

TEST REPORT



Dt&C Co., Ltd.

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Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2604-0040(1)

2. Customer

- Name (FCC) : LG Electronics Inc.
- Address (FCC) : 222 LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, South Korea, 17709

3. Use of Report : FCC Original Certification

4. Product Name / Model Name : Telematics / TFWWAIBG1FP
FCC ID : 2BO3LTFWWAIBG1FP

5. FCC Regulation(s): Part 96

Test Method used: KDB971168 D01v03r01, ANSI C63.26-2015

6. Date of Test : 2025.11.20 ~ 2026.01.13, 2026.04.23 ~ 2026.04.24

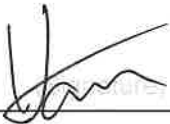
7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

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	Tested by	Technical Manager
	Name : SeokHo Han 	Name : JaeJin Lee 

2026 . 04 . 27 .

Dt&C Co., Ltd.

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

Test Report Version

Test Report No.	Date	Description	Revised by	Reviewed by
DRTFCC2604-0040	Apr. 20, 2026	Initial issue	SeokHo Han	JaeJin Lee
DRTFCC2604-0040(1)	Apr. 27, 2026	Revised section 1 and 7.1	SeokHo Han	JaeJin Lee

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1. GENERAL INFORMATION

Equipment Class	Citizens Band End User Devices (CBE)
Product Name	Telematics
Model Name(s)	TFVWAIBG1FP, TFVWAIBG1F8
FVIN(Firmware Version Identification Number)	0038
EUT Serial Number	25AVHKR142155
Supplying power	DC 12 V
Waveform	CP-OFDM, DFT-S-OFDM
Modulation type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM
Antenna Information	Shark fin antenna (5GNR: PIFA type) Gain: -1.6 dBi Note: The antenna gain was corrected for the cable loss from the conducted feed point to the antenna terminal.

NR Frequency Band	Channel Bandwidth (MHz)	Modulation	TX Frequency (MHz)	Conducted Output Power		EIRP	
				Max power (dBm)	Max power (W)	Max power (dBm)	Max power (W)
n48	40	$\pi/2$ BPSK	3 570.00 ~ 3 679.98	22.41	0.174	20.81	0.121
n48	40	QPSK	3 570.00 ~ 3 679.98	22.45	0.176	20.85	0.122
n48	40	16QAM	3 570.00 ~ 3 679.98	21.66	0.147	20.06	0.101
n48	40	64QAM	3 570.00 ~ 3 679.98	20.48	0.112	18.88	0.077
n48	40	256QAM	3 570.00 ~ 3 679.98	18.42	0.070	16.82	0.048
n48	30	$\pi/2$ BPSK	3 565.02 ~ 3 684.99	22.66	0.185	21.06	0.128
n48	30	QPSK	3 565.02 ~ 3 684.99	22.76	0.189	21.16	0.131
n48	30	16QAM	3 565.02 ~ 3 684.99	21.71	0.148	20.11	0.103
n48	30	64QAM	3 565.02 ~ 3 684.99	20.07	0.102	18.47	0.070
n48	30	256QAM	3 565.02 ~ 3 684.99	18.28	0.067	16.68	0.047
n48	20	$\pi/2$ BPSK	3 560.01 ~ 3 690.00	22.57	0.181	20.97	0.125
n48	20	QPSK	3 560.01 ~ 3 690.00	22.76	0.189	21.16	0.131
n48	20	16QAM	3 560.01 ~ 3 690.00	22.21	0.166	20.61	0.115
n48	20	64QAM	3 560.01 ~ 3 690.00	20.30	0.107	18.70	0.074
n48	20	256QAM	3 560.01 ~ 3 690.00	18.41	0.069	16.81	0.048
n48	10	$\pi/2$ BPSK	3 555.00 ~ 3 694.98	22.94	0.197	21.34	0.136
n48	10	QPSK	3 555.00 ~ 3 694.98	22.77	0.189	21.17	0.131
n48	10	16QAM	3 555.00 ~ 3 694.98	22.17	0.165	20.57	0.114
n48	10	64QAM	3 555.00 ~ 3 694.98	20.45	0.111	18.85	0.077
n48	10	256QAM	3 555.00 ~ 3 694.98	18.45	0.070	16.85	0.048

2. INTRODUCTION

2.1. EUT DESCRIPTION

This EUT supports the following capabilities:

LTE(non-CA), LTE UL Carrier Aggregation, 5G NR(FR1 non-CA), 5G NR UL Carrier Aggregation and EN-DC 5G NR

2.2. TESTING ENVIRONMENT

Ambient Condition	
▪ Temperature	+20 °C ~ +21 °C
▪ Relative Humidity	37 % ~ 39 %

2.3. MEASURING 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.

2.4. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with requirements of ANSI C63.26-2015.

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	1.0 dB (The confidence level is about 95 %, $k = 2$)
Radiated Disturbance (Below 1 GHz)	5.0 dB (The confidence level is about 95 %, $k = 2$)
Radiated Disturbance (1 GHz ~ 18 GHz)	4.8 dB (The confidence level is about 95 %, $k = 2$)
Radiated Disturbance (Above 18 GHz)	5.7 dB (The confidence level is about 95 %, $k = 2$)

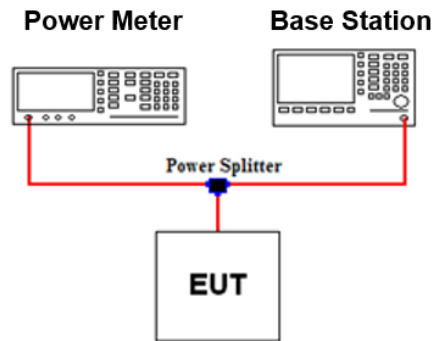
2.5. TEST FACILITY

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.		
- FCC Designation No.: KR0034		
- FCC Test Firm Registration No.: 704742		
- ISED CAB identifier: KR0034		
- ISED#: 5740A		
www.dtnc.net		
Telephone	:	+ 82-31-321-2664
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3. DESCRIPTION OF TESTS

3.1. MAXIMUM OUTPUT POWER

Conducted Output Power(full emission bandwidth power) Test Set-up



Test Procedure

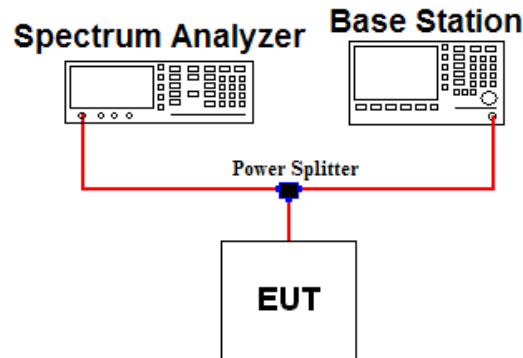
- KDB971168 D01v03 - Section 5.2.4
- ANSI C63.26-2015 – Section 5.2.4.2

When an average power meter is used to perform RF output power measurements, the fundamental condition that measurements be performed only over durations of active transmissions at maximum output power level applies. Thus, an average power meter can always be used to perform the measurement when the EUT can be configured to transmit continuously.

If the EUT cannot be configured to transmit continuously (i.e., burst duty cycle < 98%), then the following options can be implemented to facilitate measurement of the average power with an average power meter:

- A gated average power meter can be used to perform the measurement if the gating parameters can be adjusted such that the power is measured only during active transmission bursts at maximum output power levels.
- A conventional average power meter with no signal gating capability can also be used if the measured burst duty cycle is constant (i.e., duty cycle variations are less than or equal to $\pm 2\%$) by performing the measurement over the on/off burst cycles and then correcting (increasing) the measured level by a factor equal to $[10 \log (1/\text{duty cycle})]$.

Conducted Output Power / 10 MHz Test Set-up



Test Procedure

- KDB971168 D01v03r01 - Section 5.4
- ANSI C63.26-2015 – Section 5.2.4.5, 5.2.4.4.2

Test setting

1. Set span to 2 x to 3 x the OBW.
2. Set RBW = 10 MHz
3. Set VBW $\geq 3 \times$ RBW.
4. Set number of points in sweep $\geq 2 \times$ span / RBW.
5. Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ for single sweep (automation-compatible) measurement.
6. Detector = power averaging (rms).
7. Set sweep trigger to “free run”
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.
9. By using the marker function to identify the maximum PSD instead of summing the power across the OBW.
10. Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission. For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is a constant 25 %.

EUT duty cycle

NR Band	$T_{\text{on}}(\text{ms})$	$T_{\text{on+off}}(\text{ms})$	Duty cycle = $T_{\text{on}} / (T_{\text{on+off}})$	$10 \log (1/\text{duty cycle})$
n48	1.0	5.0	0.2	6.99 dB

- ERP & EIRP (Effective Radiated Power & Equivalent Isotropic Radiated Power)

Test Procedure

- KDB971168 D01v03r01 - Section 5.6
- ANSI C63.26-2015 – Section 5.2.5.5

Determining ERP and EIRP from conducted RF output power measurement results

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_C$$

where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

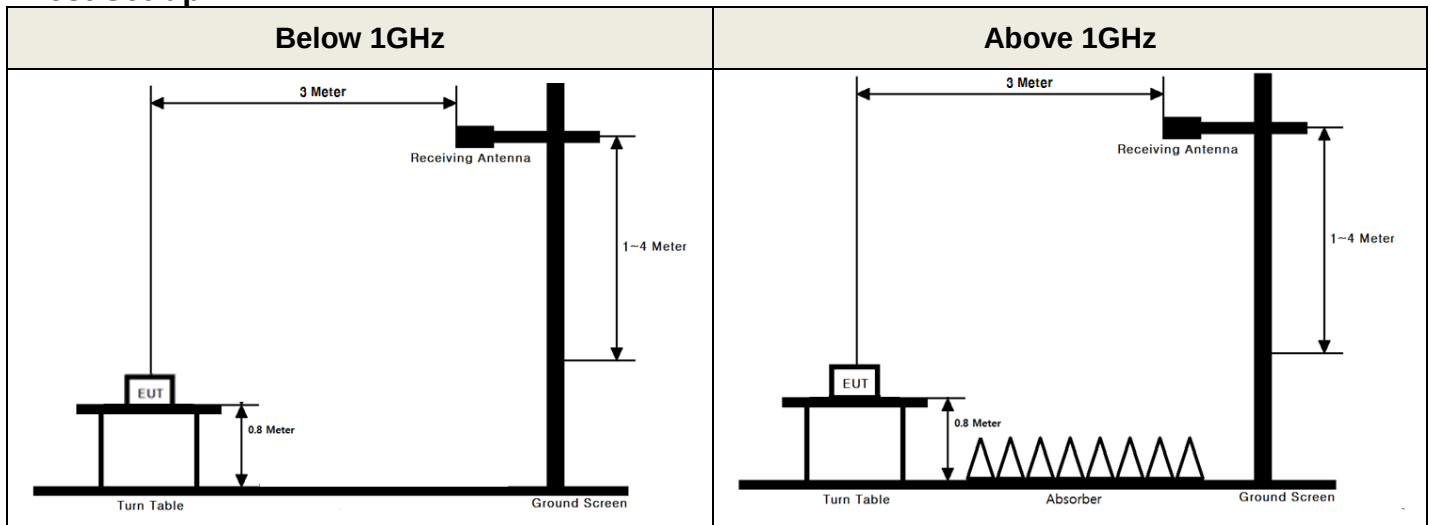
P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

3.2. UNDESIRABLE EMISSIONS

Test Set-up



These measurements were performed at 3 test site. The equipment under test is placed on a non-conductive table 0.8 or 1.5 meters above a turntable which is flush with the ground plane and 3 meters from the receive antenna. For measurements above 1GHz absorbers are placed on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1 GHz, the absorbers are removed.

Test Procedure

- KDB971168 D01v03 - Section 7
- ANSI C63.26-2015 – Section 5.5

Test setting

1. RBW = 100 kHz for below 1 GHz and 1 MHz for above 1 GHz / VBW $\geq 3 \times$ RBW
2. Detector = RMS & Trace mode = power averaging (rms)
3. Sweep time = Auto couple
4. Number of sweep point $\geq 2 \times$ span / RBW
5. The trace was allowed to stabilize

Note: If duty cycle < 98%, add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission. Please refer to the section 3.1 for duty cycle.

The receive antenna height and turntable rotations were adjusted for the highest reading on the receive spectrum analyzer.

For radiated power measurements below 1 GHz, a half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading.

For radiated power measurements above 1 GHz, a Horn antenna was substituted in place of the EUT. This Horn antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same spectrum analyzer reading. The difference between the gain of the horn and an isotropic antenna are taken into consideration. This measurement was performed with the EUT oriented in 3 orthogonal axis.

4. LIST OF TEST EQUIPMENT

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal. Date (yy/mm/dd)	S/N
Spectrum Analyzer	Agilent Technologies	N9020A	25/05/26	26/05/26	US47360812
Spectrum Analyzer	KEYSIGHT	N9030B	25/11/20	26/11/20	MY55480168
DC power supply	DIGITAL	DPR-303D	25/05/29	26/05/29	0120044
Multimeter	FLUKE	17B+	25/11/21	26/11/21	36390701WS
Radio Communication Analyzer	KEYSIGHT	E7515B	25/11/21	26/11/21	MY58300723
Radio Communication Analyzer	KEYSIGHT	E7515B	25/05/30	26/05/30	MY60192461
Thermohygrometer	BODYCOM	BJ5478	25/11/24	26/11/24	120612-2
Thermohygrometer	BODYCOM	BJ5478	25/05/29	26/05/29	N/A
Power Splitter	Anritsu	K241B	25/11/21	26/11/21	1301182
Signal Generator	Rohde Schwarz	SMBV100A	25/11/20	26/11/20	255571
Signal Generator	ANRITSU	MG3695C	25/11/18	26/11/18	173501
Loop Antenna	ETS-Lindgren	6502	25/11/06	27/11/06	00060496
Hybrid Antenna	Schwarzbeck	VULB9163	25/05/27	26/05/27	9163-572
Horn Antenna	ETS-Lindgren	3117	25/05/27	26/05/27	00143278
Horn Antenna	A.H.Systems Inc.	SAS-574	25/06/11	26/06/11	155
PreAmplifier	Agilent Technologies	8449B	25/11/17	26/11/17	3008A00161
PreAmplifier	tsj	MLA-1840-J02-45	25/05/29	26/05/29	16966-10728
PreAmplifier	H.P	8447D	25/11/17	26/11/17	2944A07774
High Pass Filter	Wainwright Instruments	WHKX12-935-1000-15000-40SS	25/05/26	26/05/26	8
High Pass Filter	Wainwright Instruments	WHKX10-2838-3300-18000-60SS	25/05/26	26/05/26	1
High Pass Filter	Wainwright Instruments	WHNX8.0/26.5-6SS	25/05/26	26/05/26	3
Attenuator	Aeroflex/Weinschel	56-3	25/05/26	26/05/26	Y2370
Cable	Dt&C	Cable	26/01/02	27/01/02	G-2
Cable	OMT	YSS21S	26/01/02	27/01/02	G-5
Cable	Microwave	HF-290	26/01/02	27/01/02	G-6
Cable	Microwave	HF-290	26/01/02	27/01/02	G-7
Cable	JUNKOSHA	MWX221	26/01/02	27/01/02	G-8
Cable	JUNKOSHA	MWX241	26/01/02	27/01/02	G-11
Cable	JUNKOSHA	MWX241	26/01/02	27/01/02	mmW-1
Cable	JUNKOSHA	MWX241	26/01/02	27/01/02	mmW-4
Cable	HUBER+SUHNER	SUCOFLEX100	26/01/02	27/01/02	M-01
Cable	HUBER+SUHNER	SUCOFLEX100	26/01/02	27/01/02	M-02
Cable	JUNKOSHA	MWX241/B	26/01/02	27/01/02	M-03
Cable	JUNKOSHA	J12J101757-00	26/01/02	27/01/02	M-07
Cable	HUBER+SUHNER	SUCOFLEX106	26/01/02	27/01/02	M-09
3m Semi Anechoic Chamber	SYC	3m-SAC	25/06/13(NSA) 25/06/19(VSWR)	26/06/13(NSA) 26/06/19(VSWR)	3m-SAC-1
3m Semi Anechoic Chamber	SYC	3m-SAC	26/01/09(NSA) 26/01/14(VSWR)	27/01/09(NSA) 27/01/14(VSWR)	3m-SAC-2

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.

5. SUMMARY OF TEST RESULTS

FCC Part Section(s)	Test Description	Test Limit	Status Note 1
2.1046	Conducted Output Power	N/A	C
96.41(b)	Maximum EIRP	< 23 dBm / 10MHz (End user device)	C
2.1053 96.41	Undesirable Emissions	< -40 dBm / MHz	C
Note 1: C=Comply NC=Not Comply NT=Not Tested NA=Not Applicable Note 2: This device uses a certified module (FCC ID: 2AX2URN932V). Please refer to the module test report for conducted signal test items. Note 3: Radiated measurements were performed in three orthogonal EUT positions, and the worst case data were reported.			

6. SAMPLE CALCULATION

A. For substitution method

Unwanted emissions

- 1) The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1 GHz respectively above ground.
- 2) The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
- 3) Vary the measurement antenna height through 1 m to 4 m and the rotate EUT through 360° in order to determine the maximum emission level.
- 4) Record the measured emission level and frequency using the available test method.
If required by the test method, add $10 \log(1/\text{duty cycle})$ to measured emission level.
- 5) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.
- 6) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude. And adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the previously emission level[Measured level + $10 \log(1/\text{duty cycle})$].
- 7) The conducted power at the terminal of the substitute antenna is measured.
- 8) Record the level at substituted antenna terminal.
- 9) The result is calculated as below;

Result: EIRP(dBm) = LEVLE@ANTENNA TERMINAL + TX Antenna Gain (dBi)

Result: ERP(dBm) = LEVLE@ANTENNA TERMINAL + TX Antenna Gain (dBd)

Where, TX Antenna Gain (dBd) = TX Antenna Gain (dBi) - 2.15 dB

7. TEST DATA

7.1. MAXIMUM OUTPUT POWER

- Test Notes

- 1) $EIRP(dBm) = \text{Conducted Output power}(dBm) + \text{Antenna Gain}(dBi)$
 $EIRP(dBm/10MHz) = \text{Conducted Output power}(dBm/10MHz) + \text{Antenna Gain}(dBi)$
 $ERP = EIRP - 2.15(dB)$
- 2) Worst-case data are reported.

Full emission bandwidth power

Channel Bandwidth (MHz)	Frequency (MHz)	Modulation	RB Size/ Offset	Conducted Output Power (dBm)	Antenna Gain(dBi)	EIRP (dBm)
40	3570.00	$\pi/2$ BPSK	1/Mid	22.41	-1.6	20.81
		QPSK	1/inner left	22.40	-1.6	20.80
		16QAM	1/Inner right	21.66	-1.6	20.06
		64QAM	1/Inner right	20.48	-1.6	18.88
		256QAM	1/edge right	18.42	-1.6	16.82
	3624.99	$\pi/2$ BPSK	1/Mid	22.35	-1.6	20.75
		QPSK	1/inner left	22.45	-1.6	20.85
		16QAM	1/inner left	21.61	-1.6	20.01
		64QAM	1/edge left	20.01	-1.6	18.41
		256QAM	1/inner left	18.26	-1.6	16.66
	3679.98	$\pi/2$ BPSK	1/Inner right	22.34	-1.6	20.74
		QPSK	1/Inner right	22.40	-1.6	20.80
		16QAM	1/Inner right	21.61	-1.6	20.01
		64QAM	1/Inner right	19.86	-1.6	18.26
		256QAM	1/Inner right	17.93	-1.6	16.33
30	3565.02	$\pi/2$ BPSK	1/Inner right	22.53	-1.6	20.93
		QPSK	1/Inner right	22.76	-1.6	21.16
		16QAM	1/Inner right	21.64	-1.6	20.04
		64QAM	1/inner left	19.89	-1.6	18.29
		256QAM	1/edge left	18.28	-1.6	16.68
	3624.99	$\pi/2$ BPSK	1/inner left	22.66	-1.6	21.06
		QPSK	1/inner left	22.75	-1.6	21.15
		16QAM	1/Mid	21.71	-1.6	20.11
		64QAM	1/inner left	20.07	-1.6	18.47
		256QAM	1/edge right	17.52	-1.6	15.92
	3684.99	$\pi/2$ BPSK	1/inner left	22.33	-1.6	20.73
		QPSK	1/inner left	22.54	-1.6	20.94
		16QAM	1/inner left	21.46	-1.6	19.86
		64QAM	1/edge right	19.89	-1.6	18.29
		256QAM	1/Inner right	18.06	-1.6	16.46

Channel Bandwidth (MHz)	Frequency (MHz)	Modulation	RB Size/ Offset	Conducted Output Power (dBm)	Antenna Gain(dBi)	EIRP (dBm)
20	3560.01	$\pi/2$ BPSK	1/Mid	22.49	-1.6	20.89
		QPSK	1/Inner right	22.63	-1.6	21.03
		16QAM	1/Mid	21.80	-1.6	20.20
		64QAM	1/inner left	20.09	-1.6	18.49
		256QAM	1/inner left	18.33	-1.6	16.73
	3624.99	$\pi/2$ BPSK	1/Mid	22.57	-1.6	20.97
		QPSK	1/inner left	22.76	-1.6	21.16
		16QAM	1/inner left	22.21	-1.6	20.61
		64QAM	1/inner left	20.30	-1.6	18.70
		256QAM	1/inner left	18.41	-1.6	16.81
	3690.00	$\pi/2$ BPSK	1/Mid	22.38	-1.6	20.78
		QPSK	1/Mid	22.31	-1.6	20.71
		16QAM	1/inner left	21.29	-1.6	19.69
		64QAM	1/Inner right	19.90	-1.6	18.30
		256QAM	1/Mid	18.02	-1.6	16.42
10	3555.00	$\pi/2$ BPSK	1/Inner right	22.66	-1.6	21.06
		QPSK	1/Inner right	22.46	-1.6	20.86
		16QAM	1/Mid	21.71	-1.6	20.11
		64QAM	1/inner left	20.45	-1.6	18.85
		256QAM	1/Inner right	18.17	-1.6	16.57
	3624.99	$\pi/2$ BPSK	1/inner left	22.94	-1.6	21.34
		QPSK	1/inner left	22.77	-1.6	21.17
		16QAM	1/Inner right	22.17	-1.6	20.57
		64QAM	1/inner left	20.24	-1.6	18.64
		256QAM	1/inner left	18.45	-1.6	16.85
	3694.98	$\pi/2$ BPSK	1/Mid	22.49	-1.6	20.89
		QPSK	1/inner left	22.07	-1.6	20.47
		16QAM	1/Inner right	21.28	-1.6	19.68
		64QAM	1/Inner right	20.25	-1.6	18.65
		256QAM	1/Mid	17.13	-1.6	15.53

Output power / 10MHz

Channel Bandwidth (MHz)	Frequency (MHz)	Modulation	RB Size/ Offset	Conducted Output Power (dBm/10MHz)	Antenna Gain(dBi)	EIRP (dBm/10MHz)
40	3570.00	$\pi/2$ BPSK	1/inner left	22.91	-1.6	21.31
		QPSK	1/inner left	22.81	-1.6	21.21
		16QAM	1/Inner right	21.39	-1.6	19.79
		64QAM	1/Inner right	20.23	-1.6	18.63
		256QAM	1/edge right	18.08	-1.6	16.48
	3624.99	$\pi/2$ BPSK	1/inner left	22.77	-1.6	21.17
		QPSK	1/Mid	22.51	-1.6	20.91
		16QAM	1/inner left	21.16	-1.6	19.56
		64QAM	1/edge left	19.66	-1.6	18.06
		256QAM	1/inner left	17.86	-1.6	16.26
	3679.98	$\pi/2$ BPSK	1/Mid	22.73	-1.6	21.13
		QPSK	1/Mid	22.59	-1.6	20.99
		16QAM	1/inner left	21.96	-1.6	20.36
		64QAM	1/edge left	20.43	-1.6	18.83
		256QAM	1/Mid	18.39	-1.6	16.79
30	3565.02	$\pi/2$ BPSK	1/inner left	22.85	-1.6	21.25
		QPSK	1/Mid	22.57	-1.6	20.97
		16QAM	1/inner left	22.07	-1.6	20.47
		64QAM	1/inner left	20.36	-1.6	18.76
		256QAM	1/Inner right	18.67	-1.6	17.07
	3624.99	$\pi/2$ BPSK	1/inner left	22.57	-1.6	20.97
		QPSK	1/Mid	22.54	-1.6	20.94
		16QAM	1/Inner right	22.42	-1.6	20.82
		64QAM	1/inner left	19.76	-1.6	18.16
		256QAM	1/edge right	17.35	-1.6	15.75
	3684.99	$\pi/2$ BPSK	1/Inner right	22.85	-1.6	21.25
		QPSK	1/inner left	23.01	-1.6	21.41
		16QAM	1/Inner right	21.84	-1.6	20.24
		64QAM	1/edge left	20.58	-1.6	18.98
		256QAM	1/inner left	18.55	-1.6	16.95

Channel Bandwidth (MHz)	Frequency (MHz)	Modulation	RB Size/ Offset	Conducted Output Power (dBm/10MHz)	Antenna Gain(dBi)	EIRP (dBm/10MHz)
20	3560.01	$\pi/2$ BPSK	1/Inner right	23.01	-1.6	21.41
		QPSK	1/Inner right	22.98	-1.6	21.38
		16QAM	1/Inner right	21.93	-1.6	20.33
		64QAM	1/Mid	20.45	-1.6	18.85
		256QAM	1/Mid	18.63	-1.6	17.03
	3624.99	$\pi/2$ BPSK	1/Inner right	22.61	-1.6	21.01
		QPSK	1/Mid	22.37	-1.6	20.77
		16QAM	1/Inner right	21.57	-1.6	19.97
		64QAM	1/edge left	20.55	-1.6	18.95
		256QAM	1/edge left	18.34	-1.6	16.74
	3690.00	$\pi/2$ BPSK	1/Inner right	22.73	-1.6	21.13
		QPSK	1/inner left	22.79	-1.6	21.19
		16QAM	1/Inner right	21.81	-1.6	20.21
		64QAM	1/Mid	20.53	-1.6	18.93
		256QAM	1/Inner right	18.71	-1.6	17.11
10	3555.00	$\pi/2$ BPSK	1/inner left	23.29	-1.6	21.69
		QPSK	1/Inner right	22.94	-1.6	21.34
		16QAM	1/inner left	22.10	-1.6	20.50
		64QAM	1/edge left	20.80	-1.6	19.20
		256QAM	1/inner left	18.59	-1.6	16.99
	3624.99	$\pi/2$ BPSK	1/Mid	23.11	-1.6	21.51
		QPSK	1/Mid	23.00	-1.6	21.40
		16QAM	1/Inner right	21.93	-1.6	20.33
		64QAM	1/edge left	20.44	-1.6	18.84
		256QAM	1/Mid	18.41	-1.6	16.81
	3694.98	$\pi/2$ BPSK	1/inner left	23.00	-1.6	21.40
		QPSK	1/inner left	22.23	-1.6	20.63
		16QAM	1/Inner right	21.09	-1.6	19.49
		64QAM	1/Mid	20.88	-1.6	19.28
		256QAM	1/Mid	17.51	-1.6	15.91

7.2. UNDESIRABLE EMISSIONS (Radiated)

- Test Notes

- 1) Limit = -40 dBm/MHz
- 2) Result(dBm) = Level at Substitute antenna terminal(dBm) + Substitute Antenna Gain (dBi)
- 3) The frequency spectrum is examined from 9 kHz to the 10th harmonic of the fundamental frequency of the transmitter. No other spurious and harmonic emissions were reported greater than listed emissions above table.

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Channel Bandwidth (MHz)	Frequency (MHz)	Modulation	RB size/ offset	Freq.(MHz)	Ant Pol (H/V)	Level at Antenna Terminal(dBm)	Substitute Antenna Gain(dBi)	Result (dBm)	Limit (dBm)	Margin (dB)
40	3570.00	$\pi/2$ BPSK	1/1	7103.29	V	-58.38	11.52	-46.86	-40.00	6.86
				10653.94	V	-65.06	13.24	-51.82	-40.00	11.82
				14205.91	V	-62.77	14.16	-48.61	-40.00	8.61
				17757.44	V	-57.55	13.88	-43.67	-40.00	3.67
	3624.99		1/1	7213.05	V	-58.09	11.68	-46.41	-40.00	6.41
				10819.69	V	-65.64	13.34	-52.30	-40.00	12.30
				14425.57	V	-62.20	14.01	-48.19	-40.00	8.19
	3679.98		1/1	7322.88	V	-57.02	11.88	-45.14	-40.00	5.14
				10984.75	V	-65.10	13.34	-51.76	-40.00	11.76
				14645.84	V	-61.09	13.86	-47.23	-40.00	7.23

- End of Report -