4	4
U-NII 2A	58	5 290	G6	G6	G6	G5
U-NII 2C	106	5 530	G6	G6	G6	G6
	138	5 690	G7	G7	G6	G5
U-NII 3	155	5 775	G7	G7	G6	G5

Tested Mode

Test mode	Mode	Worst case data rate
TM 1	802.11a	6 Mbps
TM 2	802.11n(HT20)	MCS 0
TM 3	802.11n(HT40)	MCS 0
TM 4	802.11ac(VHT80)	MCS 0

Note1: The worst case data rate was determined according to the power measurements.



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3. Antenna Requirements

According to Part 15.203

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 shall be considered sufficient to comply with the provisions of this section."

The antenna uses a unique connector. Therefore this E.U.T complies with the requirement of Part 15.203

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4. Summary of Test Result

FCC Part Section(s)	RSS Section(s)	Test Description	Limit	Test Condition	Status Note 1
15.407(a)	RSS-247[6.2]	Emission Bandwidth (26 dB Bandwidth)	N/A		С
15.407(e)	RSS-247[6.2]	Minimum Emission Bandwidth (6 dB Bandwidth)	> 500 kHz in 5 725 ~ 5 850 MHz		С
15.407(a)	RSS-247[6.2]	Maximum Conducted Output Power	Part 15.407(a) (Refer to section 5.3)		С
15.407(a)	RSS-247[6.2]	Peak Power Spectral Density	Part 15.407(a) (Refer to section 5.4)	Conducted	С
-	RSS-Gen[6.7]	Occupied Bandwidth (99 %)	N/A		С
15.407(h)	RSS-247[6.3]	Dynamic Frequency Selection	Part 15.407(h) (Refer to the DFS test report)		C Note 4
15.205 15.209 15.407(b)	RSS-Gen[8.9] RSS-Gen[8.10] RSS-247[6.2]	Unwanted Emissions	Part 15.209, 15.407(b) (Refer to section 5.5)	Radiated	C Note 3
15.207	RSS-Gen[8.8]	AC Conducted Emissions	Part 15.207 (Refer to section 5.6)	AC Line Conducted	NA Note 5
15.203	-	Antenna Requirements	Part 15.203 (Refer to section 3)	-	С

Note 1: C = Comply NC = Not Comply NT = Not Tested NA = Not Applicable

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Note 2: For radiated emission tests below 30 MHz were performed on semi-anechoic chamber which is correlated with OATS.

Note 3: This test item was performed in three orthogonal EUT positions and the worst case data was reported.

Note 4: Refer to the DFS test report.

Note 5: This device is installed in a car. Therefore the power source is a battery of car.



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5. TEST RESULT

5.1 Emission Bandwidth (26 dB Bandwidth) & Occupied BW (99 %)

■ Test Requirements

- Emission Bandwidth (26 dB Bandwidth)

The bandwidth at 26 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

The 26 dB bandwidth is used to determine the conducted output power limit.

- Occupied BW (99 %)

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99 % emission bandwidth, as calculated or measured

■ Test Configuration

Refer to the APPENDIX I.

■ Test Procedure

- Emission Bandwidth (26 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of KDB789033 D02v02r01.

- 1. Set resolution bandwidth (RBW) = approximately 1 % of the EBW.
- 2. Set the video bandwidth (VBW) > RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.

Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

- Occupied BW (99 %): RSS-Gen[6.7]
- 1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- 2. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- 3. The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

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■ Test Results: Comply

Test Mode	Band	Channel	Frequency(MHz)	26 dB BW(MHz)	99 % BW(MHz)
	U-NII 1	36	5 180	19.87	16.34
		40	5 200	23.38	16.60
		48	5 240	20.95	16.33
		52	5 260	24.97	16.66
TM 1	U-NII 2A	60	5 300	23.89	16.55
		64	5 320	24.82	16.56
		100	5 500	21.09	16.38
	U-NII 2C	116	5 580	25.27	16.50
		144	5 720	21.74	16.42
		36	5 180	20.22	17.48
	U-NII 1	40	5 200	25.42	17.66
		48	5 240	20.56	17.46
		52	5 260	24.96	17.67
TM 2	U-NII 2A	60	5 300	28.65	17.68
		64	5 320	23.60	17.65
	U-NII 2C	100	5 500	22.14	17.55
		116	5 580	24.15	17.60
		144	5 720	21.19	17.53
	U-NII 1	38	5 190	40.97	35.87
		46	5 230	41.49	35.85
	U-NII 2A	54	5 270	59.89	36.27
TM 3		62	5 310	53.23	36.16
	U-NII 2C	102	5 510	44.63	36.00
		110	5 550	44.78	35.93
		142	5 710	41.62	35.85
	U-NII 1	42	5 210	82.10	75.04
TM 4	U-NII 2A	58	5 290	91.50	75.36
1 101 4	U-NII 2C	106	5 530	87.87	75.43
		138	5 690	88.25	75.20

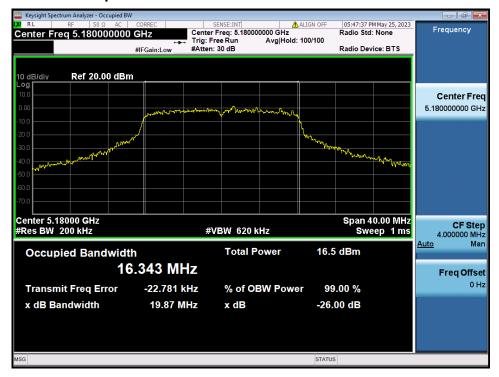




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26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW

Test Mode: TM 1 & Ch.40



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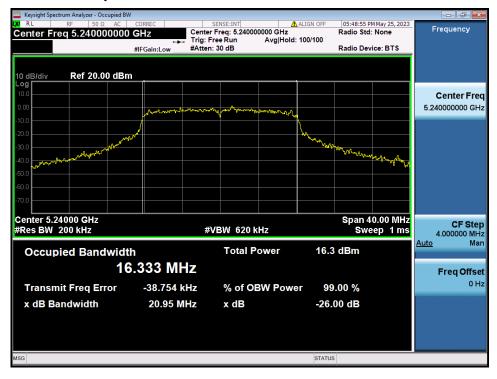




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26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW

Test Mode: TM 1 & Ch.52

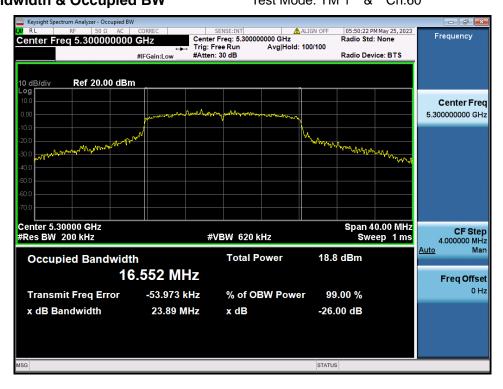


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26 dB Bandwidth & Occupied BW Test Mode: TM 1 & Ch.60



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26 dB Bandwidth & Occupied BW





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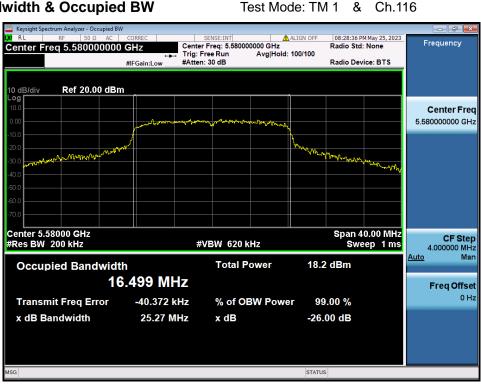




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26 dB Bandwidth & Occupied BW



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26 dB Bandwidth & Occupied BW





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26 dB Bandwidth & Occupied BW



Test Mode: TM 2 & Ch.40

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Report No.: DRTFCC2308-0122

26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & Ch.52



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Report No.: DRTFCC2308-0122

26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW





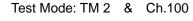
TRF-RF-234(06)210316 Pages: 21 / 124





Report No.: DRTFCC2308-0122

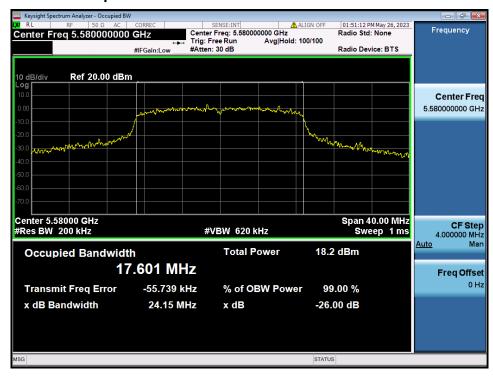
26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW

Test Mode: TM 2 & Ch.116



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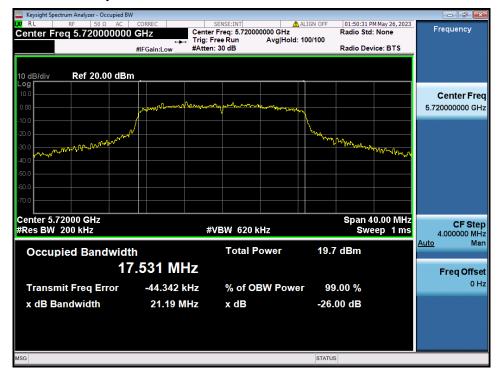




Report No.: DRTFCC2308-0122

26 dB Bandwidth & Occupied BW





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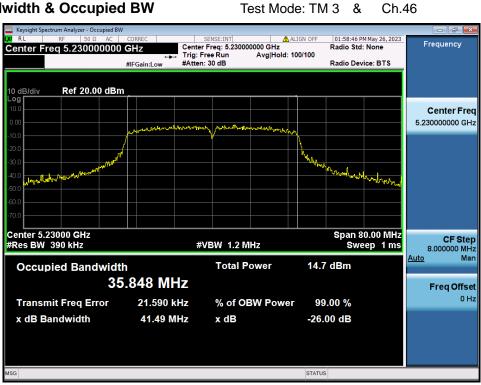






Report No.: DRTFCC2308-0122

26 dB Bandwidth & Occupied BW



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Report No.: DRTFCC2308-0122

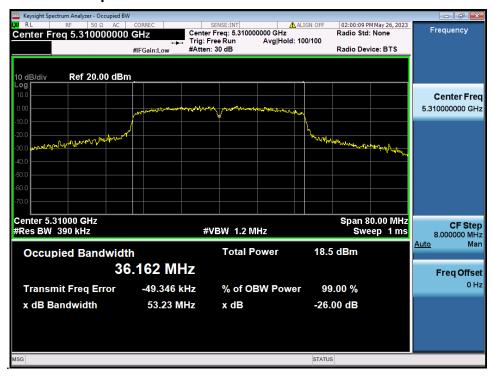
26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW

Test Mode: TM 3 & Ch.62



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26 dB Bandwidth & Occupied BW





Report No.: DRTFCC2308-0122

26 dB Bandwidth & Occupied BW





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Test Mode: TM 3 & Ch.142

99.00 %

-26.00 dB

STATUS

26 dB Bandwidth & Occupied BW

Transmit Freq Error

x dB Bandwidth

16.510 kHz

41.62 MHz



% of OBW Power

x dB

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Report No.: DRTFCC2308-0122

26 dB Bandwidth & Occupied BW





26 dB Bandwidth & Occupied BW





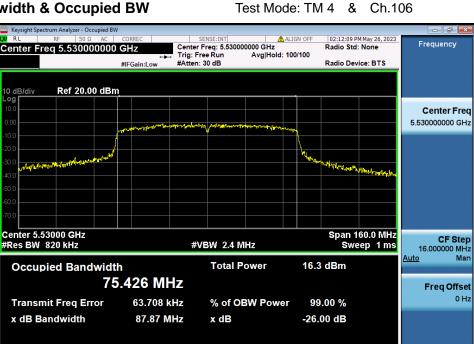
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26 dB Bandwidth & Occupied BW



STATUS

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FCC ID: BEJTF24IENE
IC: 2703H-TF24IENE

5.2 Minimum Emission Bandwidth (6 dB Bandwidth) & Occupied BW (99 %)

■ Test Requirements

- Emission Bandwidth (6 dB Bandwidth)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

- Occupied BW (99 %)

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99 % emission bandwidth, as calculated or measured.

■ Test Configuration

Refer to the APPENDIX I.

■ Test Procedure

- Emission Bandwidth (6 dB Bandwidth)

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB789033 D02v02r01**.

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth ≥ 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

- Occupied BW (99 %): RSS-Gen[6.7]
- 1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- 2. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- 3. The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3 x RBW.



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IC: 2703H-TF24IENE

■ Test Results: Comply

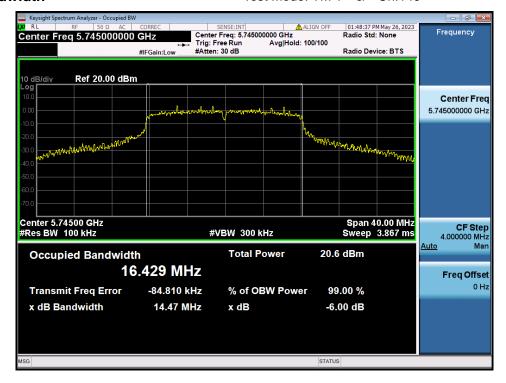
Test Mode	Band	Channel	Frequency(MHz)	6 dB BW(MHz)	99 % BW(MHz)
TM 1	U-NII 3	149	5 745	14.47	16.50
		157	5 785	14.43	16.47
		165	5 825	15.12	16.44
TM 2	U-NII 3	149	5 745	15.70	17.61
		157	5 785	15.08	17.54
		165	5 825	15.13	17.56
TM 3	U-NII 3	151	5 755	33.88	36.20
		159	5 795	31.41	36.13
TM 4	U-NII 3	155	5 775	71.44	75.31



Report No.: DRTFCC2308-0122

6 dB Bandwidth





6 dB Bandwidth

Test Mode: TM 1 & Ch.157



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6 dB Bandwidth Test Mode: TM 1 & Ch.165



Report No.: DRTFCC2308-0122

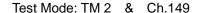
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Report No.: DRTFCC2308-0122

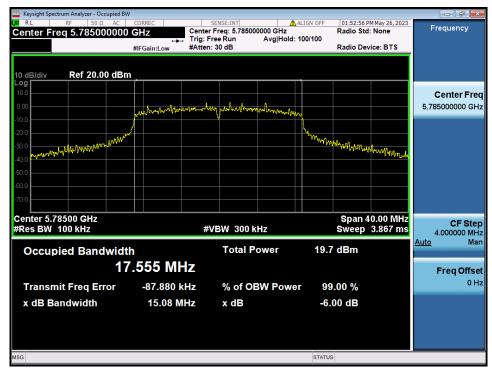
6 dB Bandwidth





6 dB Bandwidth

Test Mode: TM 2 & Ch.157



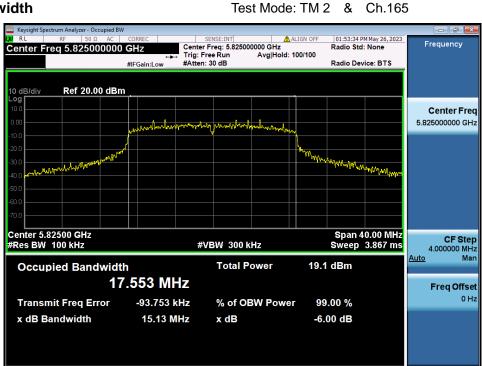
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6 dB Bandwidth

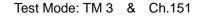


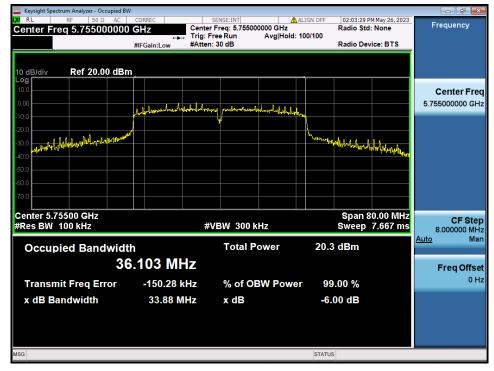
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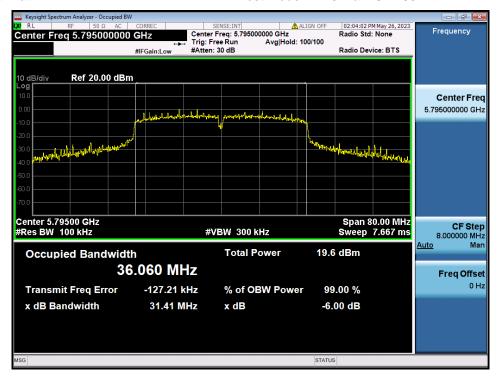
6 dB Bandwidth





6 dB Bandwidth

Test Mode: TM 3 & Ch.159



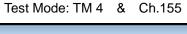
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6 dB Bandwidth





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Occupied Bandwidth





Occupied Bandwidth

Test Mode: TM 1 & Ch.157



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Report No.: DRTFCC2308-0122

Test Mode: TM 1 & Ch.165

Occupied Bandwidth



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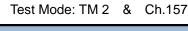
Report No.: DRTFCC2308-0122

Test Mode: TM 2 & Ch.149

Occupied Bandwidth



Occupied Bandwidth



STATUS



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Report No.: DRTFCC2308-0122

Test Mode: TM 2 & Ch.165

Occupied Bandwidth



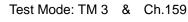
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Occupied Bandwidth





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Report No.: DRTFCC2308-0122

Occupied Bandwidth



Test Mode: TM 4 & Ch.155

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FCC ID: BEJTF24IENE

5.3 Maximum Conducted Output Power

■ Test Requirements

Part. 15.407(a)

(1) For the band 5.15 GHz - 5.25 GHz.

- (i) For an outdoor access point operating in the band 5.15 GHz 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
- (ii) For an indoor access point operating in the band 5.15 GHz 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (iii) For fixed point-to-point access points operating in the band 5.15 GHz 5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
- (iv) For mobile and portable client devices in the 5.15 GHz 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (2) For the 5.25 GHz 5.35 GHz and 5.47 GHz 5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725 GHz 5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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FCC ID: BEJTF24IENE

RSS-247[6.2]

(1) For band 5 150 MHz - 5 250 MHz

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log10B, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

(2) For band 5 250 MHz - 5 350 MHz

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log10B, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

- a) The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;
- b) The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

(3) For band 5 470 MHz - 5 600 MHz and 5 650 MHz - 5 725 MHz

The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

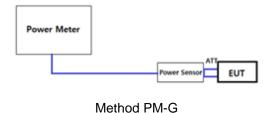
The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum

permitted e.i.r.p. of 1 W.

(4) For band 5 725 MHz - 5 850 MHz

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ Test Configuration



■ Test Procedure

Method PM-G of KDB789033 D02v02r01

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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■ Test Results: Comply

Mode	Band	Channel	Frequency (MHz)	Conducted Output Power(dBm)	Antenna Gain(dBi)	e.i.r.p ^{Note1} (dBm)
		36	5 180	9.47	-0.50	8.97
	U-NII 1	40	5 200	12.15	-0.50	11.65
		48	5 240	9.49	-0.50	8.99
		52	5 260	11.88	0.50	12.38
	U-NII 2A	60	5 300	11.68	0.50	12.18
000 44 -		64	5 320	11.60	0.50	12.10
802.11a		100	5 500	8.73	0.40	9.13
	U-NII 2C	116	5 580	11.41	0.40	11.81
		144	5 720	12.24	0.40	12.64
		149	5 745	11.14	0.40	11.54
	U-NII 3	157	5 785	12.05	0.40	12.45
		165	5 825	12.03	0.40	12.43
	U-NII 1	36	5 180	7.42	-0.50	6.92
		40	5 200	11.91	-0.50	11.41
		48	5 240	7.46	-0.50	6.96
	U-NII 2A	52	5 260	11.96	0.50	12.46
		60	5 300	11.63	0.50	12.13
802.11n		64	5 320	11.38	0.50	11.88
(HT20)	U-NII 2C	100	5 500	9.61	0.40	10.01
		116	5 580	11.14	0.40	11.54
		144	5 720	12.04	0.40	12.44
	U-NII 3	149	5 745	12.34	0.40	12.74
		157	5 785	11.85	0.40	12.25
		165	5 825	11.20	0.40	11.60
	U-NII 1	36	5 180	7.39	-0.50	6.89
802.11ac		40	5 200	11.96	-0.50	11.46
		48	5 240	7.49	-0.50	6.99
	U-NII 2A	52	5 260	11.62	0.50	12.12
		60	5 300	11.49	0.50	11.99
		64	5 320	11.26	0.50	11.76
(VHT20)	U-NII 2C	100	5 500	9.83	0.40	10.23
		116	5 580	11.05	0.40	11.45
		144	5 720	11.86	0.40	12.26
		149	5 745	12.19	0.40	12.59
	U-NII 3	157	5 785	11.67	0.40	12.07
		165	5 825	11.02	0.40	11.42





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Mode	Band	Channel	Frequency (MHz)	Conducted Output Power(dBm)	Antenna Gain(dBi)	e.i.r.p ^{Note1} (dBm)
	U-NII 1	38	5 190	7.55	-0.50	7.05
		46	5 230	7.72	-0.50	7.22
	U-NII 2A	54	5 270	10.29	0.50	10.79
000.44		62	5 310	10.08	0.50	10.58
802.11n (HT40)		102	5 510	8.36	0.40	8.76
(11140)	U-NII 2C	110	5 550	8.45	0.40	8.85
		142	5 710	10.57	0.40	10.97
	U-NII 3	151	5 755	12.20	0.40	12.60
		159	5 795	11.77	0.40	12.17
	U-NII 1	38	5 190	7.54	-0.50	7.04
		46	5 230	7.73	-0.50	7.23
	U-NII 2A	54	5 270	10.30	0.50	10.80
000 44 -		62	5 310	10.03	0.50	10.53
802.11ac (VHT40)	U-NII 2C	102	5 510	8.08	0.40	8.48
(111140)		110	5 550	8.11	0.40	8.51
		142	5 710	10.57	0.40	10.97
	U-NII 3	151	5 755	12.16	0.40	12.56
		159	5 795	11.71	0.40	12.11
802.11ac (VHT80)	U-NII 1	42	5 210	6.68	-0.50	6.18
	U-NII 2A	58	5 290	8.86	0.50	9.36
	LI NIII OO	106	5 530	6.90	0.40	7.30
	U-NII 2C	138	5 690	10.68	0.40	11.08
	U-NII 3	155	5 775	10.63	0.40	11.03

Note 1: e.i.r.p= Conducted Output Power + Antenna Gain

D Dt&C

IC: 2703H-TF24IENE Report No.: DRTFCC2308-0122

FCC ID: BEJTF24IENE

5.4 Maximum Power Spectral Density

■ Test requirements

Part. 15.407(a)

(1) For the band 5.15 GHz - 5.25 GHz.

- (i) For an outdoor access point operating in the band 5.15 GHz 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band. note1
- (ii) For an indoor access point operating in the band 5.15 GHz 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band. note1
- (iii) For fixed point-to-point access points operating in the band 5.15 GHz 5.25 GHz, transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
- (iv) For mobile and portable client devices in the 5.15 GHz 5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band, note1
- (2) For the 5.25 GHz 5.35 GHz and 5.47 GHz 5.725 GHz bands, the peak power spectral density shall not exceed 11 dBm in any 1 MHz band. note1
- (3) For the band 5.725 GHz 5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500 kHz band.note1,note2
- Note1: If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- Note2: Fixed point to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-topoint operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

RSS-247[6.2]

(1) For band 5 150 MHz - 5 250 MHz

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log10B, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

(2) For band 5 250 MHz - 5 350 MHz

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log10B, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

- a) The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;
- b) The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

(3) For band 5 470 MHz – 5 600 MHz and 5 650 MHz – 5 725 MHz

The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than

500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

(4) For band 5 725 MHz - 5 850 MHz

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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FCC ID: **BEJTF24IENE**IC: **2703H-TF24IENE**

■ Test Configuration

Refer to the APPENDIX I.

■ Test Procedure

Maximum Power Spectral Density is measured using Measurement Procedure of KDB789033 D02v02r01

- 1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA 1, SA 2, SA 3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
- 2) Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- 3) Make the following adjustments to the peak value of the spectrum, if applicable:
 - a) If Method SA 2 or SA 2 Alternative was used, add 10 log(1 / x), where x is the duty cycle, to the peak of the spectrum.
 - b) If Method SA 3 Alternative was used and the linear mode was used in step II.E.2.g (viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
- 4) The result is the Maximum PSD over 1 MHz reference bandwidth.
- 5) For devices operating in the bands 5.15 GHz 5.25 GHz , 5.25 GHz 5.35 GHz, and 5.47 GHz 5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in §15.407(a). For devices operating in the band 5.725 GHz 5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
 - a) Set RBW ≥ 1 / T, where T is defined in section II.B.1.a). (Refer to Appendix II)
 - b) Set VBW ≥ 3 RBW.
 - c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log(500 kHz / RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
 - d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log(1 MHz / RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
 - e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW = 100 kHz is available on nearly all spectrum analyzers.

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FCC ID: BEJTF24IENE

■ Test Results: Comply

Test Mode	Band	Channel	Frequency (MHz)	Reading (dBm)	TF Note 1 (dB)	Power Spectral Density(dB m)	Antenna Gain(dBi)	e.i.r.p Spectral Density (dBm)
		36	5 180	-0.14	0.22	0.08	-0.50	-0.42
	U-NII 1	40	5 200	2.39	0.22	2.61	-0.50	2.11
		48	5 240	-0.61	0.22	-0.39	-0.50	-0.89
		52	5 260	2.41	0.22	2.63	0.50	3.13
TM 1	U-NII 2A	60	5 300	2.14	0.22	2.36	0.50	2.86
		64	5 320	1.82	0.22	2.04	0.50	2.54
		100	5 500	-1.28	0.22	-1.06	0.40	-0.66
	U-NII 2C	116	5 580	1.49	0.22	1.71	0.40	2.11
		144	5 720	3.12	0.22	3.34	0.40	3.74
	U-NII 1	36	5 180	-2.88	0.24	-2.64	-0.50	-3.14
		40	5 200	2.05	0.24	2.29	-0.50	1.79
		48	5 240	-2.64	0.24	-2.40	-0.50	-2.90
	U-NII 2A	52	5 260	1.76	0.24	2.00	0.50	2.50
TM 2		60	5 300	1.30	0.24	1.54	0.50	2.04
		64	5 320	1.43	0.24	1.67	0.50	2.17
	U-NII 2C	100	5 500	0.02	0.24	0.26	0.40	0.66
		116	5 580	1.28	0.24	1.52	0.40	1.92
		144	5 720	2.61	0.24	2.85	0.40	3.25
TM 3	U-NII 1	38	5 190	-5.83	0.46	-5.37	-0.50	-5.87
		46	5 230	-5.35	0.46	-4.89	-0.50	-5.39
	U-NII 2A	54	5 270	-1.48	0.46	-1.02	0.50	-0.52
		62	5 310	-1.69	0.46	-1.23	0.50	-0.73
	U-NII 2C	102	5 510	-5.01	0.46	-4.55	0.40	-4.15
		110	5 550	-4.86	0.46	-4.40	0.40	-4.00
		142	5 710	-2.29	0.46	-1.83	0.40	-1.43
	U-NII 1	42	5 210	-10.66	0.83	-9.83	-0.50	-10.33
TM 4	U-NII 2A	58	5 290	-6.45	0.83	-5.62	0.50	-5.12
1 1 1 4	U-NII 2C	106	5 530	-8.01	0.83	-7.18	0.40	-6.78
		138	5 690	-5.74	0.83	-4.91	0.40	-4.51

Test Mode	Band	Channel	Frequency (MHz)	Reading (dBm/100kHz)	TF Note 1 (dB)	Power Spectral Density (dBm/500kHz)	Antenna Gain(dBi)	e.i.r.p Spectral Density (dBm/500kHz)
	U-NII 3	149	5 745	-5.54	7.21	1.67	0.40	2.07
TM 1		157	5 785	-6.74	7.21	0.47	0.40	0.87
		165	5 825	-7.57	7.21	-0.36	0.40	0.04
TM 2	U-NII 3	149	5 745	-6.16	7.23	1.07	0.40	1.47
		157	5 785	-6.71	7.23	0.52	0.40	0.92
		165	5 825	-7.08	7.23	0.15	0.40	0.55
TM 3	U-NII 3	151	5 755	-9.57	7.45	-2.12	0.40	-1.72
		159	5 795	-10.60	7.45	-3.15	0.40	-2.75
TM 4	U-NII 3	155	5 775	-13.95	7.82	-6.13	0.40	-5.73

Note 1: Power Spectral Density = Reading(Measurement Data) + TF

Note 2: e.i.r.p Spectral Density= Power spectral density + EUT Antenna Gain

Note 3: "U-NII 1, 2A, 2C [TF] = DCCF"

"U-NII 3 [TF] = 10*LOG(500 kHz/100 kHz) + DCCF"

Where, TF = Total Factor, DCCF = Duty Cycle Correction Factor

For DCCF(Duty Cycle Correction Factor) please refer to appendix II.

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Maximum Power Spectral Density





Maximum Power Spectral Density

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Maximum Power Spectral Density





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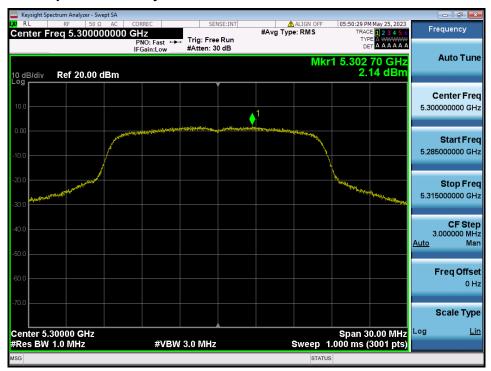
Maximum Power Spectral Density





Maximum Power Spectral Density





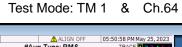
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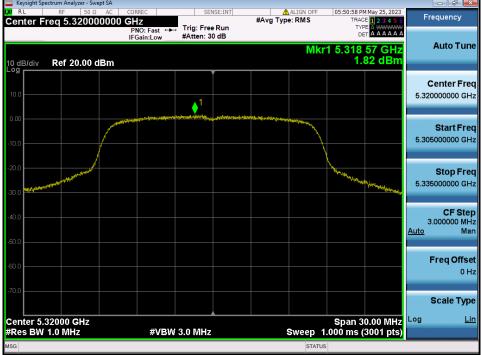




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Maximum Power Spectral Density





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Maximum Power Spectral Density





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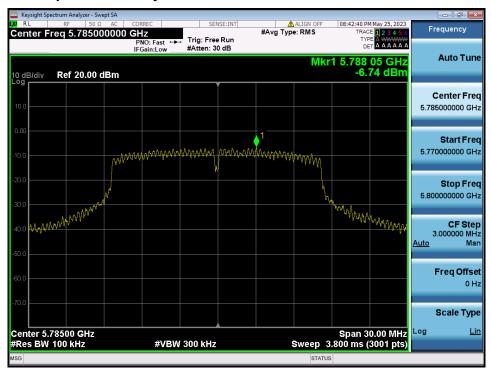
Maximum Power Spectral Density





Maximum Power Spectral Density

Test Mode: TM 1 & Ch.157



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Maximum Power Spectral Density

Test Mode: TM 1 & Ch.165



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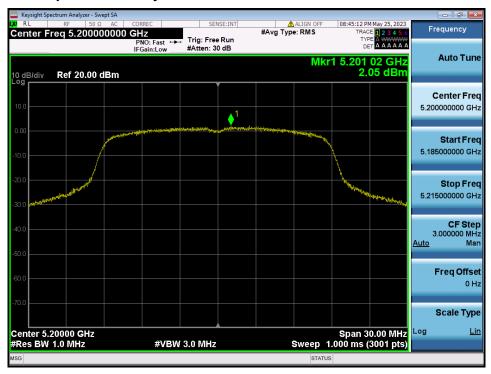
Maximum Power Spectral Density





Maximum Power Spectral Density





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