

4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386

Page:

18

TEST REPORT

of

FCC Part 15 Subpart E §15.407 IC RSS-247 Issue 3

FCC ID: BEJTFBMEIBN3EU IC Certification: 2703H-TFBMEIBN3EU

Equipment Under Test : Telematics

Model Name

: TFBMEIBN3EU

Variant Model Name(s) : Refer to page 4

Applicant

FCC: LG Electronics USA. Inc. IC: LG ELECTRONICS INC.

Manufacturer

: LG Electronics Co., Ltd.

Date of Receipt

: 2023.12.13

Date of Test(s)

: 2024.03.04 ~ 2024.08.29

Date of Issue

: 2024.08.30

In the configuration tested, the EUT complied with the standards specified above. This test report does not assure KOLAS accreditation.

1) The results of this test report are effective only to the items tested.

Murphy Kim

- 2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.
- 3) This test report cannot be reproduced, except in full, without prior written permission of the Company.
- 4) The data marked * in this report was provided by the customer and may affect the validity of the test results. We are responsible for all the information of this test report except for the data(**) provided by the customer.

Tested by:

Technical Manager:

Jinhyoung Cho

SGS Korea Co., Ltd. Gunpo Laboratory



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 2 of 18

INDEX

Table of contents

1. General Information	3
2 DES (Dynamic Frequency Selection)	7



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 3 of 18

1. General Information

1.1. Testing Laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

- 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807

- 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807

- Designation number: KR0150

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.

Phone No. : +82 31 688 0901 Fax No. : +82 31 688 0921

1.2. Details of Applicant

FCC Applicant : LG Electronics USA, Inc.

FCC Address : 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, United States, 07632

IC Applicant : LG ELECTRONICS INC.

IC Address : 222, LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Korea (Republic of), 451-713

Contact Person : Kim, David Phone No. : +1 201 470 2696

1.3. Details of Manufacturer

Company : LG Electronics Inc.

Address : 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea, 07336



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 4 of 18

1.4. Description of EUT

Kind of Product	Telematics						
Model Name	TFBMEIBN3EU						
Approved Module	FCC ID: BEJTM16F)			
Variant Model Names	TFBMNINN0EN, TI						
Serial Number	Conducted: #1 Radiated: #2						
Power Supply	DC 12 V						
Frequency Range	5 180 Mb ~ 5 240 Mb (Band 1: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 5 190 Mb ~ 5 230 Mb (Band 1: 11n_HT40, 11ac_VHT40, 11ax_HE40) 5 210 Mb (Band 1: 11ac_VHT80, 11ax_HE80) 5 260 Mb ~ 5 320 Mb (Band 2A: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 5 270 Mb ~ 5 310 Mb (Band 2A: 11n_HT40, 11ac_VHT40, 11ax_HE40) 5 290 Mb (Band 2A: 11ac_VHT80, 11ax_HE80) 5 500 Mb ~ 5 720 Mb (Band 2C: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 5 510 Mb ~ 5 710 Mb (Band 2C: 11n_HT40, 11ac_VHT40, 11ax_HE40) 5 530 Mb ~ 5 690 Mb (Band 2C: 11ac_VHT80, 11ax_HE80) 5 745 Mb ~ 5 825 Mb (Band 3: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 5 755 Mb ~ 5 795 Mb (Band 3: 11n_HT40, 11ac_VHT40, 11ax_HE40) 5 775 Mb (Band 3: 11ac_VHT80, 11ax_HE80)						
Modulation Technique	OFDM, OFDMA						
Number of Channels	4 channels (Band 1: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 2 channels (Band 1: 11n_HT40, 11ac_VHT40, 11ax_HE40) 1 channel (Band 1: 11ac_VHT80, 11ax_HE80) 4 channels (Band 2A: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 2 channels (Band 2A: 11n_HT40, 11ac_VHT40, 11ax_HE40) 1 channel (Band 2A: 11ac_VHT80, 11ax_HE80) 9 channels (Band 2C: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 4 channels (Band 2C: 11n_HT40, 11ac_VHT40, 11ax_HE40) 2 channels (Band 2C: 11ac_VHT80, 11ax_HE80) 5 channels (Band 3: 11a/n_HT20, 11ac_VHT20, 11ax_HE20) 2 channels (Band 3: 11n_HT40, 11ac_VHT40, 11ax_HE40) 1 channel (Band 3: 11ac_VHT80, 11ax_HE80)						
Antenna Type	Ant. 1: Pattern	Ant.	2: Pattern	Ant. 3: Chip		Ant.	4: Pattern
Antenna Gain [®]	Frequency range Ant. 1 Ant. 2 Ant. 3 Ant. 4 5 150 Mb ~ 5 250 Mb 6.46 dB i 6.43 dB i 2.20 dB i 5.00 dB 5 250 Mb ~ 5 350 Mb 5.73 dB i 5.84 dB i 2.20 dB i 5.00 dB 5 470 Mb ~ 5 725 Mb 6.86 dB i 5.21 dB i 1.90 dB i 5.00 dB			Ant. 4 5.00 dB i 5.00 dB i 5.00 dB i 5.00 dB i			
H/W Version	Rev. C3						
S/W Version	v010.038.045						
FVIN	N/A						



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 5 of 18

1.5. Declaration by the Manufacturer

- The EUT has four ports (Port1, Port 2, Port 3 and Port 4).
- WLAN 5G transmits both SISO and MIMO mode.
- The EUT is a slave without radar detection.
- The EUT is not supported TDWR(5.6 5.65 @b) band.

1.6. Test Equipment List

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Interval	Cal. Due
Signal Generator	R&S	SMBV100A	255834	Dec. 01, 2023	Annual	Dec. 01, 2024
Spectrum Analyzer	R&S	FSV30	103453	Oct. 31, 2023	Annual	Oct. 31, 2024
Attenuator	Mini-Circuits	BW-N20W5+	0950-3	May 13, 2024	Annual	May 13, 2025
Power Splitter	Mini-Circuits	ZFSC-2-10G	001	May 23, 2024	Annual	May 23, 2025
Power Splitter	Mini-Circuits	ZFSC-2-10G	002	May 23, 2024	Annual	May 23, 2025
DC Power Supply	R&S	HMP2020	022802107	Oct. 31, 2023	Annual	Oct. 31, 2024

▶ Support Equipment

Description	Manufacturer	Model	FCC ID
Access Point	Aerohive networks Inc.	AP650X	WBV-AP650X
Notebook	Dell Inc.	Latitude E6320	-

Note;

For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 6 of 18

1.7. Summary of Test Result

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15 Subpart E, IC RSS-247 Issue 3					
Section in FCC	Section in IC Test Item Result				
15.407(h)	RSS-247 Issue 3 6.3	DFS -Channel closing transmission time -Channel move time -Non occupied period	Complied		

1.8. Test Report Revision

Revision	Report Number	Date of Issue	Description
0	F690501-RF-RTL005386	2024.08.30	Initial

1.9. Description of Variant Models

Model Names	*Installation capability on PCB	GNSS	WiFi / BLE	Backup Battery	Model Remark	
TFBMEIBN3EU	0	0	0	0	Basic Model	
TFBMNINN0EN	X	0	0	Χ	Variant Model	
TFBMEIBN3FR	0	0	0	0		

^{*}Cellular Antennas are mounted on TFBMEIBN3EU, TFBMNINN0EN, TFBMEIBN3FR

O: Popped X: De-Popped

Note;

All test items performed with basic model



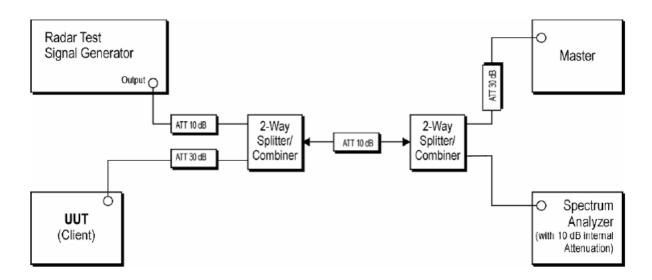
4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 7 of 18

2. DFS (Dynamic Frequency Selection)

2.1. System Overview

2.1.1. Set up of EUT



The radar signal generation equipment consists of a vector signal generator

The signal monitoring equipment consists of a spectrum analyzer set to display 8 001 bins on the horizontal axis. The time domain resolution is 2 msec/bin with a 16 second sweep time, meeting the 10 second short pulse reporting criteria. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

The Slave is tested separately for compliance with the Channel Shutdown requirements, for the situation when the Slave device vacates the channel in response to detection of a radar by the Master.

All tests were performed at a channel center frequency of 5 290 Nb and 5 530 Nb. Measurements were performed using conducted test methods.



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 8 of 18

2.2. Limit

§15.407(h) and FCC 06-96 APPENDIX "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVCIES OPERATING IN THE 5 250-5 350 Mb AND 5 470-5 725 Mb BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION

RSS-247 Issue 2, 6.3 AND FCC 06-96 APPENDIX "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVCIES OPERATING IN THE 5 250-5 350 Mb AND 5 470-5 725 Mb BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION"

Industry Canada requires the use of either the FCC KDB Procedure 905462 or the procedure in the ETSI EN 301 893 for demonstrating compliance with the DFS radar detection requirements set out in this section.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

	Operational Mode			
Requirement	Master	Client Without Radar Detection	Client With Radar Detection	
Non-Occupancy Period	Yes	Not required	Yes	
DFS Detection Threshold	Yes	Not required	Yes	
Channel Availability Check Time	Yes	Not required	Not required	
U-NII Detection Bandwidth	Yes	Not required	Yes	

Table 2: Applicability of DFS requirements during normal operation

	Operational Mode			
Requirement	Master Device or Client with	Client Without Rader		
	Radar Detection	Detection		
DFS Detection Threshold	Yes	Not required		
Channel Closing Transmission Time	Yes	Yes		
Channel Move Time	Yes	Yes		
U-NII Detection Bandwidth	Yes	Not required		



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 9 of 18

Additional requirement for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Rader Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BT modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BT mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Note 1, 2, and 3)
EIRP ≥ 200 milliwatt	- 64 dB m
EIRP < 200 milliwatt and	-62 dB m
power spectral density < 10 dB m/MHz	- 02 tab iii
EIRP < 200 milliwatt that do not meet the power spectral	-64 dB m
density requirement	U T CD III

Note 1: This is the level at the input of the receiver assuming a 0 dB i receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

KDB 905462 D02 Client without DFS New Rules v01r02: UNII client devices without radar detection

- The guidance provided in Section 8 (DFS Test Report Guidelines) in the appropriate DFS Test Procedure specified in KDB Publication 905462 D02.
- Test results demonstrating an associated client link is established with the master on a test frequency; if a client device operates in a "listen only" mode to a master without formally "associating" with it the test report must include tests for such modes.
- · The devices must be tested with a master device operating in the same band and operation modes.
- · If two client devices can communicate directly with each other while maintaining an association with a master or if the client operates on a frequency band while "listening" to a master, such modes must be tested with the master device active.
- · The client and DFS-certified master device are associated, and a movie can be streamed as specified in the DFS Order for a non-occupancy period test.
- · The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.
- · An analyzer plot that contains a single 30-minute sweep on the original channel.



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 10 of 18

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
	200 milliseconds + an aggregate of 60
Channel Closing Transmission Time	milliseconds over remaining 10 second period.
	See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100 % of the U-NII 99 % transmission
O-INIT Detection Bandwidth	power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facililate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5 - Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1 428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3 066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	Roundup $ \left\{ \frac{360}{\text{PRI}_{\mu\text{sec}}} \right\} $	60 %	30
2	1-5	150-230	23-29	60 %	30
3	6-10	200-500	16-18	60 %	30
4	11-20	200-500	12-16	60 %	30
Aggregate (Rad	80 %	120			

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.



4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 11 of 18

Table 6 - Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (쌘)	PRI	Number of Pulses per Burst	Number	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1 000- 2 000	1-3	8-20	80 %	30

Table 7 – Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)		Hopping Rate (朏)	Seguence	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70 %	30

KDB 905462 D02 DFS Compliance Procedures New Rules v02 (7.7 Channel Loading)

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

- a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
- b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
- c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.
- d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

2.3. Description of EUT

The EUT operates over the band 2A "5 260 Mb \sim 5 320 Mb (11a/n_HT20, 11ac_VHT20, 11ax_HE20), 5 270 Mb \sim 5 310 Mb (11n_HT40, 11ac_VHT40, 11ax_HE40), 5 290 Mb (11ac_VHT80, 11ax_HE80)" and band 2C "5 500 Mb \sim 5 720 Mb (11a/n_HT20, 11ac_VHT20, 11ax_HE20),

5 510 Mb ~ 5 710 Mb (11n_HT40, 11ac_VHT40, 11ax_HE40),

5 530 Mb ~ 5 690 Mb (11ac_VHT80, 11ax_HE80)" ranges.

The rated output power of the client unit is < 200 milliwatt.

Therefore the required interference threshold level is -62 $\,\mathrm{dB}\,m.$

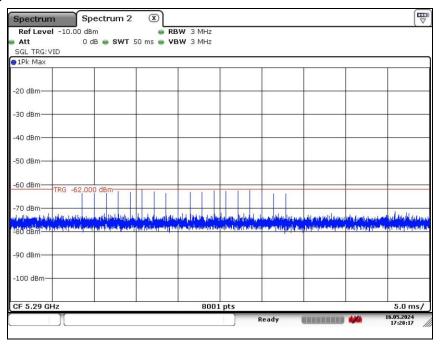


4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

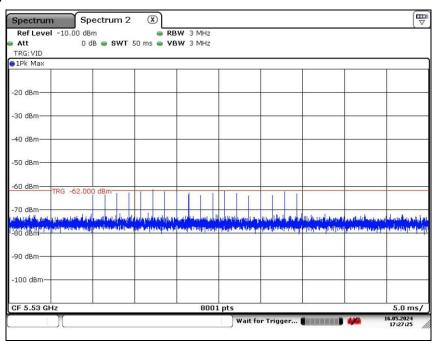
Report Number: F690501-RF-RTL005386 Page: 12 of 18

Plot of radar waveform type 0

5 290 版 (80 版)



5 530 MHz (80 MHz)



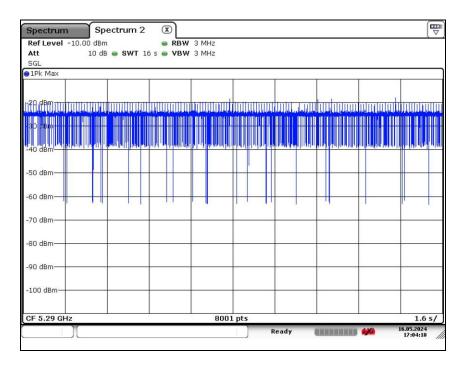


4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

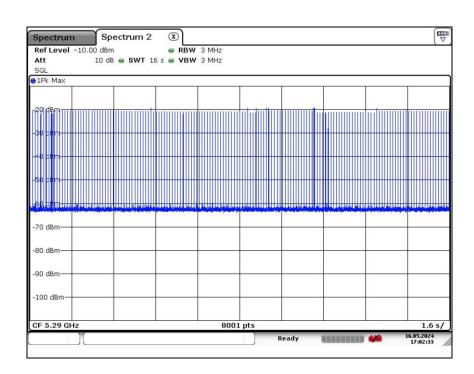
Report Number: F690501-RF-RTL005386 Page: 13 of 18

5 290 Mb (80 Mb)

Plot of LAN traffic



Plot of Non LAN traffic



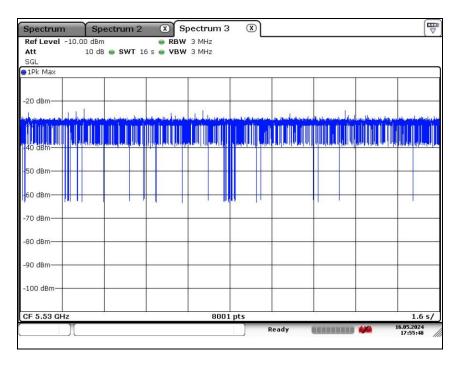


4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

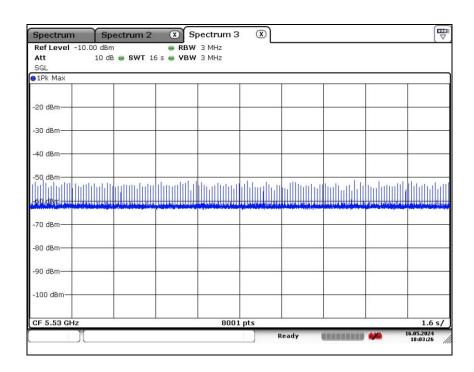
Report Number: F690501-RF-RTL005386 Page: 14 of 18

5 530 MHz (80 MHz)

Plot of LAN traffic



Plot of Non LAN traffic



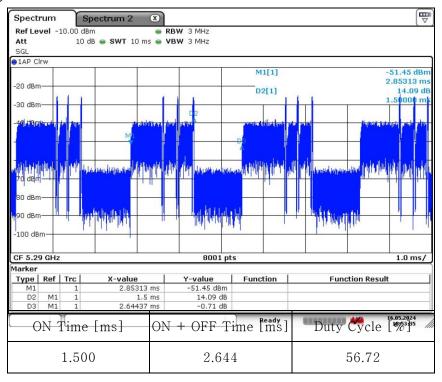


4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

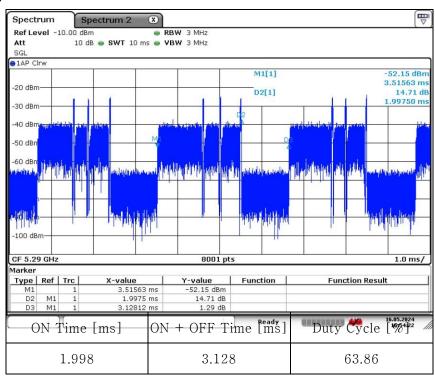
Report Number: F690501-RF-RTL005386 Page: 15 of 18

Channel Loading

5 290 MHz (80 MHz)



5 530 MHz (80 MHz)





4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

Report Number: F690501-RF-RTL005386 Page: 16 of 18

The reference maker is set after 200 ms from the end of Last radar pulse.

The delta is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel closing transmission time within the 10 sec form the end of Last radar pulse.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission)*(dwell time per bin)

The observation period over which the aggregated time is calculated begins at (delta Maker) and ends no earlier than (Reference Maker +10 sec)

2.4. Test Result

Frequency (썐)	Channel Move Time (sec)	Limit	
5 290	0.308	Not exceed 10 sec	
5 530	0.488	Not exceed to sec	
Frequency (썐)	Aggregate channel closing transmission time (msec)	Limit	
5 290	2	Not exceed 60 msec	
5 530	6	- INOL EXCEPT OF HISEC	

Aggregate channel closing transmission time

[16s (sweep time) / 8 001 (sweep point)] x The number of channel bin from 200 ms at the end of radar pulse.

5 290 MHz: $(16/8001) \times 1 = 2$ ms 5 530 MHz: $(16/8001) \times 3 = 6$ ms

Frequency (쌘)	Non-occupancy period (min)	Limit	
5 290	Above 30	Not be less than 30 minute	
5 530	Above 30	1 INOLDE less than 30 minute	

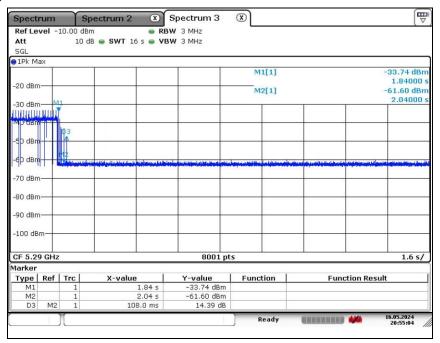


4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

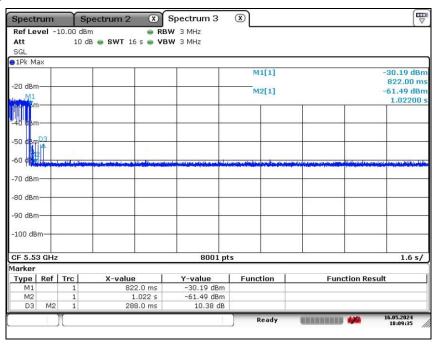
Report Number: F690501-RF-RTL005386 Page: 17 of 18

Plot of channel move time & aggregate channel closing transmission time

5 290 MHz (80 MHz)



5 530 MHz (80 MHz)



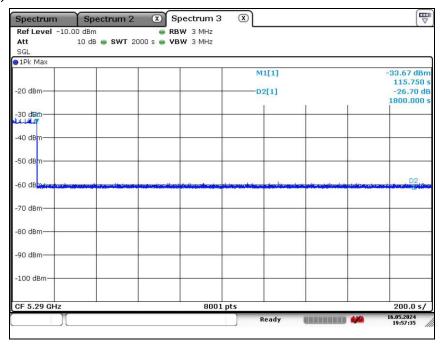


4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 Tel. +82 31 428 5700 / Fax. +82 31 427 2370 http://www.sgsgroup.kr

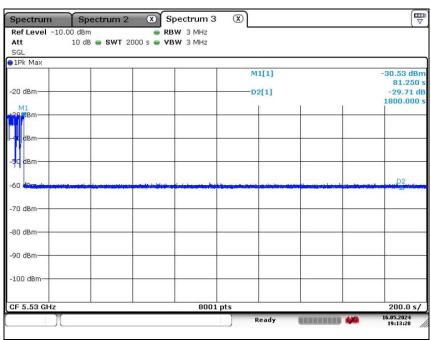
Report Number: F690501-RF-RTL005386 Page: 18 of 18

Plot of Non-occupancy period

5 290 MHz (80 MHz)



5 530 MHz (80 MHz)



- End of the Test Report -