TEST REPORT

Applicant:	Sony Corporation
EUT Description:	GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac/ax and NFC and GNSS
Brand:	Sony
FCC ID:	PY7-35087R
Standards:	FCC 47 CFR Part 15 Subpart C
Date of Receipt:	2025/03/07
Date of Test:	2025/03/07 to 2025/05/19 (FCC ID: PY7-63277Y (Lead Model)) 2025/03/07 to 2025/05/28 (FCC ID: PY7-35087R (This Model))
Date of Issue:	2025/05/28

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.

ACCREDITED
CERTIFICATE #7088.01

Huang Kun
Approved By:

Chen Chengfu
Reviewed By:

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Revision History

Rev.	Issue Date	Description	Revised by
01	2025/05/28	Original	Chen Chengfu

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Summary of Test Results

Clause	FCC Part	Test Items	Result
4.1	§15.203/15.247(b)	Antenna Requirement	PASS
4.2	§15.207	AC Power Line Conducted Emission	PASS
4.3	§15.247 (b)(3)	Output Power	PASS*
4.4	§15.247 (a)(2)	Occupied Bandwidth	Reporting purposes only
4.5	§15.247 (e)	Power Spectral Density	PASS
4.6	§15.247(d)	Band Edge for Conducted Emissions	PASS
4.7	§15.247(d)	Spurious RF Conducted Emissions	PASS
4.8	§15.205 §15.209	Radiated Spurious emissions and Band Edge	PASS*

Test Method: ANSI C63.10:2020, KDB 558074 D01 15.247 Mesa Guidance v05r02.
Remark:
Pass: Refers to FCC ID: PY7-63277Y (Lead Model) data.
PASS*: There is FCC ID: PY7-35087R (This Model) spot check data.

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1 General Description

1.1 Lab Information

1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014
Tel.: +86-755-27212361
Contact Email: info@towewireless.com

1.1.2 Test Facility / Accreditations

A2LA (Certificate Number: 7088.01)
This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353
Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1353.

ISED CAB identifier: CN0152
Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing laboratory.
CAB identifier: CN0152
Company Number: 31000

1.2 Client Information

1.2.1 Applicant

Applicant:	Sony Corporation
Address:	1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan

1.2.2 Manufacturer

Manufacturer:	Sony Corporation
Address:	1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan

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1.3 Product Information

EUT Description:	GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac/ax and NFC and GNSS		
Brand:	Sony		
Hardware Version:	A		
Software Version:	0.144 (for RF Conducted, Lead Model) 0.166 (for RSE & AC power line, Lead Model) 0.150 (for RF Conducted & RSE, This Model)		
SN.:	RF Conducted	HQ652G00BA (Lead Model)	
	RSE & AC power line	HQ652D0088 (Lead Model)	
	RF Conducted & RSE	HQ654A02C0 (This Model)	
Support Mode:	☒LE 1M PHY:1Mbps	☒LE 2M PHY:2Mbps	
	☒LE Coded PHY(S=2):500Kbps	☒LE Coded PHY(S=8):125Kbps	
Modulation Type:	GFSK		
Frequency Range:	2400 ~ 2483.5MHz		
Channel Frequency:	2402 ~ 2480MHz		
Channel Number:	40		
Antenna Type:	PIFA Antenna		
Antenna Gain:	Ant6 (dBi)	Ant7 (dBi)	
	-3.0	-1.1	
Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description.			

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1.4 Reuse Of Test Data

1.4.1 Introduction

According to the manufacturer the major change between FCC ID: PY7-63277Y (Lead Model), and FCC ID: PY7-35087R (This Model) is changing band configuration by software, The FCC ID: PY7-63277Y (Lead Model) conducted test data shall remain representative of FCC ID: PY7-35087R so, FCC ID: PY7-35087R (This Model) leverages conducted test data from FCC ID: PY7-63277Y (Lead Model).

1.4.2 Device Differences

The equipment under test (EUT) in this filing FCC ID: PY7-35087R (This Model) and the reference device certified under FCC ID: PY7-63277Y (Lead Model) share a common design. The components used for 2.4GHz and 5GHz Wi-Fi and BT and NFC, including antennas and output power are identical between the EUT and reference device.

1.4.3 Spot Check Verification Data

In this filing, the worst-case data and spot checks were tested on the EUT as noted below, against the reference device. All the necessary test cases were performed to verify the variant EUT is still in compliance with the spot checked results to the reference device and was performed using the guidance of ANSI C63.10:2020.

According to 484596 Referencing Test Data v03, Spot checks of the following tests were performed:

Sport check Items	Reference (PY7-63277Y) Worst-case	Variant Test (PY7-35087R)	dB Difference	Spot-Check Parameters	Pass Criterion
Output Power	Peak: 10.007dBm Avg.: 9.359dBm	Peak: 9.761dBm Avg.: 9.207dBm	Peak: d_{dB}=0.246dB Avg.: d_{dB}=0.152dB	C_{dB}=30dBm *Peak:* M_{dB}=| C_{dB} - R_{dB} |=19.993dB *Peak:* $d_{dBmax}(M_{dB})$=4.00dB *Avg.:* M_{dB}=| C_{dB} - R_{dB} |=20.641dB *Avg.:* $d_{dBmax}(M_{dB})$=4.03dB	$d_{dB} < d_{dBmax}(M_{dB})$ Pass
Radiated Spurious Emission	2400-2483.5MHz R_{dB}=46.01dBμV/m	2400-2483.5MHz V_{dB}=46.38dBμV/m	d_{dB}=0.37dB	C_{dB}=54dBμV/m M_{dB}=| C_{dB} - R_{dB} |=7.99dB $d_{dBmax}(M_{dB})$=3.40dB	$d_{dB} < d_{dBmax}(M_{dB})$ Pass
Band Edge for Radiated Spurious emissions	2400-2483.5MHz R_{dB}=37.31dBμV/m	2400-2483.5MHz V_{dB}=35.50dBμV/m	d_{dB}=1.81dB	C_{dB}=54dBμV/m M_{dB}=| C_{dB} - R_{dB} |=16.69dB $d_{dBmax}(M_{dB})$=3.83dB	$d_{dB} < d_{dBmax}(M_{dB})$ Pass

Note:
R_{dB}: is the corresponding reference measurement level in dB for the lead model.
V_{dB}: is the variant spot-check level in dB.
d_{dB}: is the deviation data.
C_{dB}: is the compliance threshold.
M_{dB}: is the margin in dB from the compliance limit.
d_{dBmax}: is the maximum deviation d_{dB}.

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2 Test Configuration

2.1 Test Channel

Operation Frequency of each channel for GFSK							
Channel	**Frequency**	**Channel**	**Frequency**	**Channel**	**Frequency**	**Channel**	**Frequency**
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

Remark:
In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test Channel	Test Frequency
The Lowest channel(CH0)	2402MHz
The Middle channel(CH19)	2440MHz
The Highest channel(CH39)	2480MHz

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2.2 Worst-case configuration and Mode

Modulation Type	LE 1M PHY	LE 2M PHY	LE Coded PHY(S=2)	LE Coded PHY(S=8)
Transmitting mode	Keep the EUT was programmed to be in continuously transmitting mode			
Normal Link	Keep the EUT operation to normal function.			

2.3 Support Unit used in test

The EUT has been tested as an independent unit.

2.4 Test Environment

Temperature:	Normal: 15℃ ~ 35℃
Humidity:	45 ~ 56 % RH Ambient
Voltage:	DC 3.89V
AC Voltage:	AC 120V/60Hz for Conducted Emissions
Remark: The testing environment is within the scope of the EUT user manual and meets the requirements of the standard testing environment.	

2.5 Test RF Cable

For all conducted test items: The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.

2.6 Modifications

No modifications were made during testing.

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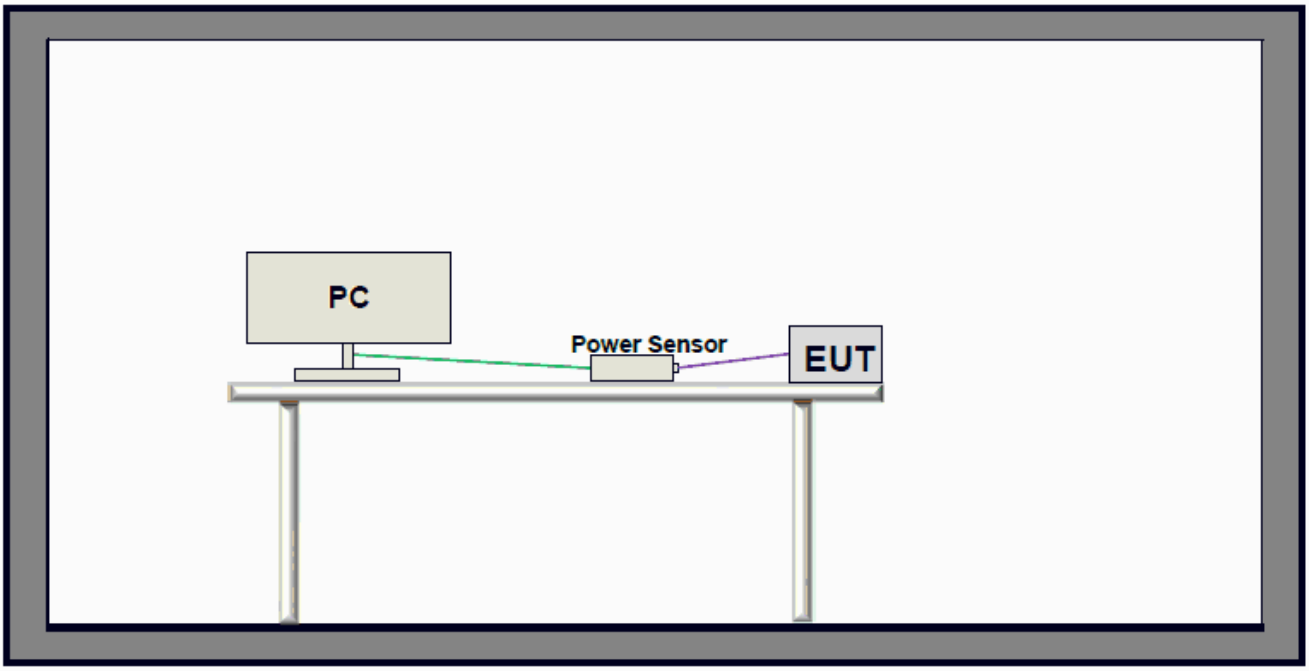
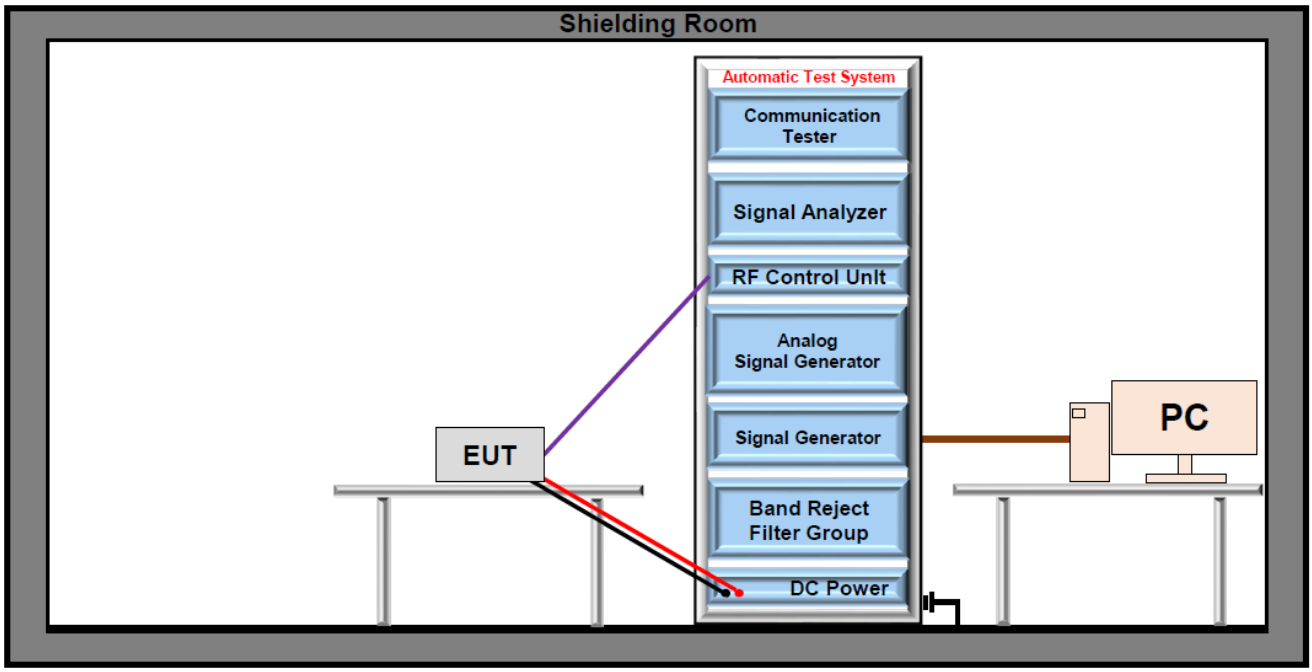
2.7 Test Setup Diagram

2.7.1 Conducted Configuration

Setup 1



Setup 2



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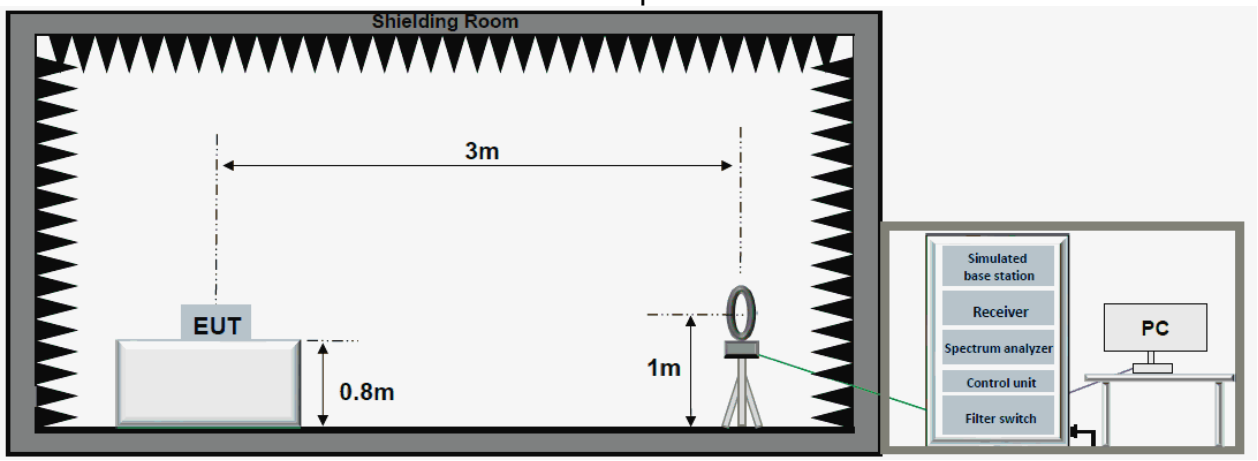
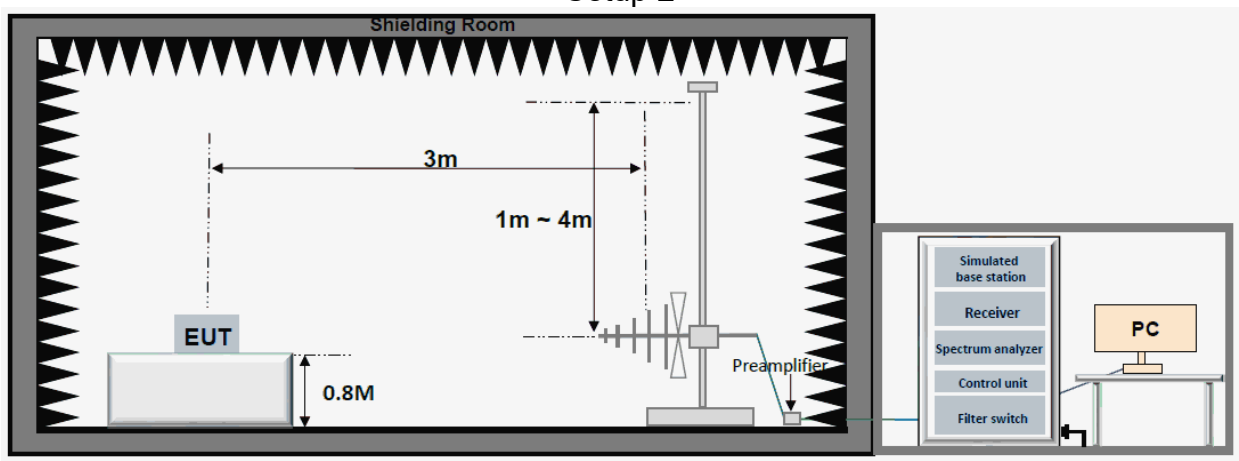
2.7.2 Radiated Configuration

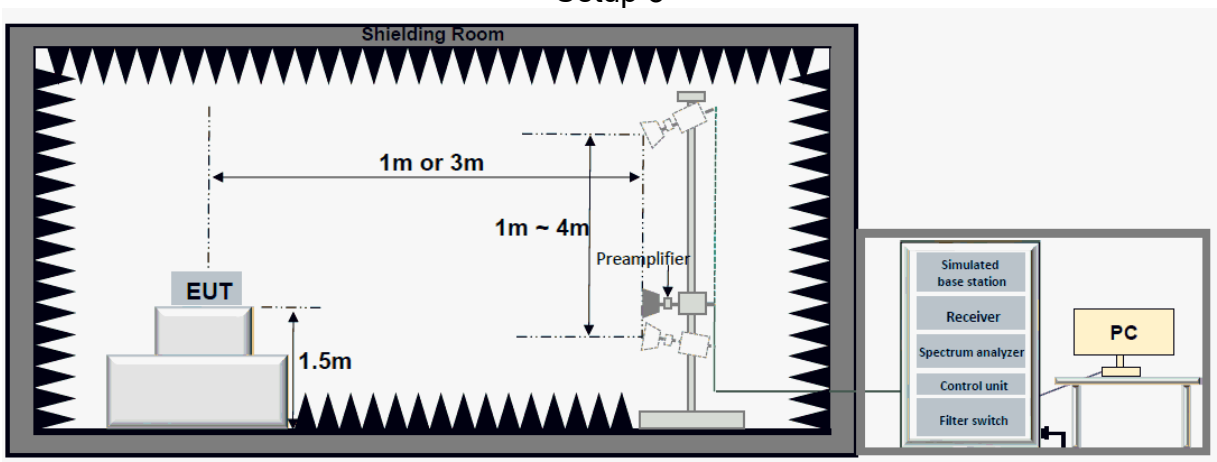
Setup 1



Setup 2



Setup 3



2.8 Accessory

Name	Model	Length (cm)	Shielded (Y/N)	Manufacturer
Adapter	XQZ-UC1	/	/	Sony Corporation
USB Cable	XQZ-UB1	100	Y	Sony Corporation
Earphone	MDR-EX15AP	125	/	Sony Corporation

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3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable to recognized national standards.

3.1 Test Equipment List

RF Conducted					
Description	**Manufacturer**	**Model**	**S.N.**	**Last Due**	**Cal Due**
Signal Analyzer	Keysight	N9020A	US46470429	2024/03/25	2025/03/24
				2025/03/14	2026/03/13
Signal Generator	R&S	SMR20	101027	2024/03/25	2025/03/24
				2025/03/11	2026/03/10
Vector Signal Generator	R&S	SMM100A	549353	2024/05/30	2025/05/29
Power Sensor	Anritsu	MA24408A	12520	2024/05/30	2025/05/29
RF Control Unit	Tonscend	JS0806-2	23C80620671	2024/05/30	2025/05/29
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2024/05/30	2025/05/29
Attenuator	Yin Saige	SMA-10dBm	N/A	N/A	N/A
Measurement Software	Tonscend	TS1120-3	10659	N/A	N/A

Radiated Emission					
Description	**Manufacturer**	**Model**	**S.N.**	**Last Due**	**Cal Due**
Biconic Logarithmic Periodic Antennas	Schwarzbeck	VULB9163	1643	2023/06/25	2025/06/24
Double-Ridged Horn Antennas	Schwarzbeck	BBHA 9120D	2809	2023/06/25	2025/06/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	1290	2023/06/25	2025/06/24
Loop Antenna	Schwarzbeck	FMZB 1519C	1519C-028	2023/06/29	2025/06/28
Signal Analyzer	Keysight	N9020A	MY49100252	2024/03/25	2025/03/24
				2025/03/11	2026/03/10
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2024/05/30	2025/05/29
Wideband Radio Communication Tester	R&S	CMW500	150645	2024/03/25	2025/03/24
				2025/03/11	2026/03/10
Low Noise Amplifier	Tonscend	TAP9K3G40	AP23A8060273	2023/04/08	2025/04/07
				2025/03/11	2027/03/10
Low Noise Amplifier	Tonscend	TAP01018050	AP22G806258	2023/04/08	2025/04/07
				2025/03/11	2027/03/10
Low Noise Amplifier	Tonscend	TAP18040048	AP22G806247	2023/04/08	2025/04/07
				2025/03/11	2027/03/10
Hygrometer	BINGYU	HTC-1	N/A	2023/06/01	2025/05/31
Band Reject Filter Group	Townshend	JS0806-F	23A806F0652	N/A	N/A
Test Software	Tonscend	TS+	Version: 5.0.0	N/A	N/A

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Conducted Emission					
Description	**Manufacturer**	**Model**	**S.N.**	**Last Due**	**Cal Due**
EMI Tester Receiver	Rohde & Schwarz	ESR3	103108	2024/05/31	2025/05/30
LISN	Rohde & Schwarz	ENV 216	102836	2025/01/04	2026/01/03
Test software	Rohde & Schwarz	ELEKTRA V4.61	N/A	N/A	N/A

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3.2 Measurement Uncertainty

Parameter	U_{lab}
Frequency Error	679.98Hz
Output Power	0.76dB
Conducted Spurious Emissions	2.22dB
Conducted Emissions(150kHz~30MHz)	2.43dB
Radiated Emissions(9kHz~30MHz)	2.40dB
Radiated Emissions(30MHz~1000MHz)	4.66dB
Radiated Emissions(1GHz~18GHz)	5.42dB
Radiated Emissions(18GHz~40GHz)	5.46dB

Uncertainty figures are valid to a confidence level of 95%

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4 Test Results

4.1 Antenna Requirement

Standard Applicable:	47 CFR Part 15C Section 15.203 /247(b)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
The antenna gain and type as provided by the manufacturer are as follows: The antenna Type is PIFA Antenna. With Antenna gain is -3.0(Ant6); -1.1(Ant7); Antenna Anti-Replacement Construction: An embedded-in antenna design is used.	

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4.2 AC Power Line Conducted Emissions

Limits

Frequency range (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
* Decreases with the logarithm of the frequency.		

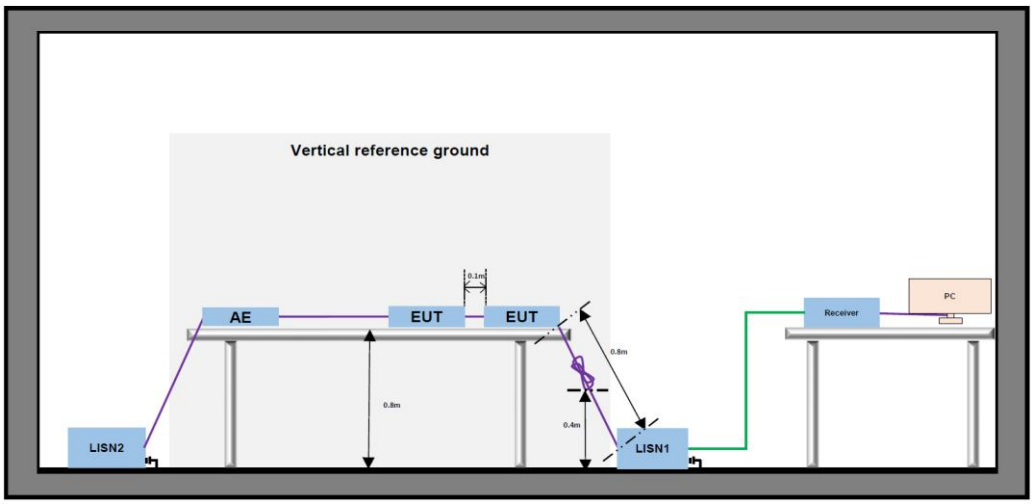
Test Procedure

ANSI C63.10:2020, Section 6.2.

Test Settings

1. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
3. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
4. The receiver is set to a resolution bandwidth of 9kHz. Peak detection s used netless otherwise noted as quasi-peak or average.
5. AC Power Line Conducted Emissions, the channel with the highest output power was tested.
6. Both sides of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Test Setup



Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

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Test Result:

Test mode:	BLE		
Test Voltage:	AC 120V / 60Hz	Phase:	Line

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	54.17	66.00	11.83	23.04	56.00	32.96	9.57	L1
2	0.164	53.25	65.28	12.03	24.48	55.28	30.80	9.50	L1
3	0.177	52.34	64.63	12.29	20.73	54.63	33.90	9.49	L1
4	0.200	50.69	63.63	12.94	20.75	53.63	32.88	9.52	L1
5	1.977	31.82	56.00	24.18	17.77	46.00	28.23	9.99	L1
6	13.659	25.09	60.00	34.91	14.28	50.00	35.72	11.84	L1

Note:
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Margin[dB] = Limit[dBµV] - Level[dBµV]

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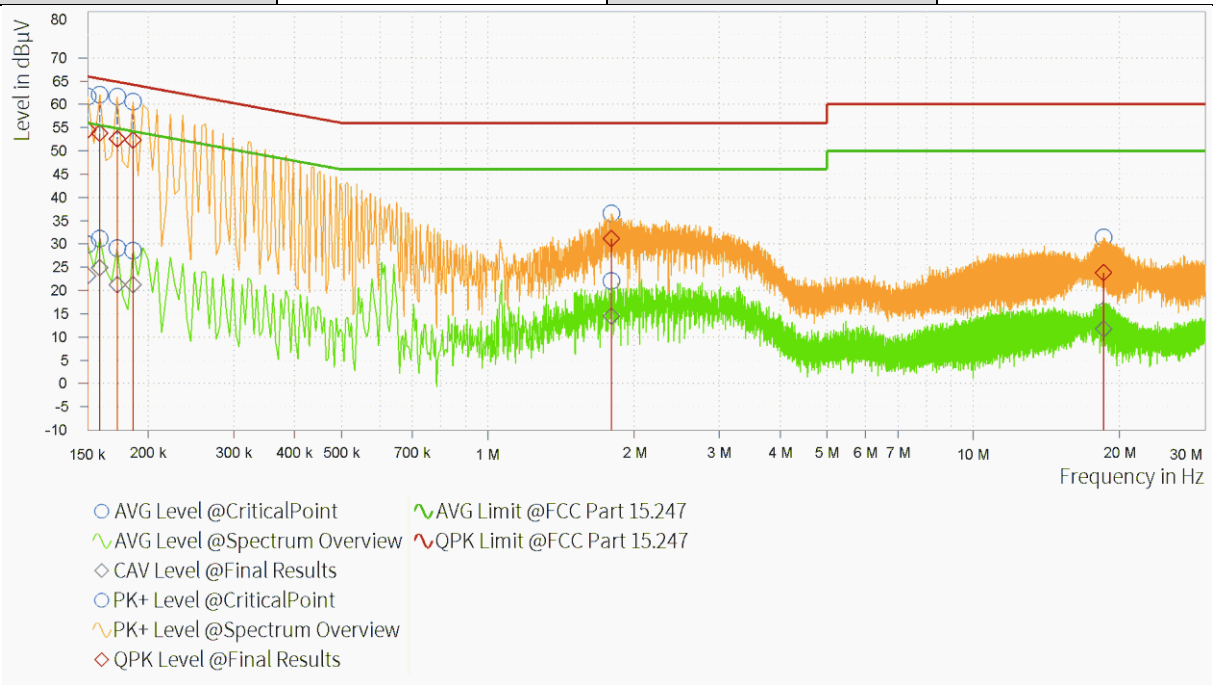
Test mode:	BLE		
Test Voltage:	AC 120V / 60Hz	Phase:	Neutral



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line
1	0.150	54.45	66.00	11.55	23.18	56.00	32.82	9.63	N
2	0.159	53.82	65.52	11.70	24.84	55.52	30.68	9.63	N
3	0.173	52.64	64.84	12.20	21.23	54.84	33.61	9.64	N
4	0.186	52.25	64.21	11.96	21.27	54.21	32.94	9.67	N
5	1.797	31.11	56.00	24.89	14.42	46.00	31.58	9.95	N
6	18.569	23.74	60.00	36.26	11.74	50.00	38.26	12.63	N

Note:
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Margin[dB] = Limit[dBµV] - Level[dBµV]

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4.3 Output Power

Limits

If With directional antenna gains less than 6 dBi, the limit is 30dBm.

Test Procedure

ANSI C63.10:2020 Section 11.9.1.2(PKPM1) or 11.9.2.3.2(AVGPM-G)

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The power output was measured on the EUT antenna port using RF Cable with attenuator connected to a power meter via wideband power sensor. Peak output power was read directly from power meter.
3. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1- Setup 1 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

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4.4 Occupied Bandwidth

Limits

DTSBW: The minimum 6 dB bandwidth shall be at least 500 kHz.
99%BW: None, for reporting purposes only.

Test Procedure

ANSI C63.10:2020 Section 11.8.2 and 6.9.3

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. RBW = 100kHz(DTS)
4. RBW = 1% - 5%(99%BW)
5. VBW = 3 times the RBW
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report.

Test Notes

DTS: The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X= 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

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4.5 Power Spectral Density

Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Test Procedure

ANSI C63.10:2020 Section 11.10.2(PKPSD)

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously
2. The transmitter output is connected to a spectrum analyzer
3. 3kHz ≤ RBW ≤ 100 kHz
   (If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.)
4. VBW ≥ 3 times RBW
5. Span = 1.5 times the DTS bandwidth
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

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4.6 Band Edge for Conducted Emissions

Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated. intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph 15.247(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Test Procedure

ANSI C63.10:2020 Section 11.11.3

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously
2. The transmitter output is connected to a spectrum analyzer
3. RBW = 100kHz
4. VBW = 300kHz
5. Point ≥ 2 x span/RBW
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

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4.7 Spurious RF Conducted Emissions

Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated. intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph 15.247(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Test Procedure

ANSI C63.10:2020 Section 11.11.3

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. Activate frequency hopping function if necessary.
3. The transmitter output is connected to a spectrum analyzer
4. The spectrum from 30MHz - 26.5GHz
5. RBW = 100kHz
6. VBW = 300kHz
7. Sweep = Auto
8. Detector = Peak
9. Trace = Max hold
10. The trace was allowed to stabilize
11. Measure and record the results in the test report

Test Setup

Refer to section 2.7.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

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4.8 Radiated Spurious Emissions and Band Edge

Limits

Spurious emissions are permitted in an of the frequency bands:

MHz	MHz	MHz	MHz	GHz	GHz
0.090 - 0.110	12.29 - 12.293	149.9 - 150.05	1660 - 1710	4.5 - 5.15	14.47 - 14.5
0.495 - 0.505	12.51975 - 1252025	156.52475 - 156.52525	1718.8 - 1722.2	5.35 - 5.46	15.35 - 16.2
2.1735 - 2.1905	12.5767 - 12.57725	156.7 - 156.9	2200 - 2300	7.25 - 7.75	17.7 - 21.4
4.125 - 128	13.36 - 13.41	162.0125 - 167.17	2310 - 2390	8.025 - 8.5	22.01 - 23.12
4.17725 - 4.17775	16.42 - 16.423	167.72 - 173.2	2483.5 - 2500	9.0 - 9.2	23.6 - 24.0
4.20725 - 4.20775	16.69475 - 16.69525	240 - 285	2655 - 2900	9.3 - 9.5	31.2 - 31.8
6.215 - 6.218	1680425 - 1680475	322 - 335.4	3260 - 3267	10.6 - 12.7	36.43 - 36.5
6.26775 - 6.26825	25.5 - 25.67	399.9 - 410	3332 - 3339	13.25 - 13.4	
6.31175 - 6.31225	37.5 - 38.25	608 - 614	3345.8 - 3358		
8.291 - 8.294	73 - 74.6	960 - 1240	3600 - 4400		
8.362 - 8.366	74.8 - 75.2	1300 - 1427			
8.37625 - 8.38675	108 - 121.94	1435 - 1626.5			
8.41425 - 8.41475	123 - 138	1645.5 - 1646.5			

Radiated disturbance of an intentional radiator:

Frequency	Field strength (μV/m)	Limit (dBμV/m	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	74.0	Peak	3
		54.0	Average	

Test Procedure

ANSI C63.10:2020 Section 6.4 & 6.5 & 6.6

Test Settings

1. For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
2. For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
3. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
4. For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
7. spectrum analyzer setting:

   Measurements Below 1000MHz: RBW = 120 kHz; VBW ≥ 300 kHz; Detector = Peak

   Measurements Above 1000MHz: RBW = 1 MHz; VBW ≥ 3 MHz; Detector = Peak

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Average Measurements Above 1000MHz:

RBW = 1 MHz, VBW ≥ 1/T, with peak detector for average measurements.

8. The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:

   Level = Reading(dBμV) + AF(dB/m) + Factor(dB):

   AF = Antenna Factor(dB/m)

   Factor = Cable Factor(dB) - Preamplifier gain(dB)

   Margin = Limit(dBμV/m) – Level(dBμV/m)
9. Repeat above procedures until all frequencies measured was complete.
10. Measure and record the results in the test report.

Test Notes

1. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
2. Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz, 30MHz-1GHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
3. These frequencies which near "-" should be ignored because they are Fundamental frequency.

Test Setup

Refer to section 2.7.2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

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5 Test Setup Photos

The detailed test data see: **Appendix-A BTWIFI Setup Photos**

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Appendix

DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant6	2402	0.652	2401.668	2402.320	0.5	PASS
BLE_1M	Ant7	2402	0.620	2401.688	2402.308	0.5	PASS
BLE_1M	Ant6	2440	0.680	2439.652	2440.332	0.5	PASS
BLE_1M	Ant7	2440	0.660	2439.672	2440.332	0.5	PASS
BLE_1M	Ant6	2480	0.672	2479.656	2480.328	0.5	PASS
BLE_1M	Ant7	2480	0.692	2479.652	2480.344	0.5	PASS
BLE_2M	Ant6	2402	1.160	2401.420	2402.580	0.5	PASS
BLE_2M	Ant7	2402	1.012	2401.532	2402.544	0.5	PASS
BLE_2M	Ant6	2440	1.120	2439.432	2440.552	0.5	PASS
BLE_2M	Ant7	2440	1.128	2439.424	2440.552	0.5	PASS
BLE_2M	Ant6	2480	1.140	2479.432	2480.572	0.5	PASS
BLE_2M	Ant7	2480	1.148	2479.436	2480.584	0.5	PASS
BLE_125K	Ant6	2402	0.672	2401.664	2402.336	0.5	PASS
BLE_125K	Ant7	2402	0.680	2401.664	2402.344	0.5	PASS
BLE_125K	Ant6	2440	0.684	2439.660	2440.344	0.5	PASS
BLE_125K	Ant7	2440	0.676	2439.668	2440.344	0.5	PASS
BLE_125K	Ant6	2480	0.632	2479.684	2480.316	0.5	PASS
BLE_125K	Ant7	2480	0.660	2479.672	2480.332	0.5	PASS
BLE_500K	Ant6	2402	0.660	2401.676	2402.336	0.5	PASS
BLE_500K	Ant7	2402	0.664	2401.680	2402.344	0.5	PASS
BLE_500K	Ant6	2440	0.660	2439.676	2440.336	0.5	PASS
BLE_500K	Ant7	2440	0.656	2439.680	2440.336	0.5	PASS
BLE_500K	Ant6	2480	0.656	2479.680	2480.336	0.5	PASS
BLE_500K	Ant7	2480	0.656	2479.680	2480.336	0.5	PASS

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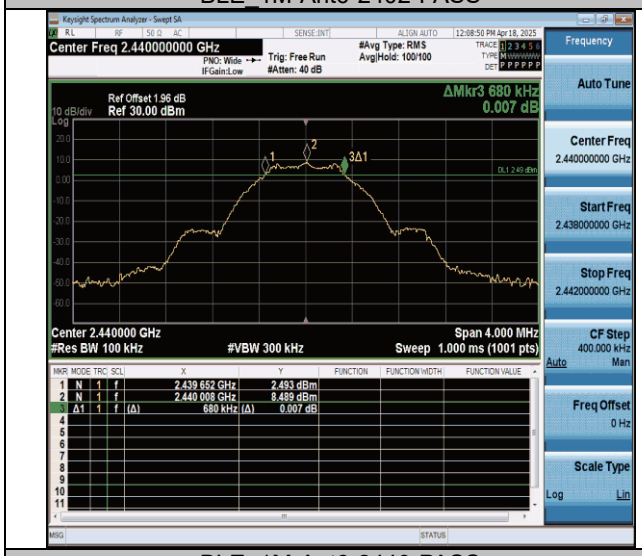
Test Graphs

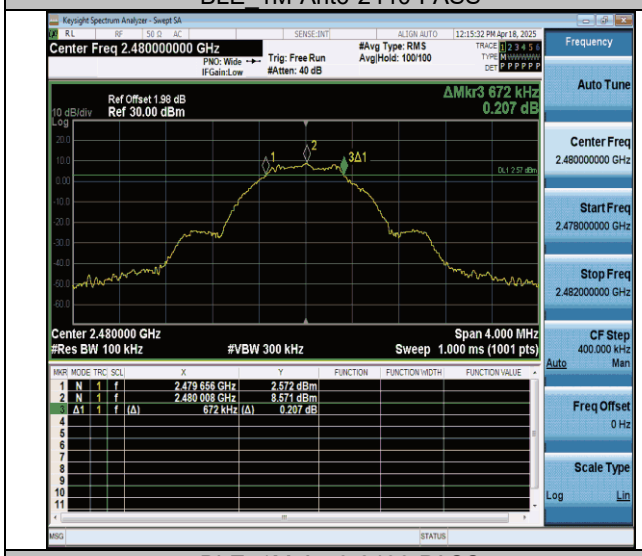
BLE_1M-Ant6-2402-PASS

BLE_1M-Ant7-2402-PASS



BLE_1M-Ant6-2440-PASS

BLE_1M-Ant7-2440-PASS



BLE_1M-Ant6-2480-PASS

BLE_1M-Ant7-2480-PASS

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BLE_2M-Ant6-2402-PASS

BLE_2M-Ant7-2402-PASS

BLE_2M-Ant6-2440-PASS

BLE_2M-Ant7-2440-PASS

BLE_2M-Ant6-2480-PASS

BLE_2M-Ant7-2480-PASS

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BLE_125K-Ant6-2402-PASS

BLE_125K-Ant7-2402-PASS

BLE_125K-Ant6-2440-PASS

BLE_125K-Ant7-2440-PASS

BLE_125K-Ant6-2480-PASS

BLE_125K-Ant7-2480-PASS

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BLE_500K-Ant6-2402-PASS

BLE_500K-Ant7-2402-PASS

BLE_500K-Ant6-2440-PASS

BLE_500K-Ant7-2440-PASS

BLE_500K-Ant6-2480-PASS

BLE_500K-Ant7-2480-PASS

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Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant6	2402	1.0247	2401.4903	2402.5150	---	---
BLE_1M	Ant7	2402	1.0288	2401.4979	2402.5267	---	---
BLE_1M	Ant6	2440	1.0207	2439.4934	2440.5141	---	---
BLE_1M	Ant7	2440	1.0259	2439.4966	2440.5225	---	---
BLE_1M	Ant6	2480	1.0229	2479.4957	2480.5186	---	---
BLE_1M	Ant7	2480	1.0218	2479.5014	2480.5232	---	---
BLE_2M	Ant6	2402	2.0170	2401.0070	2403.0240	---	---
BLE_2M	Ant7	2402	2.0236	2401.0119	2403.0355	---	---
BLE_2M	Ant6	2440	2.0181	2439.0096	2441.0277	---	---
BLE_2M	Ant7	2440	2.0202	2439.0108	2441.0310	---	---
BLE_2M	Ant6	2480	2.0204	2479.0106	2481.0310	---	---
BLE_2M	Ant7	2480	2.0189	2479.0140	2481.0329	---	---
BLE_125K	Ant6	2402	1.0495	2401.4740	2402.5235	---	---
BLE_125K	Ant7	2402	1.0441	2401.4806	2402.5247	---	---
BLE_125K	Ant6	2440	1.0478	2439.4766	2440.5244	---	---
BLE_125K	Ant7	2440	1.0468	2439.4784	2440.5252	---	---
BLE_125K	Ant6	2480	1.0468	2479.4753	2480.5221	---	---
BLE_125K	Ant7	2480	1.0473	2479.4783	2480.5256	---	---
BLE_500K	Ant6	2402	1.0260	2401.4854	2402.5114	---	---
BLE_500K	Ant7	2402	1.0227	2401.4918	2402.5145	---	---
BLE_500K	Ant6	2440	1.0170	2439.4899	2440.5069	---	---
BLE_500K	Ant7	2440	1.0170	2439.4945	2440.5115	---	---
BLE_500K	Ant6	2480	1.0270	2479.4873	2480.5143	---	---
BLE_500K	Ant7	2480	1.0132	2479.4985	2480.5117	---	---

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Test Graphs

BLE_1M-Ant6-2402

BLE_1M-Ant7-2402

BLE_1M-Ant6-2440

BLE_1M-Ant7-2440

BLE_1M-Ant6-2480

BLE_1M-Ant7-2480

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BLE_2M-Ant6-2402

BLE_2M-Ant7-2402

BLE_2M-Ant6-2440

BLE_2M-Ant7-2440

BLE_2M-Ant6-2480

BLE_2M-Ant7-2480

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BLE_125K-Ant6-2402

BLE_125K-Ant7-2402

BLE_125K-Ant6-2440

BLE_125K-Ant7-2440

BLE_125K-Ant6-2480

BLE_125K-Ant7-2480

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BLE_500K-Ant6-2402

BLE_500K-Ant7-2402

BLE_500K-Ant6-2440

BLE_500K-Ant7-2440

BLE_500K-Ant6-2480

BLE_500K-Ant7-2480

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Maximum conducted output power

FCC ID: PY7-63277Y (Lead Model)

Test Result

Test Mode	Test Channel	Average		Peak		Limit (dBm)	Verdict
		Ant6 (dBm)	Ant7 (dBm)	Ant6 (dBm)	Ant7 (dBm)		
1M	2402	9.001	8.784	9.452	9.237	30	PASS
	2440	9.318	8.816	9.801	9.286	30	PASS
	2480	9.031	8.769	9.535	9.181	30	PASS
2M	2402	8.861	8.791	9.724	9.629	30	PASS
	2440	9.133	9.027	10.007	9.871	30	PASS
	2480	8.846	8.777	9.712	9.607	30	PASS
S2	2402	9.049	8.902	9.512	9.367	30	PASS
	2440	9.359	9.135	9.836	9.557	30	PASS
	2480	9.024	8.961	9.513	9.408	30	PASS
S8	2402	8.989	8.848	9.435	9.301	30	PASS
	2440	9.295	9.191	9.776	9.637	30	PASS
	2480	8.965	8.818	9.452	9.221	30	PASS

Test for spot check:

FCC ID: PY7-35087R (This Model)

Test Result

Test Mode	Test Channel	Average		Peak		Limit (dBm)	Verdict
		Ant6 (dBm)	Ant7 (dBm)	Ant6 (dBm)	Ant7 (dBm)		
2M	2440	/	/	9.761	/	30	PASS
S2	2440	9.207	/	/	/	30	PASS

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Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant6	2402	-7.25	≤8.00	PASS
BLE_1M	Ant7	2402	-7.88	≤8.00	PASS
BLE_1M	Ant6	2440	-5.87	≤8.00	PASS
BLE_1M	Ant7	2440	-7.45	≤8.00	PASS
BLE_1M	Ant6	2480	-5.77	≤8.00	PASS
BLE_1M	Ant7	2480	-6.75	≤8.00	PASS
BLE_2M	Ant6	2402	-9.69	≤8.00	PASS
BLE_2M	Ant7	2402	-10.55	≤8.00	PASS
BLE_2M	Ant6	2440	-8.46	≤8.00	PASS
BLE_2M	Ant7	2440	-10.17	≤8.00	PASS
BLE_2M	Ant6	2480	-8.37	≤8.00	PASS
BLE_2M	Ant7	2480	-9.37	≤8.00	PASS
BLE_125K	Ant6	2402	1.55	≤8.00	PASS
BLE_125K	Ant7	2402	0.65	≤8.00	PASS
BLE_125K	Ant6	2440	2.75	≤8.00	PASS
BLE_125K	Ant7	2440	1.09	≤8.00	PASS
BLE_125K	Ant6	2480	2.82	≤8.00	PASS
BLE_125K	Ant7	2480	1.75	≤8.00	PASS
BLE_500K	Ant6	2402	1.56	≤8.00	PASS
BLE_500K	Ant7	2402	0.58	≤8.00	PASS
BLE_500K	Ant6	2440	2.51	≤8.00	PASS
BLE_500K	Ant7	2440	1.06	≤8.00	PASS
BLE_500K	Ant6	2480	2.64	≤8.00	PASS
BLE_500K	Ant7	2480	1.71	≤8.00	PASS

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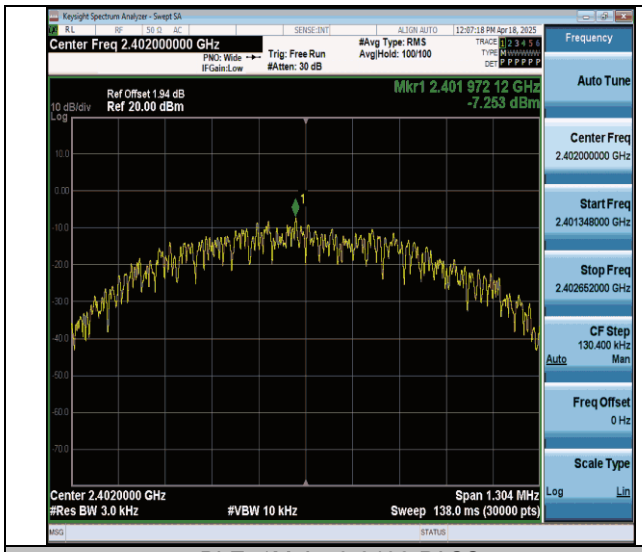
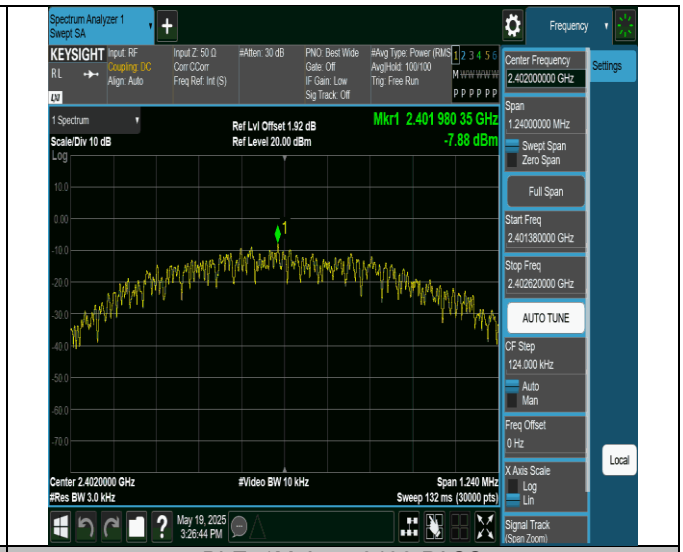
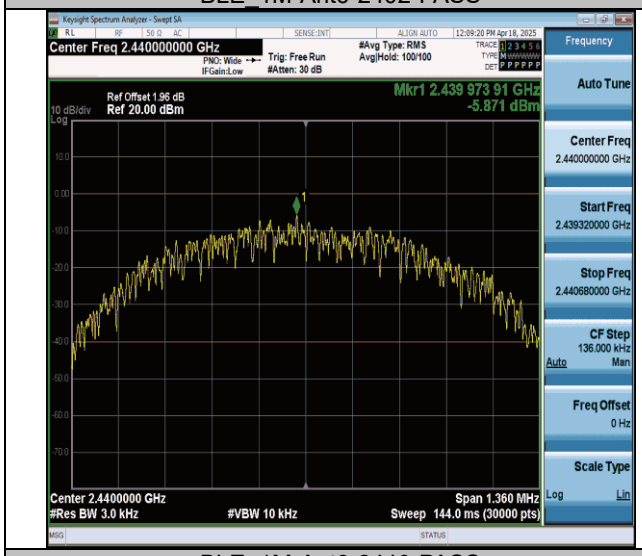
Test Graphs



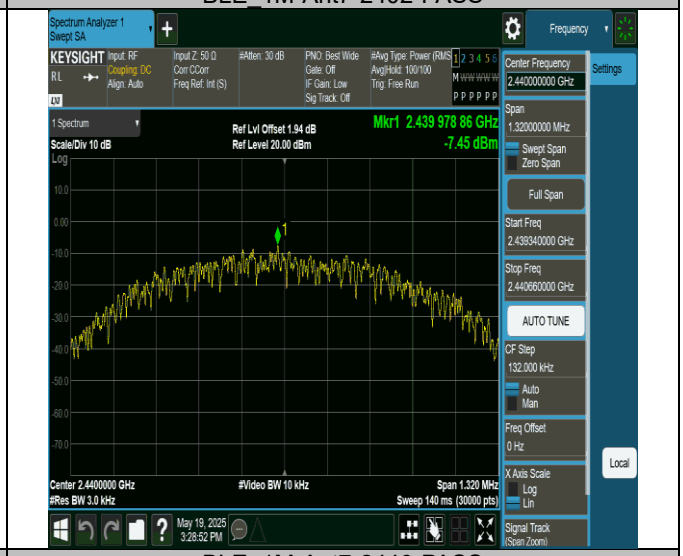
BLE_1M-Ant6-2402-PASS



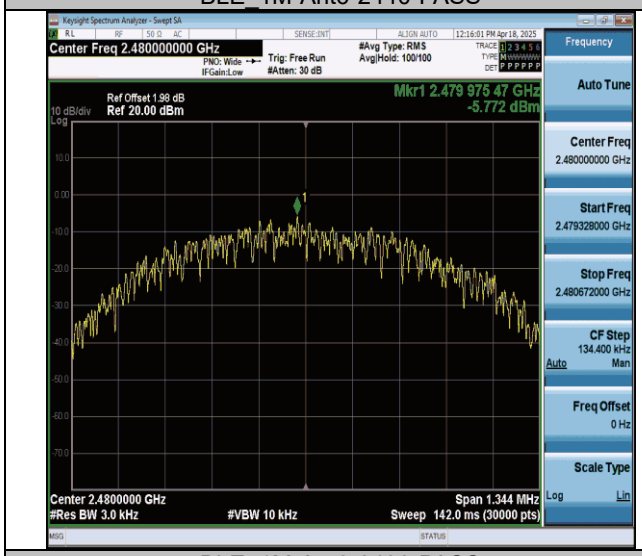
BLE_1M-Ant7-2402-PASS



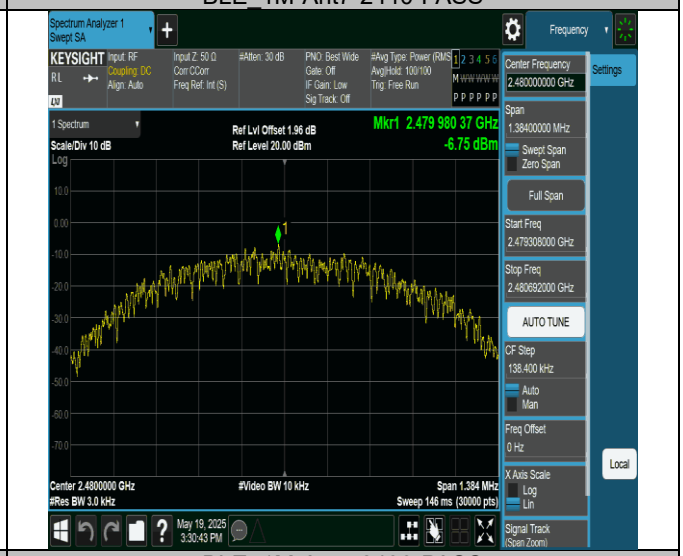
BLE_1M-Ant6-2440-PASS



BLE_1M-Ant7-2440-PASS



BLE_1M-Ant6-2480-PASS



BLE_1M-Ant7-2480-PASS

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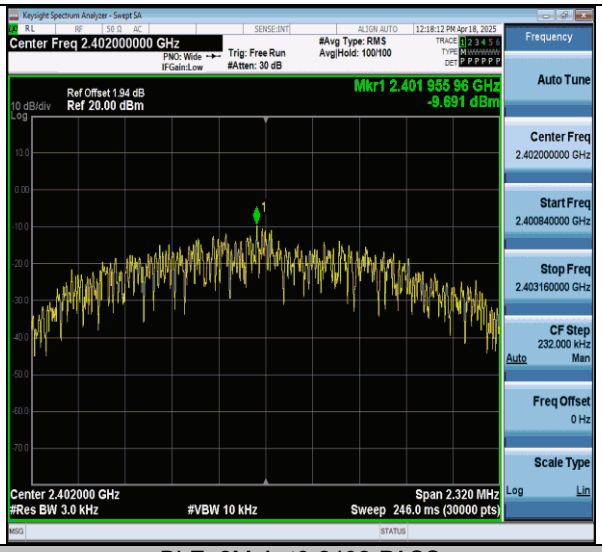
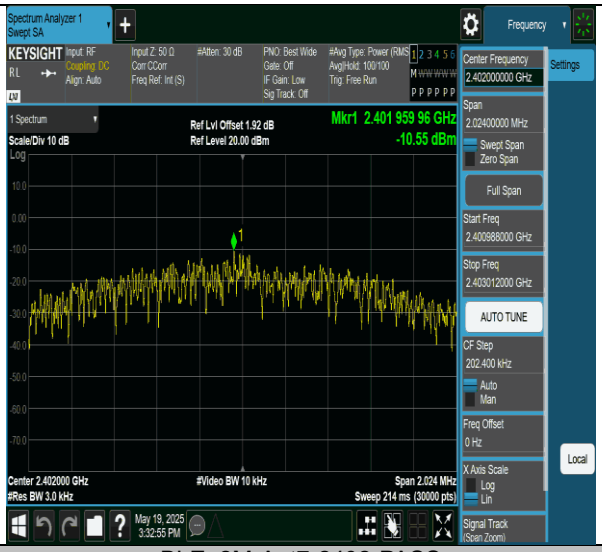
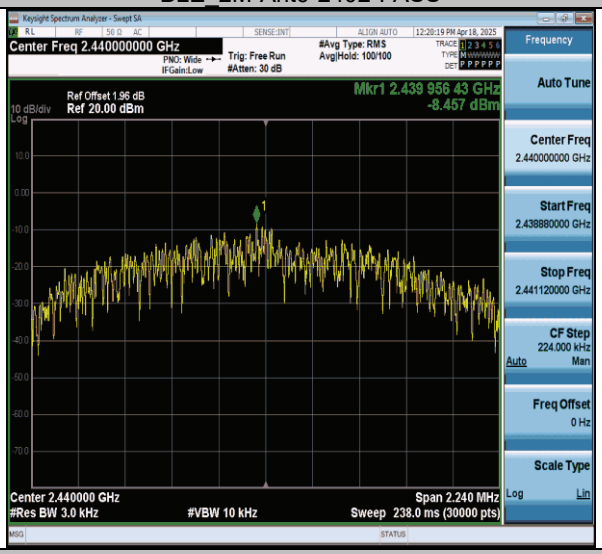


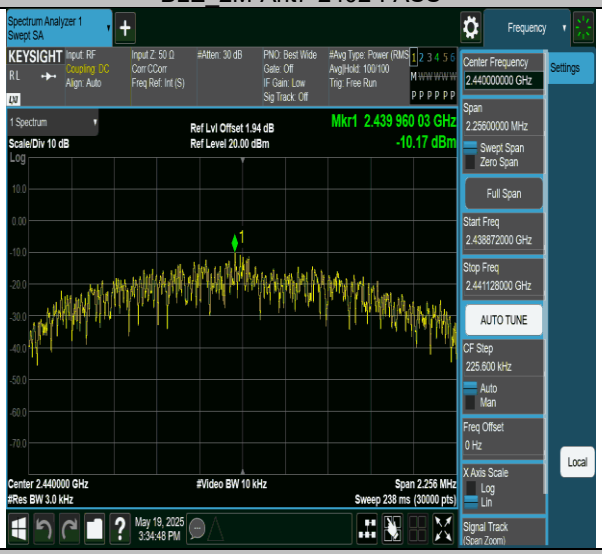
BLE_2M-Ant6-2402-PASS



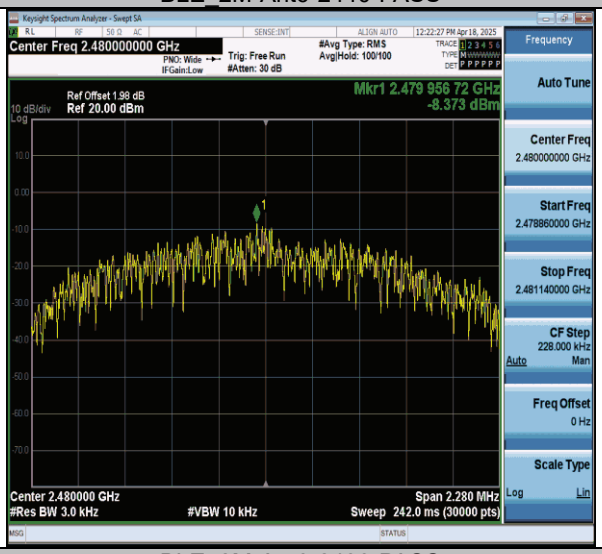
BLE_2M-Ant7-2402-PASS



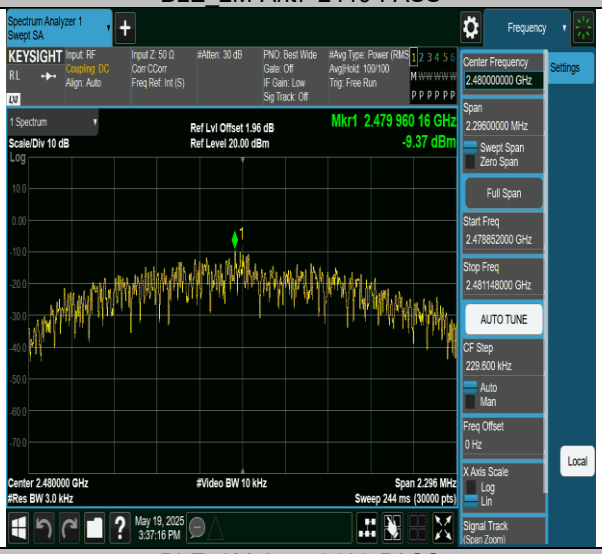
BLE_2M-Ant6-2440-PASS



BLE_2M-Ant7-2440-PASS



BLE_2M-Ant6-2480-PASS



BLE_2M-Ant7-2480-PASS

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BLE_125K-Ant6-2402-PASS

BLE_125K-Ant7-2402-PASS

BLE_125K-Ant6-2440-PASS

BLE_125K-Ant7-2440-PASS

BLE_125K-Ant6-2480-PASS

BLE_125K-Ant7-2480-PASS

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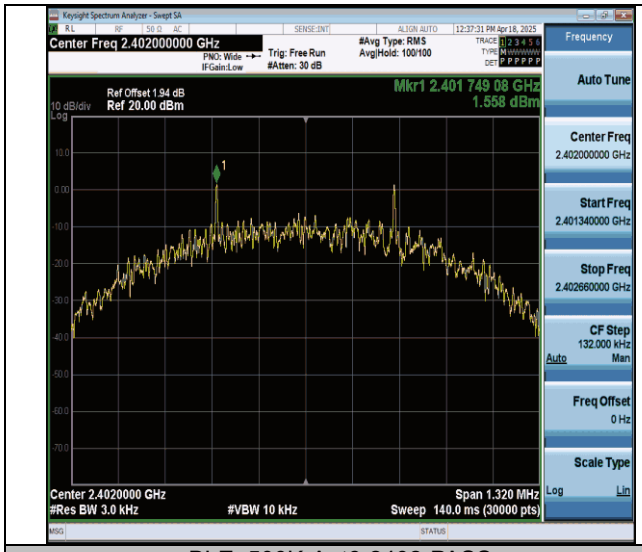
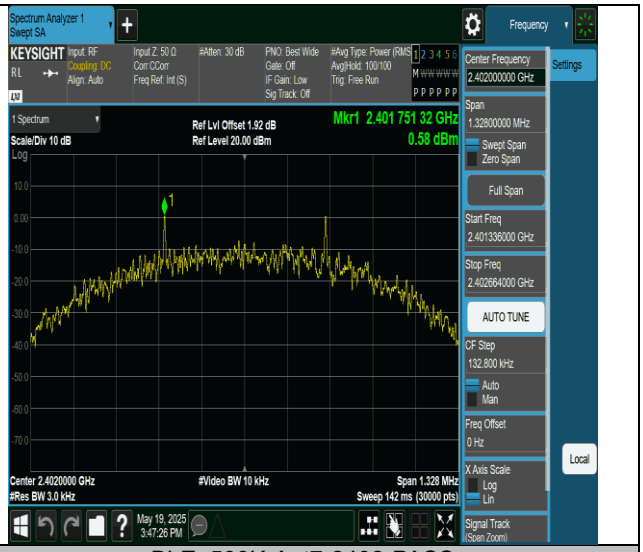
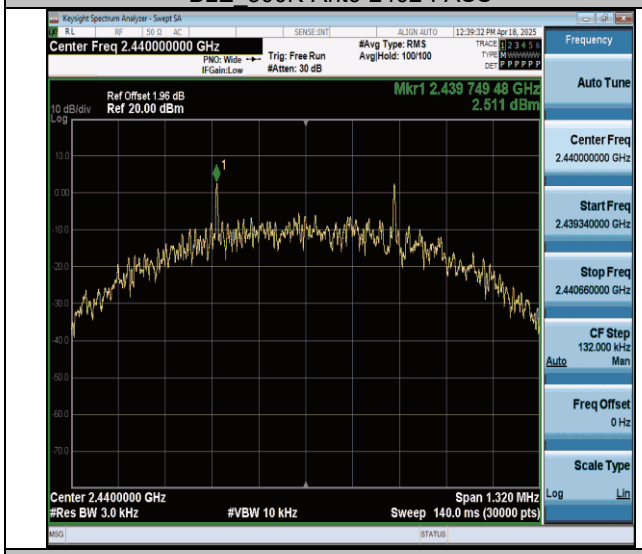


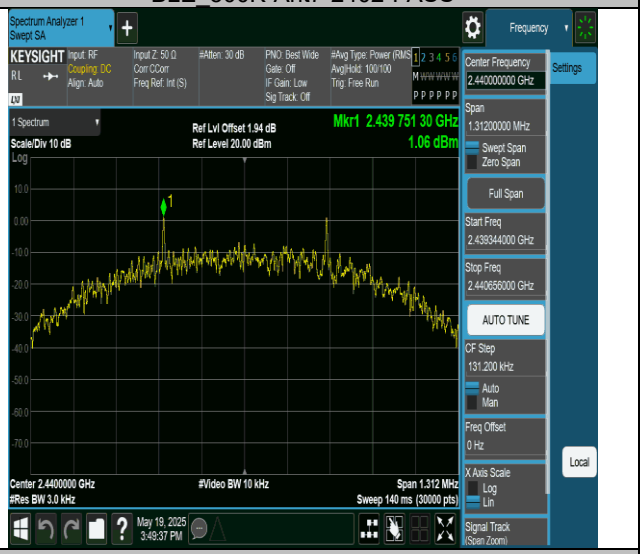
BLE_500K-Ant6-2402-PASS



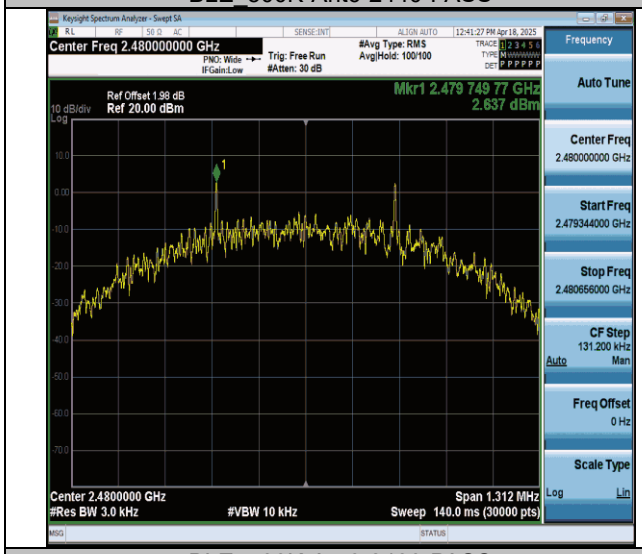
BLE_500K-Ant7-2402-PASS



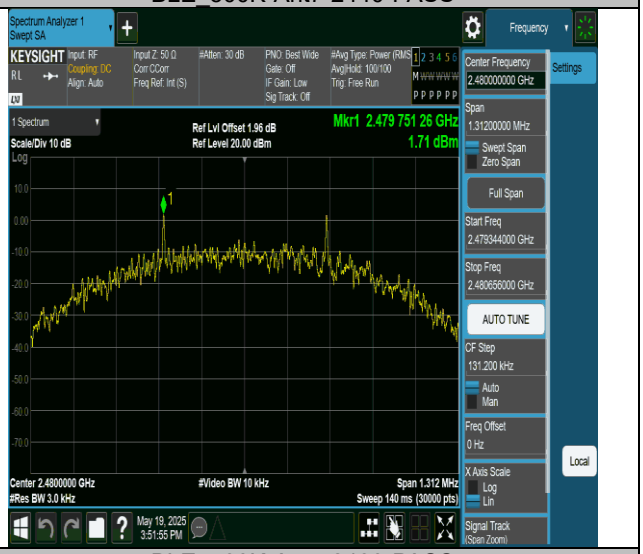
BLE_500K-Ant6-2440-PASS



BLE_500K-Ant7-2440-PASS



BLE_500K-Ant6-2480-PASS



BLE_500K-Ant7-2480-PASS

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Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant6	Low	2402	7.15	-52.24	≤-12.85	PASS
BLE_1M	Ant7	Low	2402	6.18	-53.66	≤-13.82	PASS
BLE_1M	Ant6	High	2480	8.43	-57.05	≤-11.57	PASS
BLE_1M	Ant7	High	2480	7.26	-57.41	≤-12.74	PASS
BLE_2M	Ant6	Low	2402	6.15	-44.36	≤-13.85	PASS
BLE_2M	Ant7	Low	2402	6.51	-42.83	≤-13.49	PASS
BLE_2M	Ant6	High	2480	8.70	-55.42	≤-11.3	PASS
BLE_2M	Ant7	High	2480	7.42	-55.18	≤-12.58	PASS
BLE_125K	Ant6	Low	2402	4.24	-55.64	≤-15.76	PASS
BLE_125K	Ant7	Low	2402	3.42	-52.69	≤-16.58	PASS
BLE_125K	Ant6	High	2480	6.77	-56.97	≤-13.23	PASS
BLE_125K	Ant7	High	2480	6.18	-56.95	≤-13.82	PASS
BLE_500K	Ant6	Low	2402	7.45	-52.85	≤-12.55	PASS
BLE_500K	Ant7	Low	2402	5.24	-54.59	≤-14.76	PASS
BLE_500K	Ant6	High	2480	8.67	-56.4	≤-11.33	PASS
BLE_500K	Ant7	High	2480	7.54	-56.74	≤-12.46	PASS

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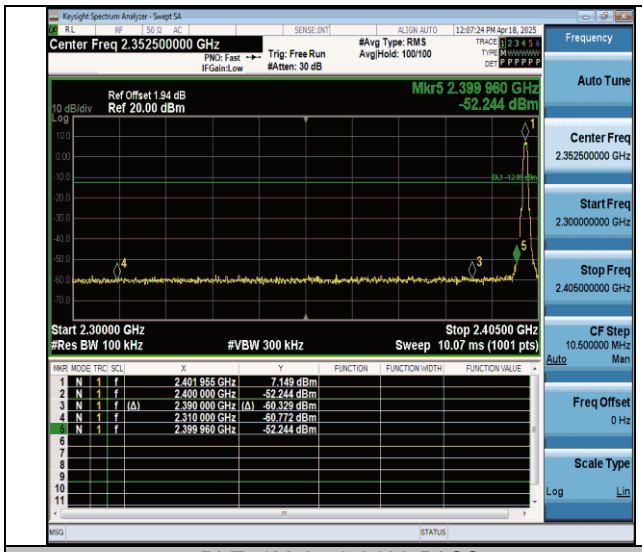
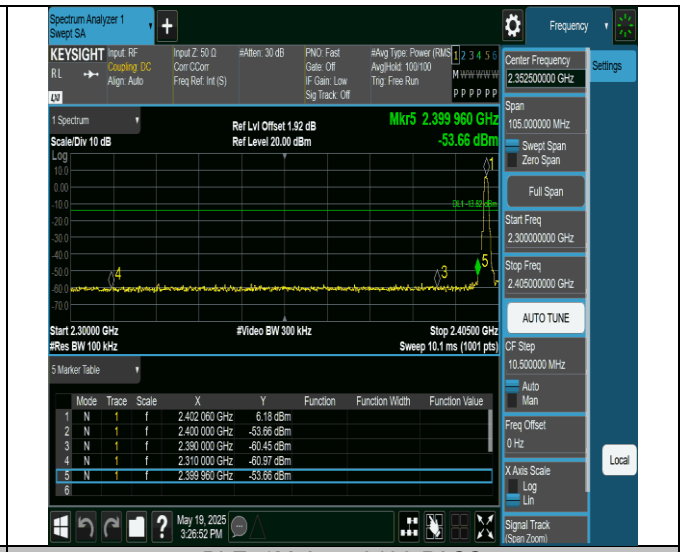
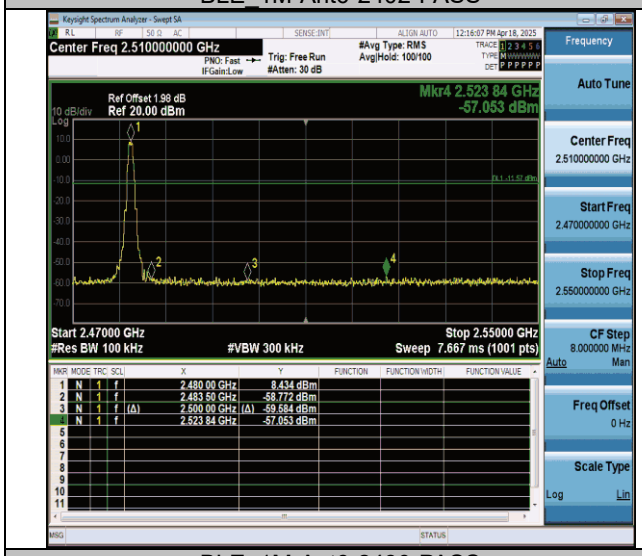
Test Graphs



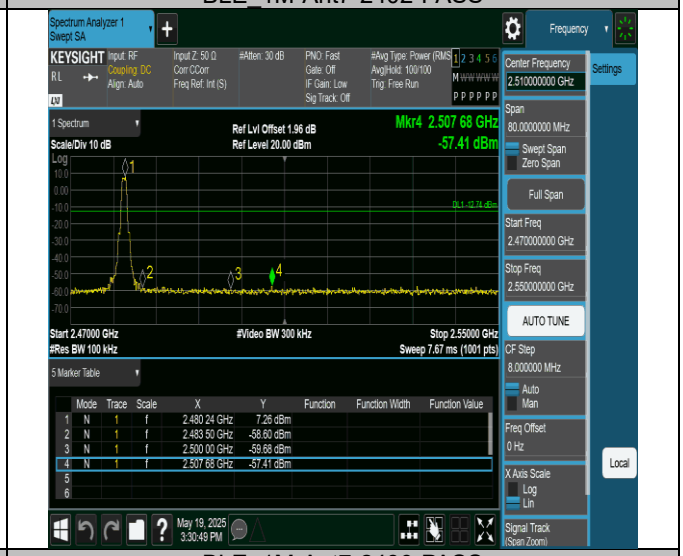
BLE_1M-Ant6-2402-PASS



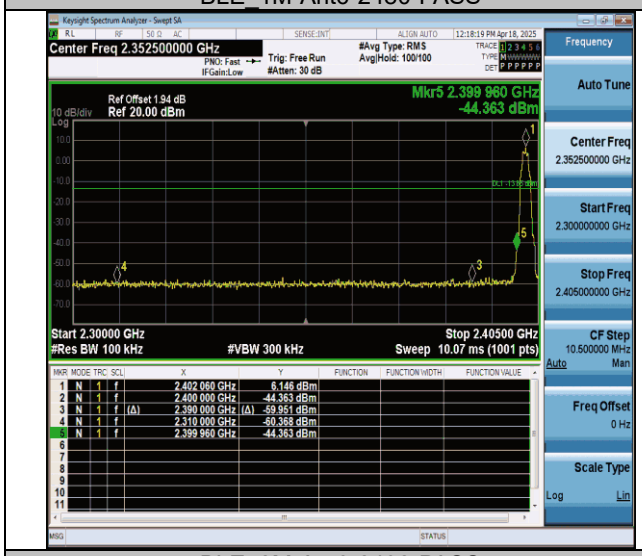
BLE_1M-Ant7-2402-PASS



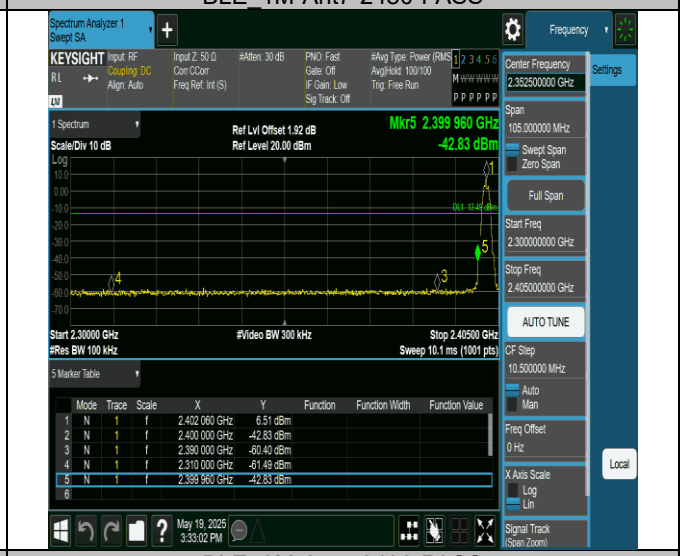
BLE_1M-Ant6-2480-PASS



BLE_1M-Ant7-2480-PASS



BLE_2M-Ant6-2402-PASS



BLE_2M-Ant7-2402-PASS

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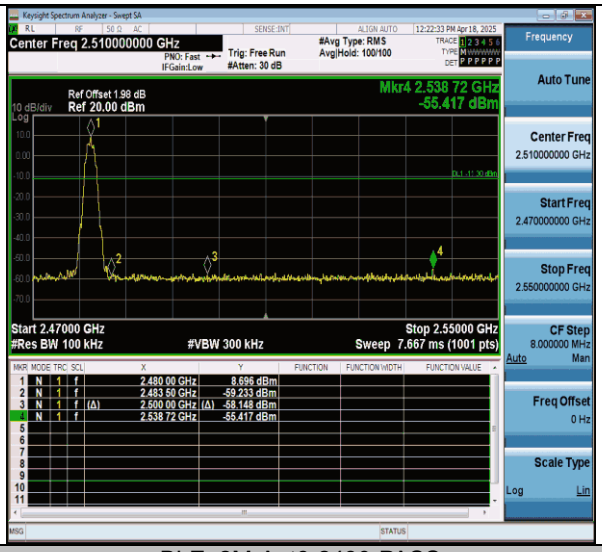
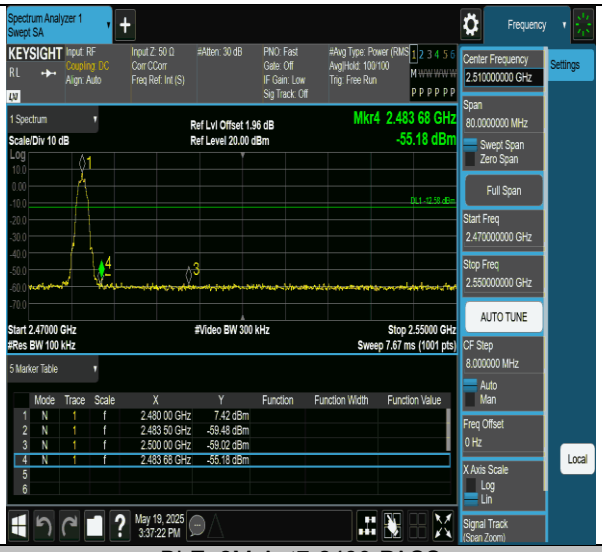
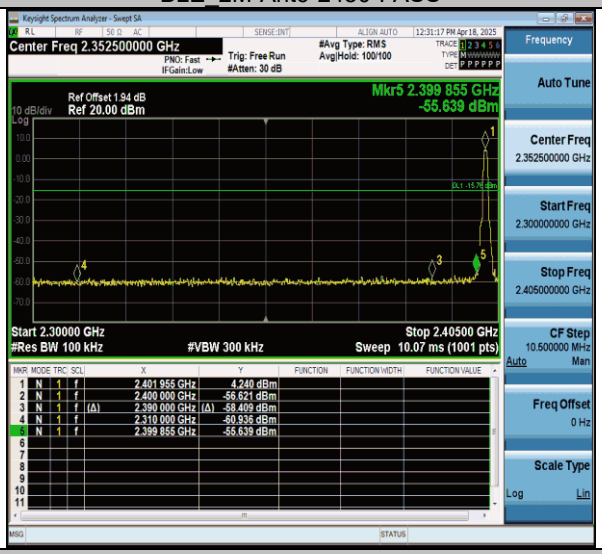


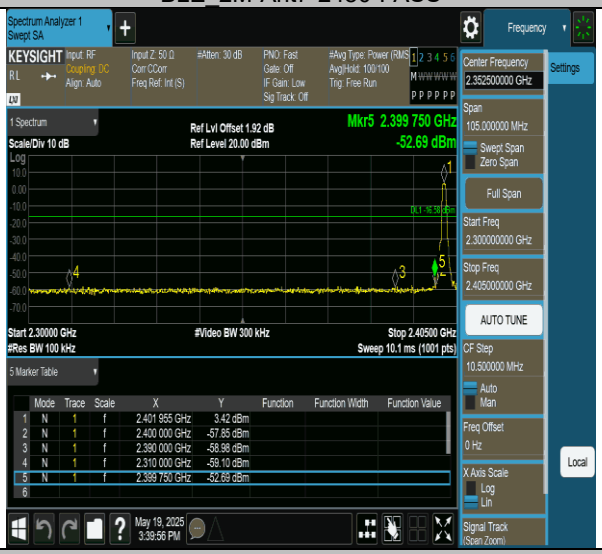
BLE_2M-Ant6-2480-PASS



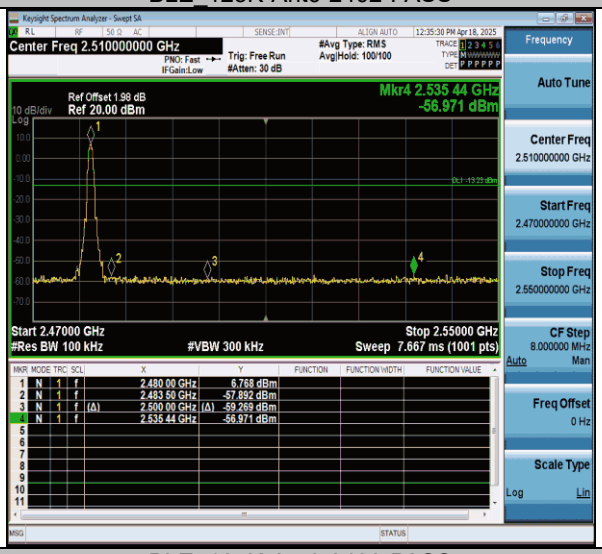
BLE_2M-Ant7-2480-PASS



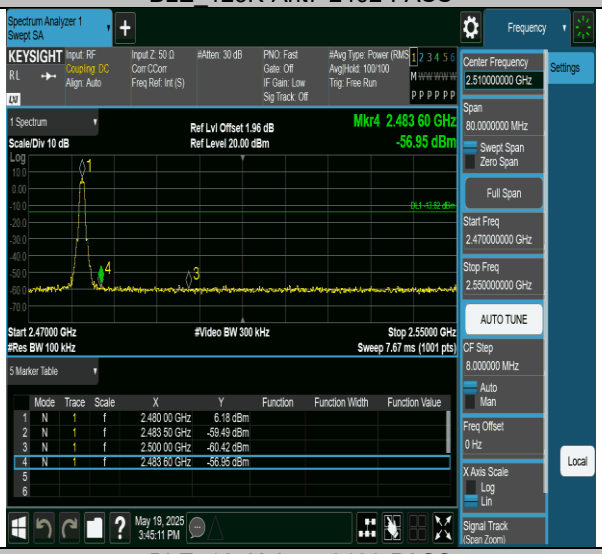
BLE_125K-Ant6-2402-PASS



BLE_125K-Ant7-2402-PASS



BLE_125K-Ant6-2480-PASS



BLE_125K-Ant7-2480-PASS

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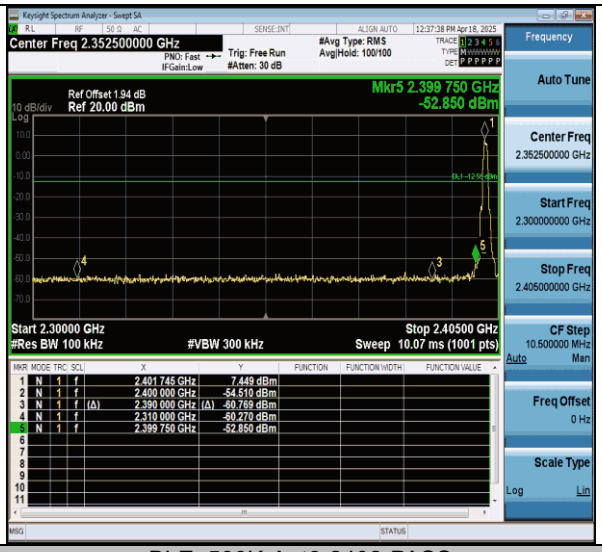
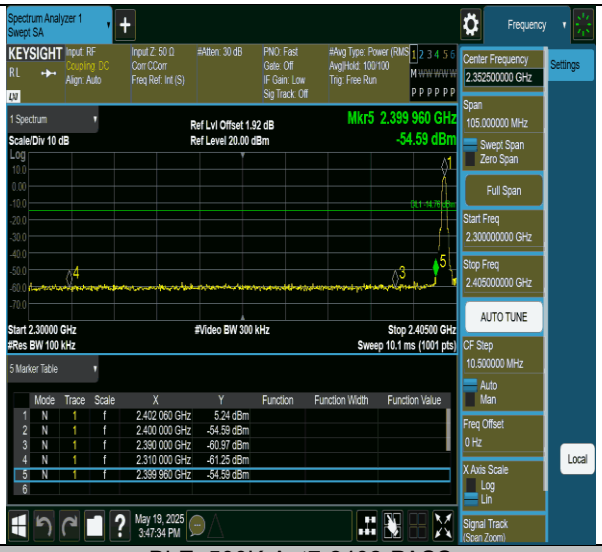
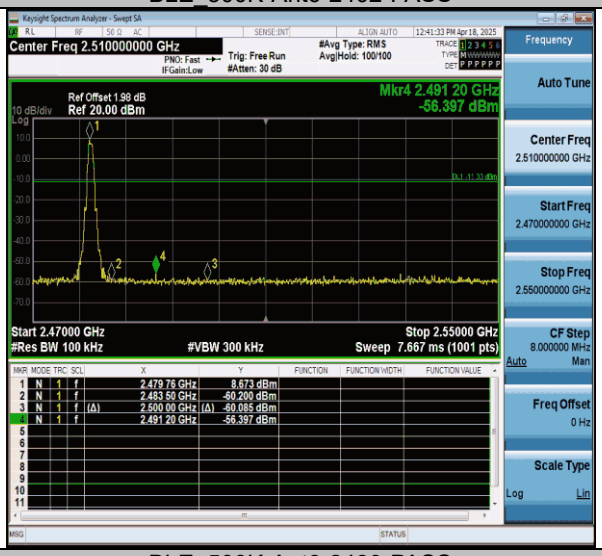


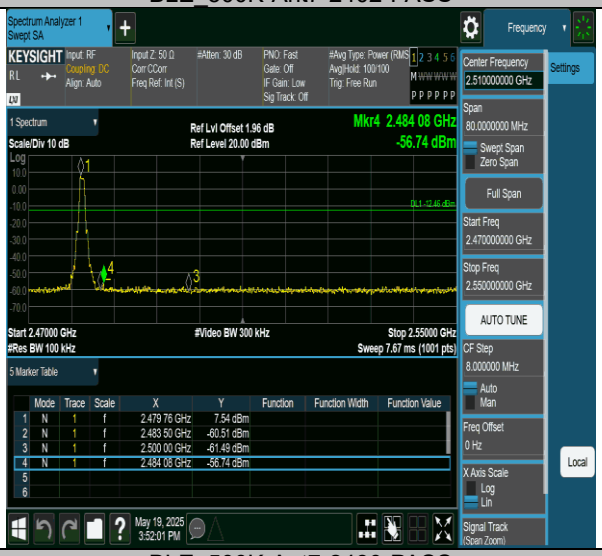
BLE_500K-Ant6-2402-PASS



BLE_500K-Ant7-2402-PASS



BLE_500K-Ant6-2480-PASS



BLE_500K-Ant7-2480-PASS

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Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Margin [dBm]	Verdict
BLE_1M	Ant6	2402	0~Reference	7.10	7.10	---	---	PASS
BLE_1M	Ant7	2402	0~Reference	6.40	6.40	---	---	PASS
BLE_1M	Ant6	2402	30~1000	7.10	-63.22	≤-12.9	50.32	PASS
BLE_1M	Ant7	2402	30~1000	6.40	-58.96	≤-13.6	45.36	PASS
BLE_1M	Ant6	2402	1000~26500	7.10	-44.77	≤-12.9	31.87	PASS
BLE_1M	Ant7	2402	1000~26500	6.40	-50.65	≤-13.6	37.05	PASS
BLE_1M	Ant6	2440	0~Reference	8.44	8.44	---	---	PASS
BLE_1M	Ant7	2440	0~Reference	6.23	6.23	---	---	PASS
BLE_1M	Ant6	2440	30~1000	8.44	-62.72	≤-11.56	51.16	PASS
BLE_1M	Ant7	2440	30~1000	6.23	-58.88	≤-13.77	45.11	PASS
BLE_1M	Ant6	2440	1000~26500	8.44	-45.96	≤-11.56	34.40	PASS
BLE_1M	Ant7	2440	1000~26500	6.23	-50.5	≤-13.77	36.73	PASS
BLE_1M	Ant6	2480	0~Reference	7.97	7.97	---	---	PASS
BLE_1M	Ant7	2480	0~Reference	7.64	7.64	---	---	PASS
BLE_1M	Ant6	2480	30~1000	7.97	-63.18	≤-12.03	51.15	PASS
BLE_1M	Ant7	2480	30~1000	7.64	-58.92	≤-12.36	46.56	PASS
BLE_1M	Ant6	2480	1000~26500	7.97	-45.51	≤-12.03	33.48	PASS
BLE_1M	Ant7	2480	1000~26500	7.64	-50.12	≤-12.36	37.76	PASS
BLE_2M	Ant6	2402	0~Reference	6.99	6.99	---	---	PASS
BLE_2M	Ant7	2402	0~Reference	6.48	6.48	---	---	PASS
BLE_2M	Ant6	2402	30~1000	6.99	-63.33	≤-13.01	50.32	PASS
BLE_2M	Ant7	2402	30~1000	6.48	-58.86	≤-13.52	45.34	PASS
BLE_2M	Ant6	2402	1000~26500	6.99	-46.19	≤-13.01	33.18	PASS
BLE_2M	Ant7	2402	1000~26500	6.48	-49.77	≤-13.52	36.25	PASS
BLE_2M	Ant6	2440	0~Reference	8.54	8.54	---	---	PASS
BLE_2M	Ant7	2440	0~Reference	6.81	6.81	---	---	PASS
BLE_2M	Ant6	2440	30~1000	8.54	-62.61	≤-11.46	51.15	PASS
BLE_2M	Ant7	2440	30~1000	6.81	-58.99	≤-13.19	45.80	PASS
BLE_2M	Ant6	2440	1000~26500	8.54	-45.68	≤-11.46	34.22	PASS
BLE_2M	Ant7	2440	1000~26500	6.81	-50.76	≤-13.19	37.57	PASS
BLE_2M	Ant6	2480	0~Reference	8.52	8.52	---	---	PASS
BLE_2M	Ant7	2480	0~Reference	7.60	7.60	---	---	PASS
BLE_2M	Ant6	2480	30~1000	8.52	-63.41	≤-11.48	51.93	PASS
BLE_2M	Ant7	2480	30~1000	7.60	-59.24	≤-12.4	46.84	PASS
BLE_2M	Ant6	2480	1000~26500	8.52	-46.6	≤-11.48	35.12	PASS
BLE_2M	Ant7	2480	1000~26500	7.60	-49.93	≤-12.4	37.53	PASS
BLE_125K	Ant6	2402	0~Reference	6.13	6.13	---	---	PASS
BLE_125K	Ant7	2402	0~Reference	4.35	4.35	---	---	PASS
BLE_125K	Ant6	2402	30~1000	6.13	-63.04	≤-13.87	49.17	PASS
BLE_125K	Ant7	2402	30~1000	4.35	-58.69	≤-15.65	43.04	PASS
BLE_125K	Ant6	2402	1000~26500	6.13	-46	≤-13.87	32.13	PASS
BLE_125K	Ant7	2402	1000~26500	4.35	-49.32	≤-15.65	33.67	PASS
BLE_125K	Ant6	2440	0~Reference	7.17	7.17	---	---	PASS
BLE_125K	Ant7	2440	0~Reference	5.59	5.59	---	---	PASS
BLE_125K	Ant6	2440	30~1000	7.17	-63.09	≤-12.83	50.26	PASS
BLE_125K	Ant7	2440	30~1000	5.59	-58.82	≤-14.41	44.41	PASS
BLE_125K	Ant6	2440	1000~26500	7.17	-45.64	≤-12.83	32.81	PASS
BLE_125K	Ant7	2440	1000~26500	5.59	-50.24	≤-14.41	35.83	PASS
BLE_125K	Ant6	2480	0~Reference	7.11	7.11	---	---	PASS
BLE_125K	Ant7	2480	0~Reference	6.20	6.20	---	---	PASS
BLE_125K	Ant6	2480	30~1000	7.11	-62.7	≤-12.89	49.81	PASS
BLE_125K	Ant7	2480	30~1000	6.20	-58.52	≤-13.8	44.72	PASS
BLE_125K	Ant6	2480	1000~26500	7.11	-45.19	≤-12.89	32.30	PASS
BLE_125K	Ant7	2480	1000~26500	6.20	-49.57	≤-13.8	35.77	PASS
BLE_500K	Ant6	2402	0~Reference	6.96	6.96	---	---	PASS
BLE_500K	Ant7	2402	0~Reference	6.08	6.08	---	---	PASS
BLE_500K	Ant6	2402	30~1000	6.96	-62.61	≤-13.04	49.57	PASS
BLE_500K	Ant7	2402	30~1000	6.08	-59.2	≤-13.92	45.28	PASS
BLE_500K	Ant6	2402	1000~26500	6.96	-46.08	≤-13.04	33.04	PASS
BLE_500K	Ant7	2402	1000~26500	6.08	-50.04	≤-13.92	36.12	PASS
BLE_500K	Ant6	2440	0~Reference	8.63	8.63	---	---	PASS
BLE_500K	Ant7	2440	0~Reference	6.84	6.84	---	---	PASS

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BLE_500K	Ant6	2440	30~1000	8.63	-61.49	≤-11.37	50.12	PASS
BLE_500K	Ant7	2440	30~1000	6.84	-58.54	≤-13.16	45.38	PASS
BLE_500K	Ant6	2440	1000~26500	8.63	-45.77	≤-11.37	34.40	PASS
BLE_500K	Ant7	2440	1000~26500	6.84	-49.88	≤-13.16	36.72	PASS
BLE_500K	Ant6	2480	0~Reference	8.17	8.17	---	---	PASS
BLE_500K	Ant7	2480	0~Reference	7.69	7.69	---	---	PASS
BLE_500K	Ant6	2480	30~1000	8.17	-62.79	≤-11.83	50.96	PASS
BLE_500K	Ant7	2480	30~1000	7.69	-58.48	≤-12.31	46.17	PASS
BLE_500K	Ant6	2480	1000~26500	8.17	-45.69	≤-11.83	33.86	PASS
BLE_500K	Ant7	2480	1000~26500	7.69	-49.84	≤-12.31	37.53	PASS

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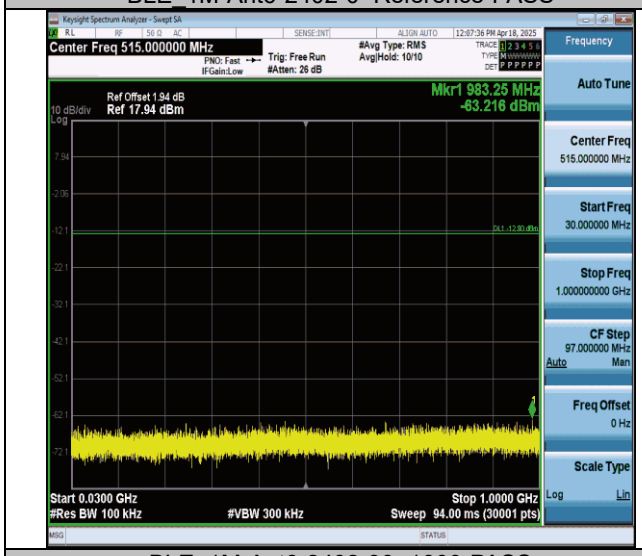
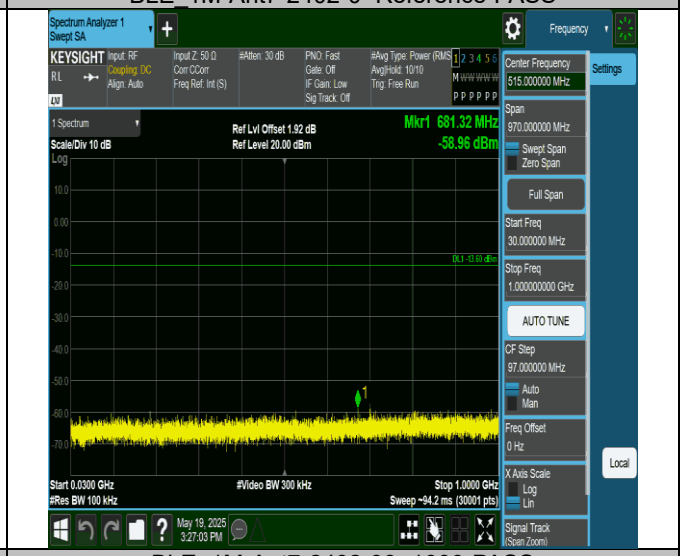
Test Graphs

BLE_1M-Ant6-2402-0~Reference-PASS

BLE_1M-Ant7-2402-0~Reference-PASS



BLE_1M-Ant6-2402-30~1000-PASS



BLE_1M-Ant7-2402-30~1000-PASS

BLE_1M-Ant6-2402-1000~26500-PASS

BLE_1M-Ant7-2402-1000~26500-PASS

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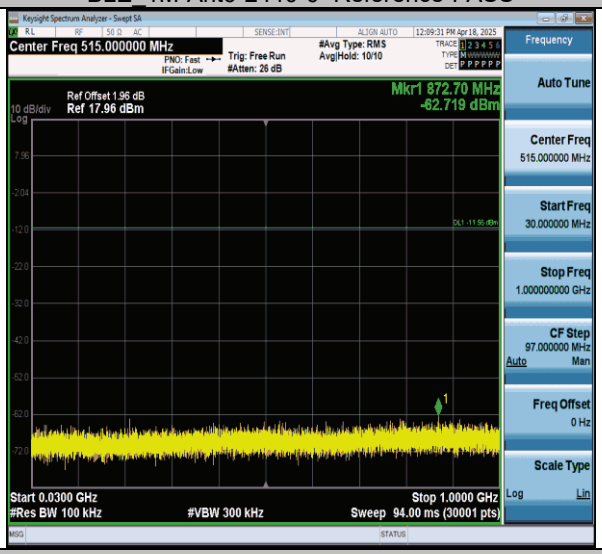
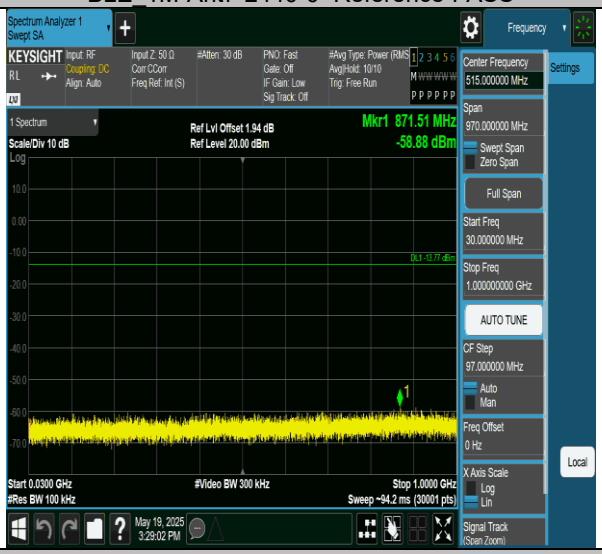
BLE_1M-Ant6-2440-0~Reference-PASS

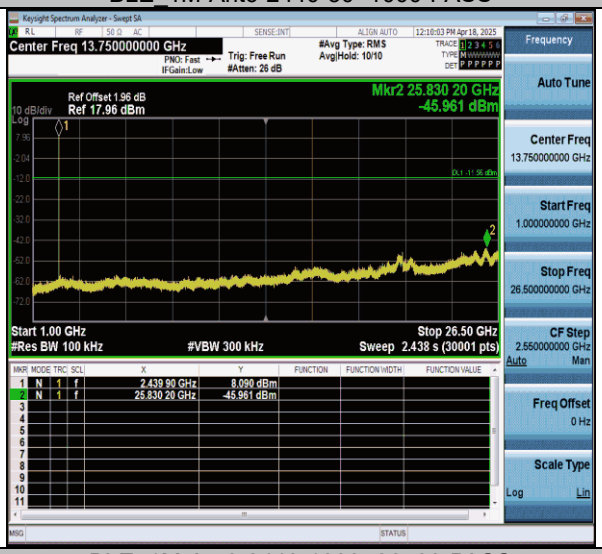
BLE_1M-Ant7-2440-0~Reference-PASS



BLE_1M-Ant6-2440-30~1000-PASS



BLE_1M-Ant7-2440-30~1000-PASS



BLE_1M-Ant6-2440-1000~26500-PASS

BLE_1M-Ant7-2440-1000~26500-PASS

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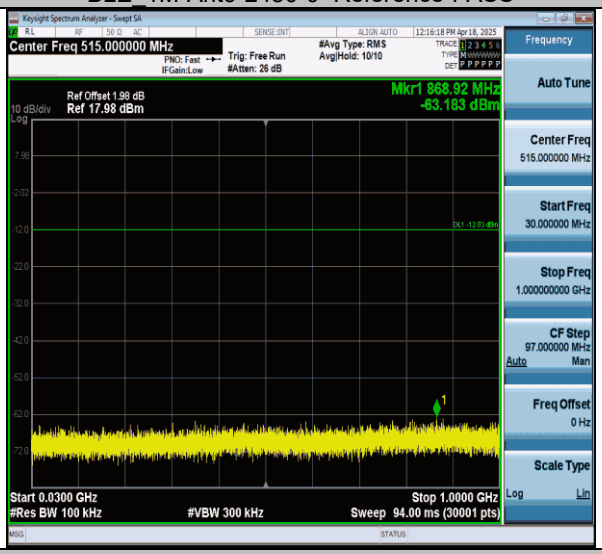
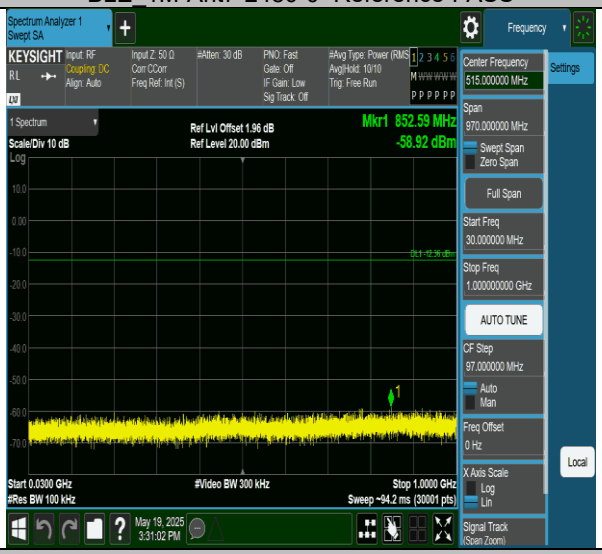
BLE_1M-Ant6-2480-0~Reference-PASS

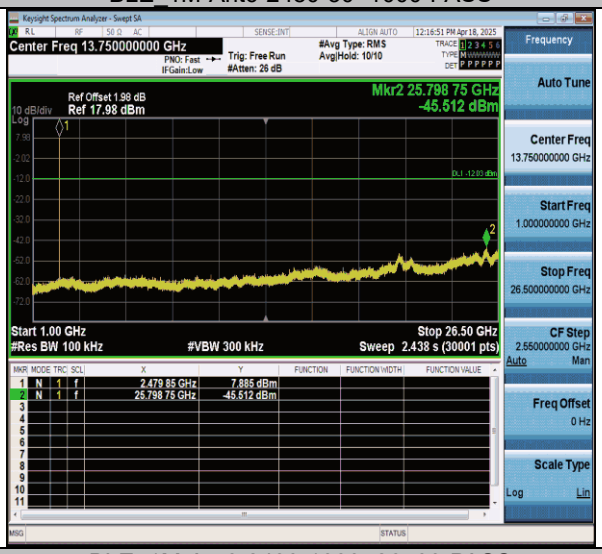
BLE_1M-Ant7-2480-0~Reference-PASS



BLE_1M-Ant6-2480-30~1000-PASS



BLE_1M-Ant7-2480-30~1000-PASS



BLE_1M-Ant6-2480-1000~26500-PASS

BLE_1M-Ant7-2480-1000~26500-PASS

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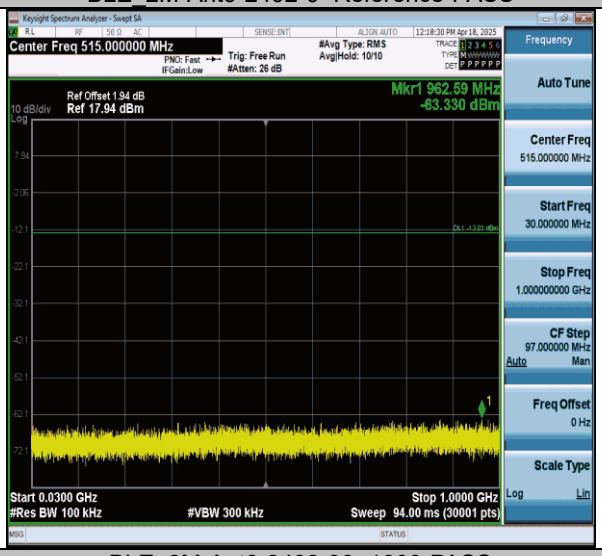
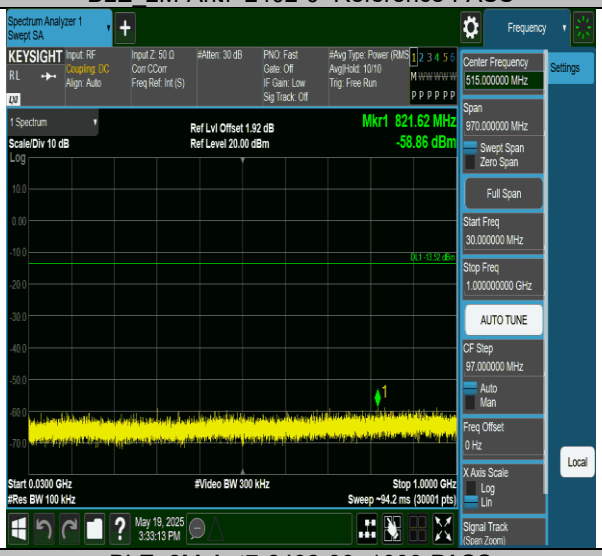
BLE_2M-Ant6-2402-0~Reference-PASS

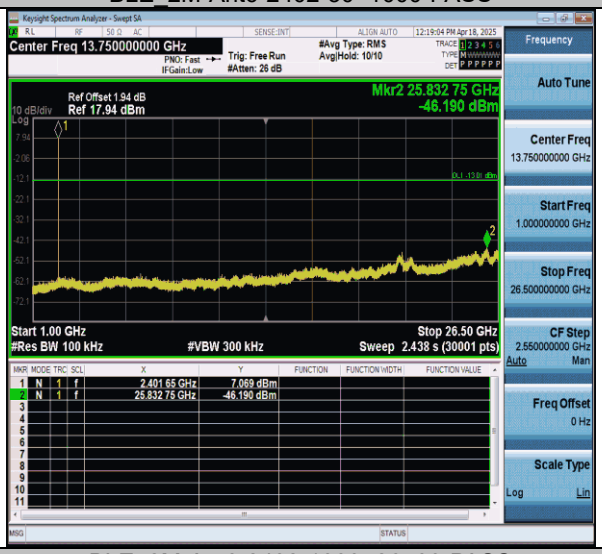
BLE_2M-Ant7-2402-0~Reference-PASS



BLE_2M-Ant6-2402-30~1000-PASS



BLE_2M-Ant7-2402-30~1000-PASS



BLE_2M-Ant6-2402-1000~26500-PASS

BLE_2M-Ant7-2402-1000~26500-PASS

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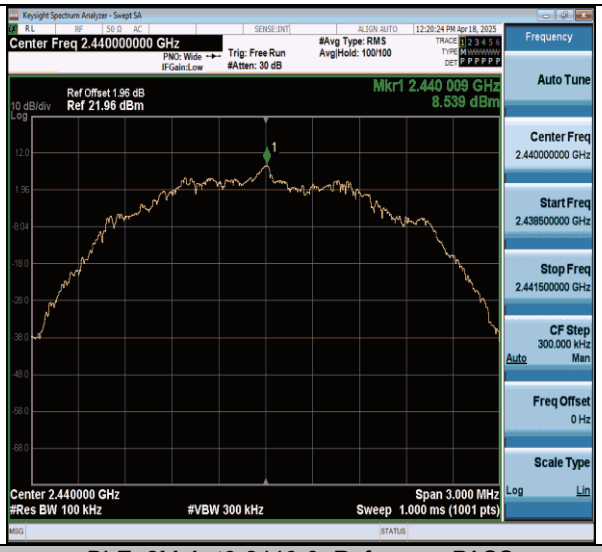
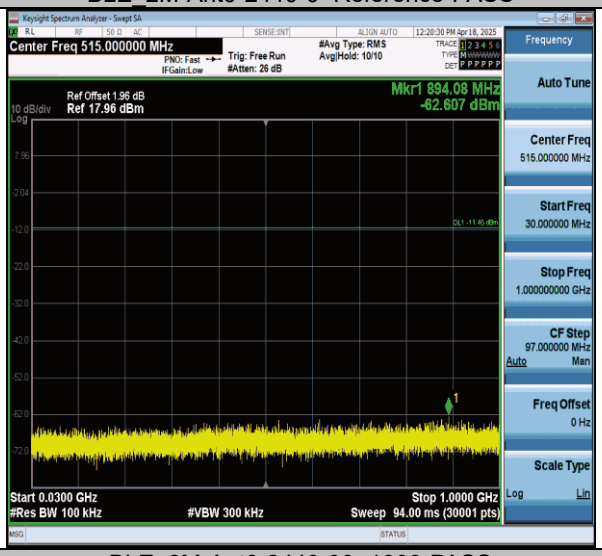
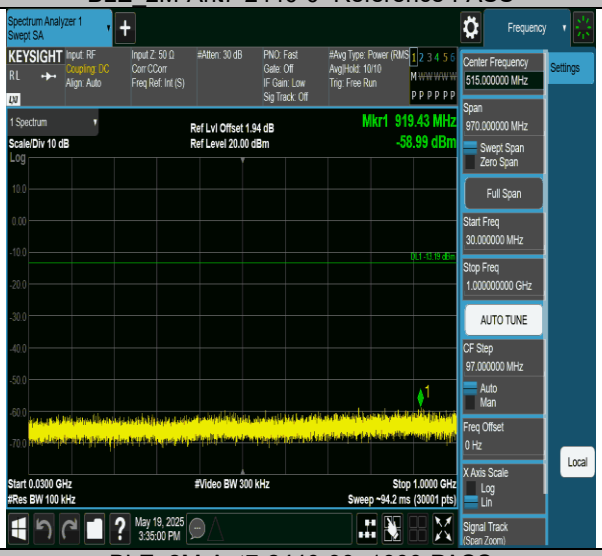


BLE_2M-Ant6-2440-0~Reference-PASS

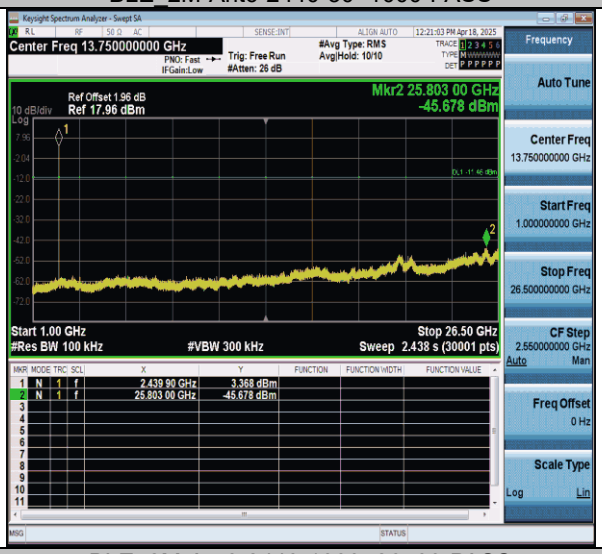
BLE_2M-Ant7-2440-0~Reference-PASS



BLE_2M-Ant6-2440-30~1000-PASS



BLE_2M-Ant7-2440-30~1000-PASS



BLE_2M-Ant6-2440-1000~26500-PASS

BLE_2M-Ant7-2440-1000~26500-PASS

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