

Prüfbericht-Nr.: Test report no.:	CN26GVF2 001	Auftrags-Nr.: Order no.:	170473286	Seite 1 von 28 Page 1 of 28																								
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026.08.27																									
Auftraggeber: Client:	GSOU Technology(Shen Zhen)Co., LTD 14C, Block A, First World Plaza, No.7002 West Hongli Road, Futian District, Shenzhen, China																											
Prüfgegenstand: Test item:	Bluetooth Speaker																											
Bezeichnung / Typ-Nr.: Identification / Type no.:	V3 PRO																											
Auftrags-Inhalt: Order content:	Test Report																											
Prüfgrundlage: Test specification:	FCC CFR Title 47, Part 15, Subpart C, Section 15.247 RSS-247 Issue 4 August 2025 RSS-Gen Issue 5 March 2019																											
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Prüfmuster-Nr.: Test sample no.:	170473286-001																											
Prüfzeitraum: Testing period:	Refer to test report																											
Ort der Prüfung: Place of testing:	Refer to section 2.1																											
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Co., Ltd.																											
Prüfergebnis*: Test result*:	Pass																											
geprüft von: tested by:	 Signed by: Amy Wang		genehmigt von: authorized by:	 Signed by: Storm Shu																								
Datum: Date:	2026-09-08	Ausstellungsdatum: Issue date:	2026-09-08																									
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert																									
Sonstiges / Other:	FCC ID: SXS-V3PRO																											
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged																										
<table border="0"> <tr> <td>* Legende:</td> <td>1 = sehr gut</td> <td>2 = gut</td> <td>3 = befriedigend</td> <td>4 = ausreichend</td> <td>5 = mangelhaft</td> </tr> <tr> <td></td> <td>P(ass) = entspricht o.g. Prüfgrundlage(n)</td> <td>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)</td> <td>N/A = nicht anwendbar</td> <td>N/T = nicht getestet</td> <td></td> </tr> <tr> <td>* Legend:</td> <td>1 = very good</td> <td>2 = good</td> <td>3 = satisfactory</td> <td>4 = sufficient</td> <td>5 = poor</td> </tr> <tr> <td></td> <td>P(ass) = passed a.m. test specification(s)</td> <td>F(ail) = failed a.m. test specification(s)</td> <td>N/A = not applicable</td> <td>N/T = not tested</td> <td></td> </tr> </table>					* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft		P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet		* Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient	5 = poor		P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested	
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Anmerkungen
Remarks

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. <i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i> <i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i>
2	As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. <i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i>
3	Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. <i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i>
4	The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019. <i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 20dB BANDWIDTH

RESULT: Pass

5.1.6 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.8 TIME OF OCCUPANCY

RESULT: Pass

5.1.9 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.10 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.11 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of Bluetooth BR & EDR mode

Appendix B: Test Results of Bluetooth LE for module ATS2853

Appendix C: Test Results of Bluetooth LE for module OM6626B

Appendix D: Test Results of Bluetooth LE for module ESP32-S3

Appendix E: Photographs of the Test Set-up

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2 Test Sites

2.1 Test Facilities

Dongguan Yaxu (AiT) Technology Limited
No. 22, Jinqianling 3rd Street, Jitigang, Huangjiang, Dongguan, Guangdong, China

A2LA Cert. No.: 6317.01

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Conducted Emissionmeasurement						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
☒ 1	EMI Test Receiver	R&S	ESCI	100124	2025.09.25	2026.09.24
☒ 2	LISN	Kyoritsu	KNW-242	8-837-4	2025.09.26	2026.09.25
☒ 3	LISN	R&S	ESH3-Z5	892785/01 6	2025.09.26	2026.09.25
☒ 4	Pulse Limiter	R&S	ESH3-Z2	0357.8810. 54	2025.09.25	2026.09.24
☒ 5	Switch	MFJ Rhinos	MFJ-2702	CZ3457	2025.09.25	2026.09.24
☒ 6	CE Software	EZ	EZ-EMC_CE	Ver.AIT- 03A	N/A	N/A
Radiation Emission measurement						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
☒ 1	EMI Measuring Receiver	R&S	ESPI	100773	2025.09.25	2026.09.24
☒ 2	Spectrum Analyzer	R&S	FSV40	101470	2025.09.23	2026.09.22
☒ 3	Low Noise Pre Amplifier	HP	HP8447E	1937A0185 5	2025.09.25	2026.09.24
☒ 4	Low Noise Pre Amplifier	Com-MW	DLAN8- 18000- 40000-1066	08233242	2026.06.29	2027.06.28
☒ 5	Low Noise Pre Amplifier	Tsj	MLA-0120- A02-34	2648A0473 8	2025.09.25	2026.09.24
☒ 6	Passive Loop	ETS	6512	00165355	2024.09.04	2026.09.03
☒ 7	TRILOG Super Broadband test Antenna	SCHWARZBEC K	VULB-9160	9160-3206	2026.08.29	2028.08.28
☒ 8	Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	452	2024.08.29	2027.08.28
☒ 9	Horn Antenna 15-40GHz	SCHWARZBEC K	BBHA9170	BBHA9170 367	2024.08.28	2027.08.27

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☒ 10	6dB Attenuator	JFW	50FPE-006	43608 46-494-1	2025.09.26	2026.09.25
☒ 11	RE Software	EZ	EZ-EMC_RE	Ver.AIT-03A	N/A	N/A

RF Conducted measurement

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
☒ 1	Spectrum Analyzer	R&S	FSV40	101470	2025.09.26	2026.09.25
☒ 2	RF Automatic Test system	MW	MW100-RFCB	21033016	2025.09.26	2026.09.25
☒ 3	Signal Generator	Agilent	N5182A	MY50143009	2025.09.26	2026.09.25
☒ 4	Wideband Radio communication tester	R&S	CMW500	135866	2025.09.23	2026.09.22
☒ 5	RF Automatic Test system(Power meter)	MW	MW100-PSB	Frequency range: 9kHz-26.5GHz; Power measuring Range: 10MHz~6GHz / -40dBm~+20dBm	2025.09.26	2026.09.25
☒ 6	DC power supply	ZHAOXIN	RXN-305D-2	28070002559	2025.09.23	2026.09.22
☒ 7	RF Software	MW	MTS 8310	2.0.0.0	N/A	N/A
☒ 8	temporary antenna connector(Note)	NTS	R001	N/A	N/A	N/A

Note: ☐ is not applicable in this Test Report. ☒ is applicable in this Test Report.

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	±0.16dB
Occupied Channel Bandwidth	±1.5x10 ⁻⁶
RF power density, conducted	±0.24dB
Unwanted Emissions, conducted	±0.21dB
All emissions, radiated	±3.88 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	±1.20 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C & D of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Dongguan Yaxu (AiT) Technology Limited. Test facility located at No. 22, Jinqianling 3rd Street, Jitigang, Huangjiang, Dongguan, Guangdong, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is Speaker and it has three different Bluetooth modules, one is model ATS2853, the second is model OM6626B and the other is mode ATS2853.

Model ATS2853 supports Bluetooth dual mode wireless technology, while models OM6626B and ESP32-S3 support Bluetooth (BLE) Single mode only. Please refer to the technical specification in section 3.2 for detailed information.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Bluetooth Speaker
Type Designation:	V3 PRO
FCC ID:	SXS-V3PRO
Trademark:	dprofy
Operating Voltage:	DC 3.6V from battery or DC 5/9/12V from external circuit
Battery:	DC 3.6V, 10.05Ah, 36.18Wh
Operating Temperature Range:	0 ° C ~ +40 ° C
Technical Specification of Bluetooth (ATS2853)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Channel Number:	BR & EDR mode:79 channels, Low Energy mode:40 channels
Channel Separation:	BR & EDR mode:1MHz, Low Energy mode:2MHz
Data Rate:	BR & EDR mode: 1Mbps, 2Mbps, 3Mbps Low Energy mode: 1Mbps, 2Mbps
Antenna Type:	PCB Antenna
Antenna Gain:	0.75 dBi (Provided by the Client)
Technical Specification of Bluetooth (OM6626B)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2MHz
Data Rate:	1Mbps, 2Mbps
Antenna Type:	PCB Antenna
Antenna Gain:	2.10 dBi (Provided by the Client)

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Technical Specification of Bluetooth (ESP32-S3)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2MHz
Data Rate:	1Mbps, 2Mbps
Antenna Type:	FPC Antenna
Antenna Gain:	2.33 dBi (Provided by the Client)

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Table 4: RF Channel and Frequency of Bluetooth BR & EDR

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00		

Test frequencies are lowest channel: 2402 MHz, middle channel: 2441 MHz and highest channel: 2480 MHz for Bluetooth BR & EDR

Table 5: RF Channel and Frequency of Bluetooth LE

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

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for Bluetooth LE

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode (BR & EDR mode)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Bluetooth transmitting mode (Bluetooth LE mode)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- C. On, Transmitting on Hopping channel
- D. On, Charging by Adapter
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|------------------------------|-------------------------|
| - Application Form | - Operation Description |
| - ID Label and Location Info | - Block Diagram |
| - Schematics | - PCB Layout |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024.

According to clause 3.1, all tests were performed on model V3 PRO in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Adapter	NOKIA	AD-10WU	N/A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

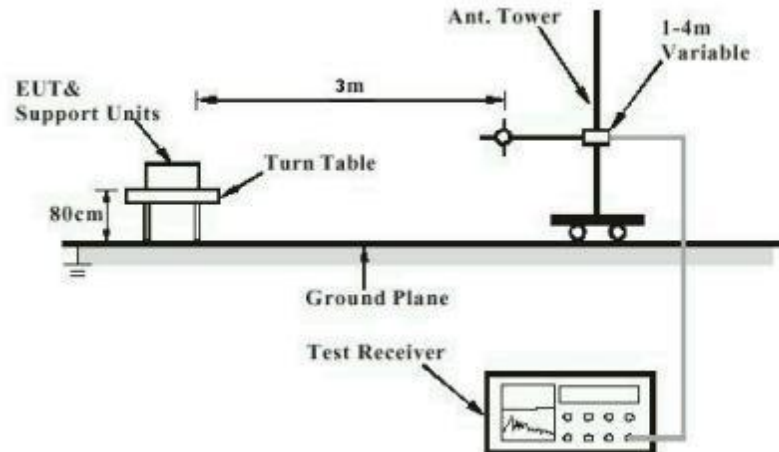


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

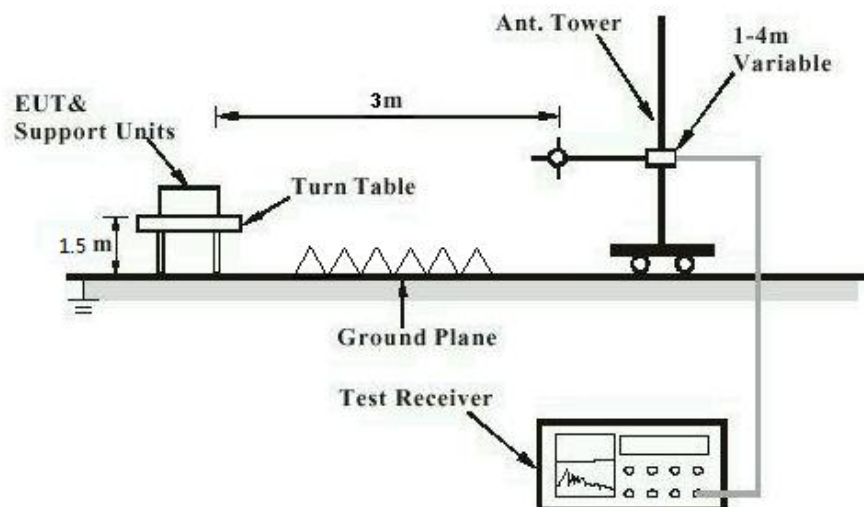


Diagram of Measurement Configuration for Mains Conduction Measurement

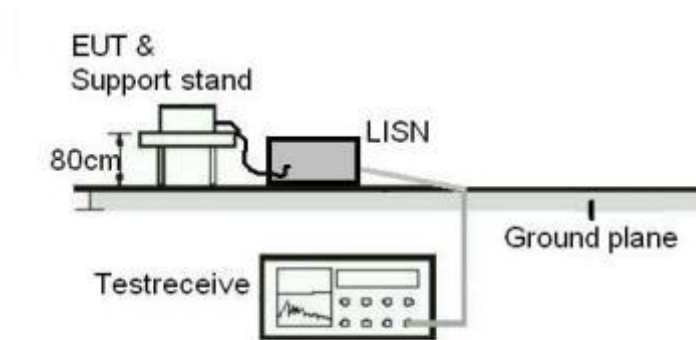
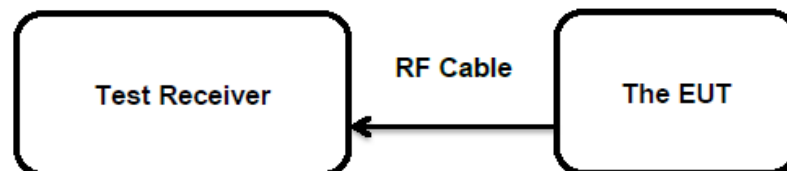


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203

The EUT has an PCB Antenna(ATS2853/OM6626B) and FPC Antenna(ESP32-S3) , the directional gain of antenna are 0.75 dBi (for module ATS2853), 2.10 dBi (for module OM6626B),2.33 dBi (for module ESP32-S3), and the antenna connector is designed with permanent attachment and no consideration of replacement.

Therefore, the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(1)&(3)
Basic standard : ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits : FHSS < 0.125 Watts, DSSS < 1.0 Watts
Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-05 to 2026-09-01
Input voltage : Internal battery operated (3.60V DC)
Operation mode : A, B
Test channel : Low / Middle / High
Ambient temperature : 22.8 °C
Relative humidity : 35 %
Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 7: Test Result of Maximum Peak Conducted Output Power, Bluetooth BR & EDR

ATS2853:

Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2.25	21	Pass
	MCH	2.21	21	Pass
	HCH	2.28	21	Pass
π/4DQPSK	LCH	2.00	21	Pass
	MCH	2.62	21	Pass
	HCH	2.51	21	Pass
8DPSK	LCH	2.09	21	Pass
	MCH	2.61	21	Pass
	HCH	2.71	21	Pass

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	2.33	30	Pass
BLE 1M	2440	2.44	30	Pass
BLE 1M	2480	2.39	30	Pass
BLE 2M	2402	2.25	30	Pass
BLE 2M	2440	2.37	30	Pass
BLE 2M	2480	2.30	30	Pass

Max. e.i.r.p.=2.71dBm+0.75dBi=3.49dBm, which is less than 36dBm=4W.

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OM6626B:

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	0.51	30	Pass
BLE 1M	2440	0.24	30	Pass
BLE 1M	2480	-0.16	30	Pass
BLE 2M	2402	0.52	30	Pass
BLE 2M	2440	0.25	30	Pass
BLE 2M	2480	-0.15	30	Pass

Max. e.i.r.p.=0.52dBm+2.10dBi=2.62dBm, which is less than 36dBm=4W.

ESP32-S3:

Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
BLE 1M	2402	-0.06	30	Pass
BLE 1M	2440	0.07	30	Pass
BLE 1M	2480	-0.75	30	Pass
BLE 2M	2402	0.04	30	Pass
BLE 2M	2440	0.26	30	Pass
BLE 2M	2480	-0.66	30	Pass

Max. e.i.r.p.=0.26dBm+2.33dBi=2.59dBm, which is less than 36dBm=4W.

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 0.75 dBi (for ATS2853), 2.10 dBi(for OM6626B), 2.33 dBi(for ESP32-S3)

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 15.247(e)
Basic standard	:	ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	:	< 8 dBm / 3kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-06-05 to 2026-09-01
Input voltage	:	Internal battery operated (3.60V DC)
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	22.8 °C
Relative humidity	:	35 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B & C & D

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5.1.4 6dB Bandwidth

RESULT:

Pass

Test Specification

Test standard	:	FCC Part 15.247(a)(2)
Basic standard	:	ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	:	> 500 KHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-06-05 to 2026-09-01
Input voltage	:	Internal battery operated (3.60V DC)
Operation mode	:	B
Test channel	:	Low / Middle / High
Ambient temperature	:	22.8 °C
Relative humidity	:	35 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B & C & D

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5.1.5 20dB Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(1)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: Internal battery operated (3.60V DC)
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 22.8 °C
Relative humidity	: 35 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.6 Carrier Frequency Separation

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(1)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	: $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: Internal battery operated (3.60V DC)
Operation mode	: C
Test channel	: Low / Middle / High
Ambient temperature	: 22.8 °C
Relative humidity	: 35 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.7 Number of Hopping Frequency

RESULT:

Pass

Test Specification

Test standard	: FCC part 15.247(a)(1)(iii)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	: ≥ 15 non-overlapping channels
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: Internal battery operated (3.60V DC)
Operation mode	: C
Ambient temperature	: 22.8 °C
Relative humidity	: 35 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.8 Time of Occupancy

RESULT:

Pass

Test Specification

Test standard	: FCC part 15.247(a)(1)(iii)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	: < 0.4s
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: Internal battery operated (3.60V DC)
Operation mode	: C
Test channel	: Low / Middle / High
Ambient temperature	: 22.8 °C
Relative humidity	: 35 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.9 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: Internal battery operated (3.60V DC)
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: 22.8 °C
Relative humidity	: 35 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A & B & C & D.

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5.1.10 Radiated Spurious Emission

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: Internal battery operated (3.60V DC)
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

(1) Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

(2) A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.

For the measurement records, refer to the appendix A & B & C & D.

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5.1.11 Conducted Emission on AC Mains

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.207(a)
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+COR. 1:2023+C63.10A:2024
Frequency range	: 0.15 – 30MHz
Classification	: Class B
Limits	: FCC Part 15.207(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-05 to 2026-09-01
Input voltage	: 120V AC (supplied by adapter)
Operation mode	: D
Earthing	: Not connected
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

All modes tested, only the worst-case reported.

For the measurement records, refer to the appendix C.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix E.

7 List of Tables

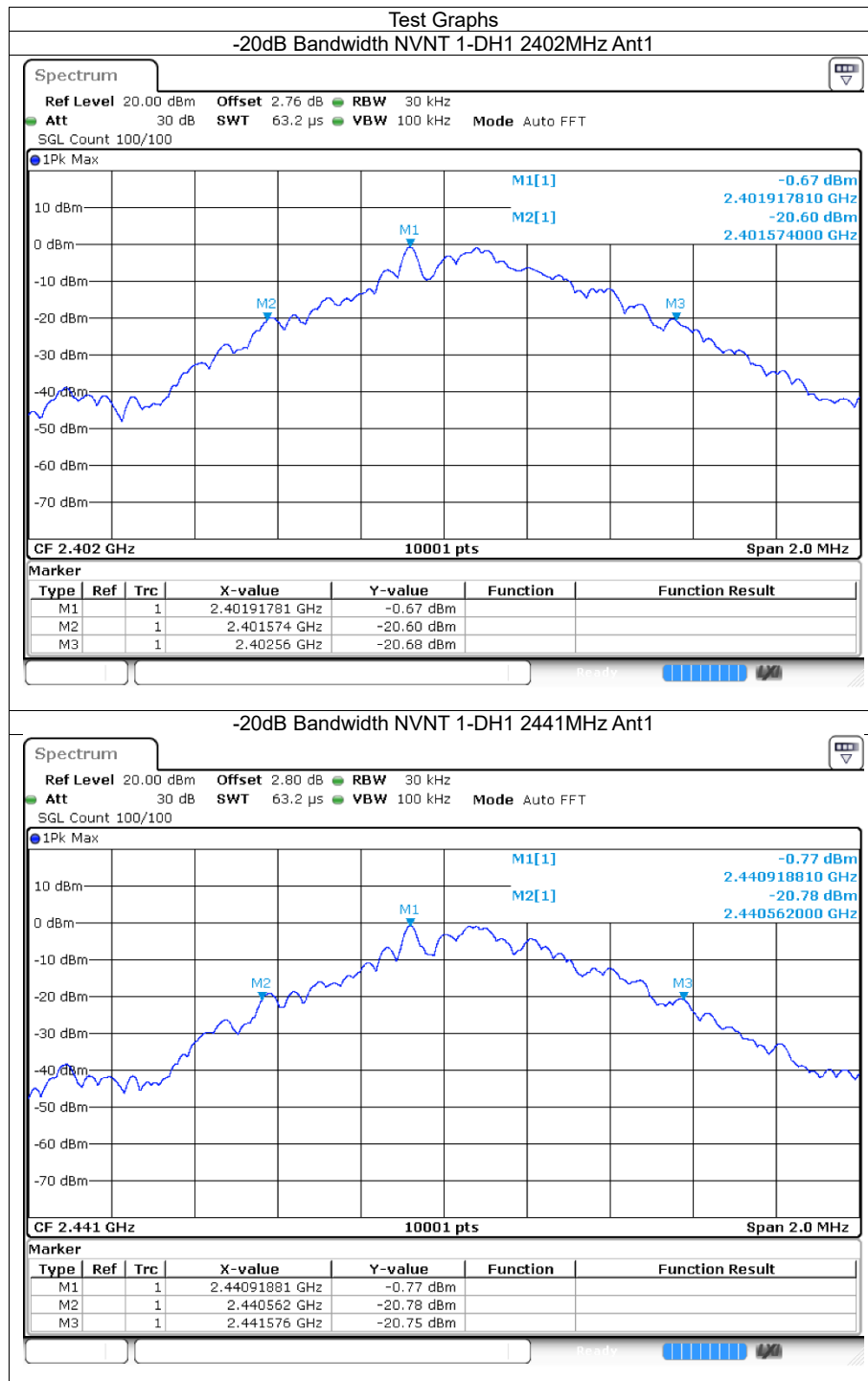
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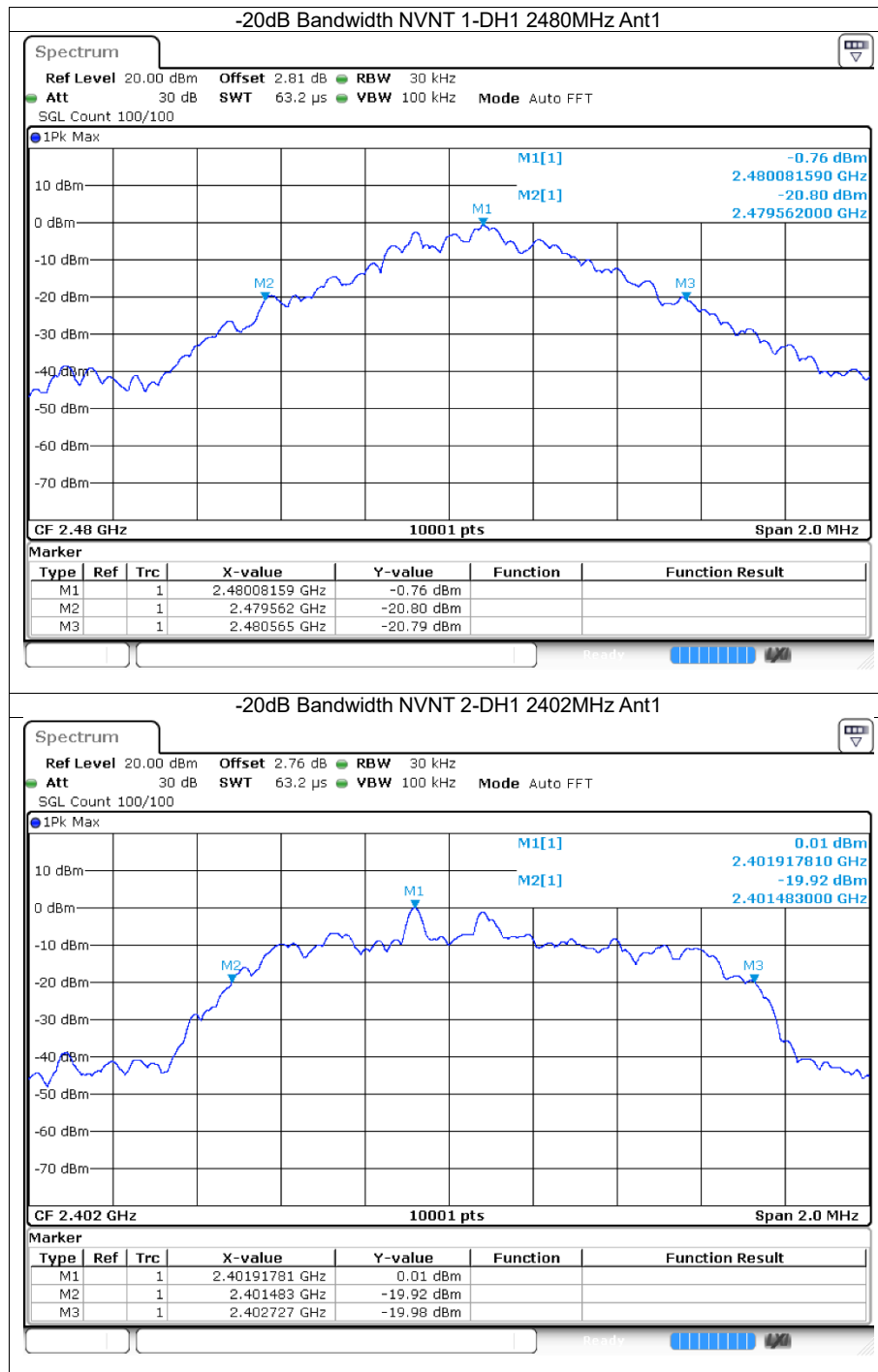
Appendix A: Test Results of Bluetooth BR & EDR mode

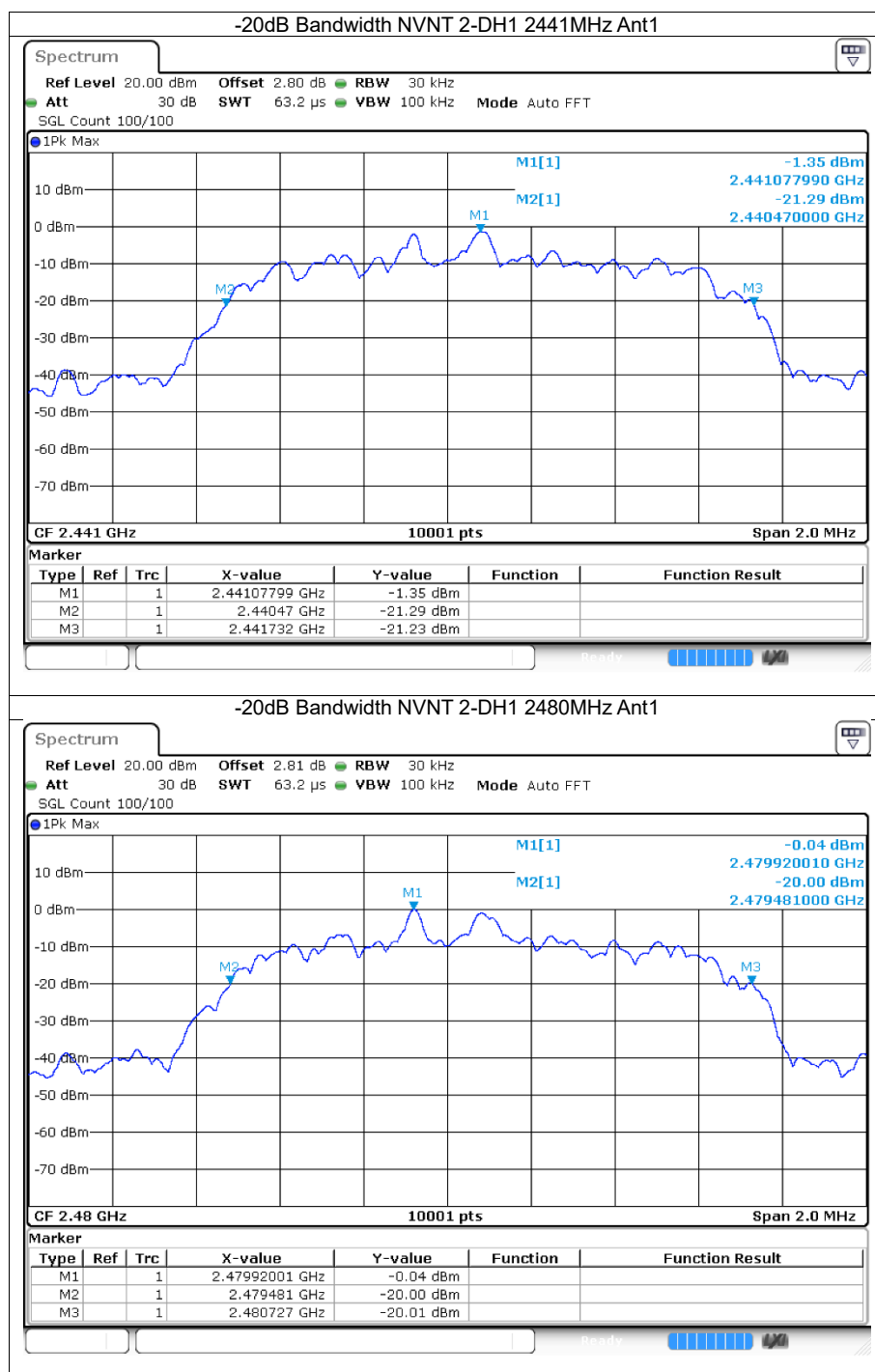
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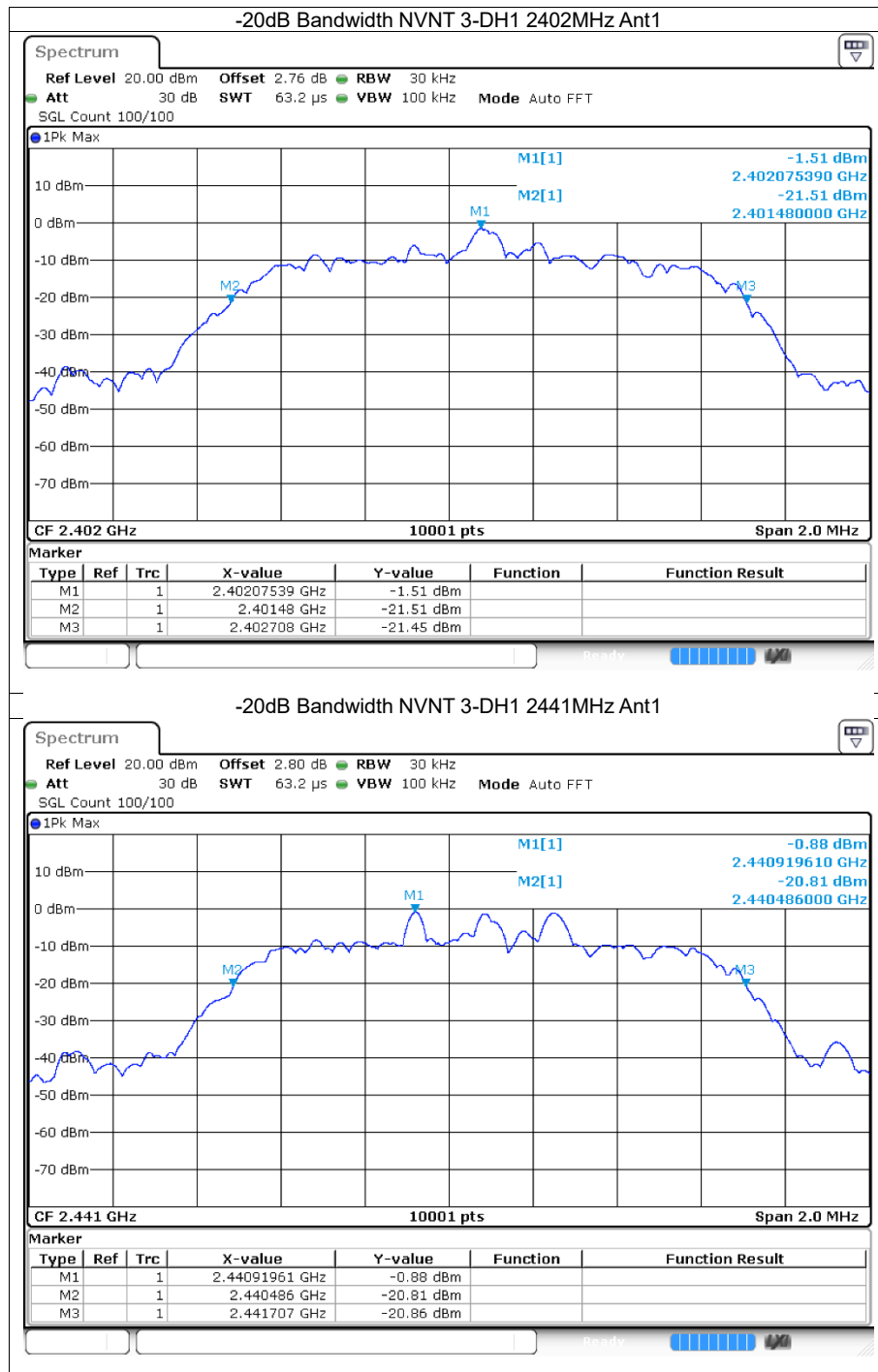
Appendix A.1: Test Results of 20dB Bandwidth

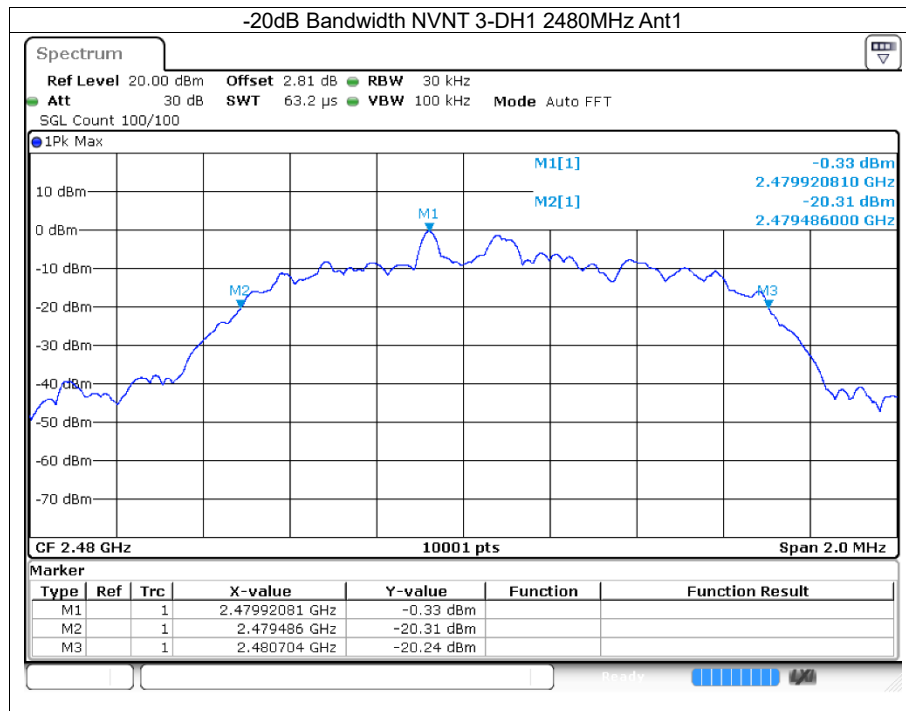
Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
1-DH1	2402	Ant1	0.986	0	Pass
1-DH1	2441	Ant1	1.014	0	Pass
1-DH1	2480	Ant1	1.002	0	Pass
2-DH1	2402	Ant1	1.244	0	Pass
2-DH1	2441	Ant1	1.263	0	Pass
2-DH1	2480	Ant1	1.246	0	Pass
3-DH1	2402	Ant1	1.228	0	Pass
3-DH1	2441	Ant1	1.221	0	Pass
3-DH1	2480	Ant1	1.218	0	Pass





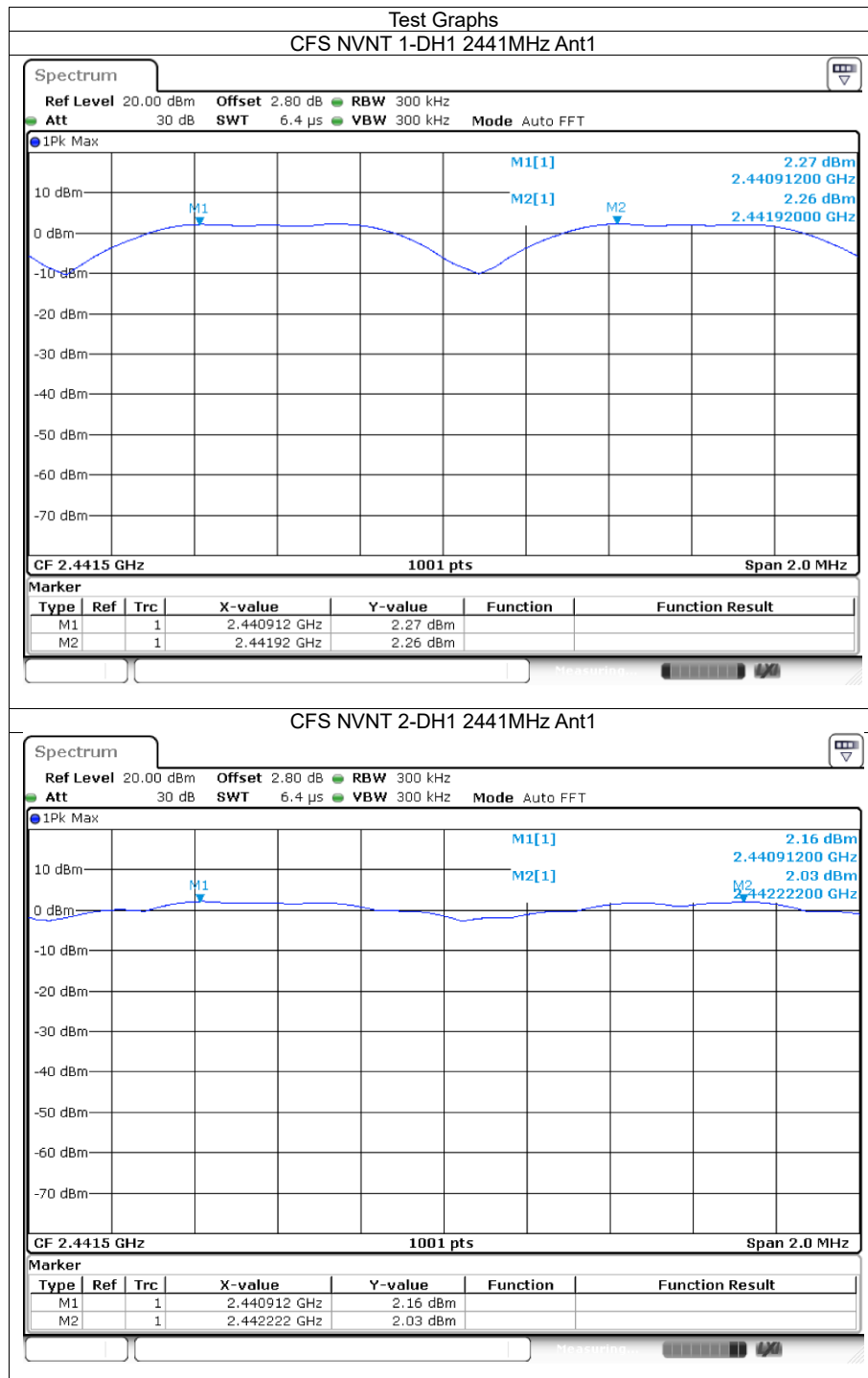


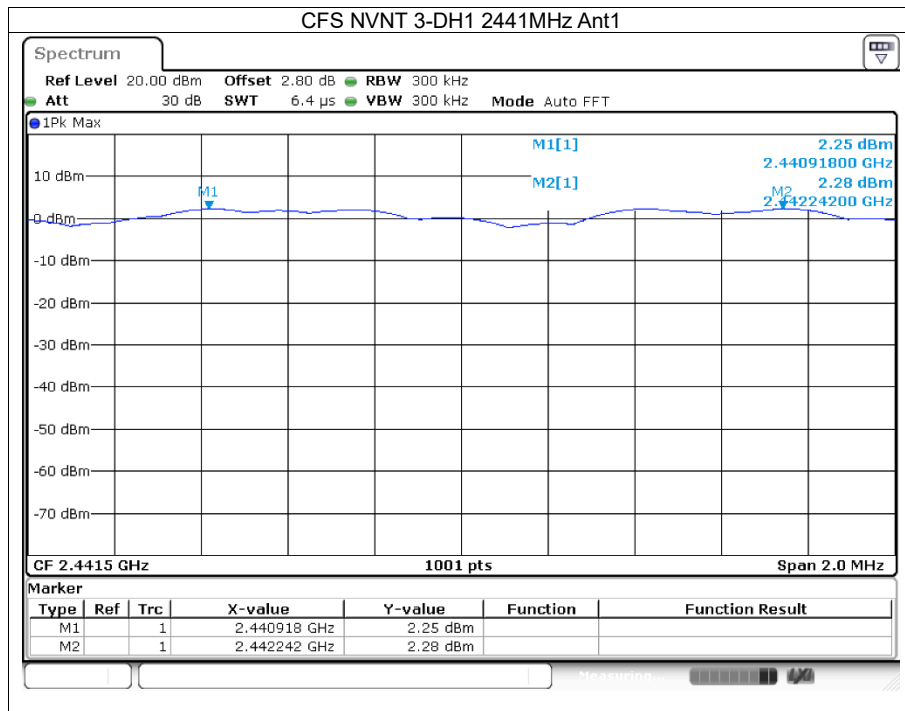




Appendix A.2: Test Results of Carrier Frequency Separation

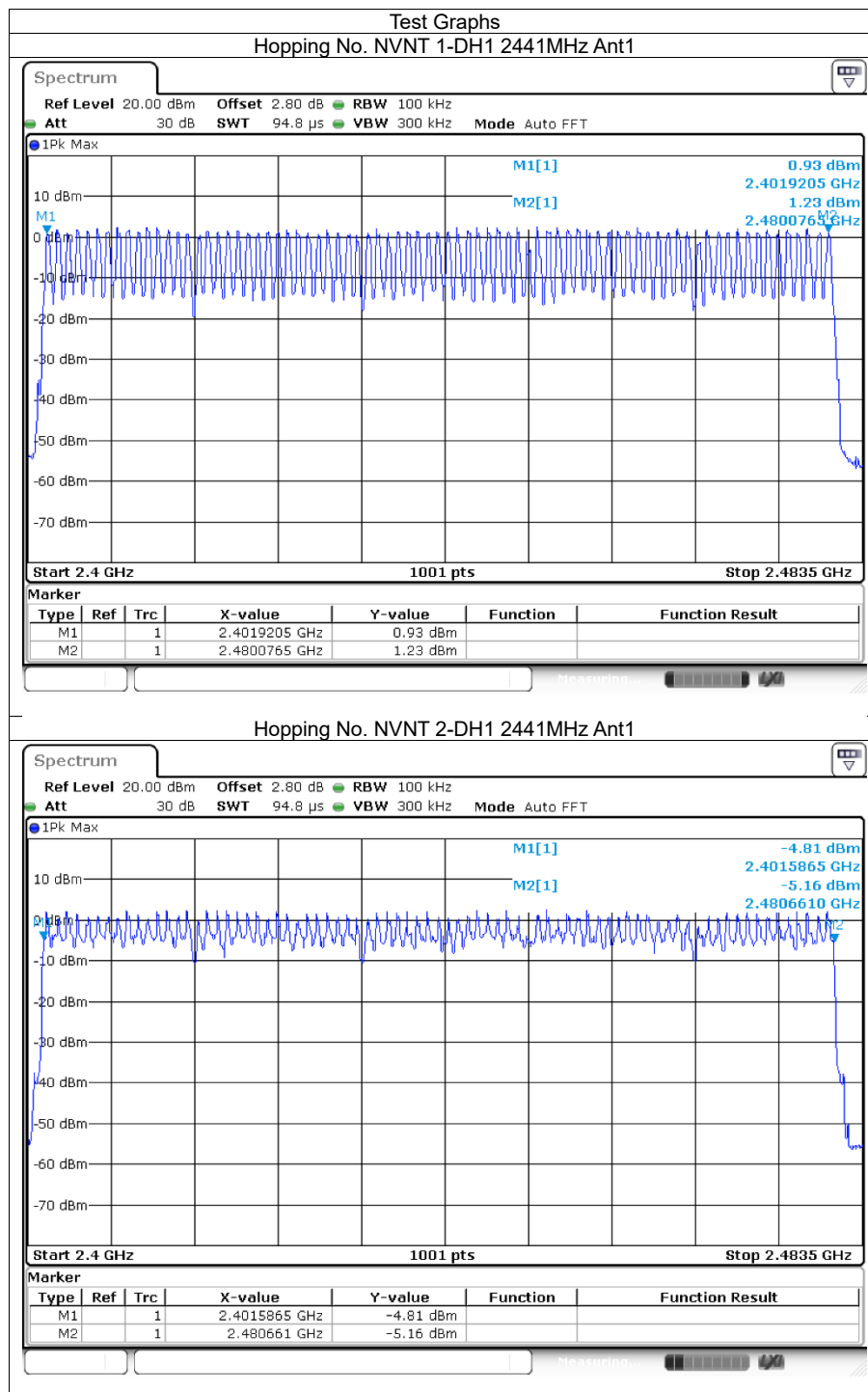
Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH1	Ant1	2440.912	2441.920	1.008	0.676	Pass
2-DH1	Ant1	2440.912	2442.222	1.31	0.842	Pass
3-DH1	Ant1	2440.918	2442.242	1.324	0.814	Pass

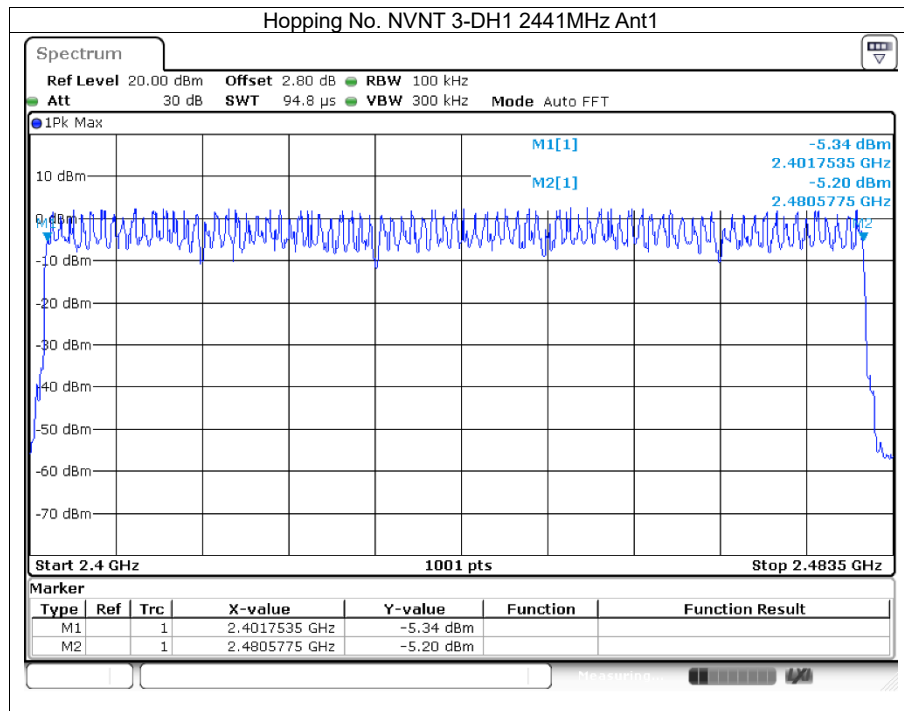




Appendix A.3: Test Results of Number of Hopping Frequency

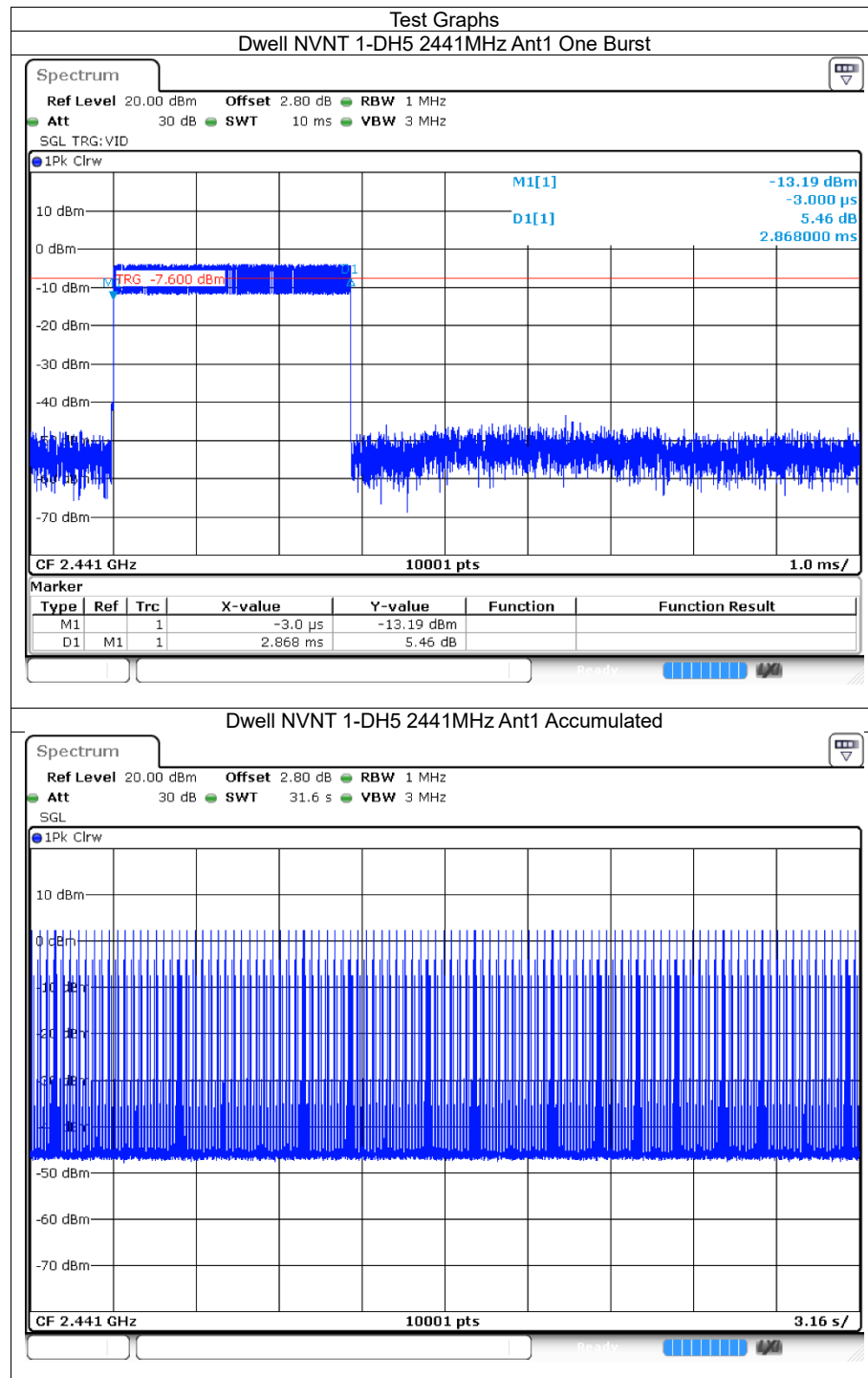
Mode	Antenna	Hopping Number	Limit	Verdict
1-DH1	Ant1	79	15	Pass
2-DH1	Ant1	79	15	Pass
3-DH1	Ant1	79	15	Pass

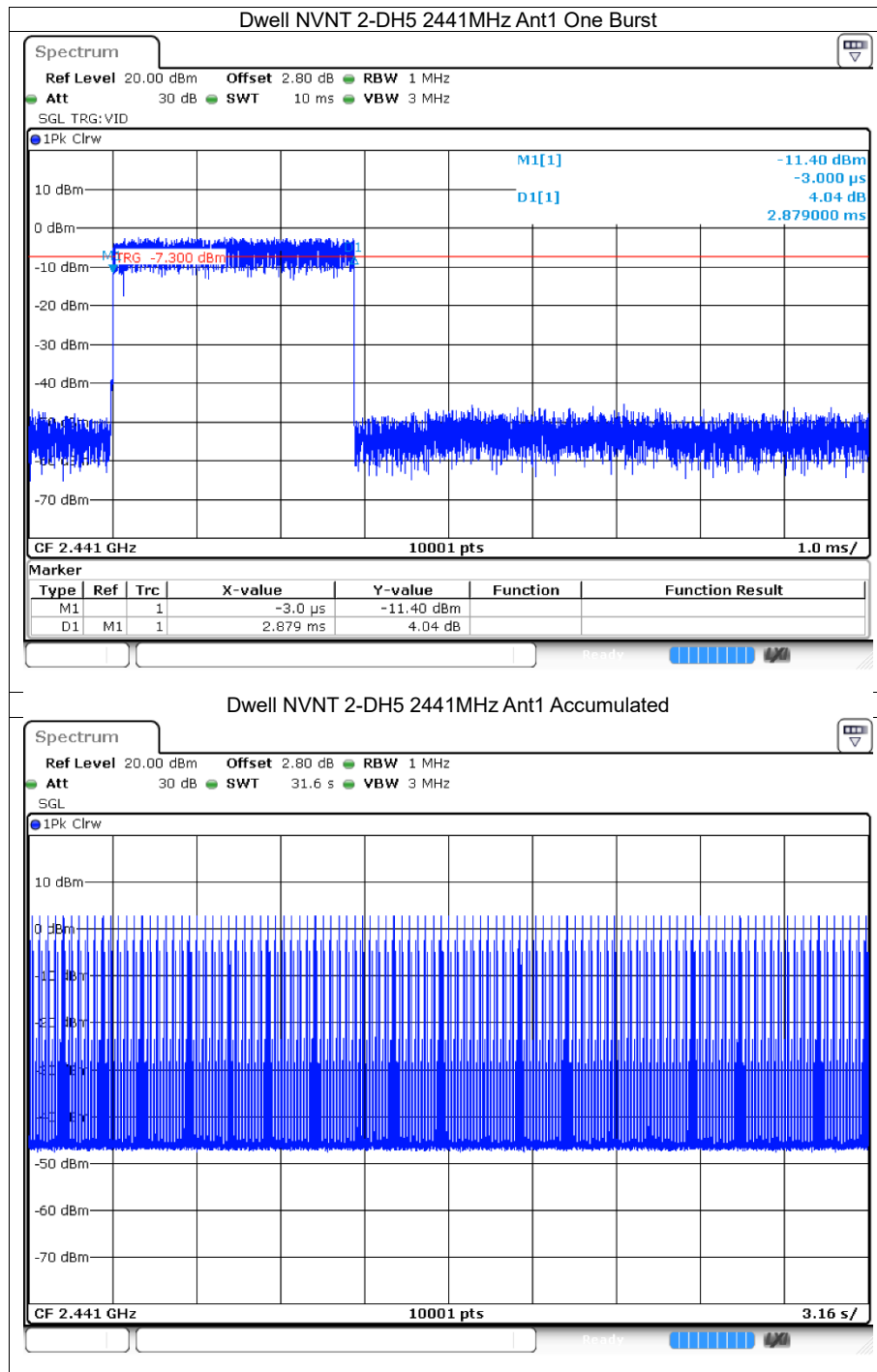


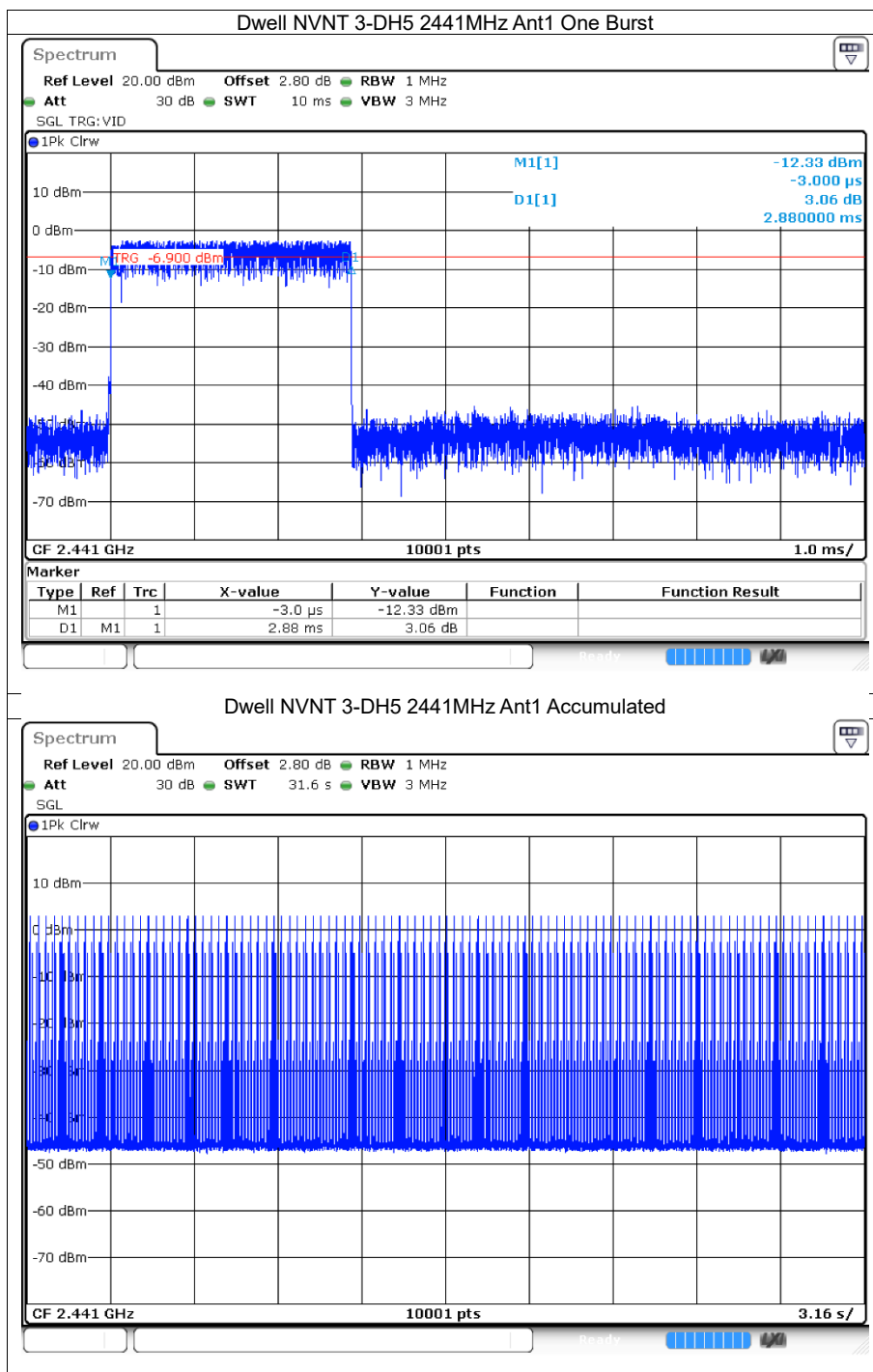


Appendix A.4: Test Results of Time of Occupancy

Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH5	2441	Ant1	2.868	107	306.876	31600	400	Pass
2-DH5	2441	Ant1	2.879	107	308.053	31600	400	Pass
3-DH5	2441	Ant1	2.88	106	305.28	31600	400	Pass





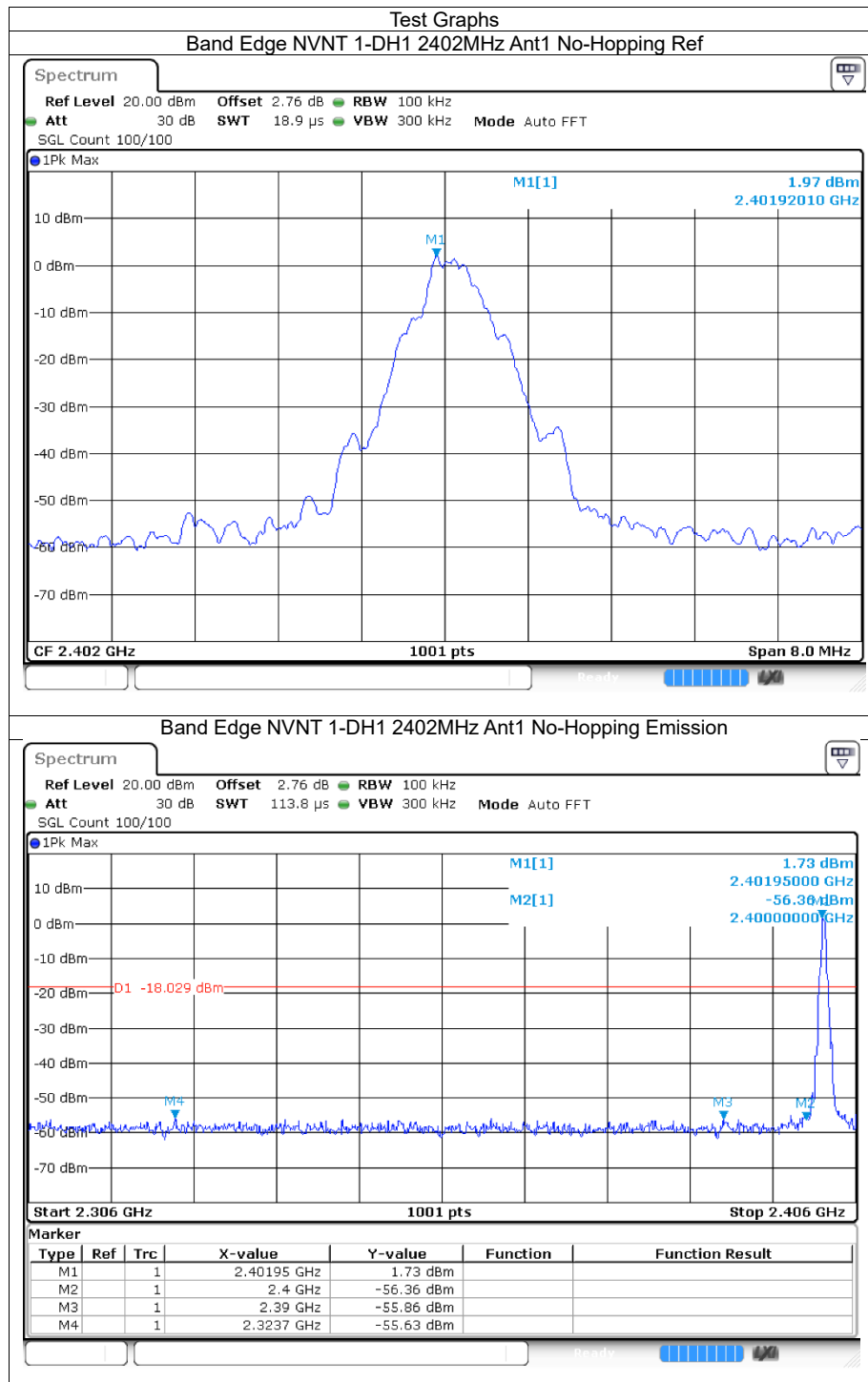


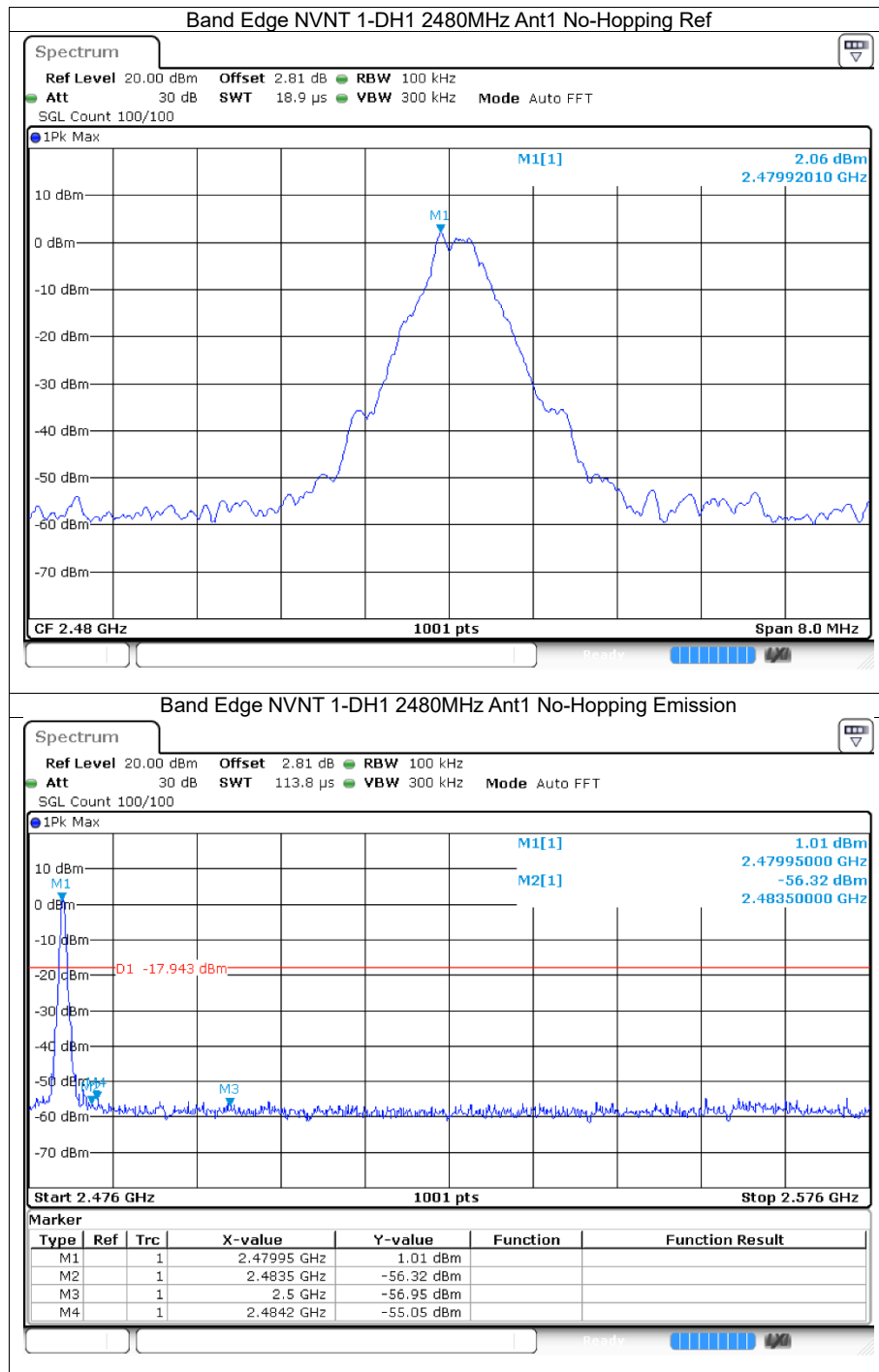
Appendix A.5: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

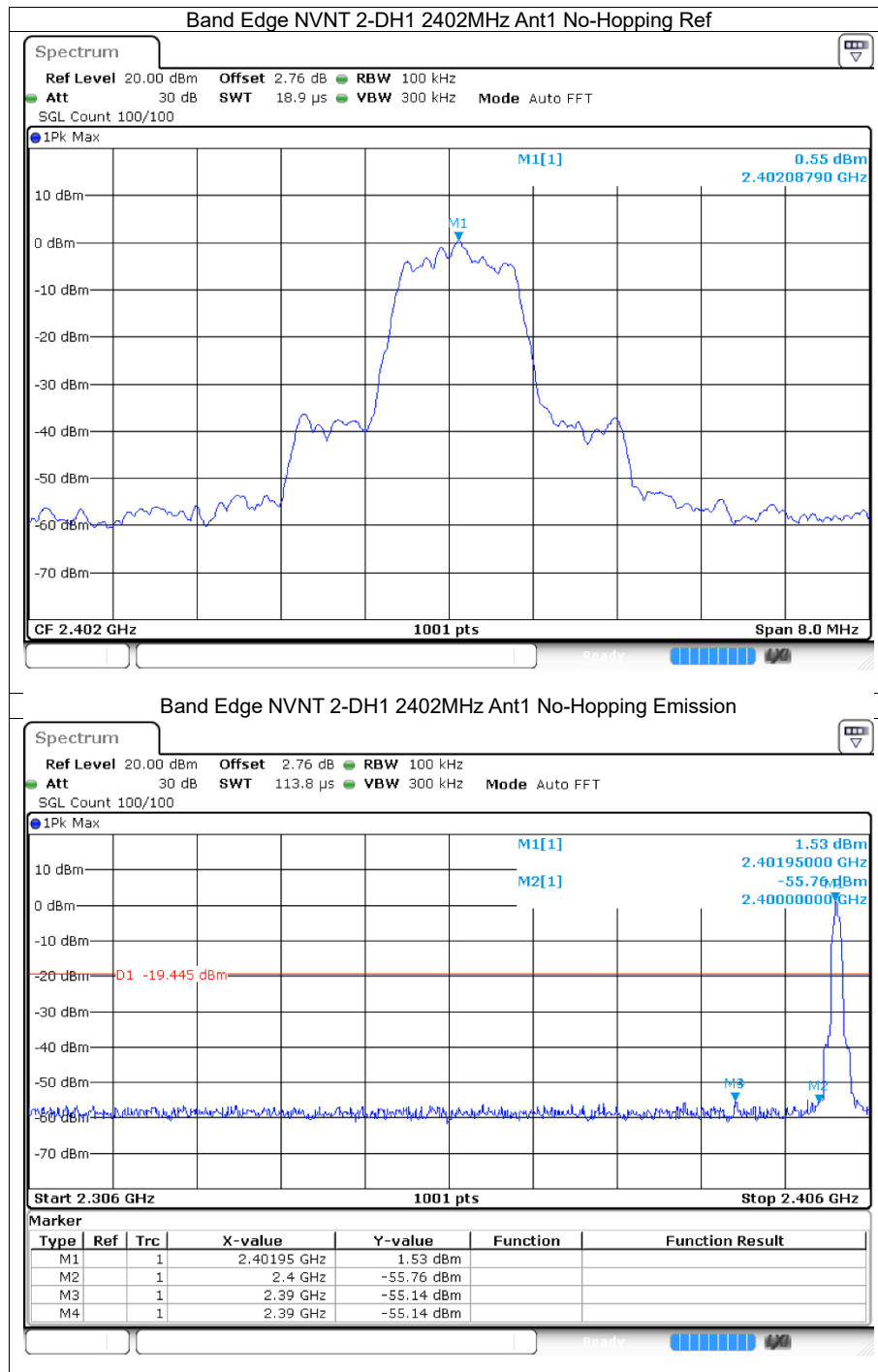
Band Edge

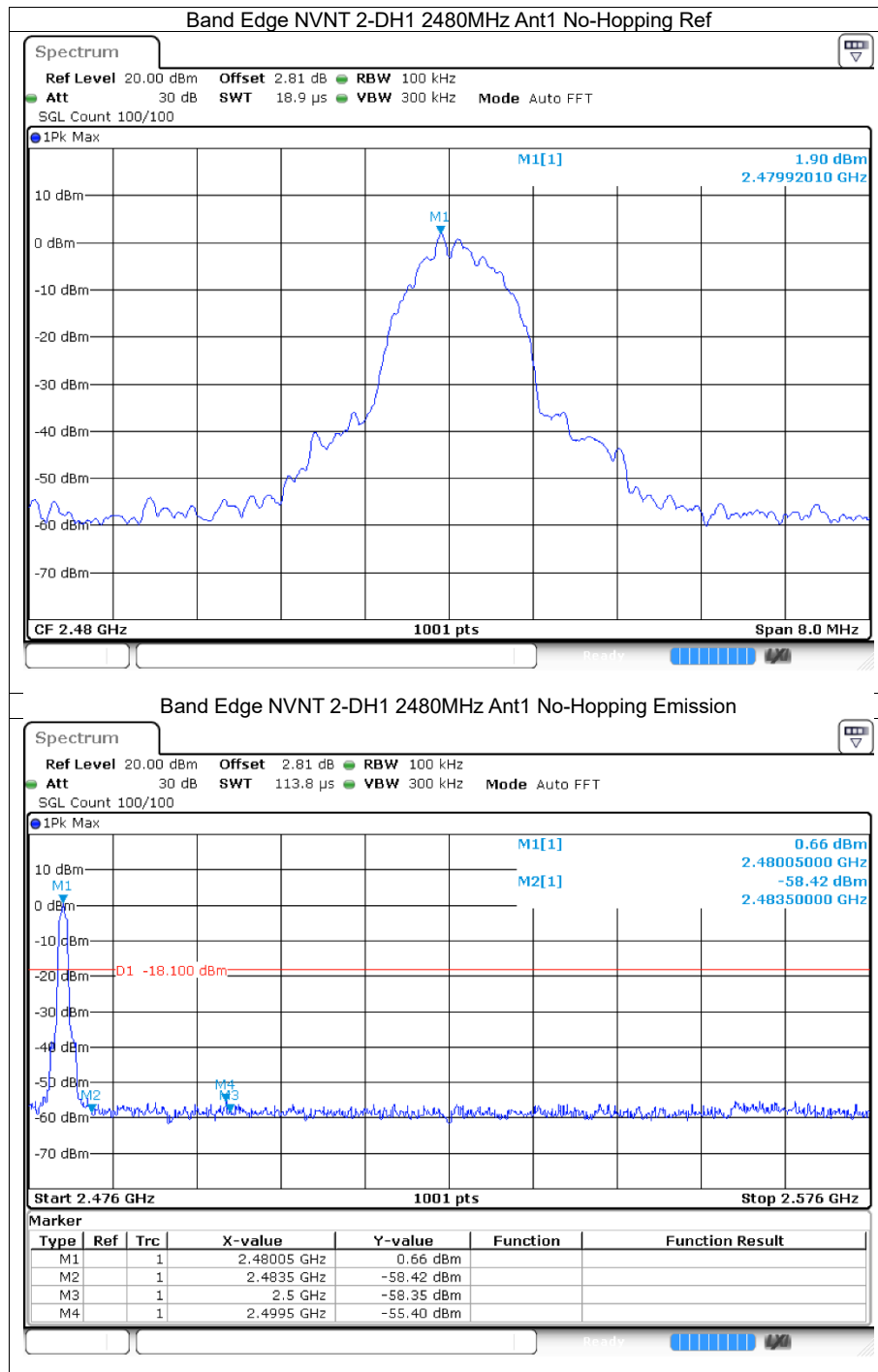
Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH1	2402	Ant1	No-Hopping	-57.6	-20	Pass
1-DH1	2480	Ant1	No-Hopping	-57.1	-20	Pass
2-DH1	2402	Ant1	No-Hopping	-55.69	-20	Pass
2-DH1	2480	Ant1	No-Hopping	-57.29	-20	Pass
3-DH1	2402	Ant1	No-Hopping	-55.74	-20	Pass
3-DH1	2480	Ant1	No-Hopping	-54.89	-20	Pass

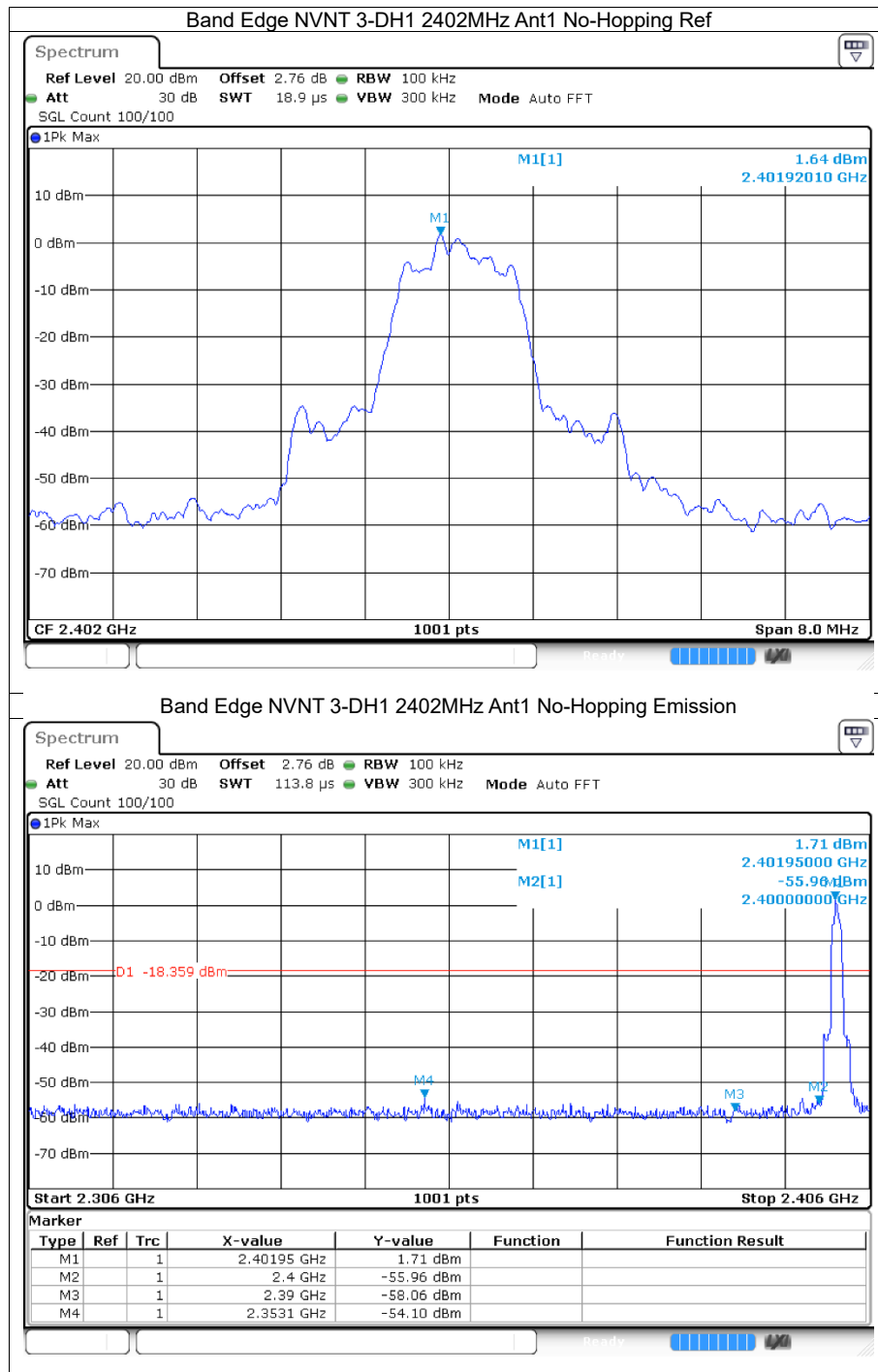
Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH1	2402	Ant1	Hopping	-56.08	-20	Pass
1-DH1	2480	Ant1	Hopping	-56.22	-20	Pass
2-DH1	2402	Ant1	Hopping	-56.52	-20	Pass
2-DH1	2480	Ant1	Hopping	-55.65	-20	Pass
3-DH1	2402	Ant1	Hopping	-55.72	-20	Pass
3-DH1	2480	Ant1	Hopping	-56.65	-20	Pass

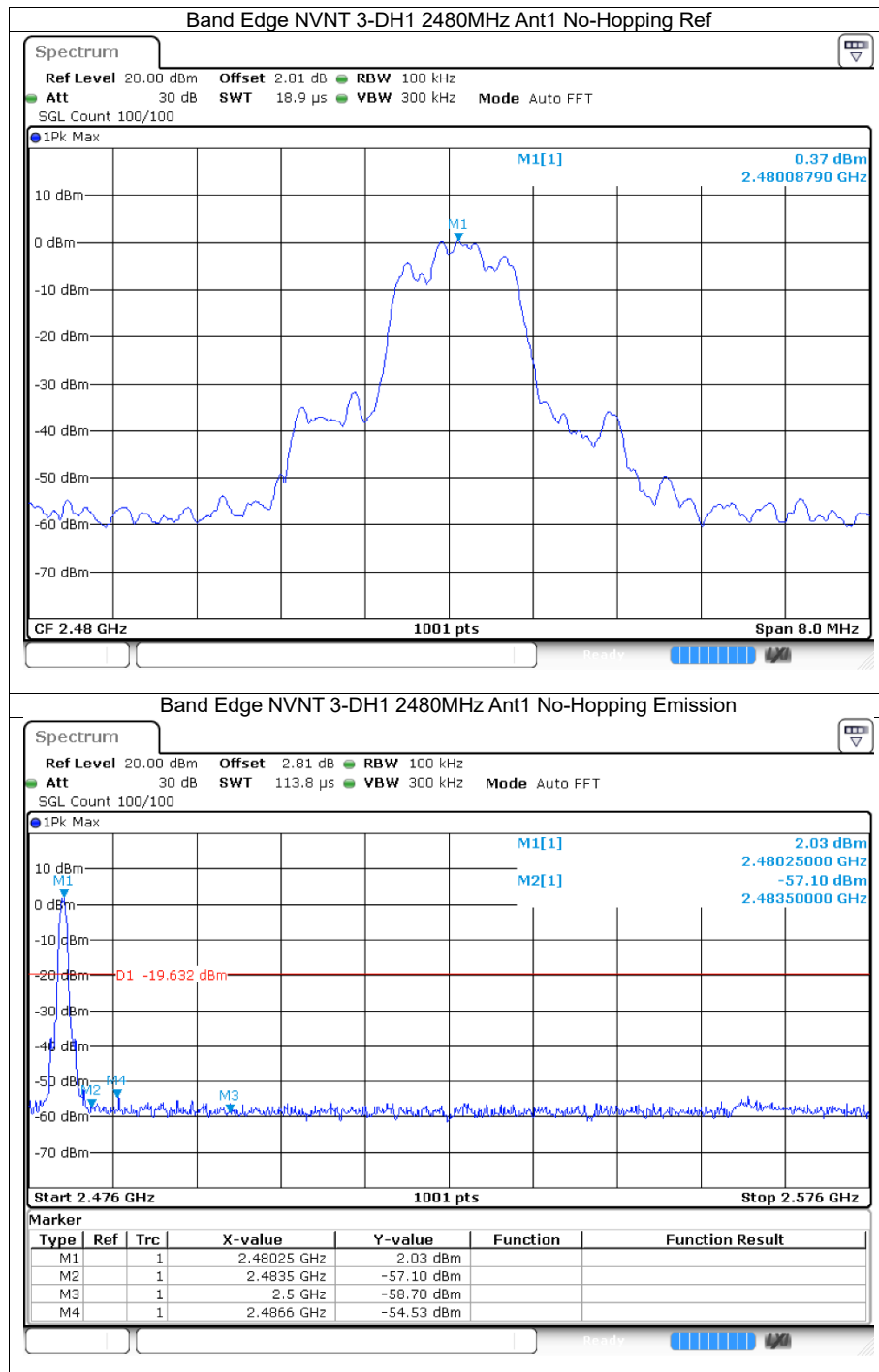


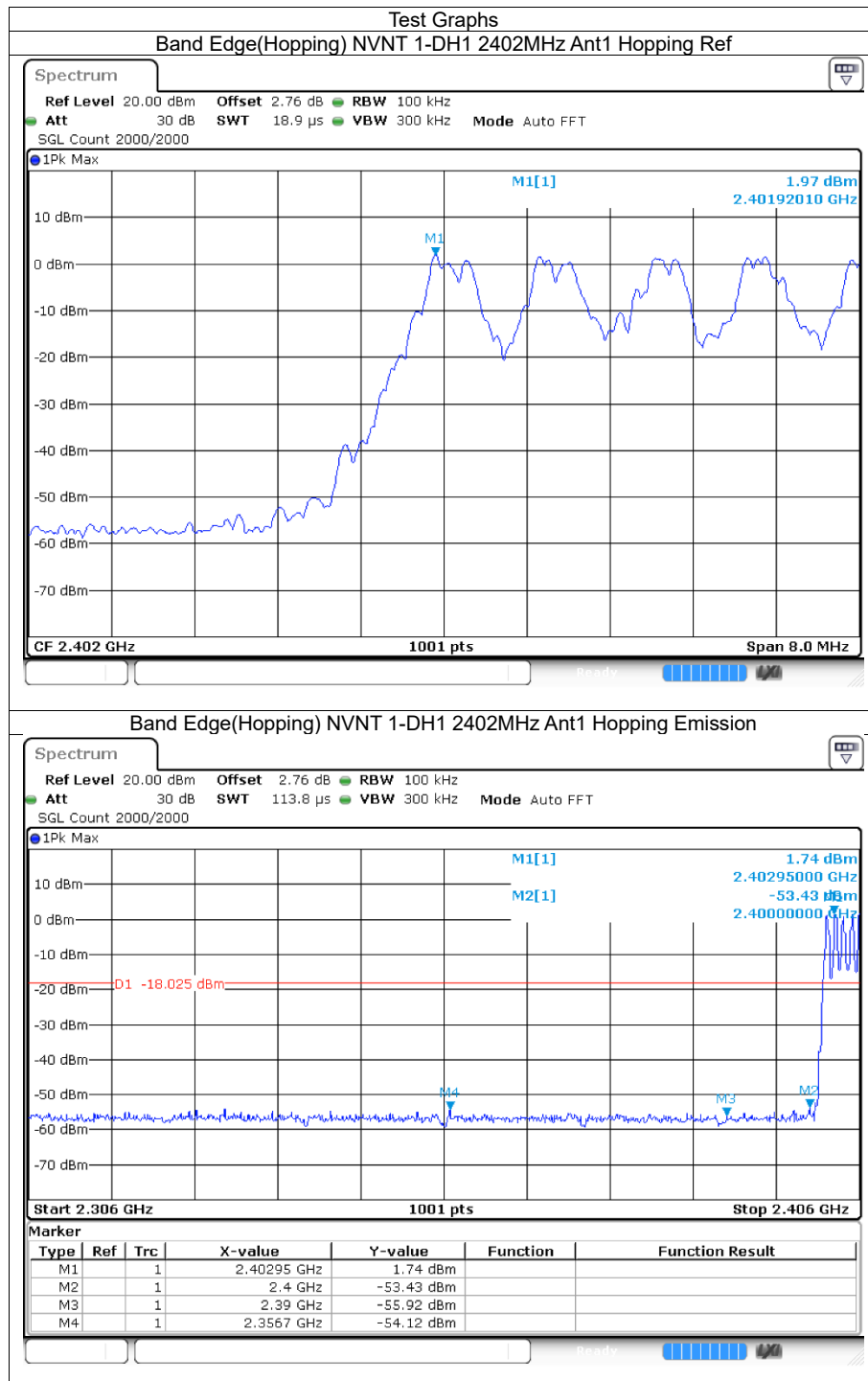


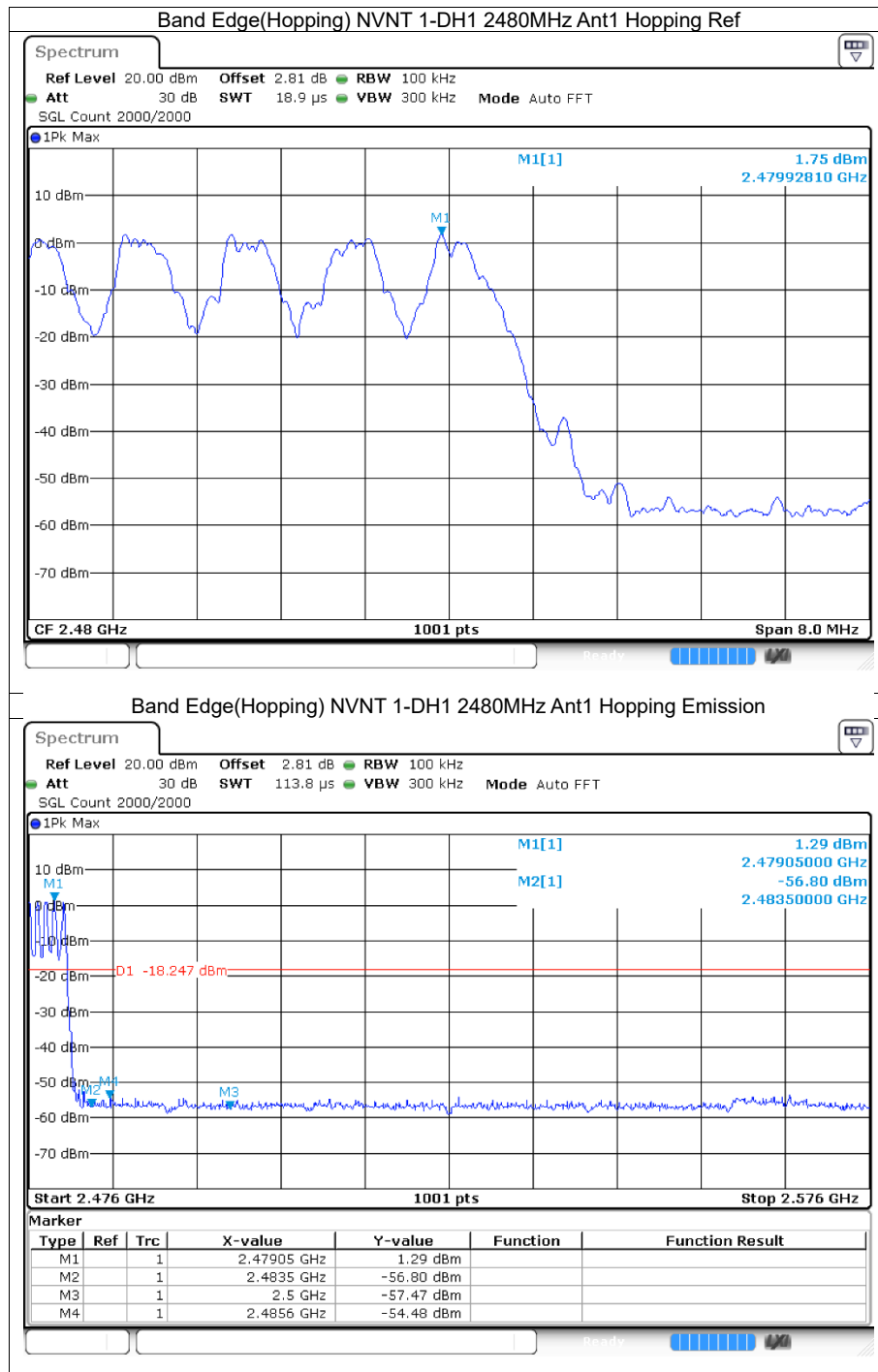


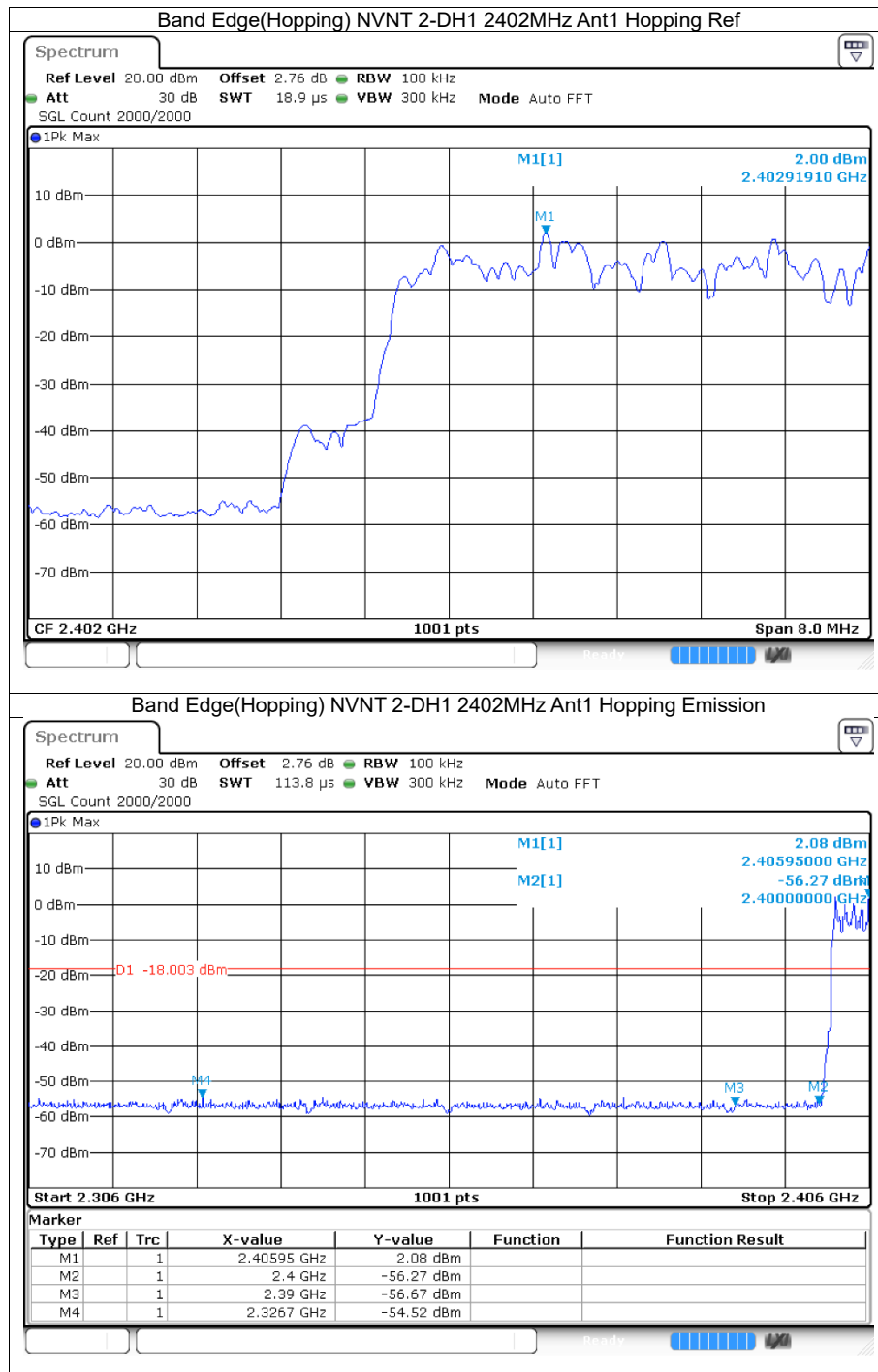


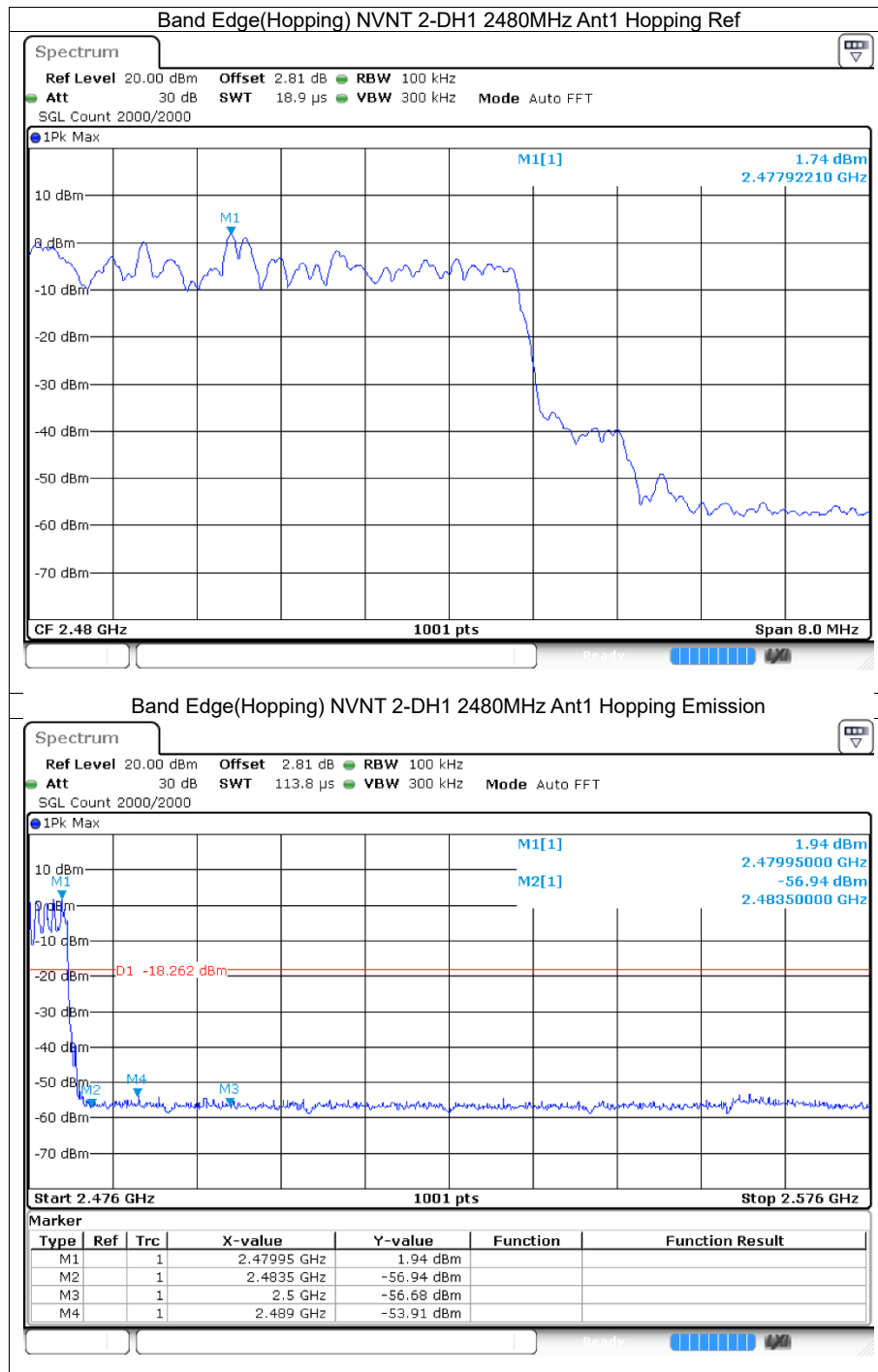


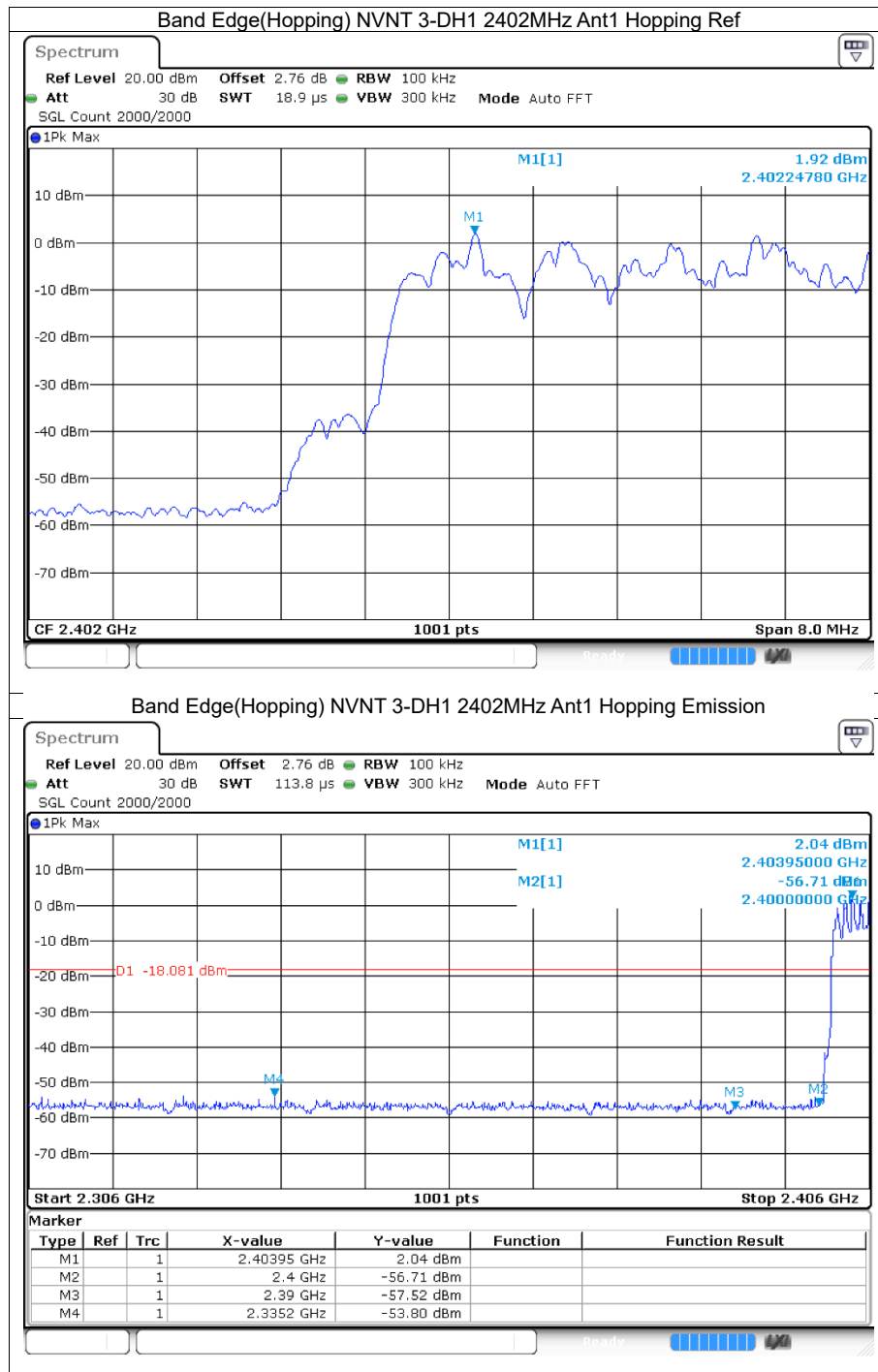


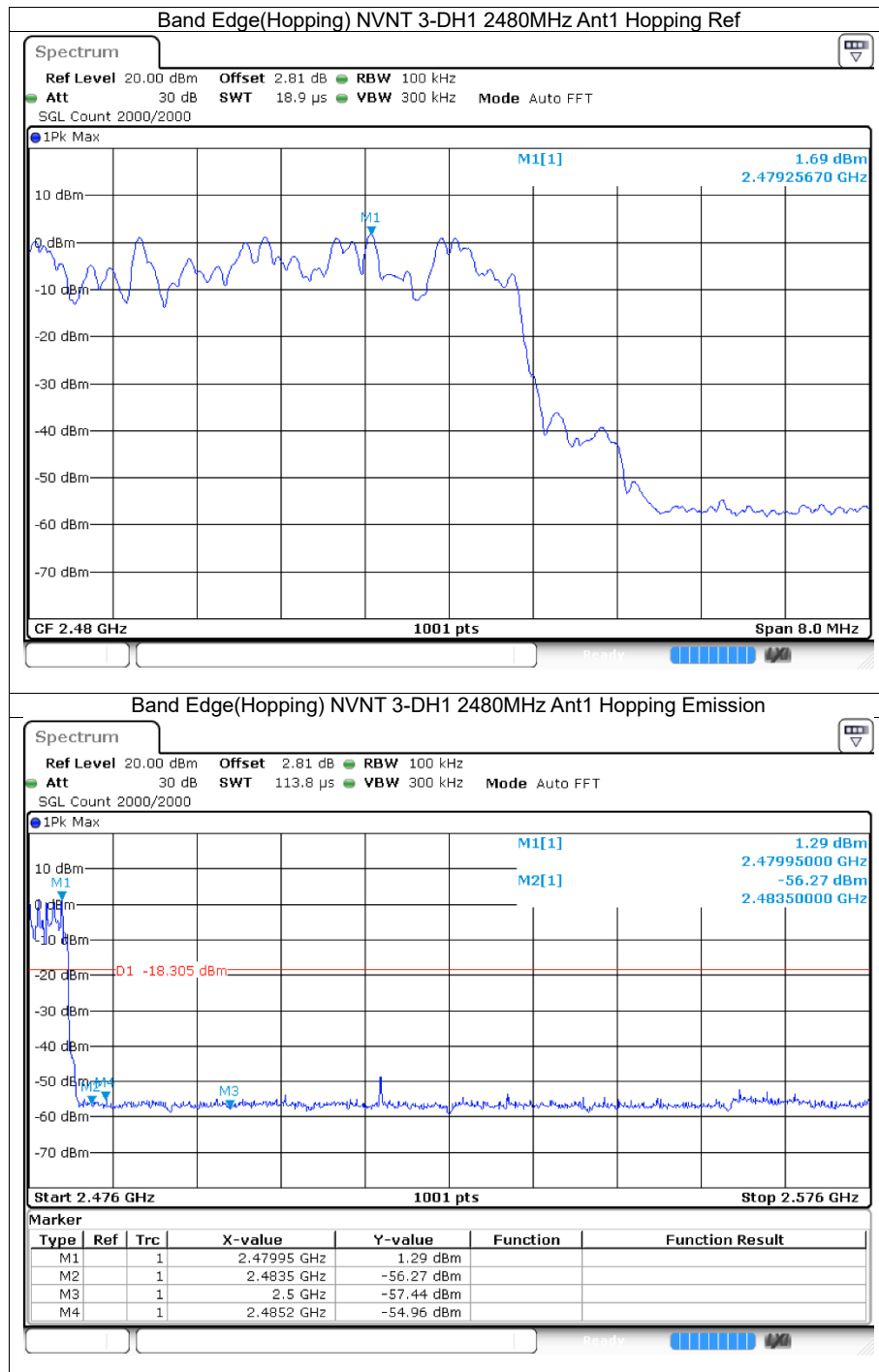






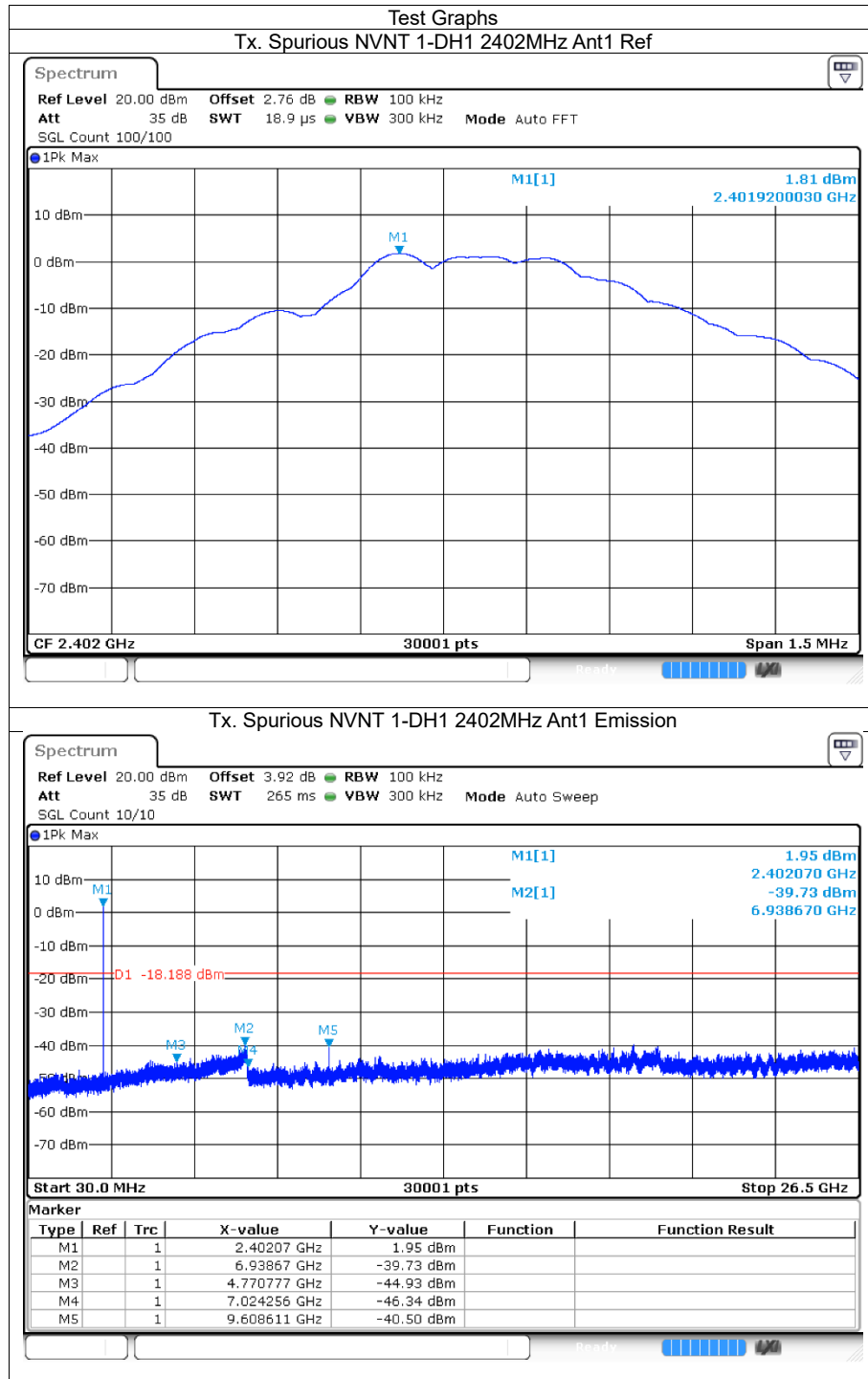


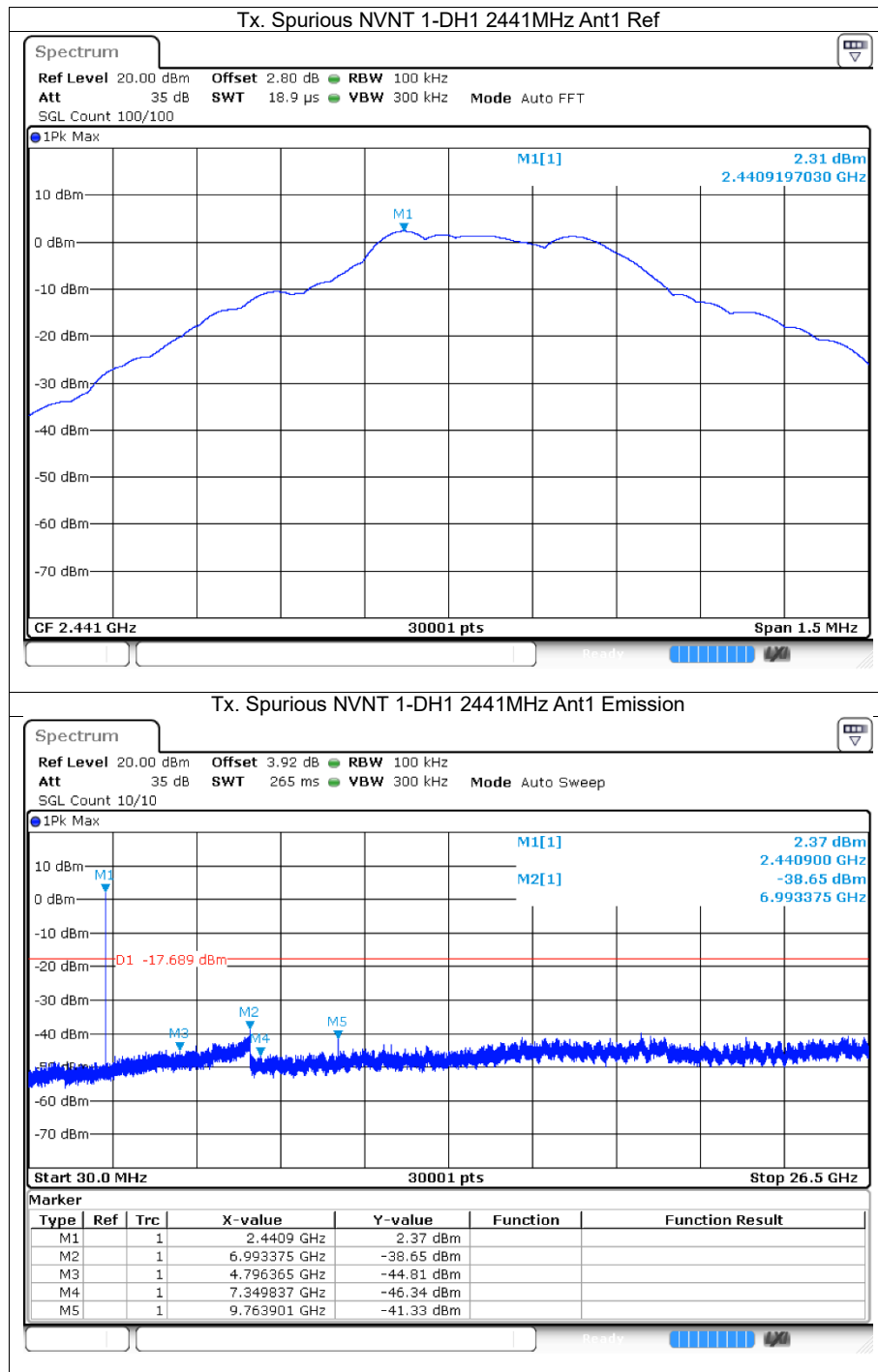


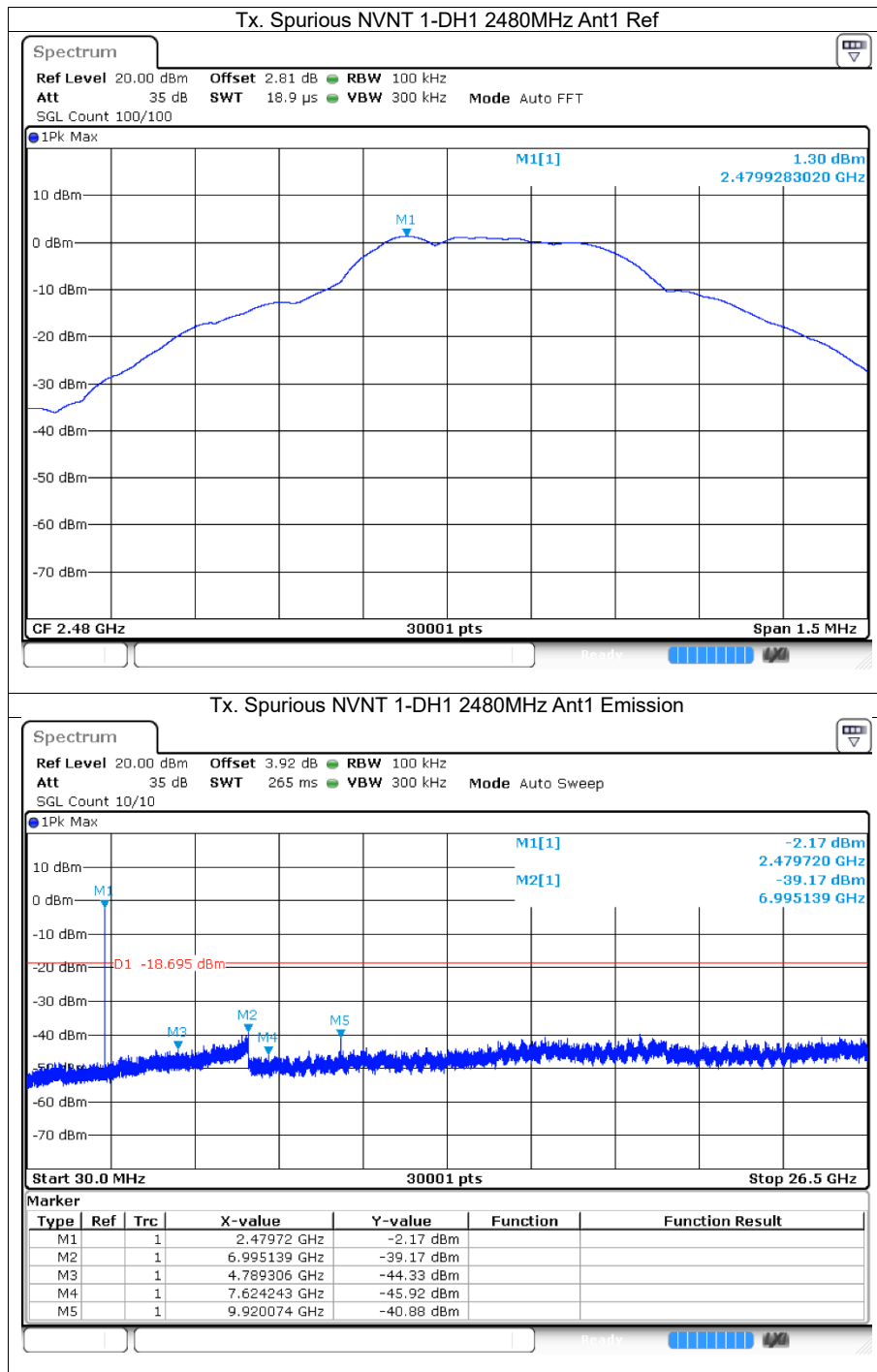


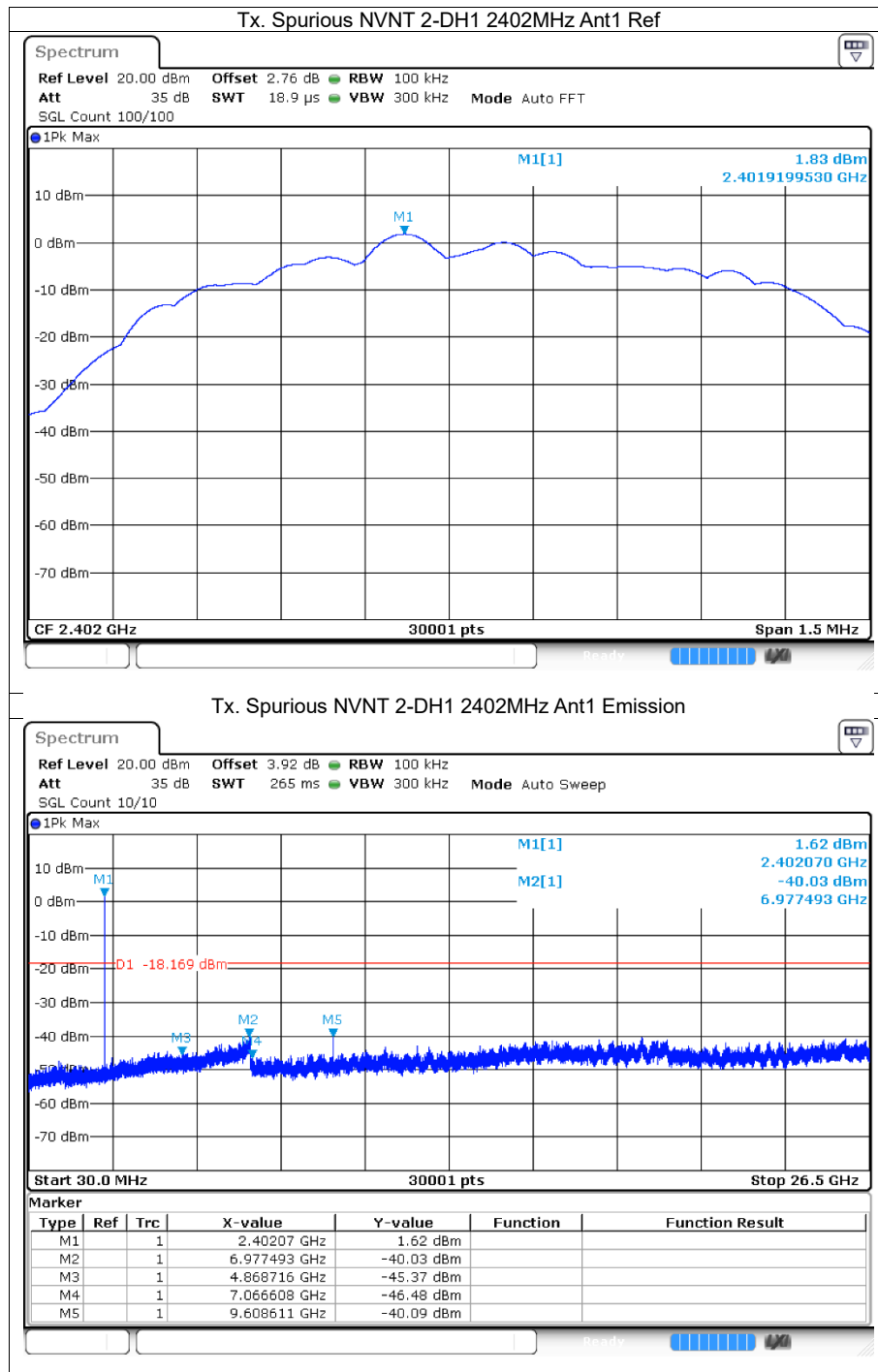
Conducted Emissions

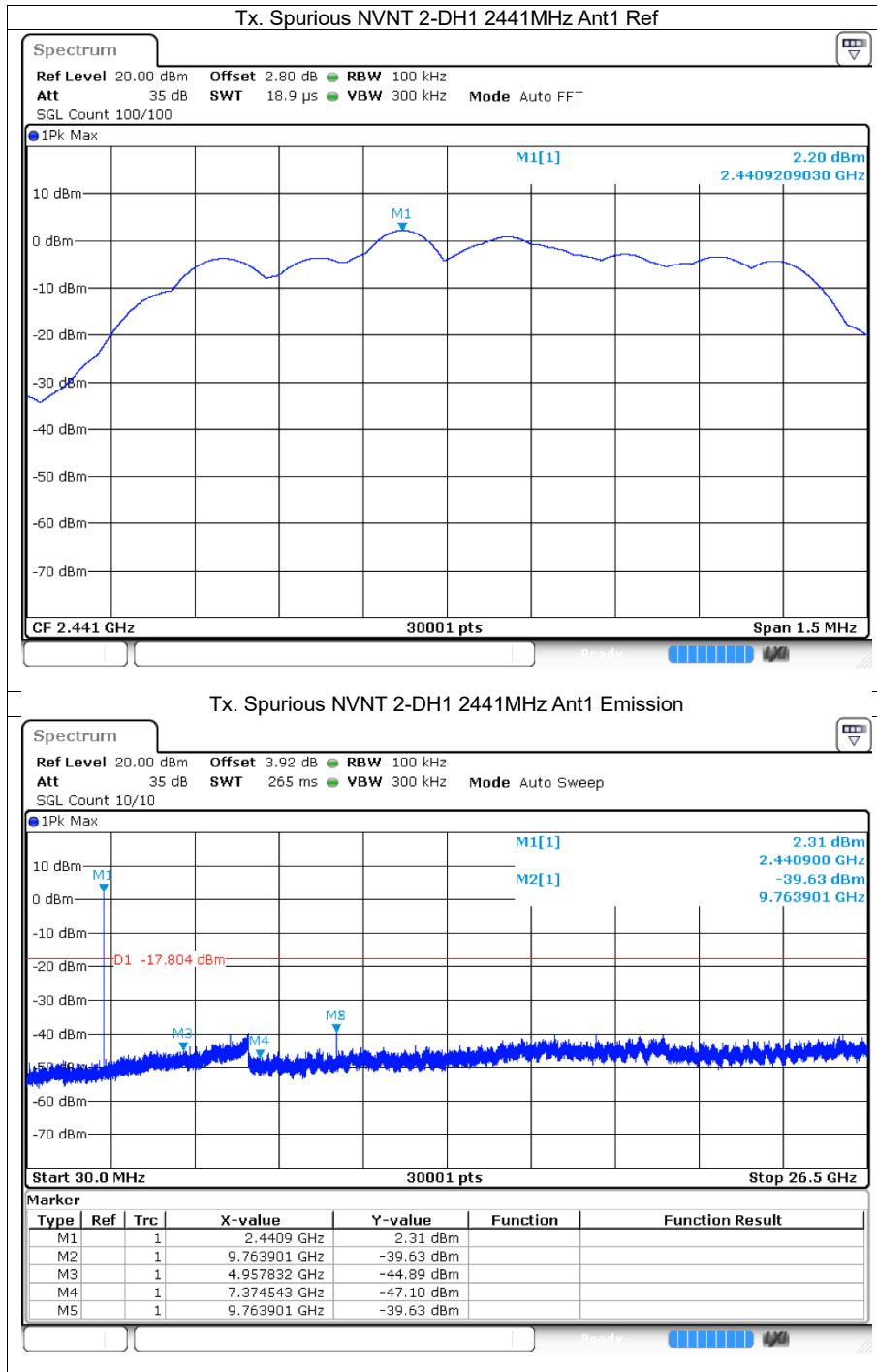
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
1-DH1	2402	Ant1	-41.53	-20	Pass
1-DH1	2441	Ant1	-40.96	-20	Pass
1-DH1	2480	Ant1	-40.46	-20	Pass
2-DH1	2402	Ant1	-41.85	-20	Pass
2-DH1	2441	Ant1	-41.83	-20	Pass
2-DH1	2480	Ant1	-40.56	-20	Pass
3-DH1	2402	Ant1	-39.91	-20	Pass
3-DH1	2441	Ant1	-41.92	-20	Pass
3-DH1	2480	Ant1	-42.15	-20	Pass

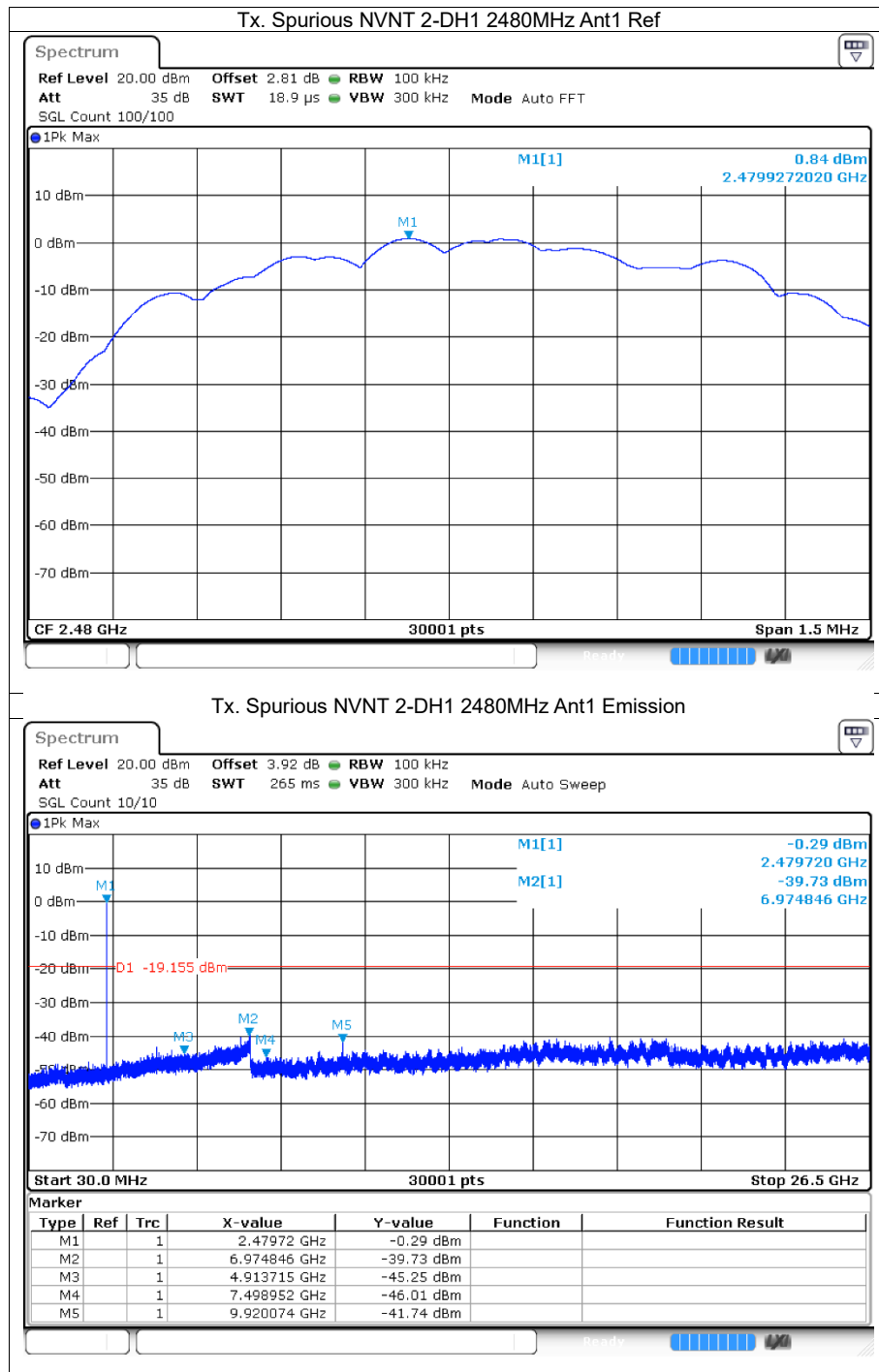


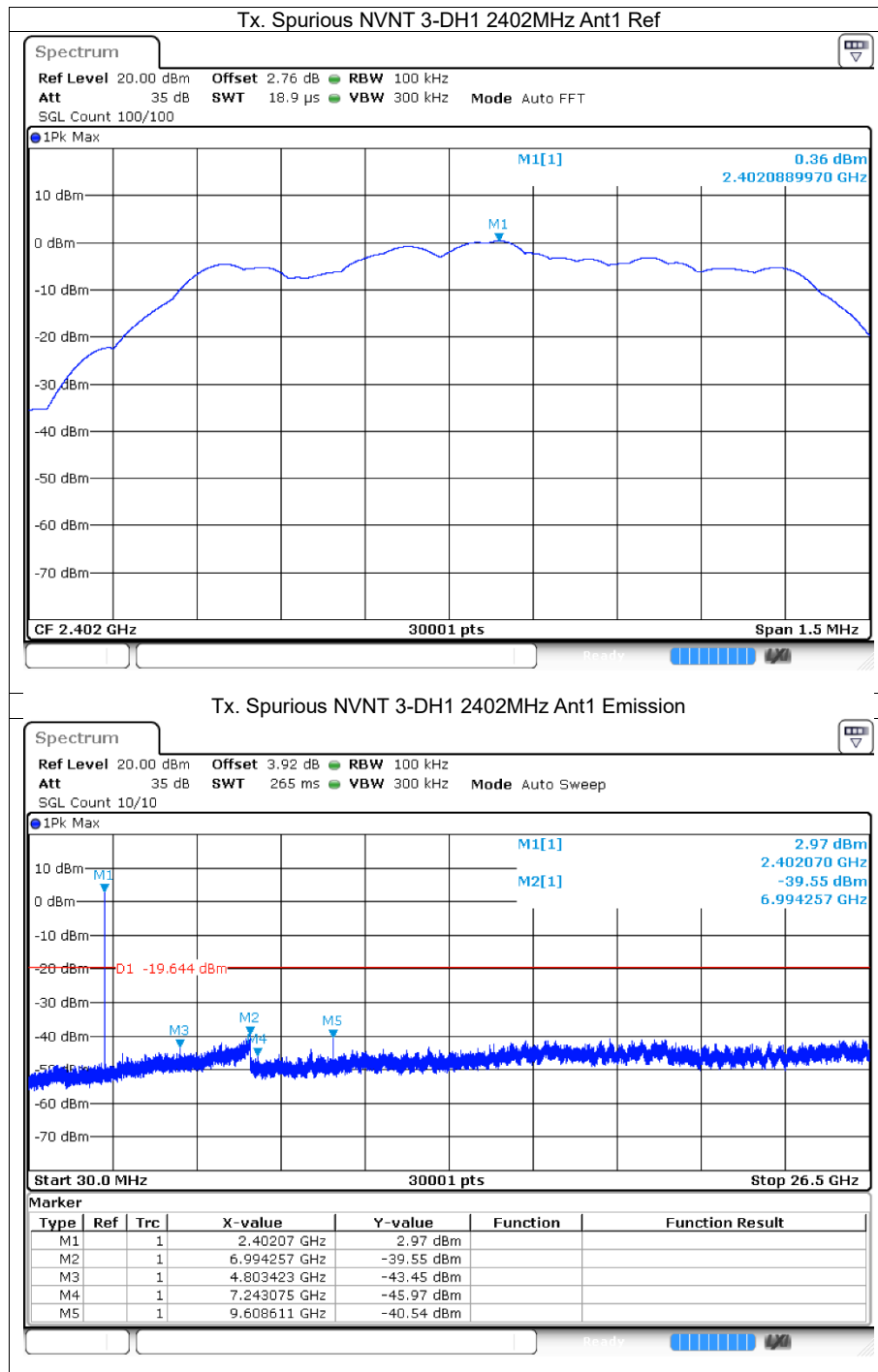


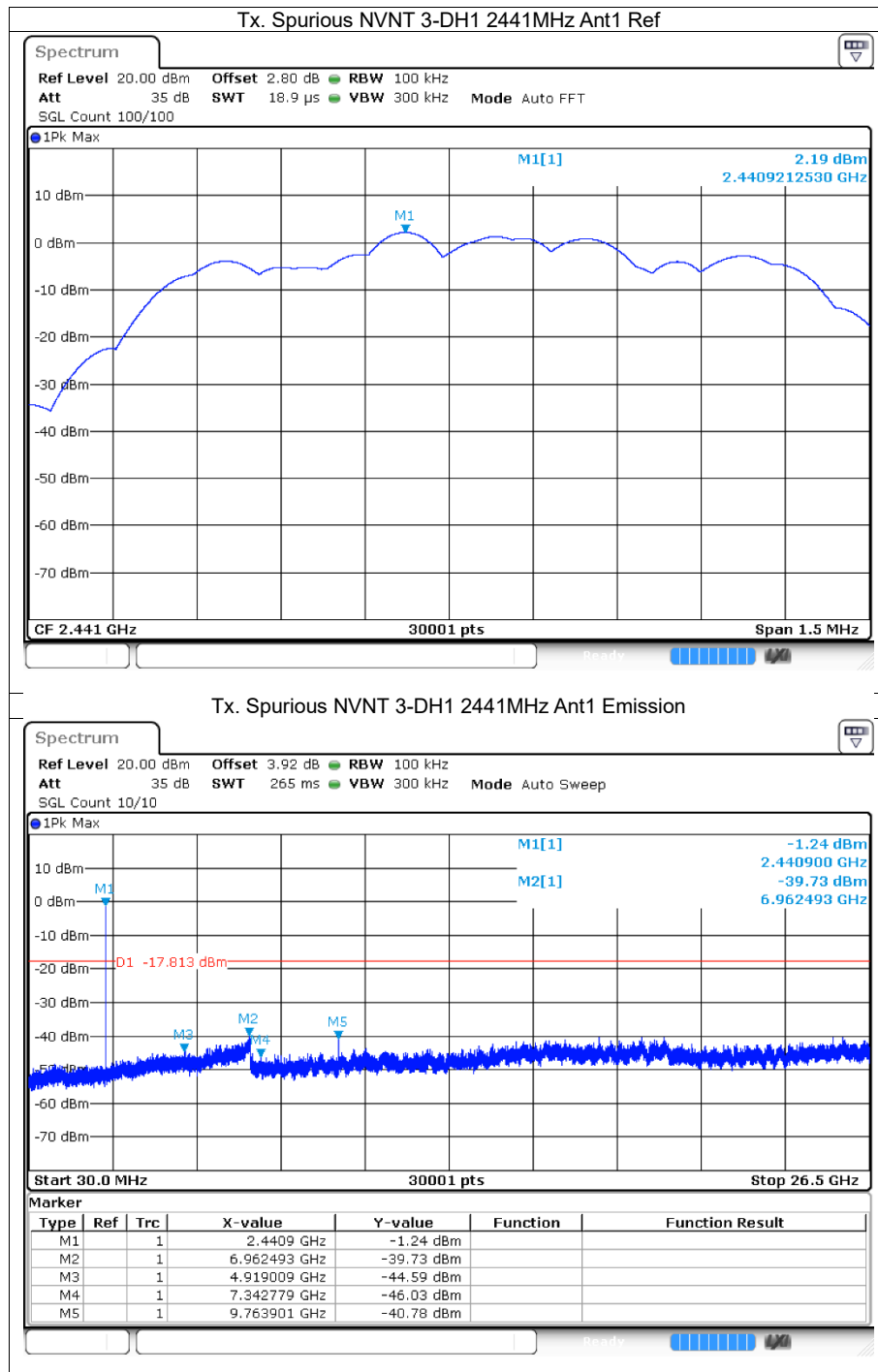


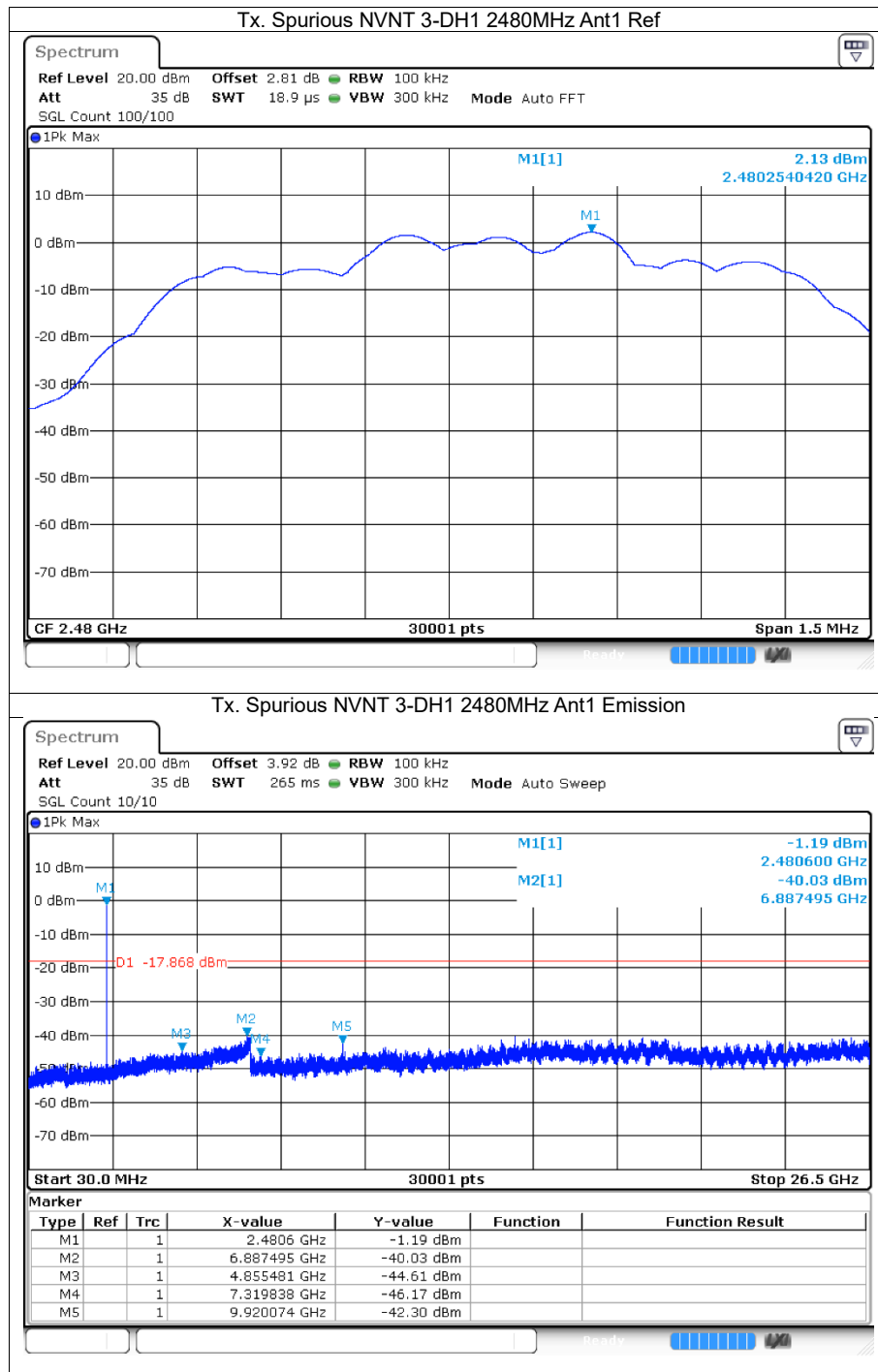












Appendix A.6: Test Results of Radiated Spurious Emissions

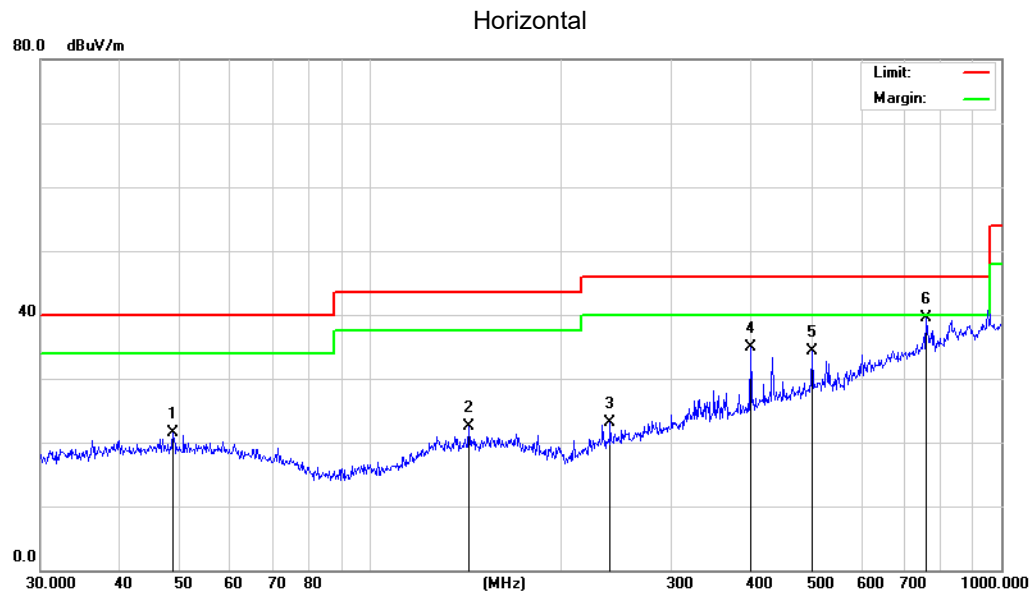
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

EUT Information

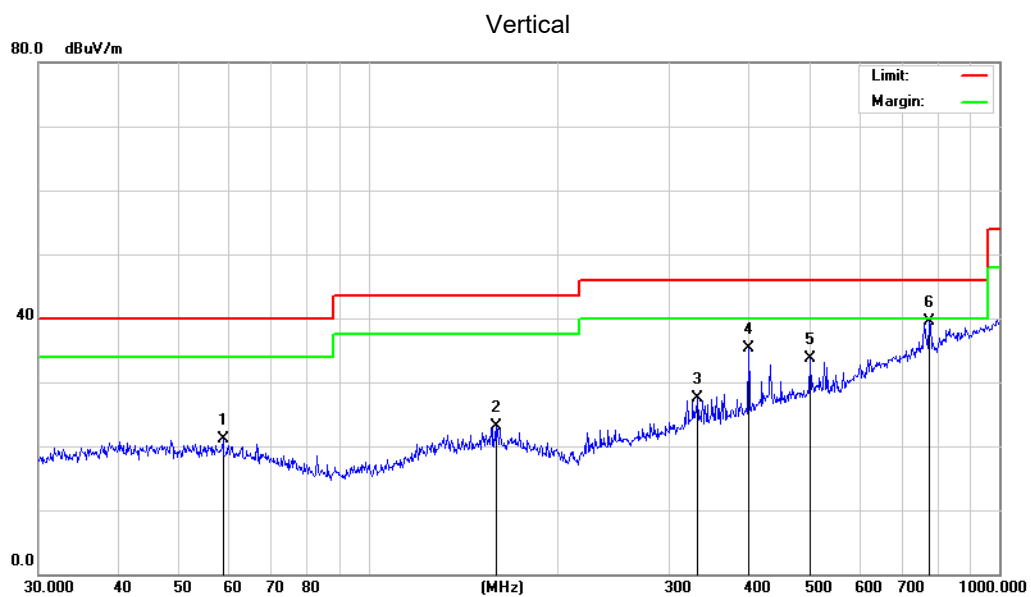
EUT Name:	Bluetooth Speaker
Model:	V3 PRO
Test Mode:	EDR_3DH1_Hight channel
Order No./Sample No:	170473286/AiTDG-260605003-1
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Emiya Lin
Reviewed By:	Simba Huang



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		48.6719	22.66	-1.13	21.53	40.00	-18.47	QP
2		143.3261	22.42	0.02	22.44	43.50	-21.06	QP
3		239.9874	23.65	-0.50	23.15	46.00	-22.85	QP
4		400.4319	30.26	4.58	34.84	46.00	-11.16	QP
5		501.1790	26.88	7.35	34.23	46.00	-11.77	QP
6	*	760.7036	26.35	13.07	39.42	46.00	-6.58	QP

EUT Information

EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: EDR_3DH1_Hight channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



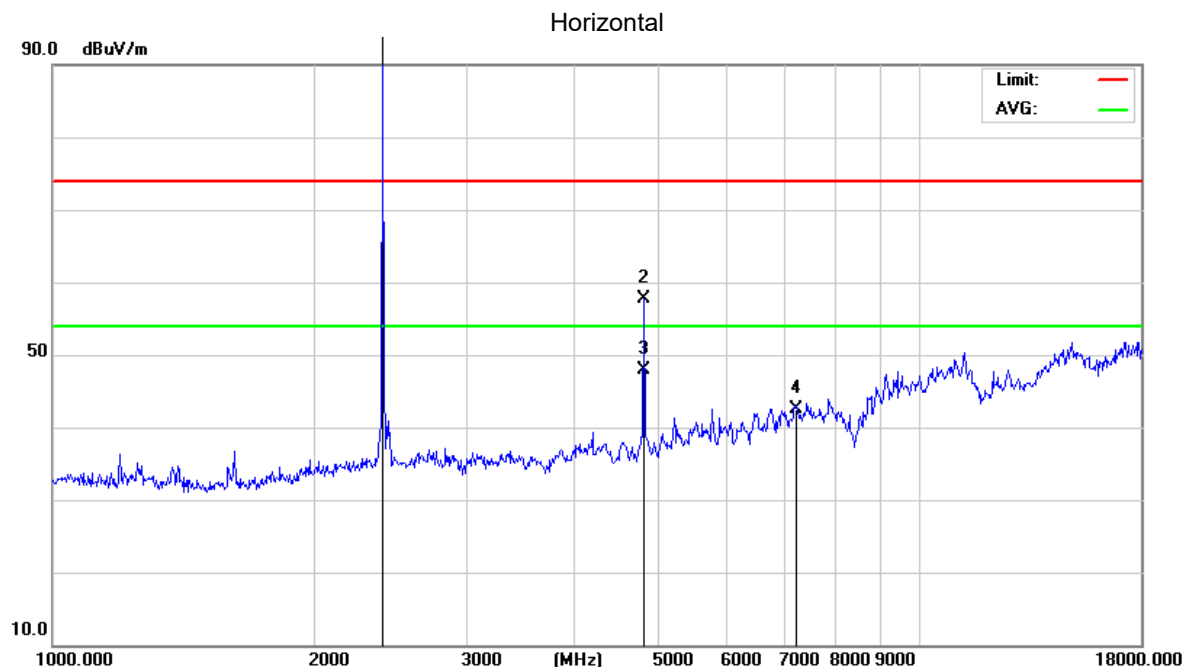
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV/m	dBuV/m	dB	
1		58.8185	22.79	-1.70	21.09	40.00	-18.91	QP
2		159.2251	22.93	0.14	23.07	43.50	-20.43	QP
3		332.5187	24.88	2.61	27.49	46.00	-18.51	QP
4		400.4319	30.64	4.58	35.22	46.00	-10.78	QP
5		501.1790	26.42	7.35	33.77	46.00	-12.23	QP
6	*	774.1584	26.08	13.41	39.49	46.00	-6.51	QP

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

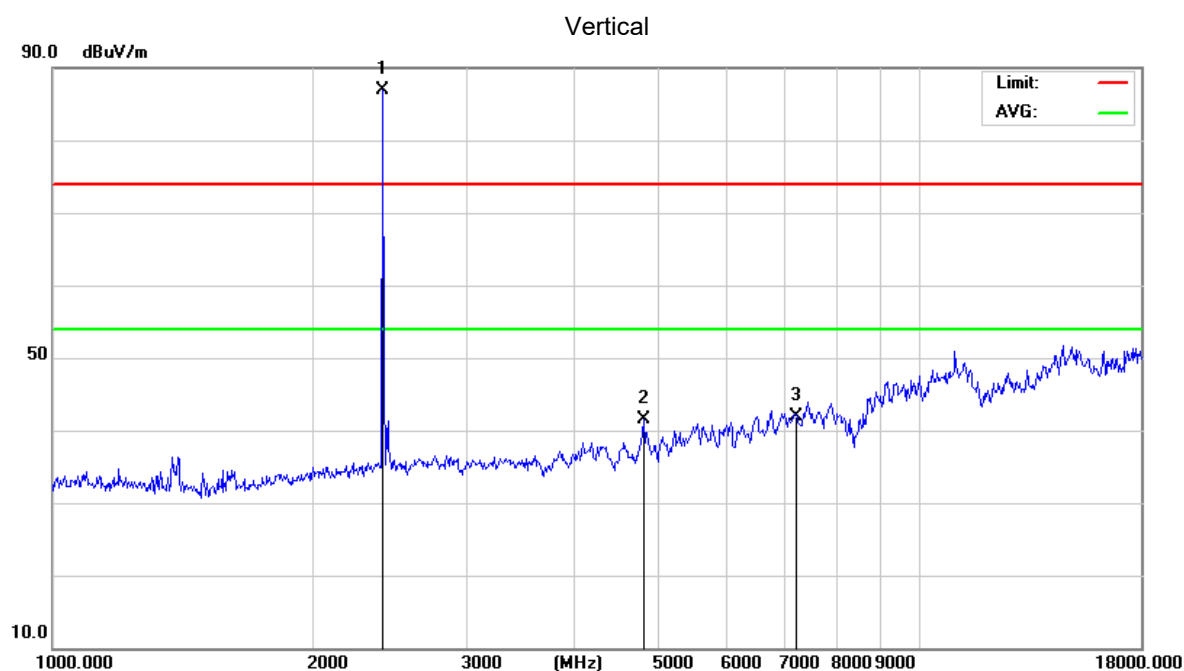
EUT Name:	Bluetooth Speaker
Model:	V3 PRO
Test Mode:	BR_DH1_Low channel
Order No/Sample No:	170473286/AiTDG-260605003-1
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Emiya Lin
Reviewed By:	Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2400.753	101.53	-4.09	97.44	74.00	23.44	peak
2		4804.110	59.63	-1.99	57.64	74.00	-16.36	peak
3		4804.110	49.89	-1.99	47.90	54.00	-6.10	AVG
4		7206.000	38.93	3.54	42.47	74.00	-31.53	peak

EUT Information

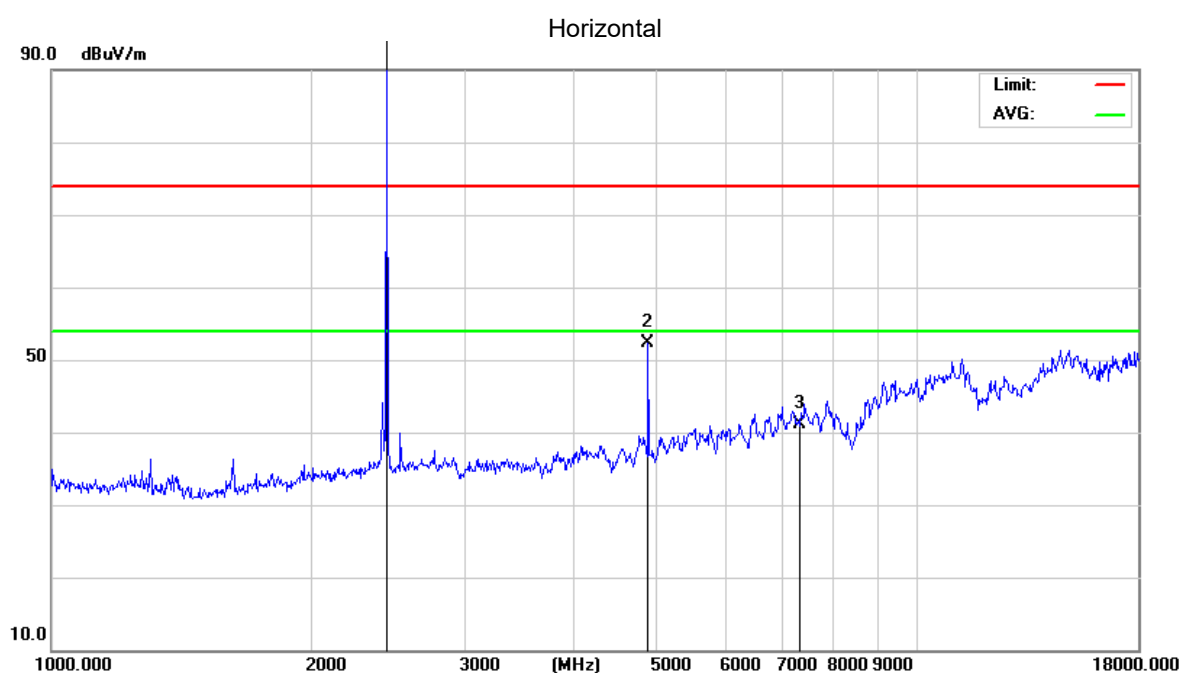
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2400.753	90.93	-4.09	86.84	74.00	12.84	peak
2		4804.000	43.58	-1.99	41.59	74.00	-32.41	peak
3		7206.000	38.42	3.54	41.96	74.00	-32.04	peak

EUT Information

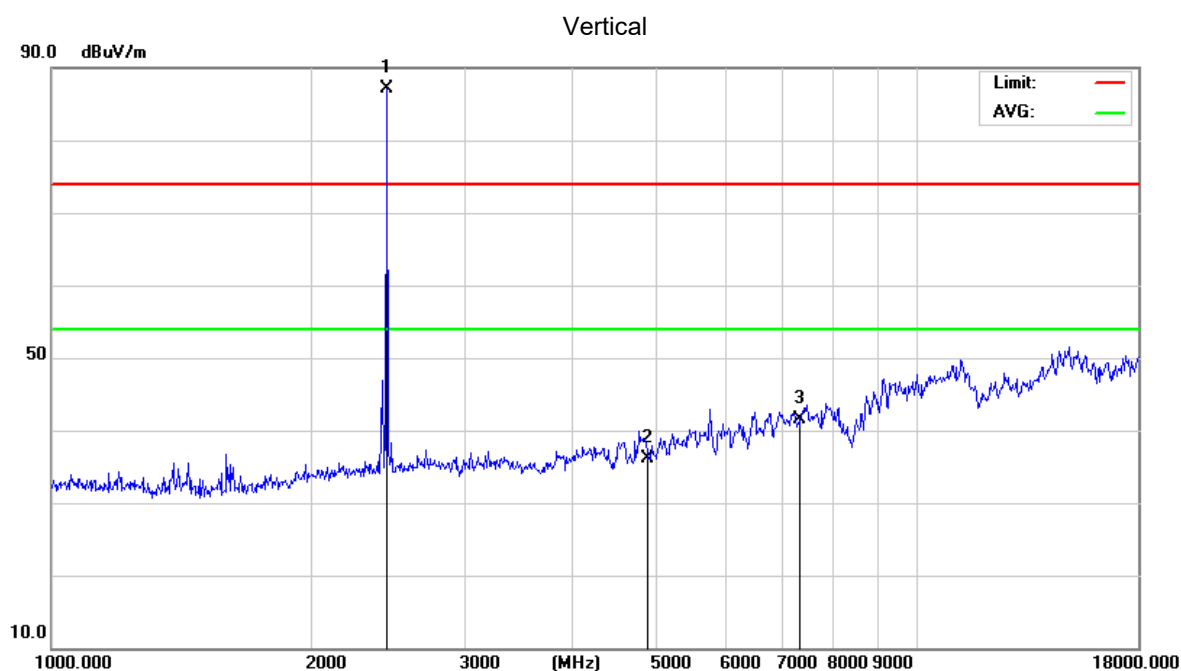
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_Mid channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2442.751	99.52	-4.07	95.45	74.00	21.45	peak
2		4888.151	54.11	-1.77	52.34	74.00	-21.66	peak
3		7323.000	37.22	3.83	41.05	74.00	-32.95	peak

EUT Information

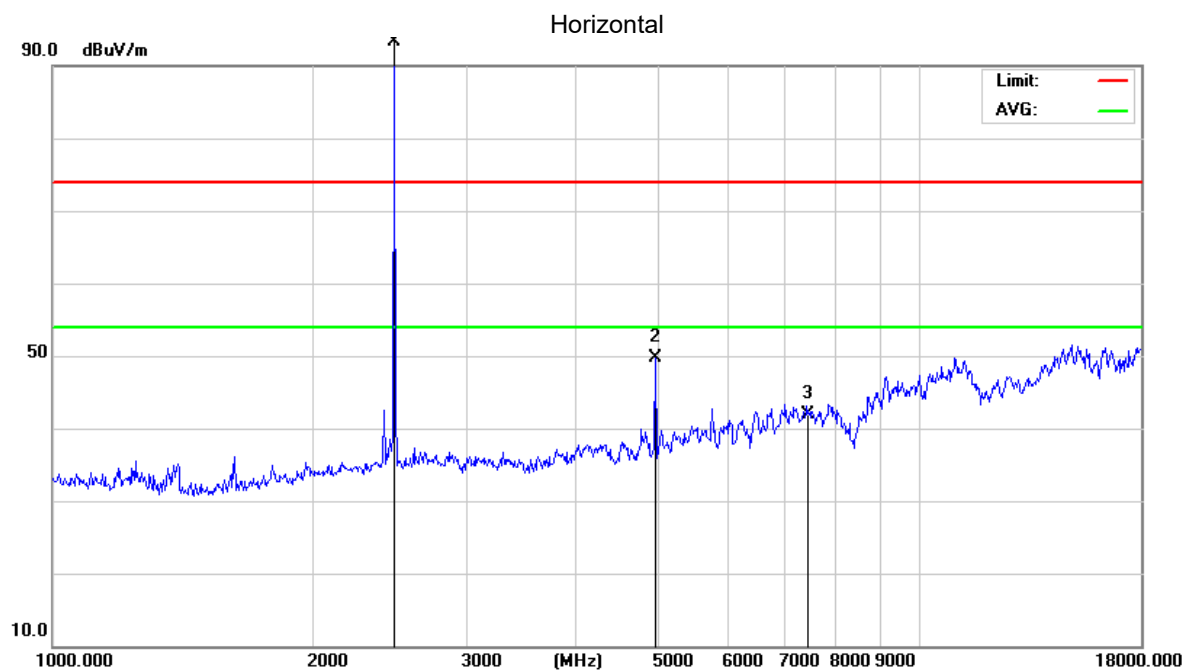
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_Mid channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2442.751	91.24	-4.07	87.17	74.00	13.17	peak
2		4882.000	37.95	-1.77	36.18	74.00	-37.82	peak
3		7323.000	37.59	3.83	41.42	74.00	-32.58	peak

EUT Information

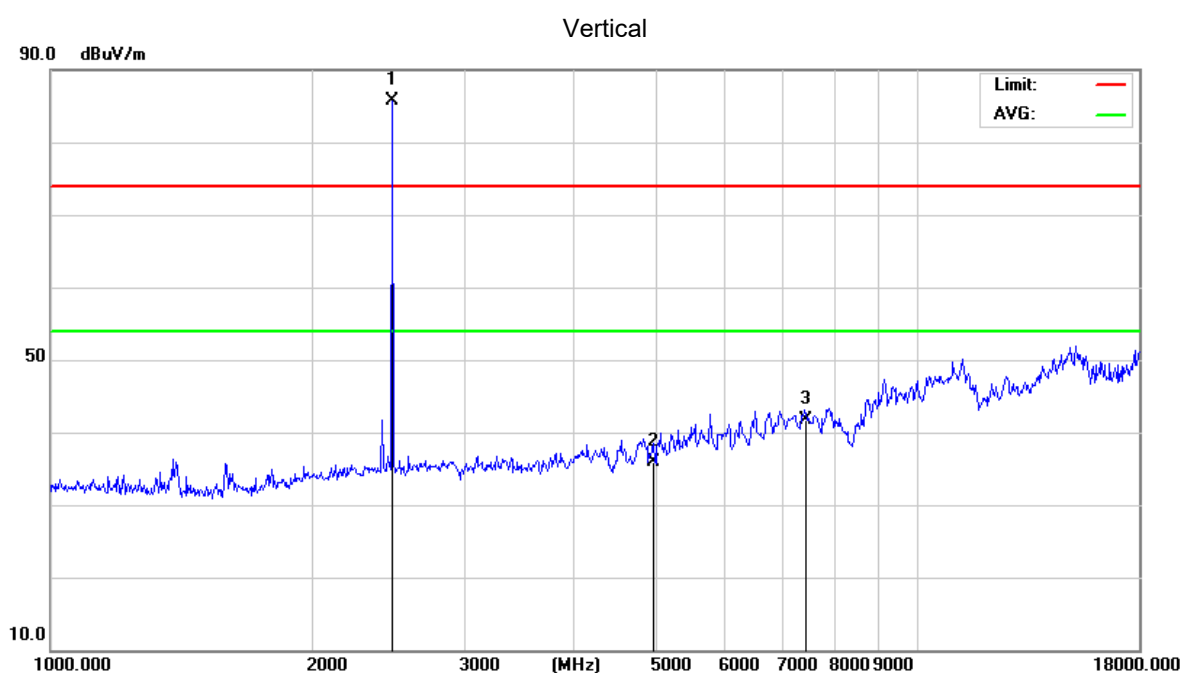
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2478.310	97.61	-4.07	93.54	74.00	19.54	peak
2		4959.307	51.29	-1.57	49.72	74.00	-24.28	peak
3		7440.000	37.79	4.11	41.90	74.00	-32.10	peak

EUT Information

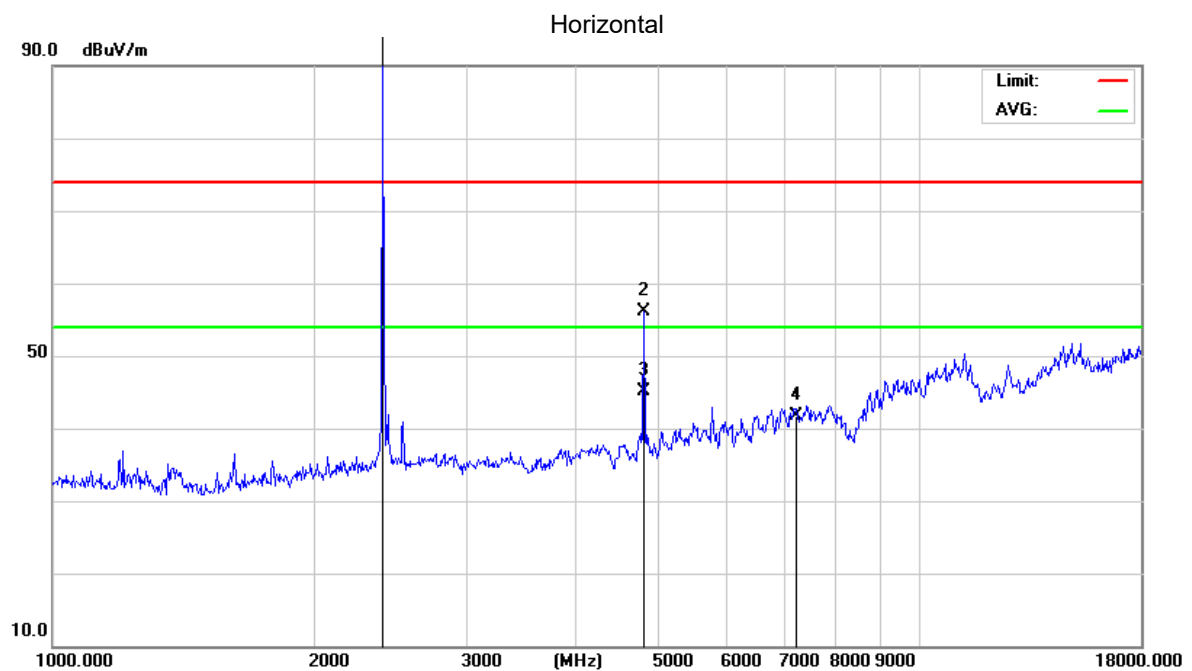
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_High channel
Order No./Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2478.310	89.79	-4.07	85.72	74.00	11.72	peak
2		4960.000	37.54	-1.57	35.97	74.00	-38.03	peak
3		7440.000	37.67	4.11	41.78	74.00	-32.22	peak

EUT Information

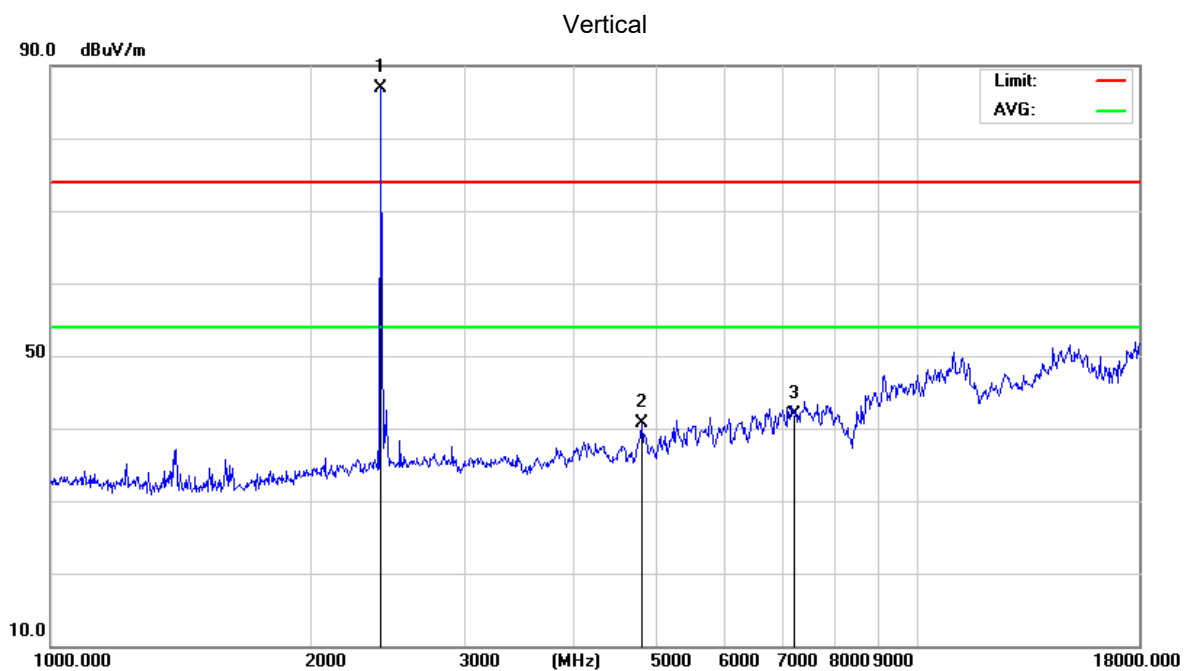
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	*	2400.753	100.98	-4.09	96.89	74.00	22.89	peak
2		4804.110	58.17	-1.99	56.18	74.00	-17.82	peak
3		4804.110	47.06	-1.99	45.07	54.00	-8.93	AVG
4		7206.000	38.15	3.54	41.69	74.00	-32.31	peak

EUT Information

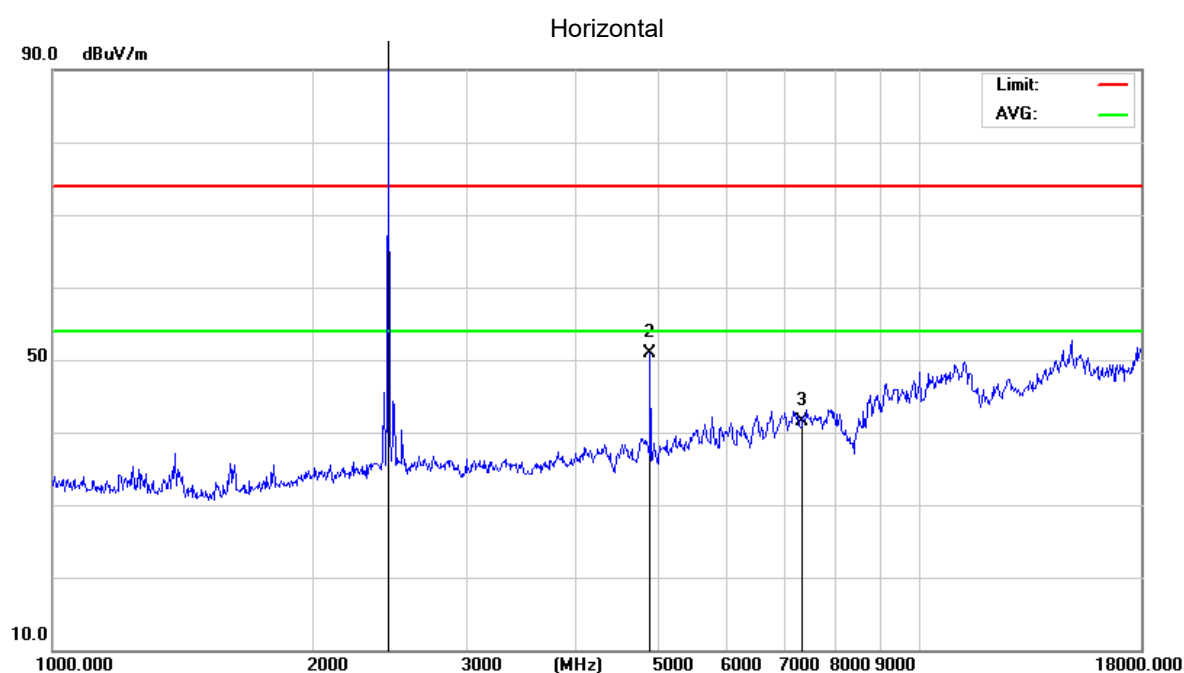
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2400.753	90.97	-4.09	86.88	74.00	12.88	peak
2		4804.000	42.78	-1.99	40.79	74.00	-33.21	peak
3		7206.000	38.46	3.54	42.00	74.00	-32.00	peak

EUT Information

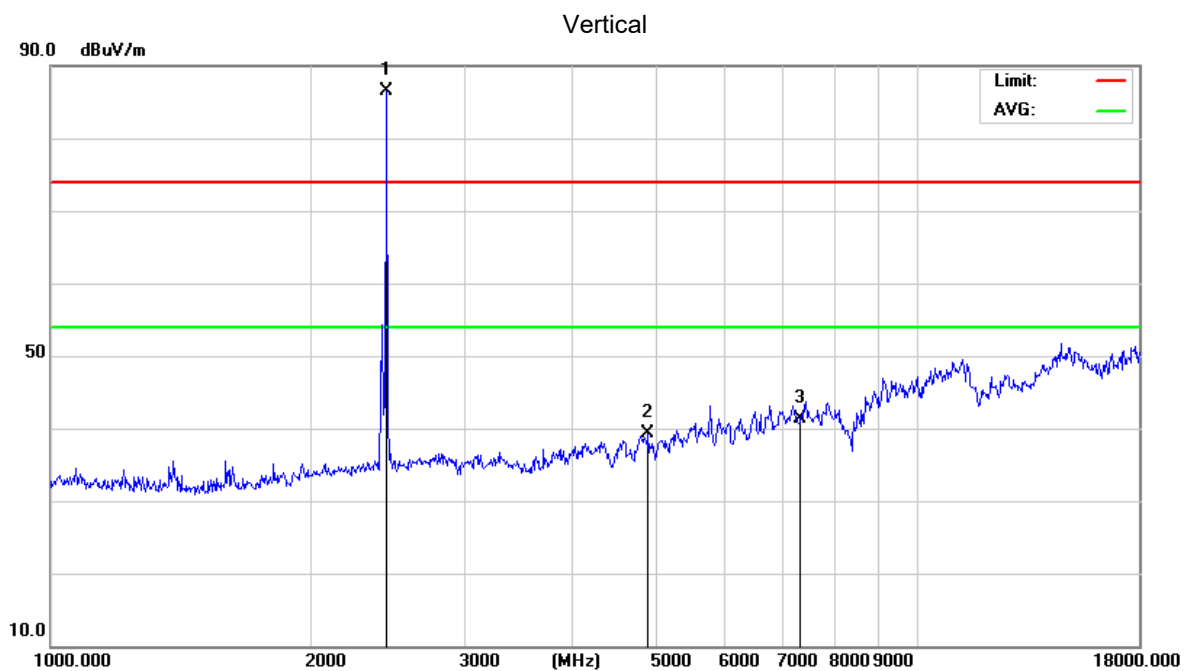
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_Mid channel
Order No/Sample No: 170473286/AiTGDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2442.751	99.48	-4.07	95.41	74.00	21.41	peak
2		4888.151	52.72	-1.77	50.95	74.00	-23.05	peak
3		7323.000	37.60	3.83	41.43	74.00	-32.57	peak

EUT Information

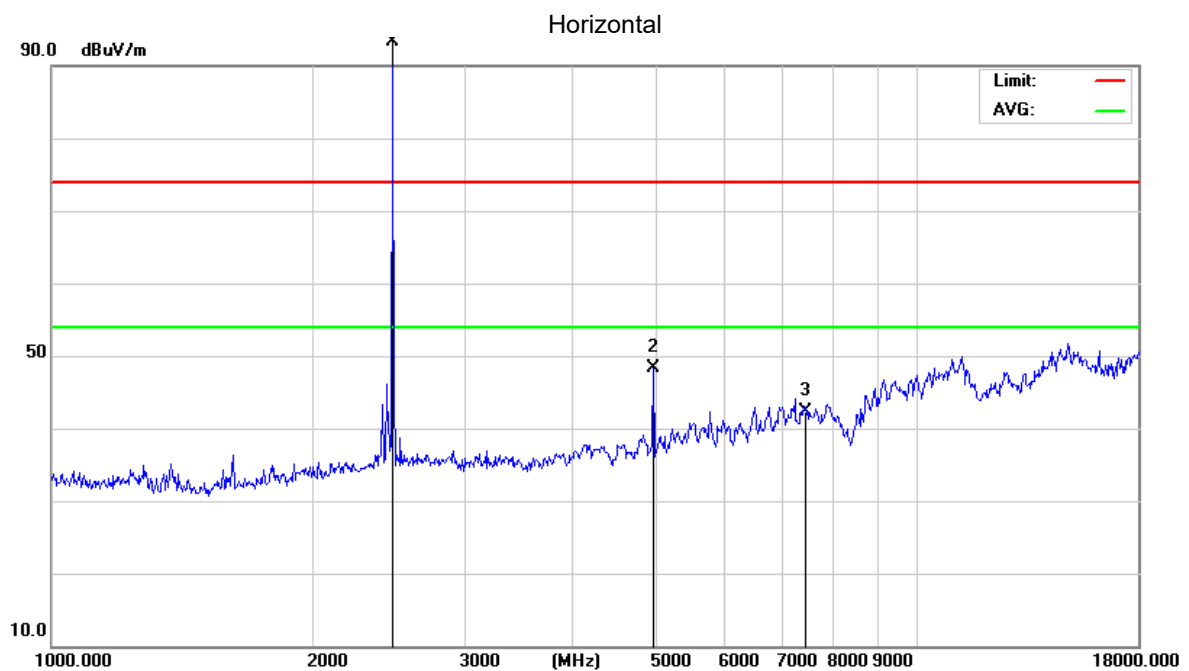
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_Mid channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2442.751	90.65	-4.07	86.58	74.00	12.58	peak
2		4882.000	41.08	-1.77	39.31	74.00	-34.69	peak
3		7323.000	37.41	3.83	41.24	74.00	-32.76	peak

EUT Information

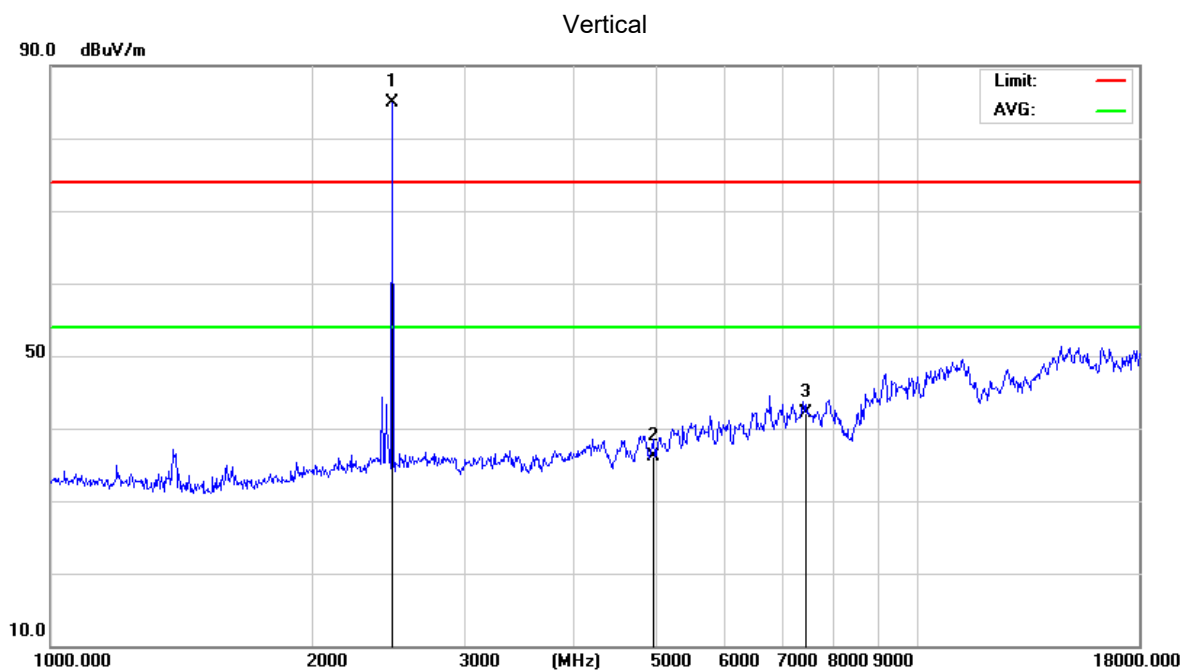
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_High channel
Order No./Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2478.310	97.57	-4.07	93.50	74.00	19.50	peak
2		4959.307	49.85	-1.57	48.28	74.00	-25.72	peak
3		7440.000	38.10	4.11	42.21	74.00	-31.79	peak

EUT Information

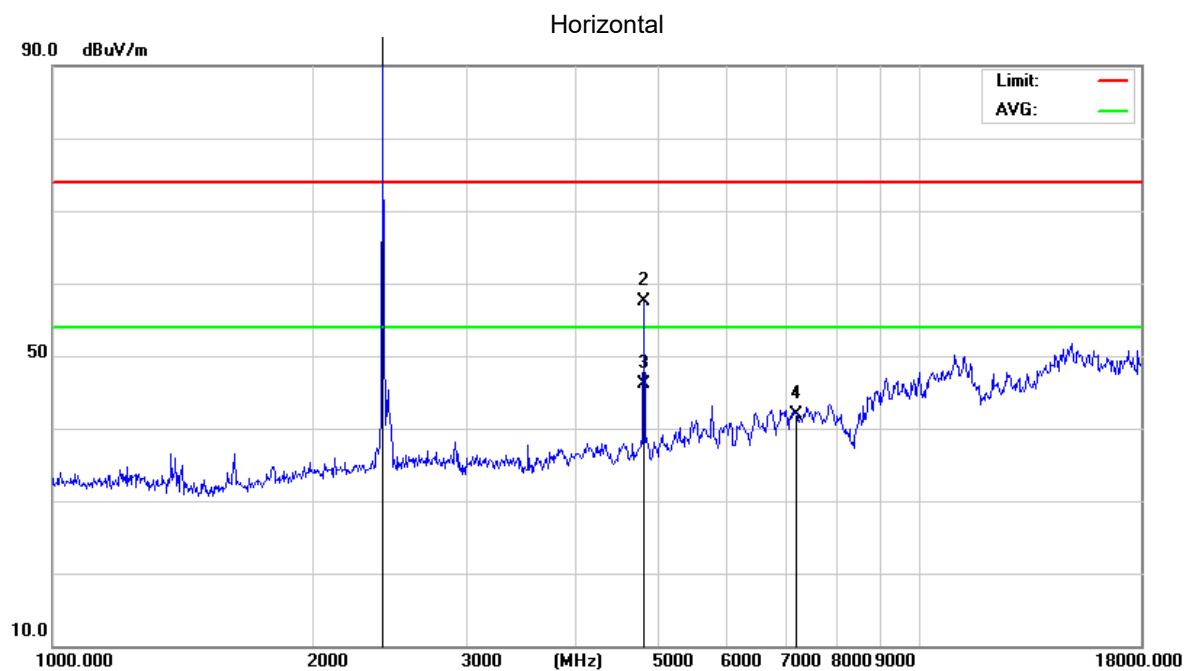
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2478.310	89.05	-4.07	84.98	74.00	10.98	peak
2		4960.000	37.71	-1.57	36.14	74.00	-37.86	peak
3		7440.000	37.96	4.11	42.07	74.00	-31.93	peak

EUT Information

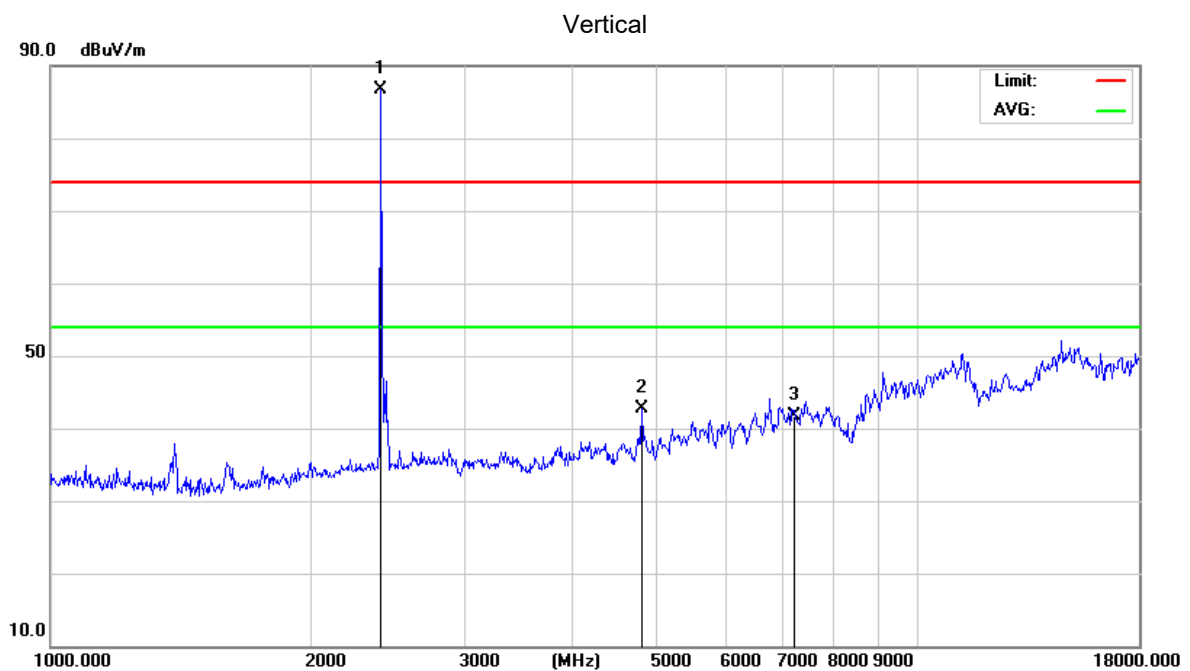
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_Low channel
Order No./Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2400.753	101.06	-4.09	96.97	74.00	22.97	peak
2		4804.110	59.56	-1.99	57.57	74.00	-16.43	peak
3		4804.110	48.16	-1.99	46.17	54.00	-7.83	AVG
4		7206.000	38.27	3.54	41.81	74.00	-32.19	peak

EUT Information

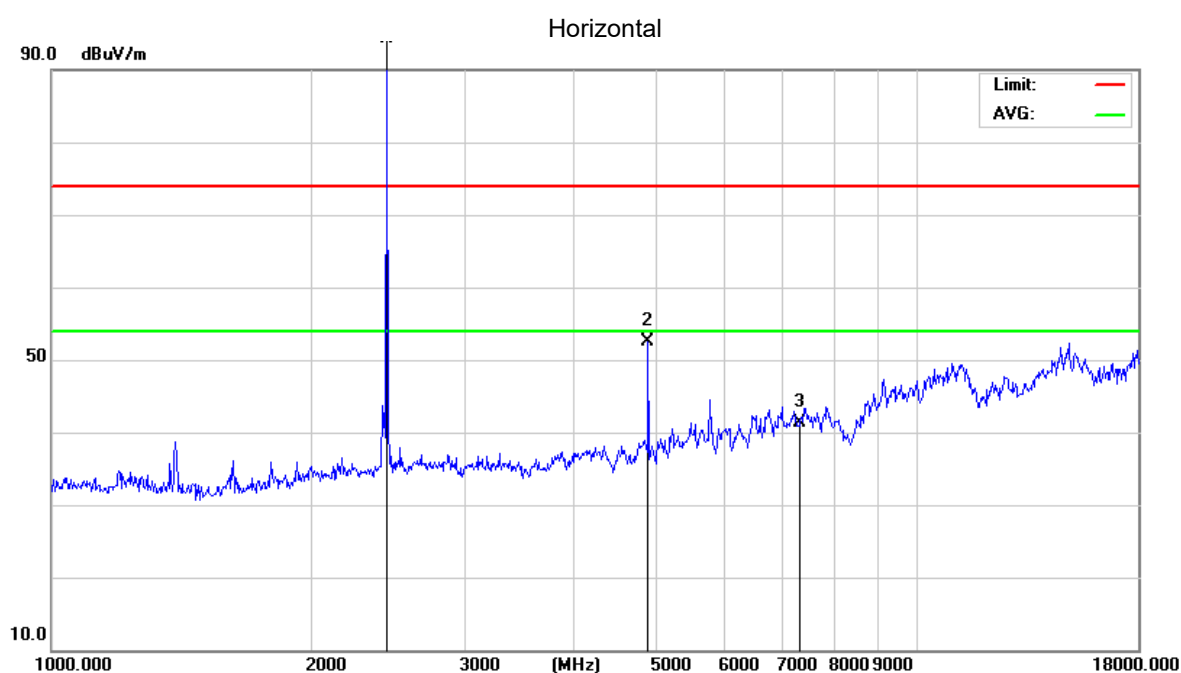
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2400.753	90.88	-4.09	86.79	74.00	12.79	peak
2		4804.110	44.77	-1.99	42.78	74.00	-31.22	peak
3		7206.000	38.15	3.54	41.69	74.00	-32.31	peak

EUT Information

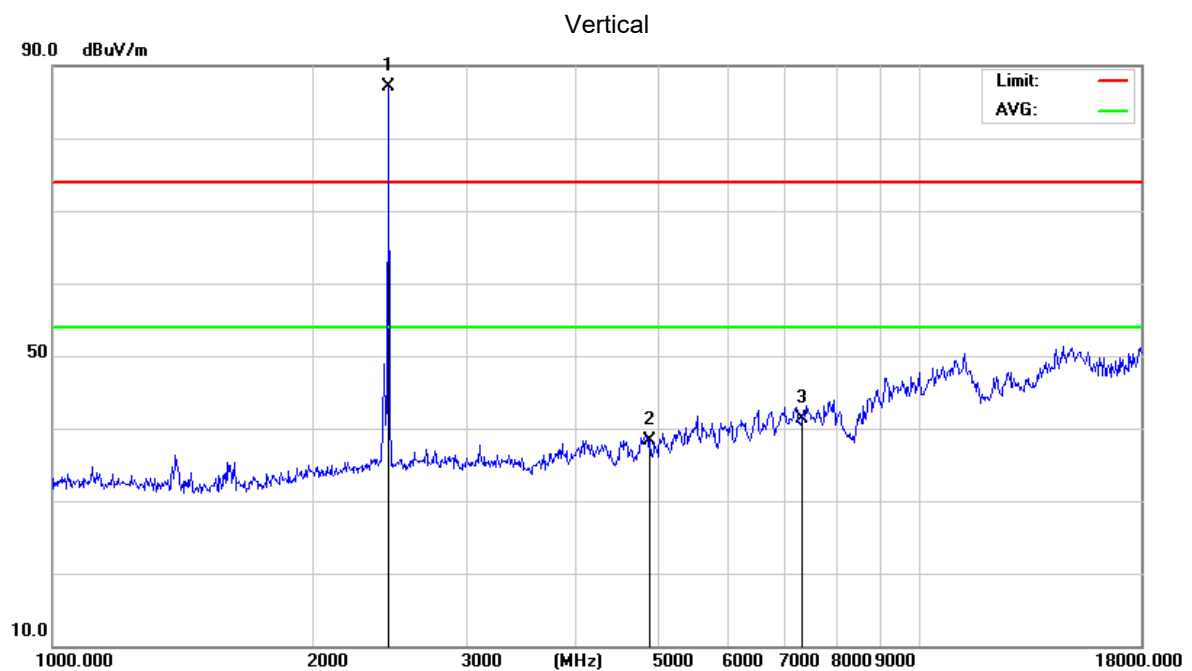
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_Mid channel
Order No/Sample No: 170473286/AiT DG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	*	2442.751	98.66	-4.07	94.59	74.00	20.59	peak
2		4888.151	54.22	-1.77	52.45	74.00	-21.55	peak
3		7323.000	37.52	3.83	41.35	74.00	-32.65	peak

EUT Information

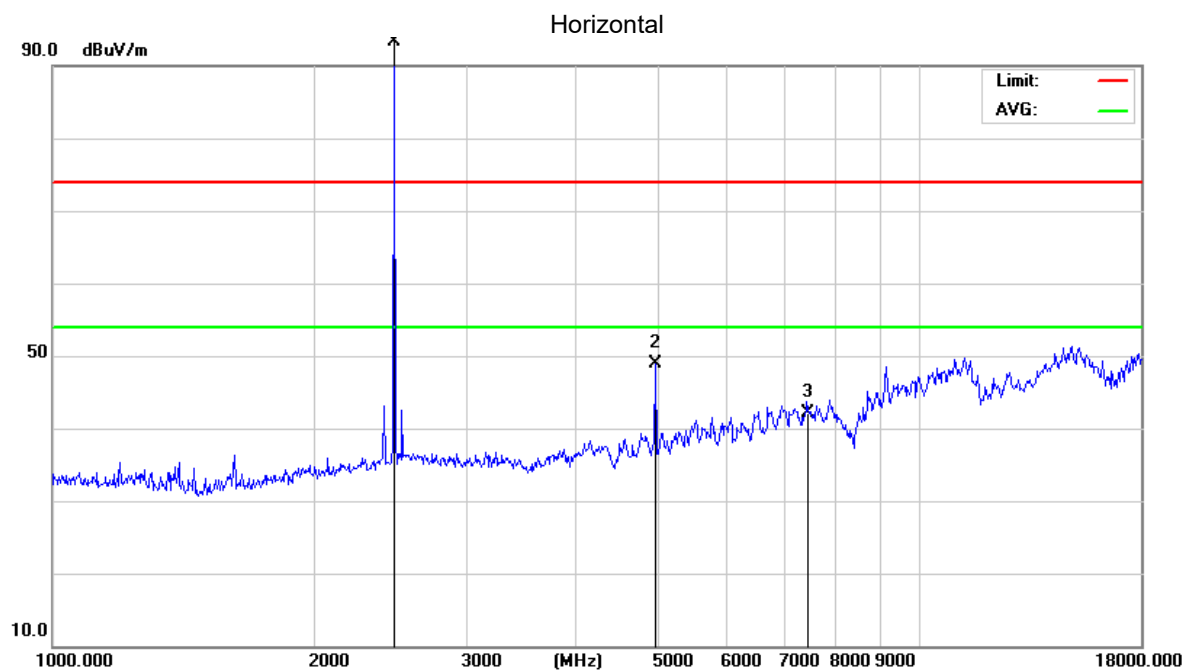
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_Mid channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2442.751	91.22	-4.07	87.15	74.00	13.15	peak
2		4882.000	40.08	-1.77	38.31	74.00	-35.69	peak
3		7323.000	37.41	3.83	41.24	74.00	-32.76	peak

EUT Information

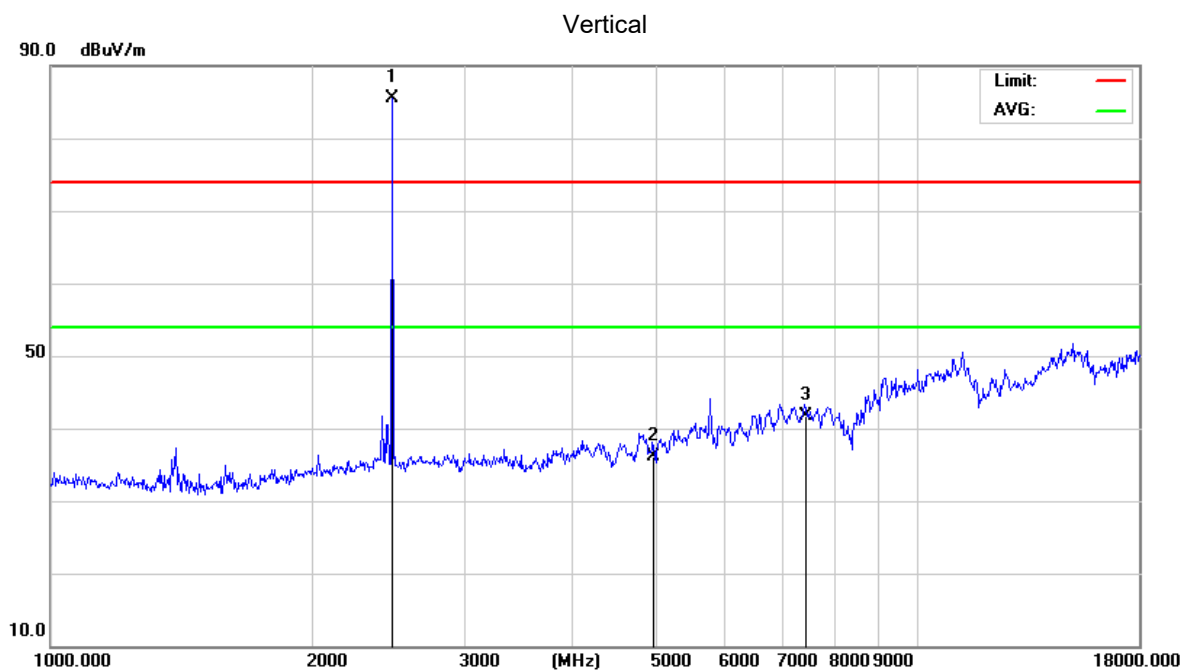
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2478.310	97.59	-4.07	93.52	74.00	19.52	peak
2		4959.307	50.51	-1.57	48.94	74.00	-25.06	peak
3		7440.000	37.90	4.11	42.01	74.00	-31.99	peak

EUT Information

EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang

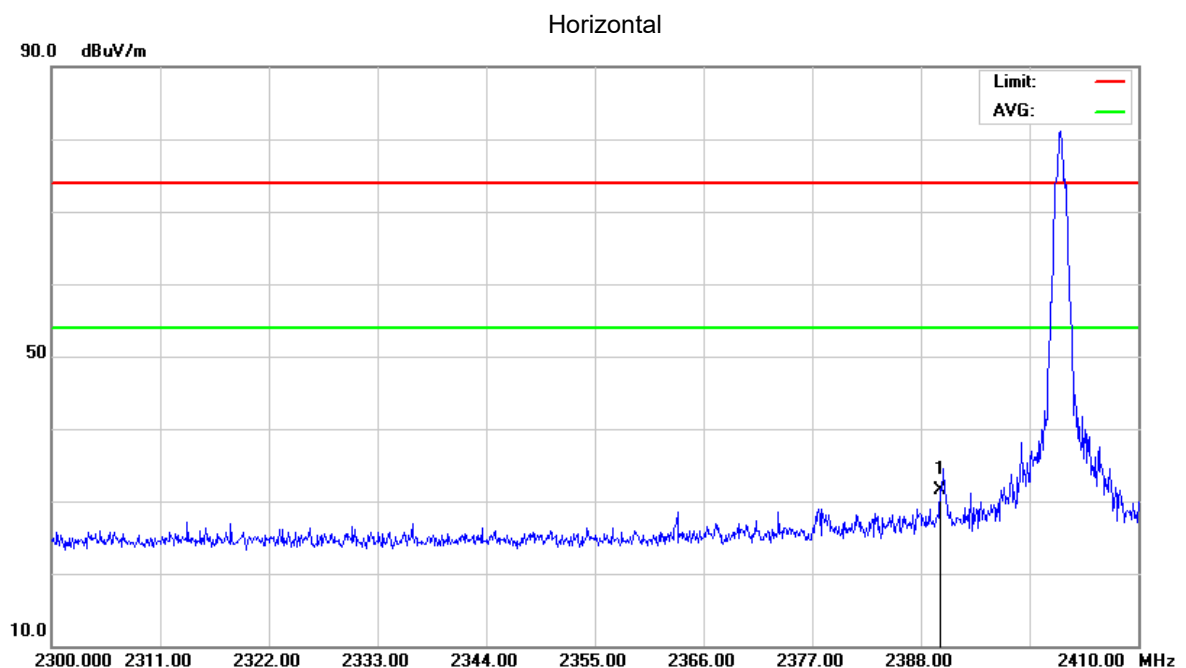


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2478.310	89.57	-4.07	85.50	74.00	11.50	peak
2		4960.000	37.67	-1.57	36.10	74.00	-37.90	peak
3		7440.000	37.52	4.11	41.63	74.00	-32.37	peak

Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

EUT Information

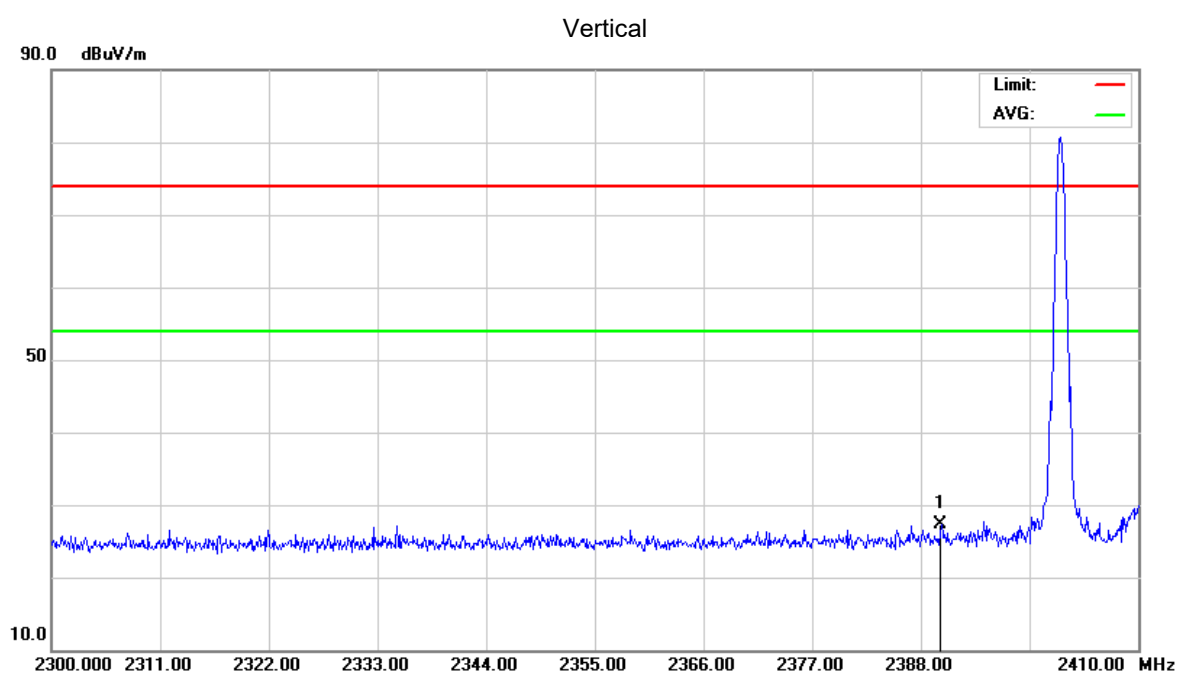
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2390.000	35.66	-4.09	31.57	74.00	-42.43	peak

EUT Information

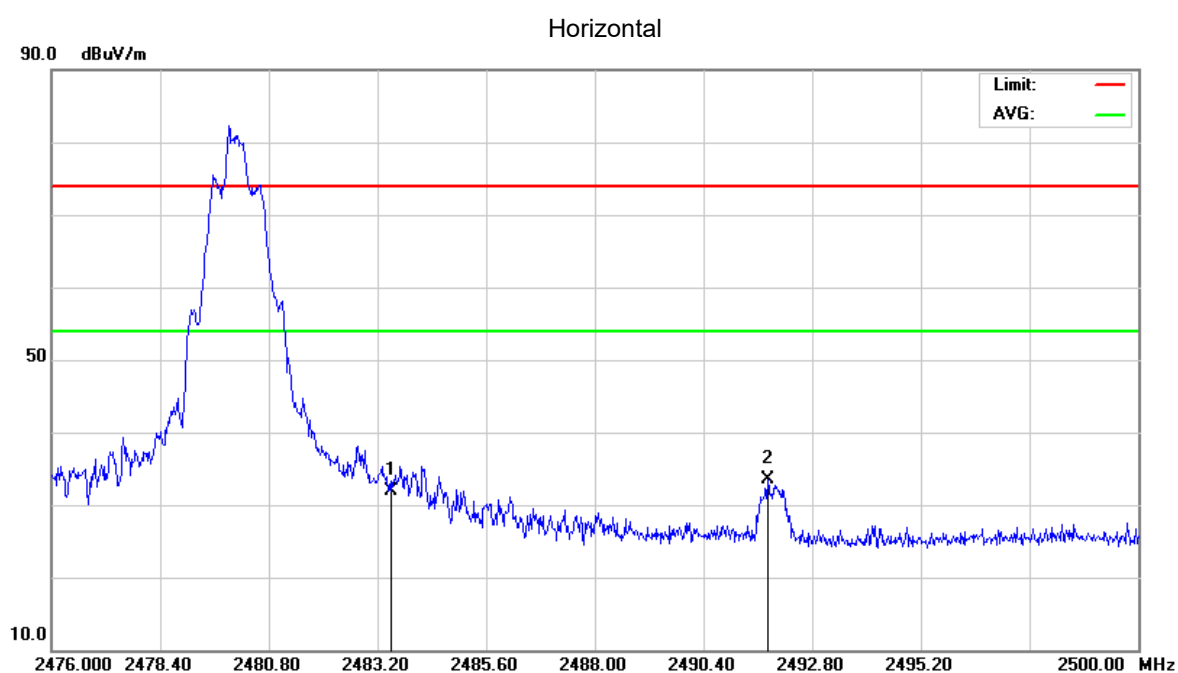
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2390.000	31.31	-4.09	27.22	74.00	-46.78	peak

EUT Information

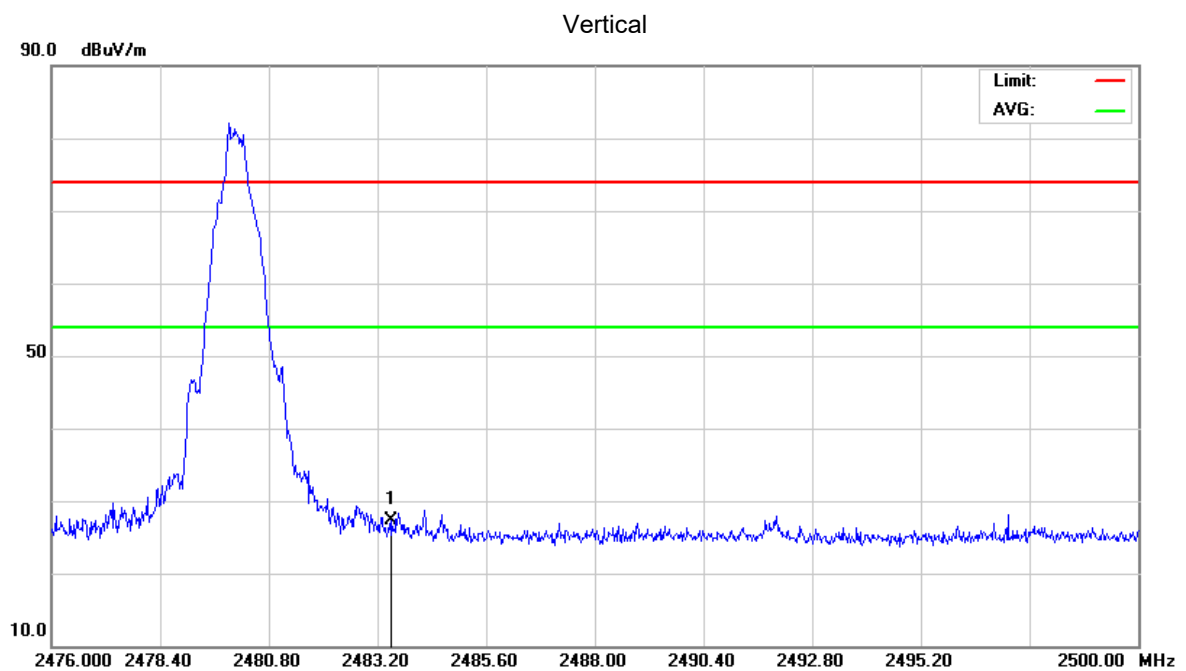
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_High channel
Order No/Sample No: 170473286/AiT DG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2483.500	35.99	-4.06	31.93	74.00	-42.07	peak
2	*	2491.816	37.54	-4.06	33.48	74.00	-40.52	peak

EUT Information

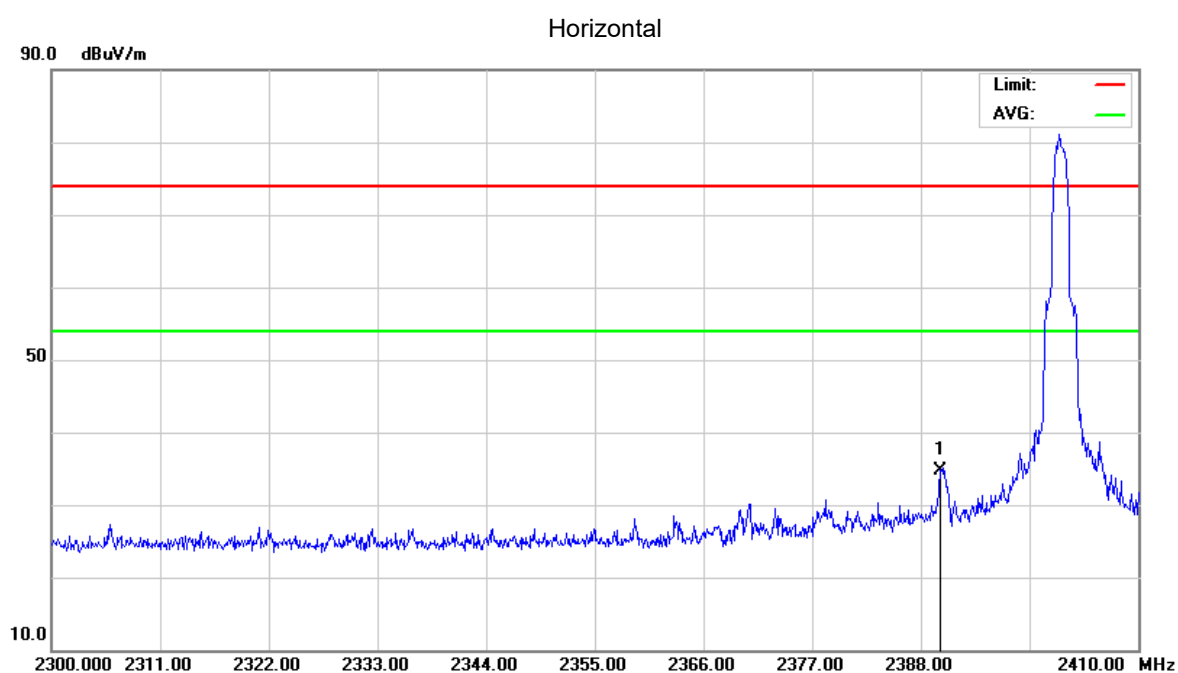
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_DH1_High channel
Order No./Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2483.500	31.33	-4.06	27.27	74.00	-46.73	peak

EUT Information

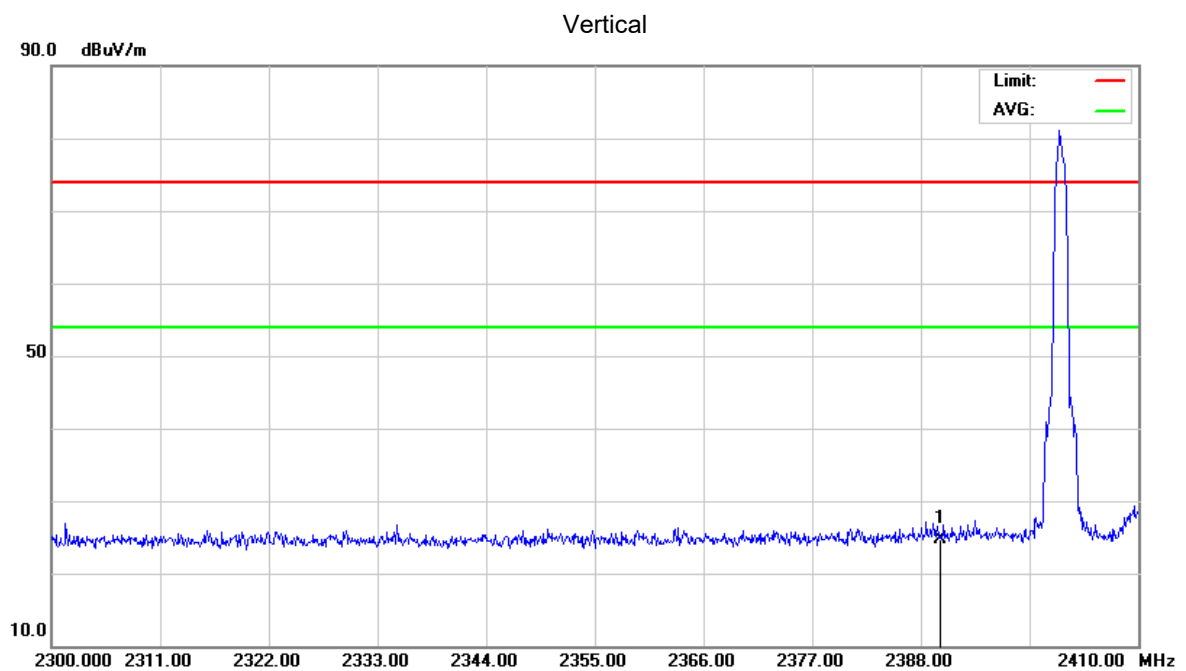
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2390.000	38.80	-4.09	34.71	74.00	-39.29	peak

EUT Information

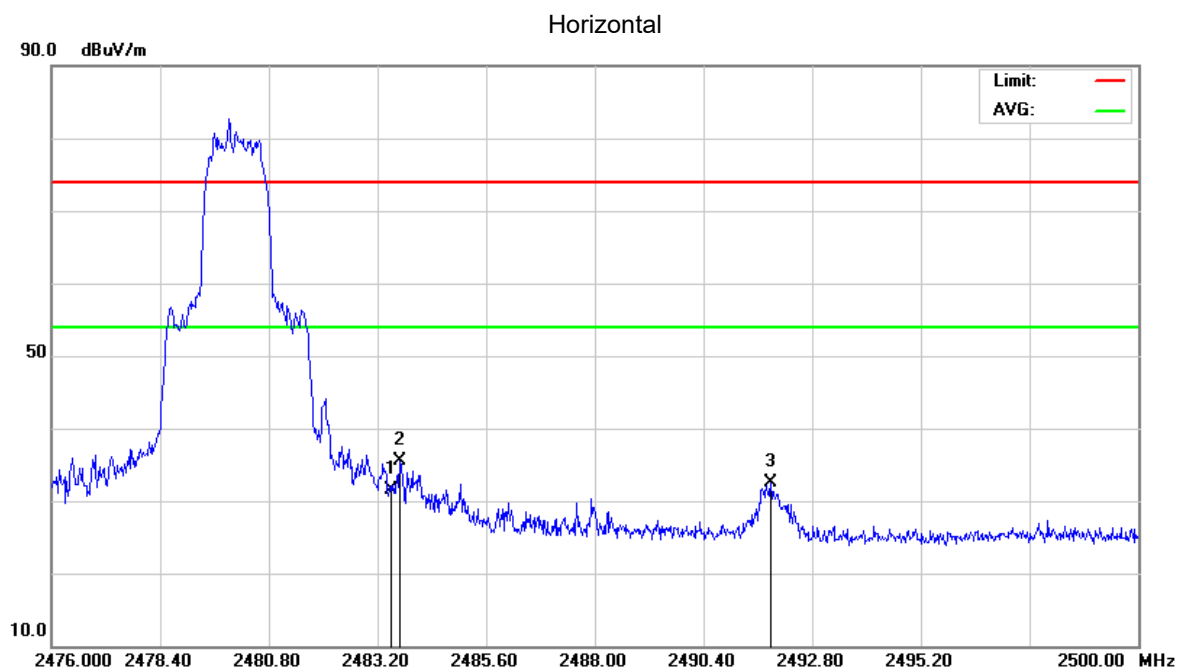
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB Detector
1	*	2390.000	28.81	-4.09	24.72	74.00	-49.28 peak

EUT Information

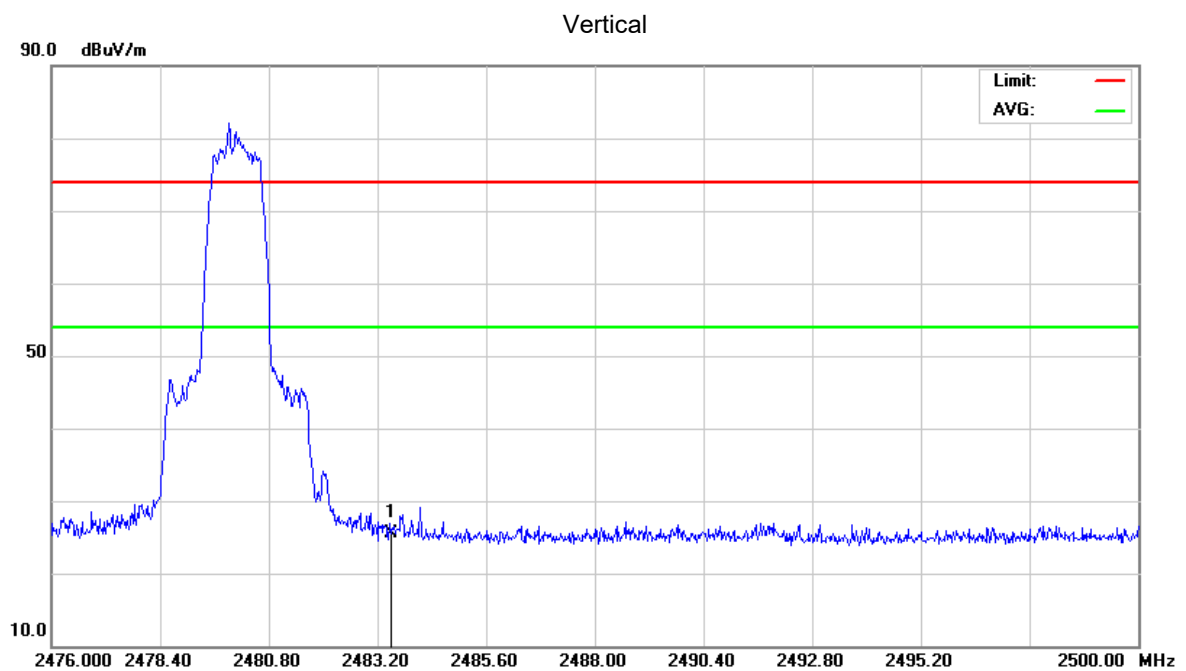
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			Detector
			dBuV	dB	dBuV/m	dBuV/m	dB	
1		2483.500	35.57	-4.06	31.51	74.00	-42.49	peak
2	*	2483.704	39.63	-4.06	35.57	74.00	-38.43	peak
3		2491.888	36.63	-4.06	32.57	74.00	-41.43	peak

EUT Information

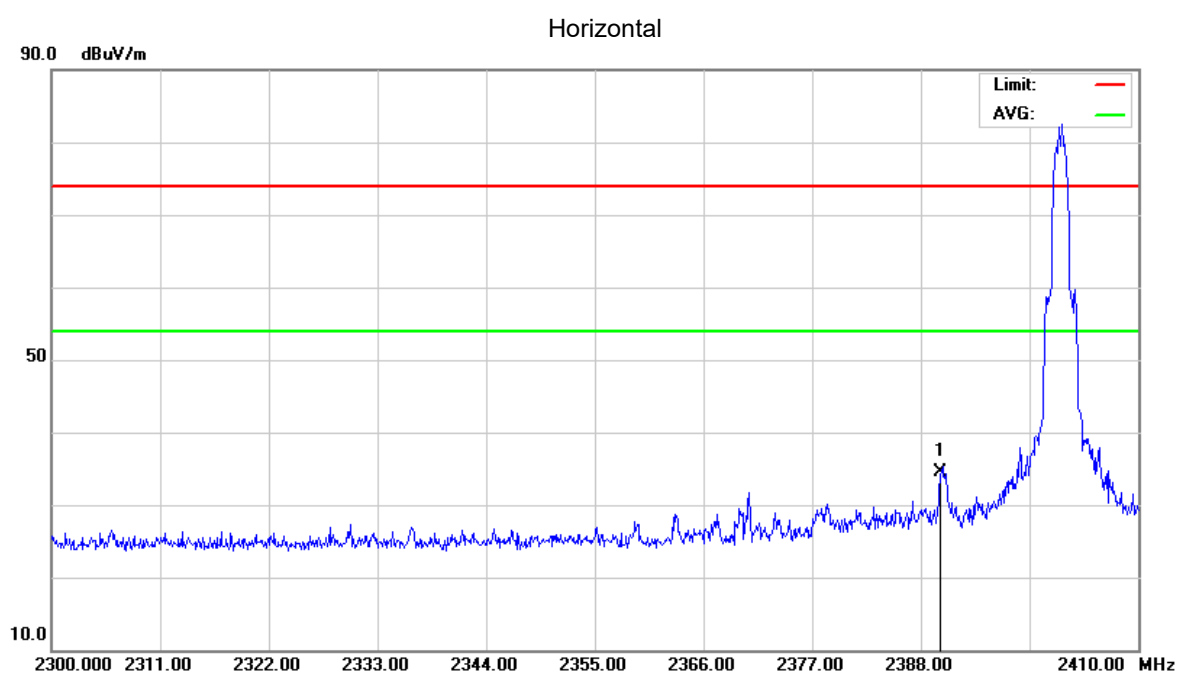
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_2DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB Detector
1	*	2483.500	29.47	-4.06	25.41	74.00	-48.59 peak

EUT Information

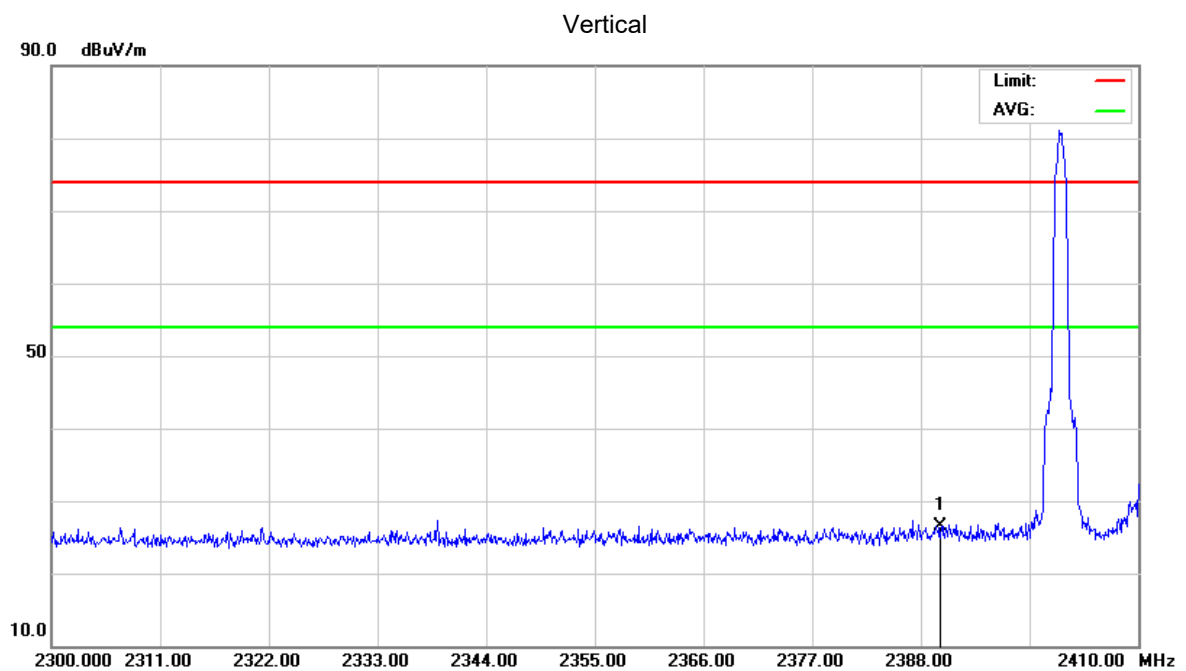
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2390.000	38.59	-4.09	34.50	74.00	-39.50	peak

EUT Information

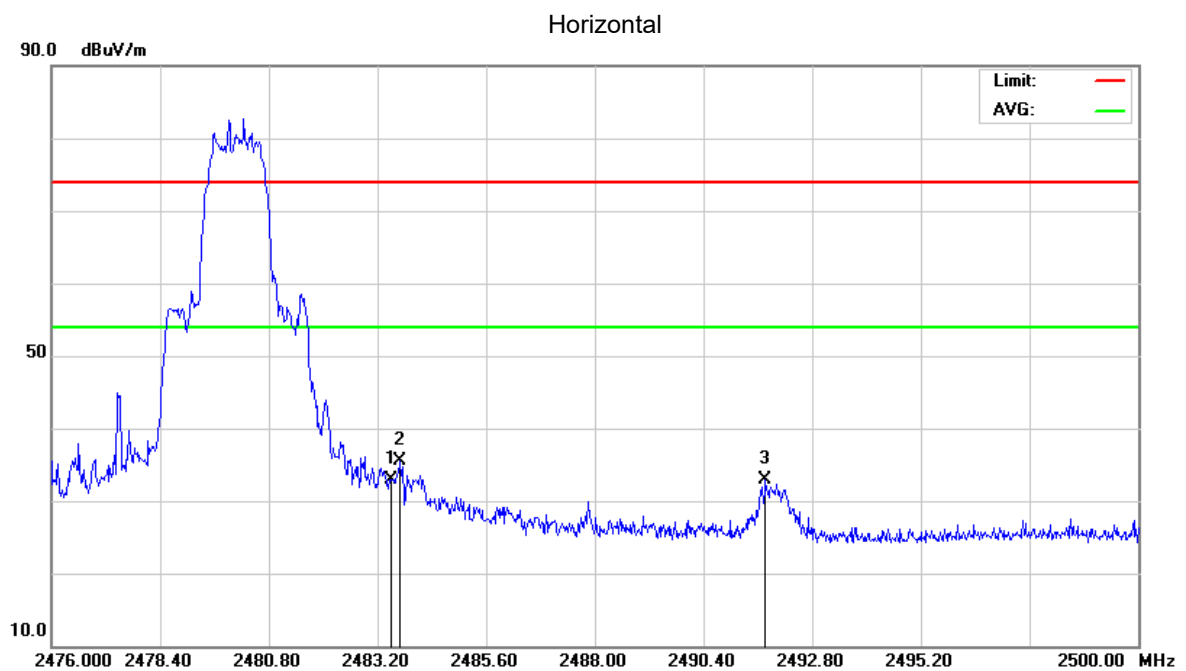
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_Low channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2390.000	30.59	-4.09	26.50	74.00	-47.50	peak

EUT Information

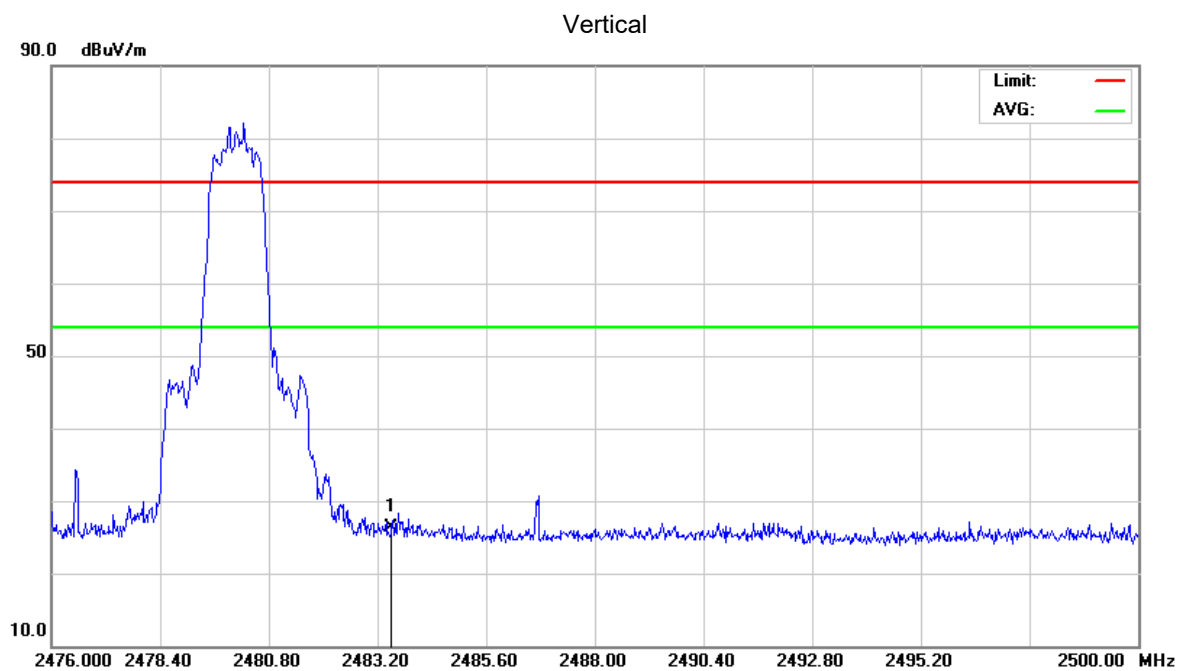
EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2483.500	36.94	-4.06	32.88	74.00	-41.12	peak
2	*	2483.704	39.60	-4.06	35.54	74.00	-38.46	peak
3		2491.768	36.91	-4.06	32.85	74.00	-41.15	peak

EUT Information

EUT Name: Bluetooth Speaker
Model: V3 PRO
Test Mode: BR_3DH1_High channel
Order No/Sample No: 170473286/AiTDG-260605003-1
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Emiya Lin
Reviewed By: Simba Huang



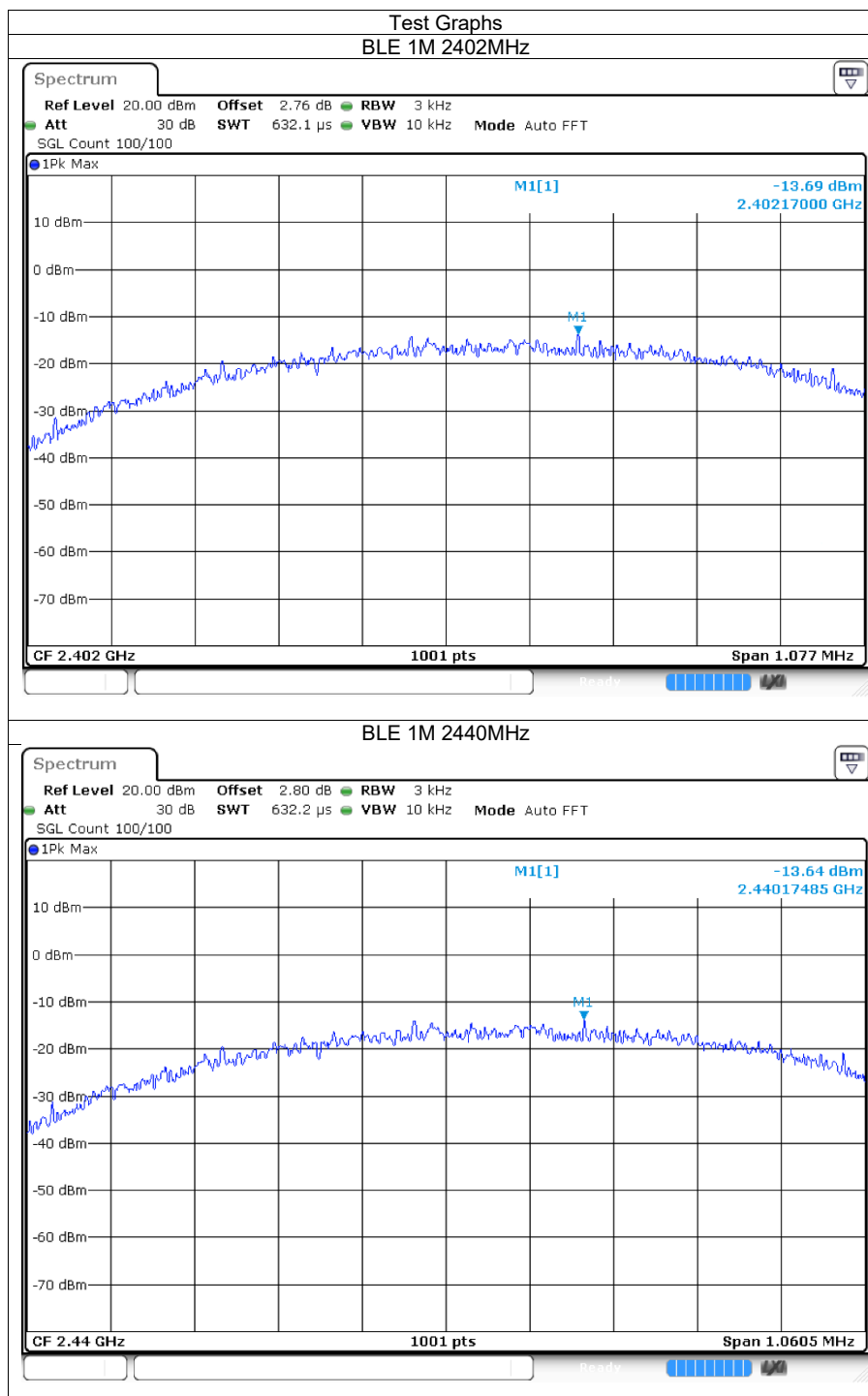
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2483.500	30.31	-4.06	26.25	74.00	-47.75	peak

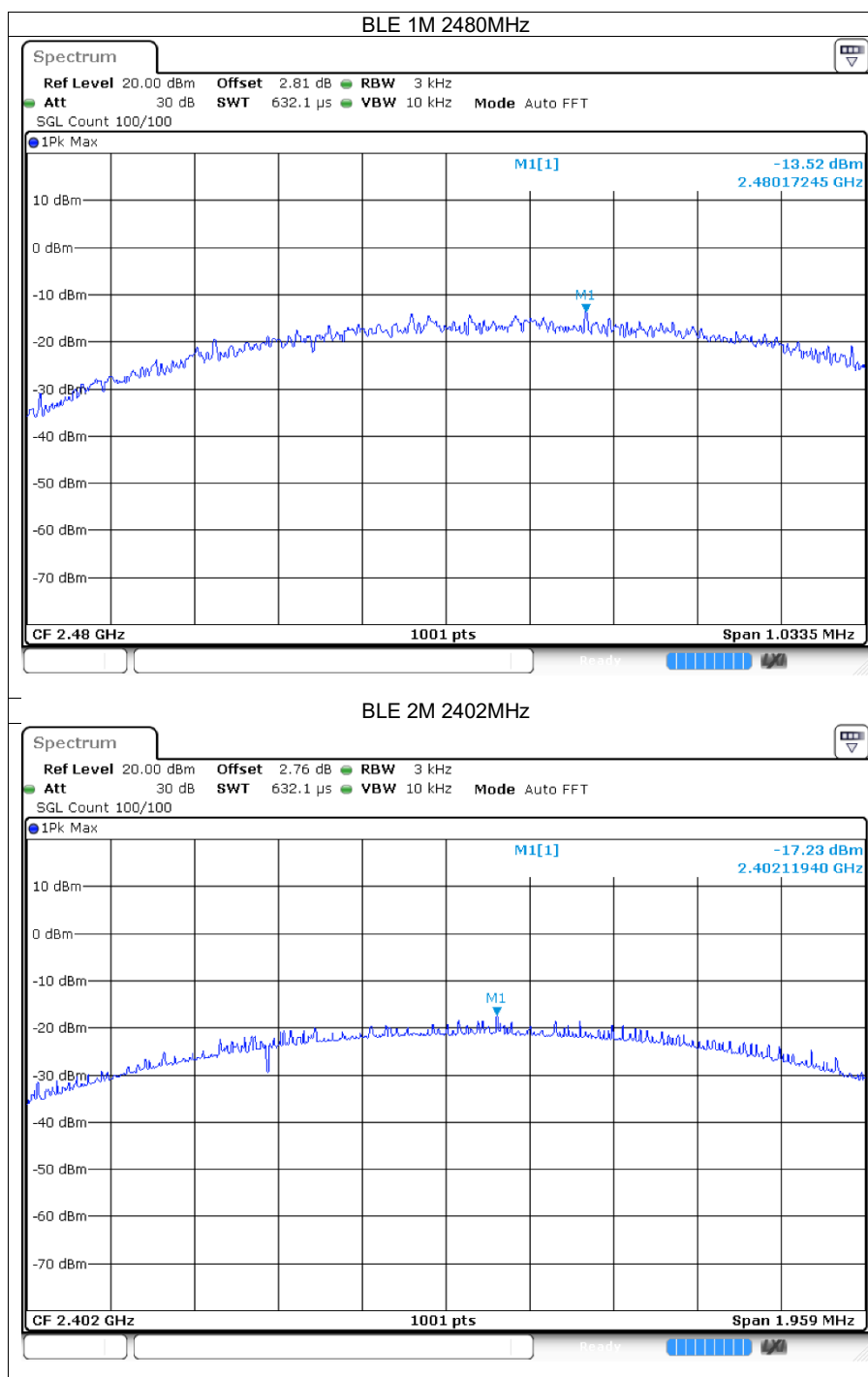
Appendix B: Test Results of Bluetooth Low Energy

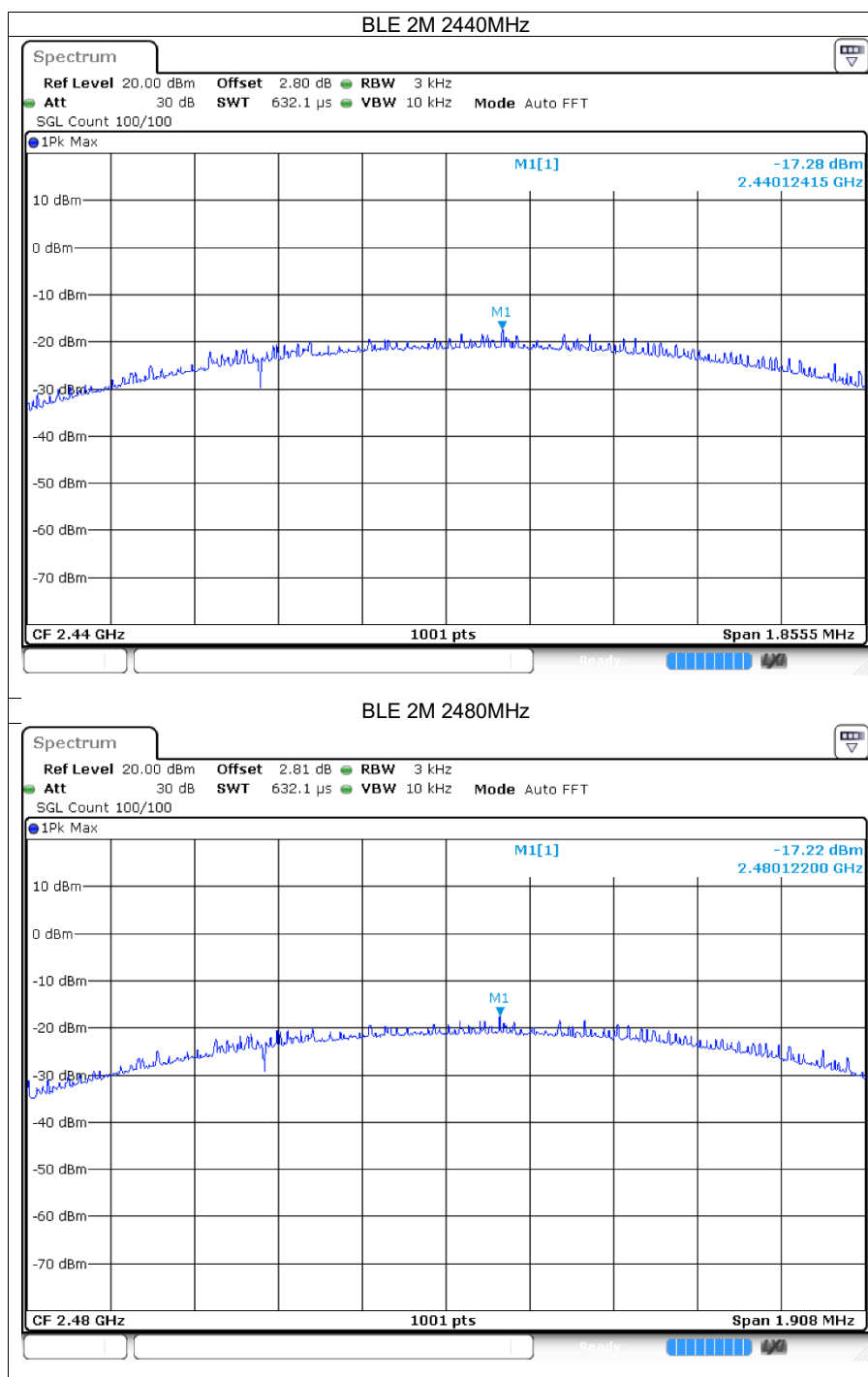
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Appendix B.1: Test Results of Conducted Power Spectral Density

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE 1M	2402	-13.69	≤8	Pass
BLE 1M	2440	-13.64	≤8	Pass
BLE 1M	2480	-13.52	≤8	Pass
BLE 2M	2402	-17.23	≤8	Pass
BLE 2M	2440	-17.28	≤8	Pass
BLE 2M	2480	-17.22	≤8	Pass

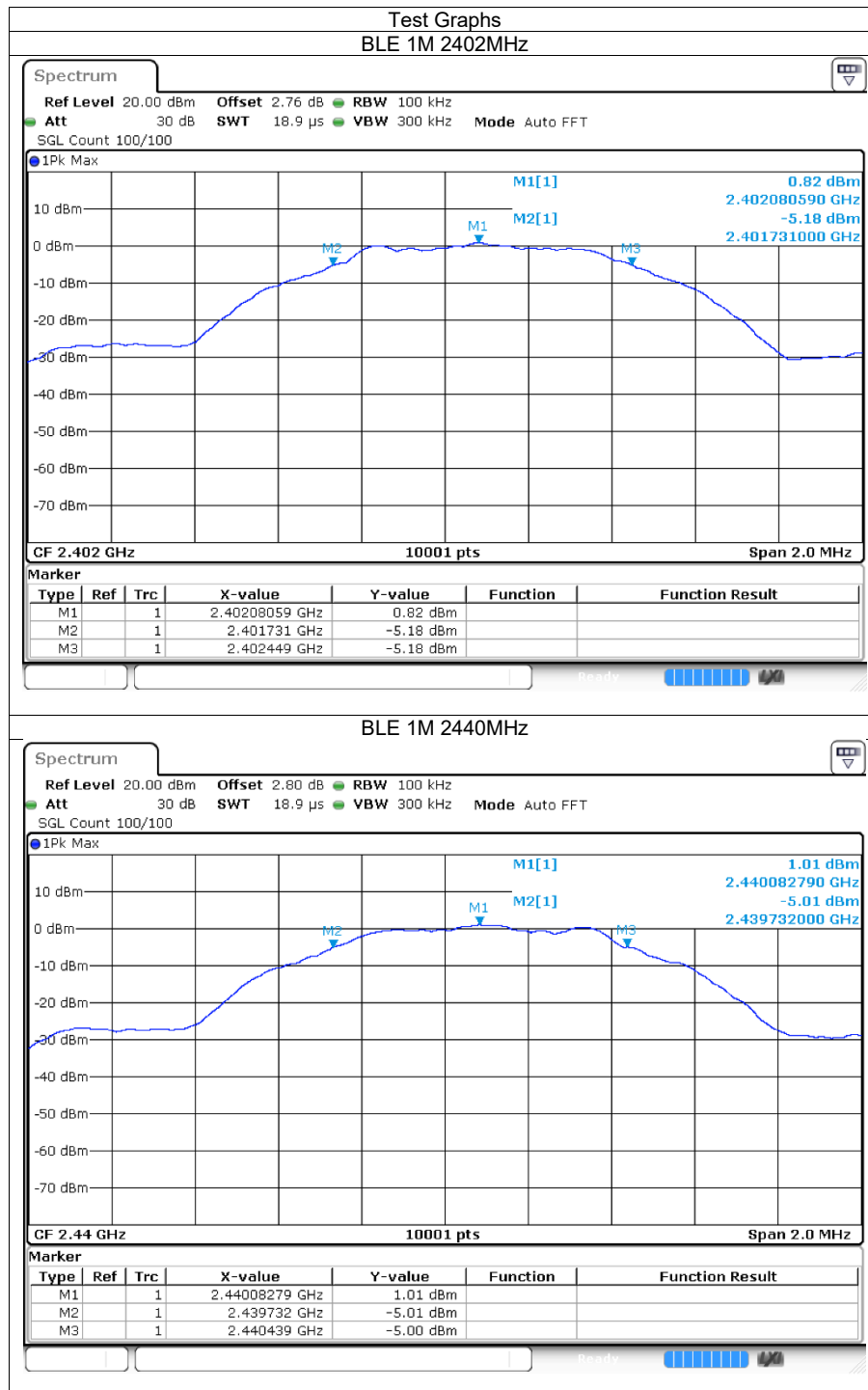


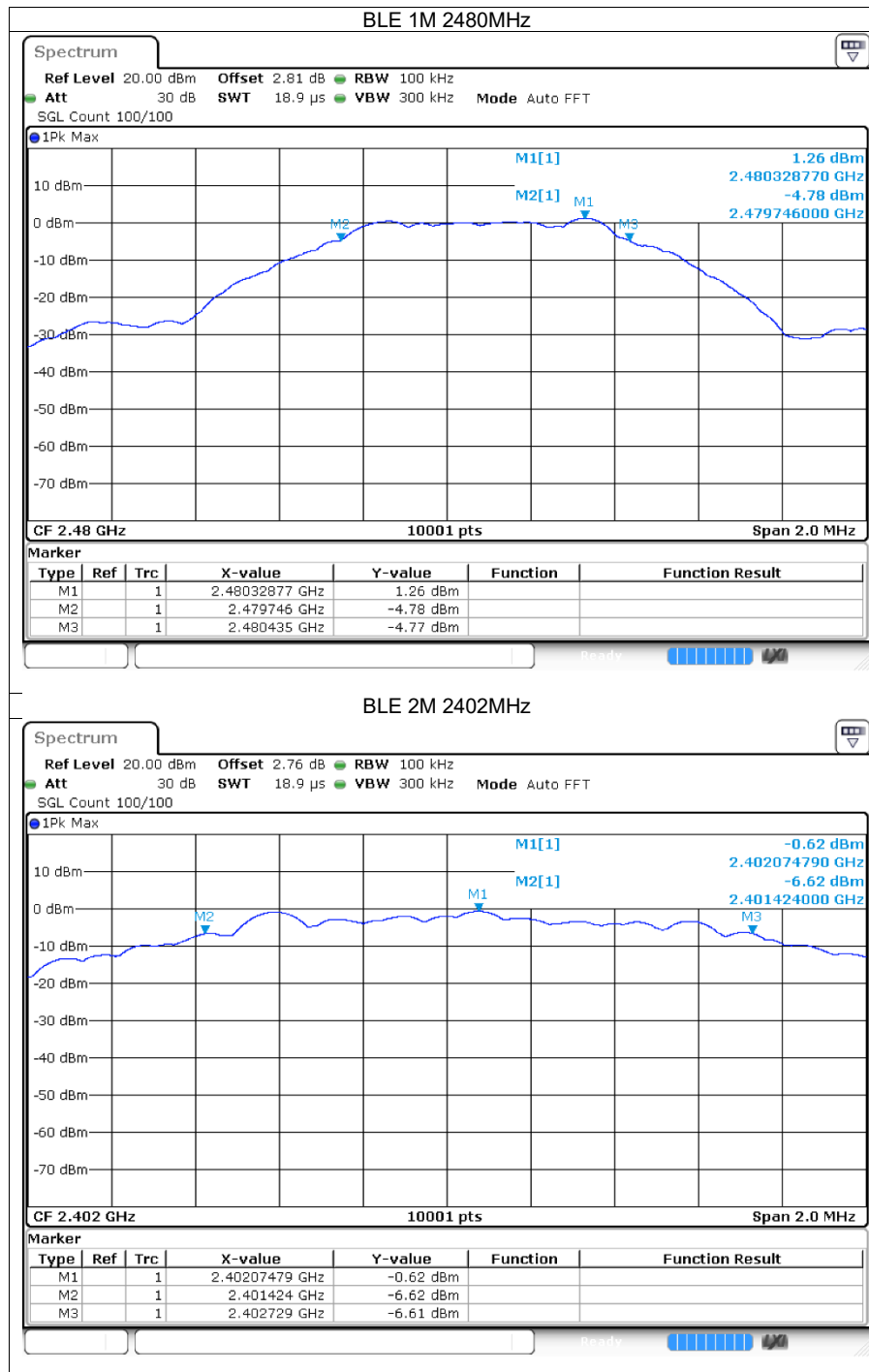


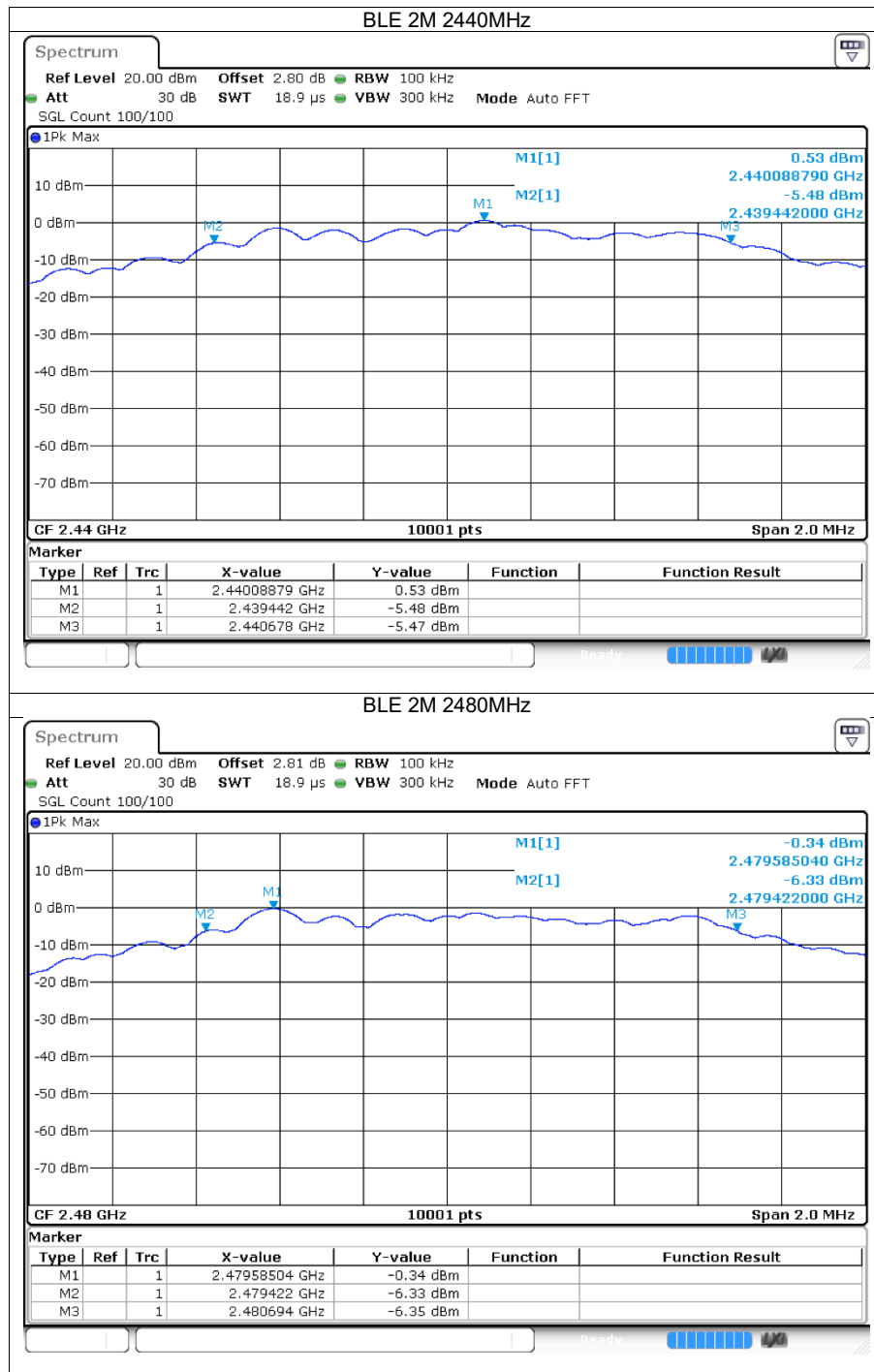


Appendix B.2: Test Results of 6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
BLE 1M	2402	0.718	0.5	Pass
BLE 1M	2440	0.707	0.5	Pass
BLE 1M	2480	0.689	0.5	Pass
BLE 2M	2402	1.306	0.5	Pass
BLE 2M	2440	1.237	0.5	Pass
BLE 2M	2480	1.272	0.5	Pass







Appendix B.3: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
BLE 1M	2402	-56.29	-20	Pass
BLE 1M	2480	-55.98	-20	Pass
BLE 2M	2402	-53.11	-20	Pass
BLE 2M	2480	-55.5	-20	Pass

