



FCC RADIO TEST REPORT

FCC ID : PY7-58237R
Equipment : GSM/WCDMA/LTE Phone with BT, DTS/UNII
a/b/g/n/ac, NFC, FM receiver and GNSS
Brand Name : SONY
Applicant : Sony Corporation
1-7-1 Konan Minato-ku Tokyo, 108-0076 Japan
Manufacturer : Sony Corporation
1-7-1 Konan Minato-ku Tokyo, 108-0076 Japan
Standard : FCC Part 15 Subpart E §15.407
Test Date(s) : Feb. 06, 2022 ~ Feb. 09, 2022

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

Approved by: Alex Wang / Manager



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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History of this test report

Report No.	Version	Description	Issued Date
FR1D0404F	01	Initial issue of report	Mar. 02, 2022
FR1D0404F	02	Updated test mode description in section 3.3 spot check table	Mar. 07, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.403(i)	6dB & 26dB Bandwidth	-	See Note
-	2.1049	99% Occupied Bandwidth	-	See Note
4.1	15.407(a)	Maximum Conducted Output Power	Pass	-
-	15.407(a)	Power Spectral Density	-	See Note
4.2	15.407(b)	Unwanted Emissions	Pass	Under limit 11 dB at 5925.600 MHz
-	15.207	AC Conducted Emission	-	See Note
-	15.407(c)	Automatically Discontinue Transmission	-	See Note
4.3	15.203 15.407(a)	Antenna Requirement	Pass	-

Note: Refer to information of Section 3 Spot Check Evaluation.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, NFC, FM Receiver and GNSS.

Product Specification subjective to this standard	
Antenna Type / Gain	For Ant 6: PIFA Antenna with gain 1.3 dBi For Ant 7: PIFA Antenna with gain -0.7 dBi

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-KS 03CH06-KS	CN1257	314309

1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (1GHz to the 10th harmonic). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane as worst plane. The worst case position of the EUT was investigated under two configurations: EUT with AC adapter and earphone, EUT with standalone. The EUT with standalone configuration was determined to be worst-case configurations; therefore, all final tests were performed on the EUT with standalone.

2.1 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	6 Mbps

2.2 Connection Diagram of Test System



2.3 EUT Operation Test Setup

The RF test items, utility “FTM” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



3 Spot Check Evaluation

3.1 Introduction Section

This application for certification is leveraging the data reuse procedures from KDB 484596 D01 based on reference FCC ID PY7-34943G/ PY7-81713C to cover variant model FCC ID PY7-58237R (this model). The major difference between the parent/reference model and the variant model are NFC chipset change and the difference bands supported on cellular circuits. All other circuitry and features are identical.

For details, please refer to Theory of operation Appendix B.

Sony Corporation takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID.

3.2 Difference Section

Difference between PY7-34943G (lead) and PY7-58237R (this model):

Sony Corporation, hereby declares the differences between PY7-34943G (lead) and PY7-58237R (this model) are related only to the cellular part and NFC, other functions are not affected. Therefore the WLAN and Bluetooth report/data of PY7-34943G (lead) may represent for PY7-58237R (this model).

3.3 Spot Check Verification Data Section

Conducted power test and radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing and the verification test results similar to the original FCC ID. All tests meet FCC technical limits. Detail spot check test result can be found in the variant model report, please refer to the detail section table in section 3.4.

Summary of the spot check:

Test Item	Mode	PY7-34943G Worst Result	PY7-58237R Worst Result	Difference (dB)
Average Conducted Power (dBm)	HT40 CH159	10.66	10.44	0.22
Radiated Spurious Emission (dBuV/m) @ 3m	11a CH165	57.35	57.3	0.05

3.4 Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Original FCC ID	Original Report	Variant Model FCC ID	Variant Model Report
15E	U-NII-3	Wi-Fi	5725~5850	PY7-34943G	Part 15E (FR1D0310F)	PY7-58237R	Part 15E (FR1D0404F)

4 Test Result

4.1 Maximum Conducted Output Power Measurement

4.1.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 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, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.1.2 Measuring Instruments

See list of measuring equipment of this test report.

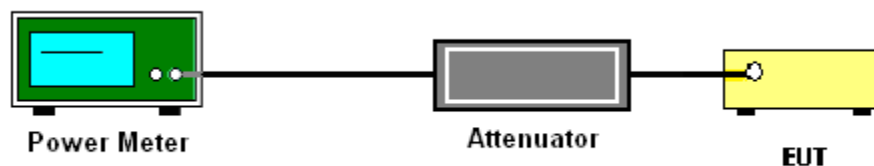
4.1.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.

4.1.4 Test Setup



4.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

4.2 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

4.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

- (3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

4.2.2 Measuring Instruments

See list of measuring equipment of this test report.

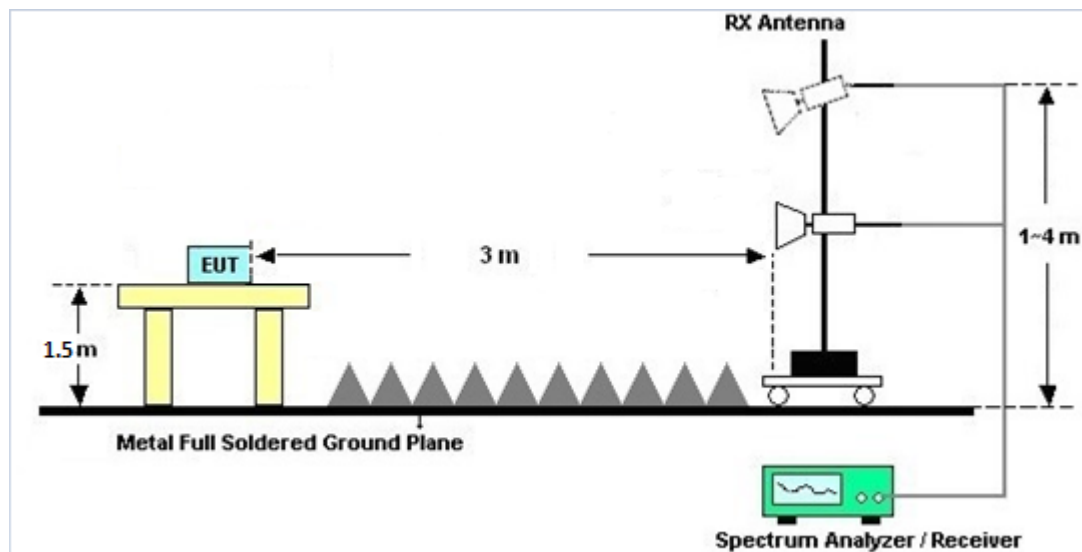
4.2.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW \geq 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1 GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.

7. For testing above 1 GHz, the emission level of the EUT in peak mode was 20 dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

4.2.4 Test Setup

For radiated test from 1GHz to 18GHz



4.2.5 Test Result of Radiated Spurious Emission

Please refer to Appendix B and C.

4.2.6 Duty Cycle

Please refer to Appendix D.

4.3 Antenna Requirements

4.3.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.3.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4.3.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 6 (dBi)	Ant. 7 (dBi)				
Band IV	1.30	-0.70	1.30	3.37	0.00	0.00

Power Limit Reduction = $DG(\text{Power}) - 6\text{dBi}$, (min = 0)

PSD Limit Reduction = $DG(\text{PSD}) - 6\text{dBi}$, (min = 0)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 05, 2022	Feb. 09, 2022	Jan. 04, 2023	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 05, 2022	Feb. 09, 2022	Jan. 04, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz	Apr. 12, 2021	Feb. 06, 2022	Apr. 11, 2022	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 25, 2021	Feb. 06, 2022	Apr. 24, 2022	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101093	18GHz~40GHz	Jan. 05, 2022	Feb. 06, 2022	Jan. 04, 2023	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-0010 1800-30-10P	2025788	1Ghz-18Ghz	Jul. 30, 2021	Feb. 06, 2022	Jul. 29, 2022	Radiation (03CH06-KS)
Amplifier	MITEQ	EM18G40GG A	060728	18~40GHz	Jan. 05, 2022	Feb. 06, 2022	Jan. 04, 2023	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F1040900 04	N/A	NCR	Feb. 06, 2022	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 06, 2022	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Feb. 06, 2022	NCR	Radiation (03CH06-KS)

NCR: No Calibration Required



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Appendix A. Conducted Test Results

Test Engineer:	Jack Fan	Temperature:	21~25	°C
Test Date:	2022/2/9	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

U-NII-3															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 6	Ant 7	Ant 6	Ant 7	SUM	Ant 6	Ant 7	Ant 6	Ant 7		
11a	6Mbps	2	149	5745			7.32	6.93	10.14	30.00		1.30		Pass	
11a	6Mbps	2	157	5785			7.52	6.98	10.27	30.00		1.30		Pass	
11a	6Mbps	2	165	5825			7.38	6.79	10.11	30.00		1.30		Pass	
HT20	MCS0	2	149	5745			7.33	6.83	10.10	30.00		1.30		Pass	
HT20	MCS0	2	157	5785			7.47	7.09	10.29	30.00		1.30		Pass	
HT20	MCS0	2	165	5825			7.42	7.07	10.26	30.00		1.30		Pass	
HT40	MCS0	2	151	5755	0.16	0.16	7.52	7.02	10.29	30.00		1.30		Pass	
HT40	MCS0	2	159	5795	0.16	0.16	7.65	7.20	10.44	30.00		1.30		Pass	
VHT20	MCS0	2	149	5745			7.38	6.90	10.16	30.00		1.30		Pass	
VHT20	MCS0	2	157	5785			7.54	7.16	10.36	30.00		1.30		Pass	
VHT20	MCS0	2	165	5825			7.49	7.15	10.33	30.00		1.30		Pass	
VHT40	MCS0	2	151	5755	0.16	0.16	7.51	6.92	10.24	30.00		1.30		Pass	
VHT40	MCS0	2	159	5795	0.16	0.16	7.62	7.16	10.41	30.00		1.30		Pass	
VHT80	MCS0	2	155	5775	0.31	0.33	7.61	7.10	10.37	30.00		1.30		Pass	



Appendix B. Radiated Spurious Emission

Test Engineer :	Henry Li	Temperature :	22~23°C
		Relative Humidity :	41~42%

UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
6+7		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz		5850	55.16	-67.14	122.3	39.93	35.8	11.36	31.93	126	14	P	H
		5858.8	55.9	-53.93	109.83	40.67	35.8	11.38	31.95	126	14	P	H
		5876.8	56.1	-47.86	103.96	40.87	35.79	11.39	31.95	126	14	P	H
		5925.6	57.3	-11	68.3	42.07	35.78	11.44	31.99	126	14	P	H
		5824	97.03	-	-	81.88	35.75	11.35	31.95	126	14	P	H
		5824	89.5	-	-	74.35	35.75	11.35	31.95	126	14	A	H
		5850	55.11	-67.19	122.3	39.88	35.8	11.36	31.93	115	0	P	V
		5860	55.49	-54.01	109.5	40.27	35.79	11.38	31.95	115	0	P	V
		5900.8	56.34	-29.83	86.17	41.12	35.78	11.41	31.97	115	0	P	V
		5985.6	56.73	-11.57	68.3	41.55	35.75	11.48	32.05	115	0	P	V
		5824	96.1	-	-	80.95	35.75	11.35	31.95	115	0	P	V
		5824	88.99	-	-	73.84	35.75	11.35	31.95	115	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 6+7	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a		11653	46.72	-27.28	74	51.84	38.73	16.47	60.32	300	0	P	H
CH 165 5825MHz		11653	46.76	-27.24	74	51.88	38.73	16.47	60.32	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Note symbol**

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Over Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix C. Radiated Spurious Emission Plots

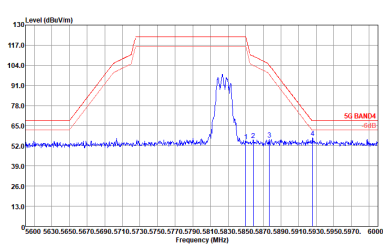
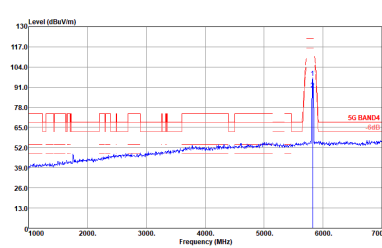
Note symbol

-L	Low channel location
-R	High channel location

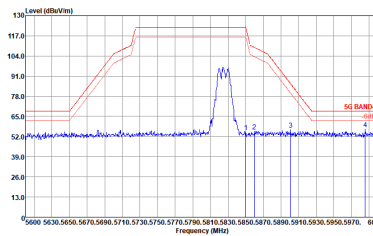
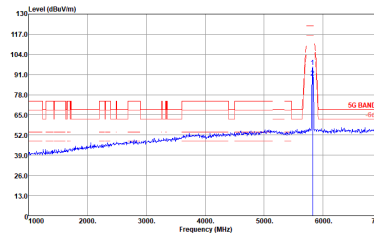


UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																									
ANT	802.11a CH165 5825MHz																																																																																																																									
6+7	Horizontal	Fundamental																																																																																																																								
Peak	<div><p>Site Condition : 030805-KS SG BAND4 3m 3117 SN 00218642 HORIZONTAL RSM 1000 00000u VSW 3000 00000u SRT Auto</p><table><tr><th></th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Poss</th><th>T/Poss</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5805.00</td><td>55.16</td><td>-67</td><td>122.30</td><td>29.93</td><td>35.80</td><td>11.35</td><td>31.95</td><td>126</td><td>14 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5806.80</td><td>55.90</td><td>-63.97</td><td>109.83</td><td>40.67</td><td>35.80</td><td>11.35</td><td>31.95</td><td>126</td><td>14 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5816.80</td><td>56.10</td><td>-67.86</td><td>109.76</td><td>40.87</td><td>35.79</td><td>11.35</td><td>31.95</td><td>126</td><td>14 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5925.60</td><td>57.30</td><td>-11.00</td><td>68.30</td><td>42.07</td><td>35.78</td><td>11.64</td><td>31.99</td><td>126</td><td>14 Peak</td><td>HORIZONTAL</td></tr></table></div>		Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Poss	T/Poss	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	dB	cm	deg	1	5805.00	55.16	-67	122.30	29.93	35.80	11.35	31.95	126	14 Peak	HORIZONTAL	2	5806.80	55.90	-63.97	109.83	40.67	35.80	11.35	31.95	126	14 Peak	HORIZONTAL	3	5816.80	56.10	-67.86	109.76	40.87	35.79	11.35	31.95	126	14 Peak	HORIZONTAL	4	5925.60	57.30	-11.00	68.30	42.07	35.78	11.64	31.99	126	14 Peak	HORIZONTAL	<div><p>Site Condition : 030805-KS SG BAND4 3m 3117 SN 00218642 HORIZONTAL RSM 1000 00000u VSW 3000 00000u SRT Auto</p><table><tr><th></th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Poss</th><th>T/Poss</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5824.00</td><td>97.02</td><td>-25.27</td><td>122.30</td><td>81.88</td><td>35.75</td><td>11.35</td><td>31.95</td><td>126</td><td>14 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5824.00</td><td>89.50</td><td></td><td></td><td>74.25</td><td>35.75</td><td>11.35</td><td>31.95</td><td>126</td><td>14 Average</td><td>HORIZONTAL</td></tr></table></div>		Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Poss	T/Poss	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	dB	cm	deg	1	5824.00	97.02	-25.27	122.30	81.88	35.75	11.35	31.95	126	14 Peak	HORIZONTAL	2	5824.00	89.50			74.25	35.75	11.35	31.95	126	14 Average	HORIZONTAL
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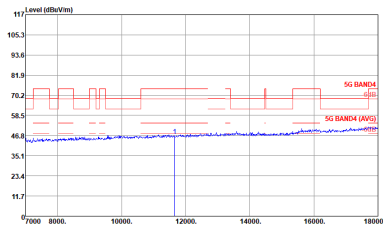
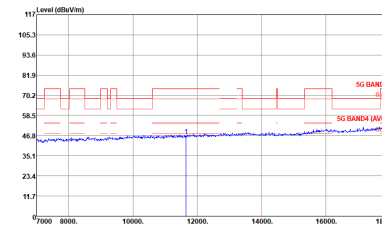


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																									
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UNII-3 - 5725~5850MHz

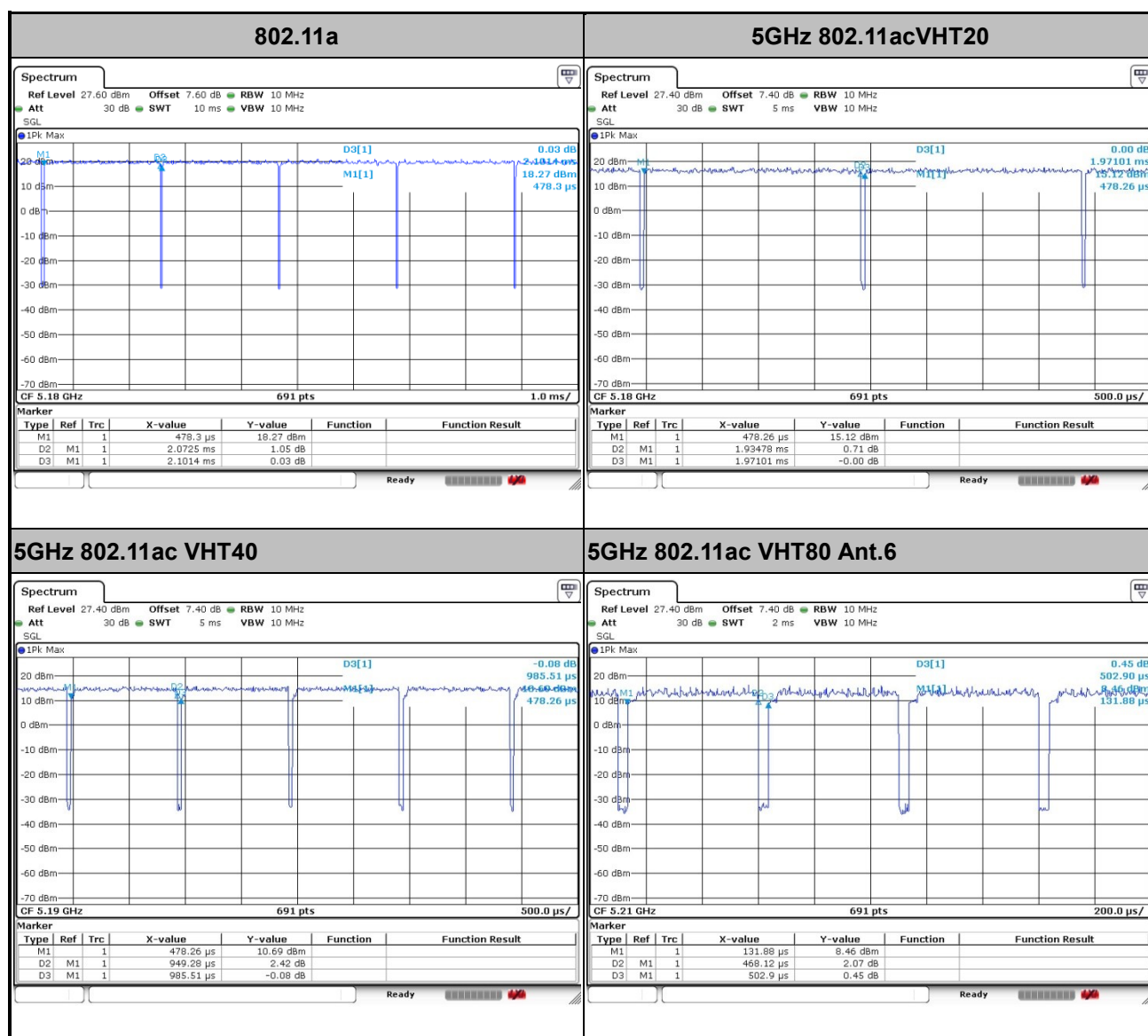
WIFI 802.11a (Harmonic @ 3m)

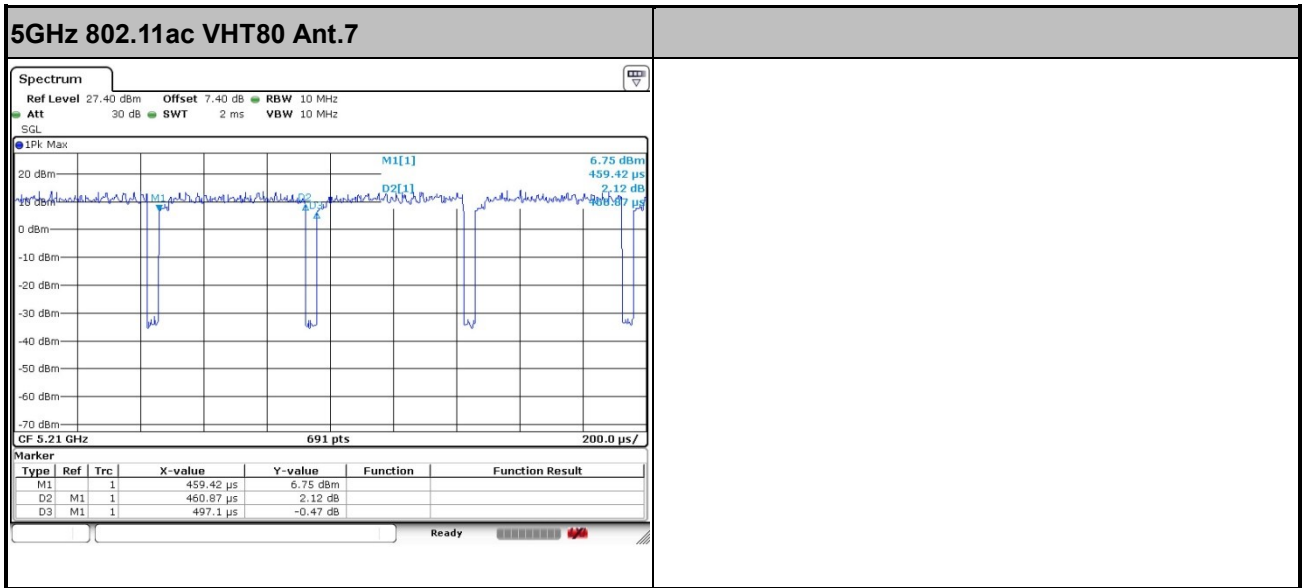
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Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting	Duty Factor
WLAN 5GHz 802.11a	98.62	-	-	10Hz	-
5GHz 802.11n/ac HT20/VHT20	98.16	-	-	10Hz	-
5GHz 802.11n/ac HT40/VHT40	96.32	0.949	1.053	1.1KHz	0.16
5GHz 802.11ac VHT80 Ant.6	93.08	0.468	2.136	2.2KHz	0.31
5GHz 802.11ac VHT80 Ant.7	92.71	0.460	2.169	2.2KHz	0.33





————THE END————