

TEST REPORT

Applicant	B&W GROUP LTD
Address	DALE ROAD, WORTHING, WEST SUSSEX BN11 2BH, UNITED KINGDOM

Manufacturer or Supplier	B&W GROUP LTD
Address	DALE ROAD, WORTHING, WEST SUSSEX BN11 2BH, UNITED KINGDOM
Product	Noise Cancelling Wireless Headphones
Brand Name	Bowers & Wilkins
Model	Px6
Additional Model & Model Difference	N/A
Date of tests	Jul. 28, 2026 ~ Aug. 13, 2026

The tests have been carried out according to the requirements of the following standards:

☒ **FCC Part 15, Subpart C, Section 15.247**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared By Lucas Chen Project Engineer / EMC Department	Approved by Andy Zhu Supervisor / EMC Department
	 Date: Oct. 09, 2026

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2607WDG0350-1	Original release	Oct. 09, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
15.247(a)(1)(iii)	Number of Hopping Frequency Used	PASS	Meet the requirement of limit.
15.247(a)(1)(iii)	Dwell Time on Each Channel	PASS	Meet the requirement of limit.
15.247(a)(1)	1. Hopping Channel Separation 2. Spectrum Bandwidth of a Frequency Hopping Sequence Spread Spectrum System	PASS	Meet the requirement of limit.
15.247(b)	Conducted Output Power	PASS	Meet the requirement of limit.
15.247(d)& 15.209	Transmitter Radiated Emission	PASS	Meet the requirement of limit.
15.247(d)	Out of Band Emission Measurement	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	No antenna connector is used.

2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	0.15MHz ~ 30MHz	2.66 dB
Radiated emissions	9KHz ~ 30MHz	2.16 dB
	30MHz ~ 1GMHz	3.56 dB
	1GHz ~ 18GHz	4.84 dB
	18GHz ~ 40GHz	5.73 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Noise Cancelling Wireless Headphones
MODEL NO.	Px6
ADDITIONAL MODEL	N/A
FCC ID	2ACIX-PX6
POWER SUPPLY	DC 5V from USB or DC 3.85V from Li-ion Battery
MODULATION TECHNOLOGY	FHSS
MODULATION TYPE	GFSK, $\pi/4$ DQPSK, 8DPSK
OPERATING FREQUENCY	2402MHz~2480MHz
NUMBER OF CHANNEL	79
PEAK OUTPUT POWER	6.32dBm (Max. Measured)
ANTENNA TYPE	PCB Antenna, 1.66dBi Gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	Type-C cable: Unshielded, Detachable, 1.2m; Type-C to 3.5mm cable: Unshielded, Detachable, 1.2m

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2607WDG0350) for detailed product photo.

3.2 DESCRIPTION OF TEST MODES

79 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	/	/

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photograph of the test configuration for reference.

3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis, power supply voltage range and antenna ports
The worst case was found when positioned on X axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE≥1G	PLC	APCM	
A	√	√	√	√	DC 5V from USB Input AC 120V, 60Hz

Where **RE<1G**: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz
APCM: Antenna Port Conducted Measurement

RADIATED EMISSION TEST (BELOW 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
A	0 to 78	39	FHSS	GFSK	DH5

For the test results, only the worst case was shown in test report.

RADIATED EMISSION TEST (ABOVE 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
A	0 to 78	0, 39, 78	FHSS	GFSK	DH5
A	0 to 78	0, 39, 78	FHSS	8DPSK	3DH5

POWER LINE CONDUCTED EMISSION TEST:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	TESTED CONDITION
A	BT Link

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and packet types.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	PACKET TYPE
A	0 to 78	0, 39, 78	FHSS	GFSK	DH5
A	0 to 78	0, 39, 78	FHSS	8DPSK	3DH5

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	TEST VOLTAGE	TESTED BY
RE<1G	24deg. C, 55%RH	DC 5V from USB Input AC 120V, 60Hz	Carl
RE≥1G	24deg. C, 55%RH	DC 5V from USB Input AC 120V, 60Hz	Carl
PLC	24deg. C, 55%RH	DC 5V from USB Input AC 120V, 60Hz	Yonah
APCM	24.2deg. C, 55%RH	DC 5V from USB Input AC 120V, 60Hz	Yonah

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is an RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.247
KDB 558074 D01 15.247 Meas Guidance v05r02
ANSI C63.10-2020

All test items have been performed and recorded as per the above standards.

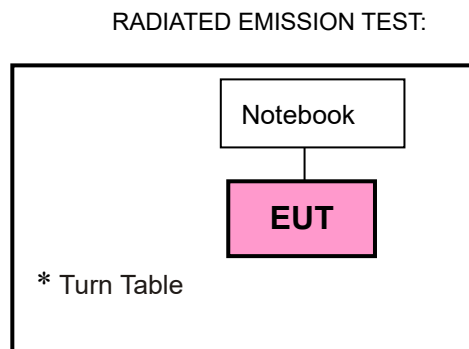
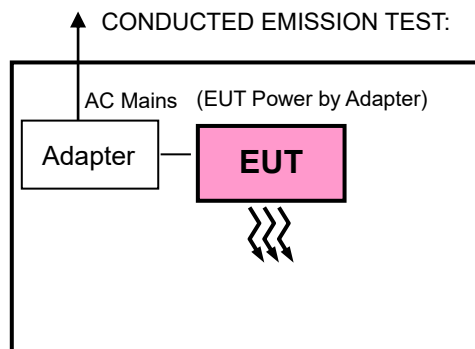
3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	REMARK
1	Notebook	DELL	Latitude E6420	00426-OEM-899 2662-00006	N/A
2	Notebook	HUAWEI	NbD-WFH9	EUEPM2172500 2655	N/A
3	Adapter	UGREEN	CD231	80913	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1, 2	USB extension cord: Unshielded, Detachable 1.8m;

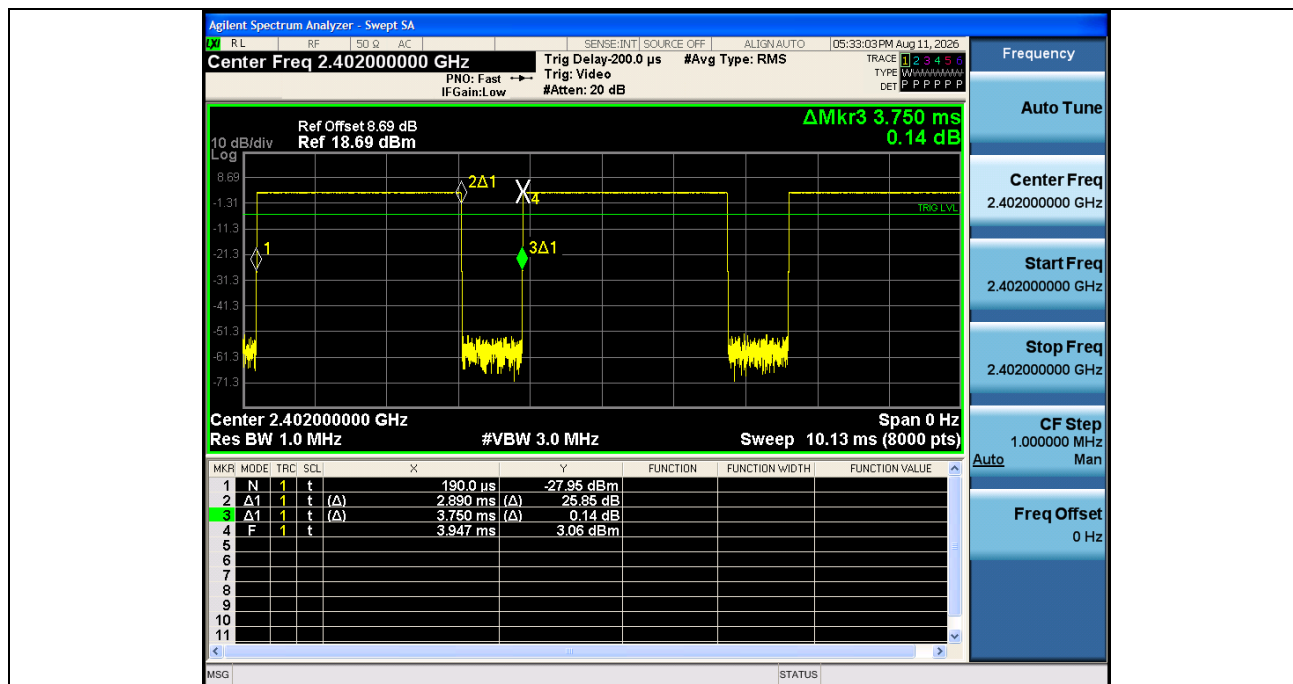
3.5 CONFIGURATION OF SYSTEM UNDER TEST



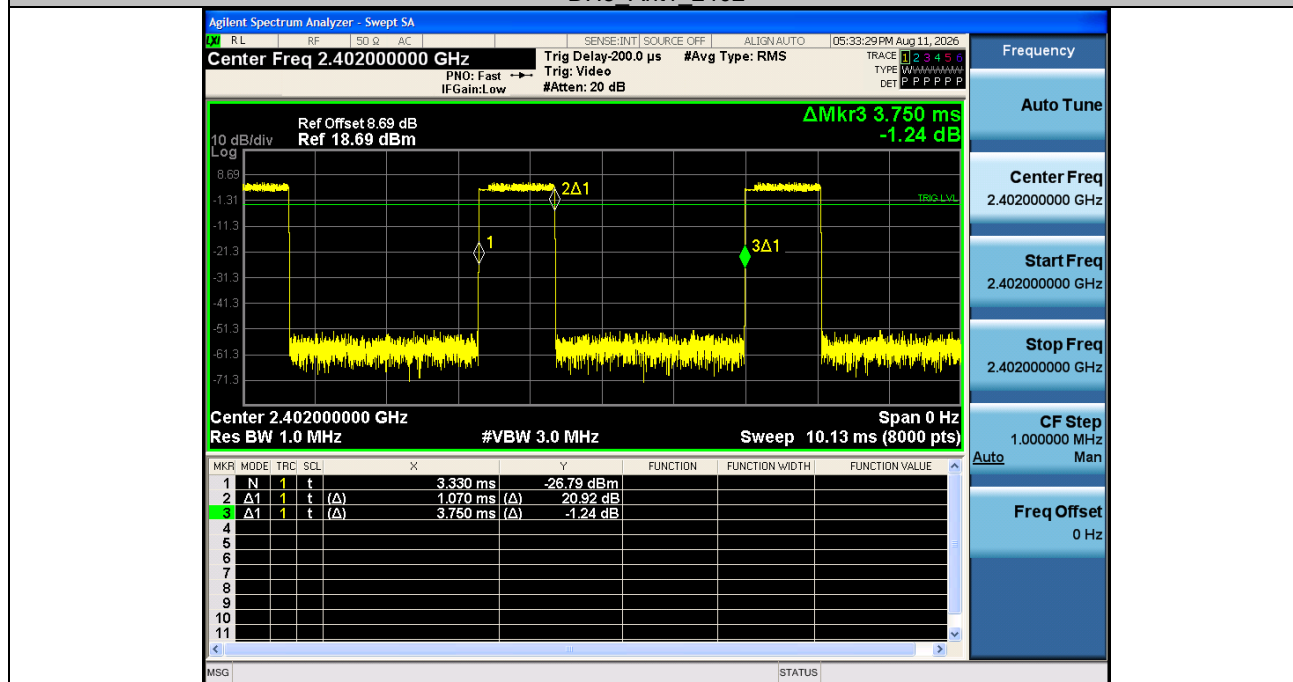
Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).



Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
DH5	Ant1	2402	2.89	3.75	77.07
3DH5	Ant1	2402	1.07	3.75	28.53



DH5 Ant1 2402



3DH5 Ant1 2402

4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal. Date
EMI Test Receiver (10kHz~7GHz)	Rohde&Schwarz	ESR7	101962	2027-07-12
2 Line V-Network LISN	Rohde&Schwarz	ENV216	3560.6550.15	2027-07-13
Test software	FARAD	EZ EMC V1.1.4.2	N/A	N/A
Broadcast test system	R&S	SFU	100410	2027-07-12

Note:

- The test was performed in Shielded Room 743 (Hwa-Hsing (Dongguan) Testing Co., Ltd.).
- Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle, the calibration interval of the above test instruments is 12/24*/36** months.
- The FCC Site registration No. is 915896, and the designation number is CN1255.
- Test date: Aug. 12, 2026

4.1.3 TEST PROCEDURES

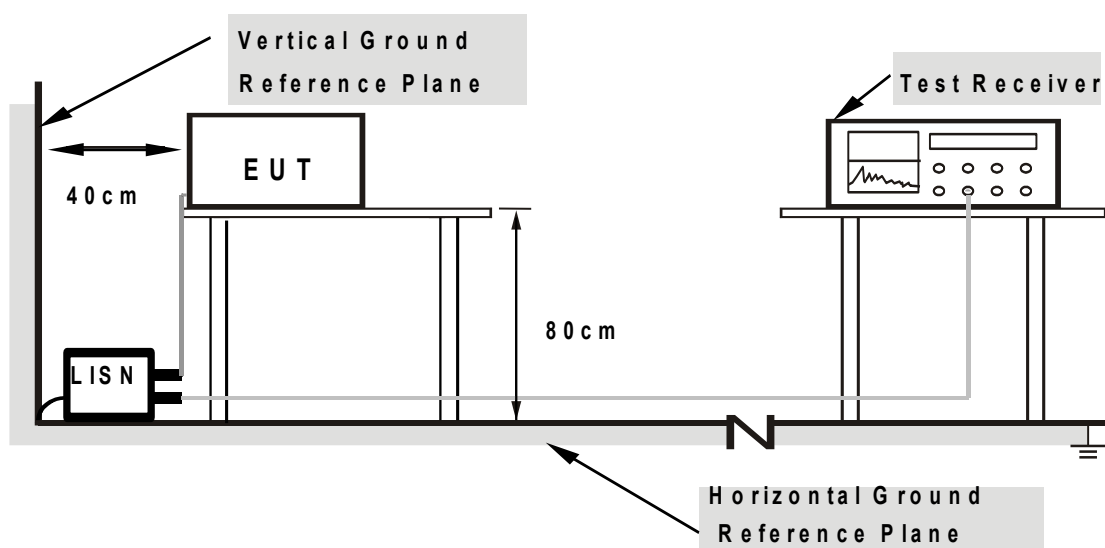
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN .

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

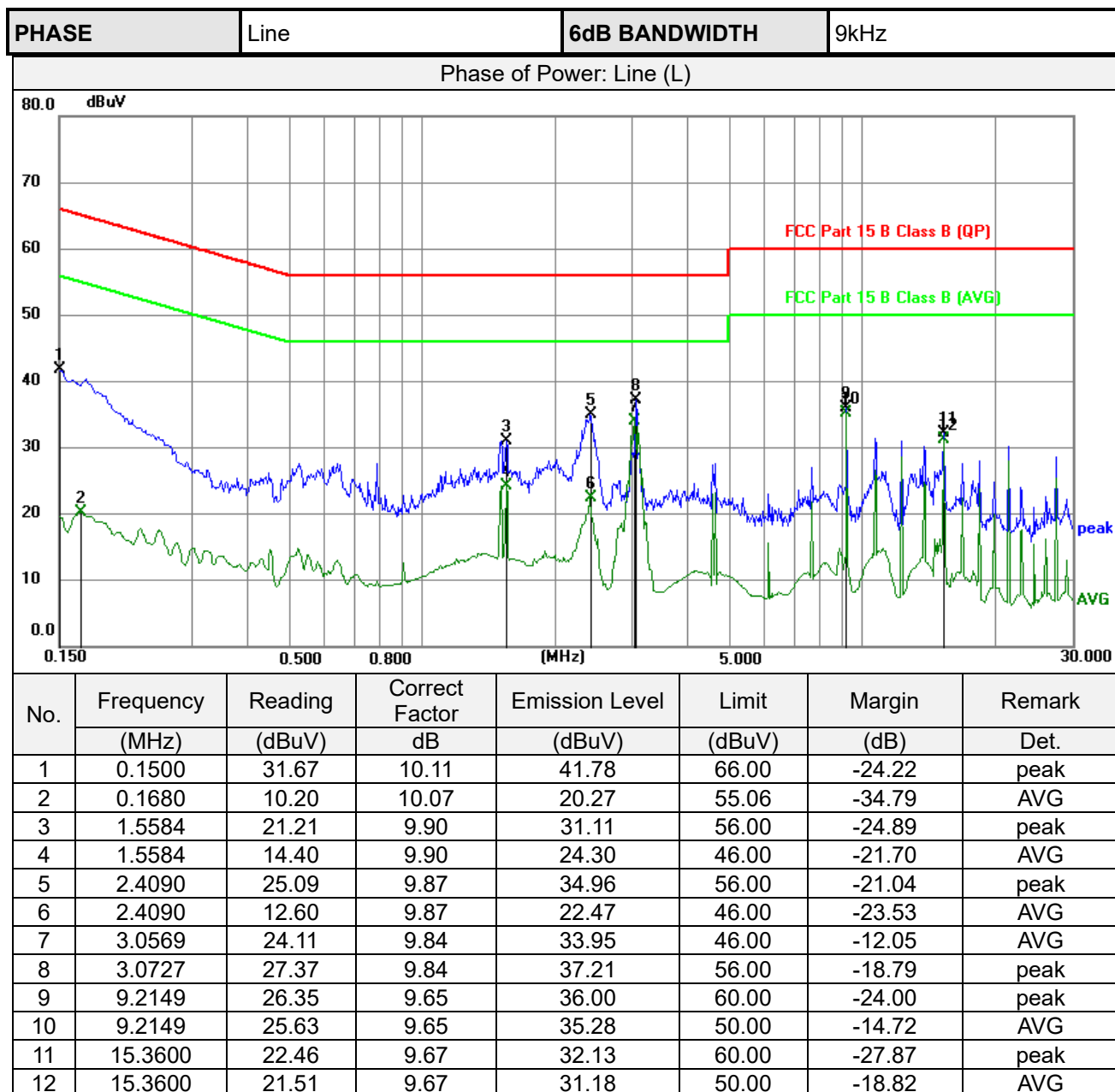
For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: BT Link

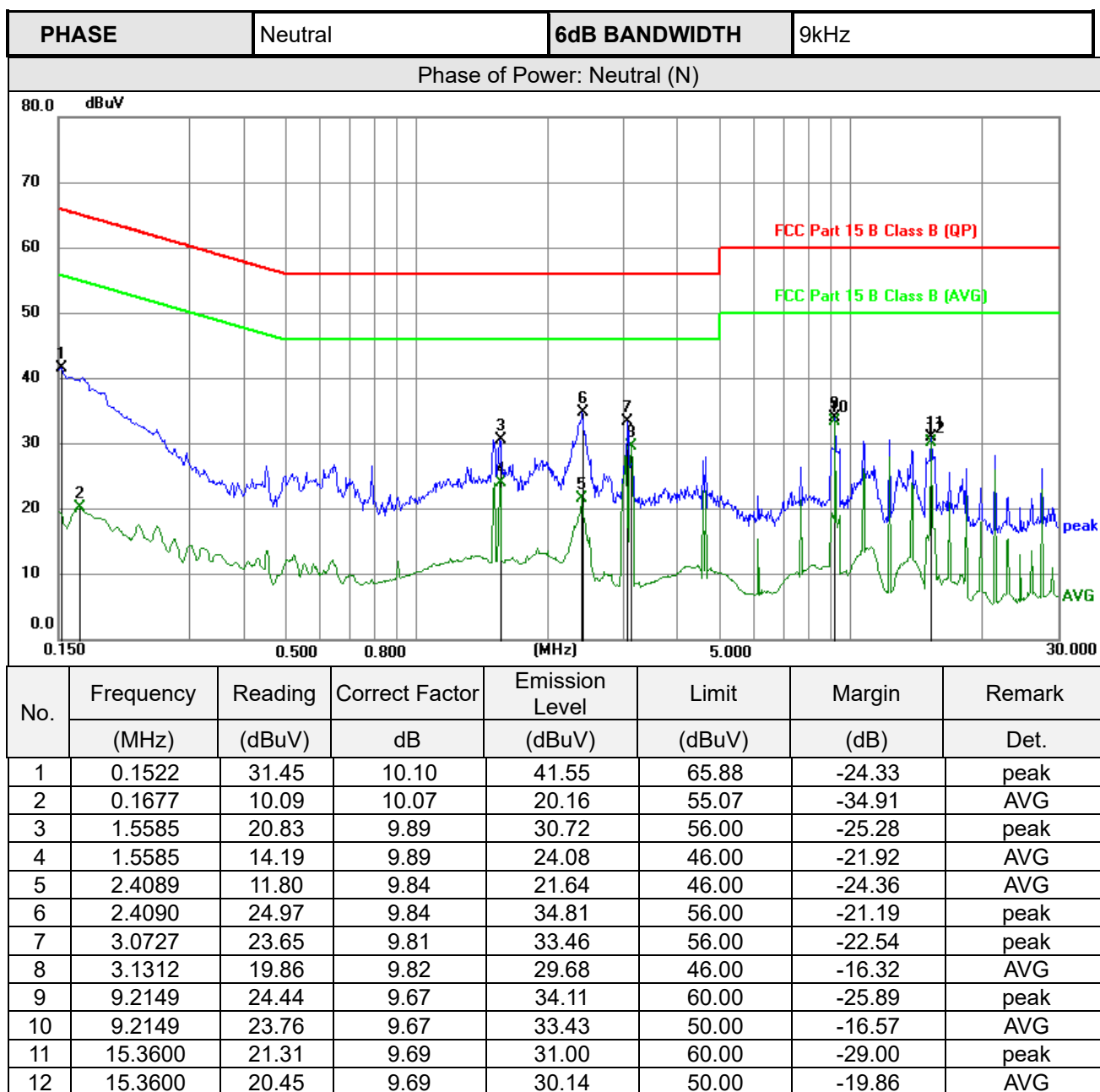


- Remarks:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.



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- Remarks:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. The emission levels of other frequencies were very low against the limit.
 3. Margin value = Emission level - Limit value
 4. Correction factor = Insertion loss + Cable loss
 5. Emission Level = Correction Factor + Reading Value.

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4.2 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). Other emissions shall be at least 20dB below the highest level of the desired power.

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESPI 7	101978	2027-07-12
Broadband antenna (25MHz~2500MHz)	Schwarzbeck	VULB 9168	00937	2028-05-22*
Signal Amplifier (30MHz~1000MHz)	Com-power	PAM-103	18020051	2027-07-12
Attenuator	R&S	TS2GA-6dB	18101101	N/A
3m Semi-anechoic Chamber	MAORUI	9m*6m*6m	HS-2018037	2029-03-21**
Test software	FARAD	EZ EMCV1.1.4.2	N/A	N/A
Digital Multimeter	FLUKE	15B+	43512617WS	2027-07-16
Horn Antenna	Schwarzbeck	BBHA 9120 D	02202	2028-05-22*
Spectrum Analyzer	Rohde&Schwarz	FSV40	101783	2027-07-12
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	00025	2027-07-12
Pre-Amplifier	EMCI	EMC 184045SE	9870709	2027-07-13
Spectrum	Keysight	N9020A	MY51240612	2027-07-12
Broadcast test system	R&S	SFU	100410	2027-07-12
Antenna Tower	MF	MFA-440H	NA	NA
Turn Table	MF	MFT-201SS	NA	NA
Antenna Tower&Turn Table Controller	MF	MF-7802	NA	NA
Coaxial cable	N/A	N/A	HS-EMC-103	2027-07-13
Coaxial cable	N/A	N/A	HS-EMC-104/105	2027-07-13
Loop Antenna	EMCI	HLA 6121	56735	2028-05-22*

NOTES:

1. The test was performed in 966 Chamber (Hwa-Hsing (Dongguan) Testing Co., Ltd).
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle, the calibration interval of the above test instruments is 12/24*/36** months.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site registration No. is 915896, and the designation number is CN1255.
5. Test date: Aug. 12, 2026

4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters(above 1GHz) and 0.8 meters(below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. For below 1GHz was used bilog antenna, and above 1GHz was used horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1.3m above the ground.
- g. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

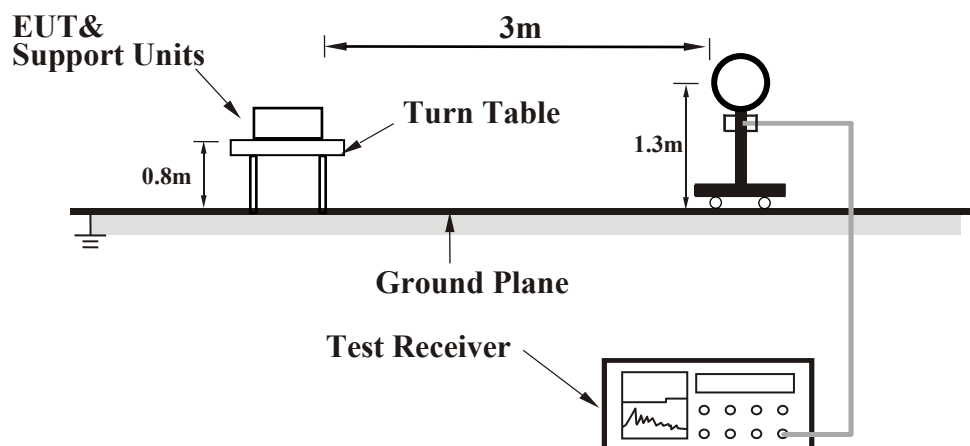
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
4. The testing of the EUT was performed on all 3 orthogonal axes; the worst-case test configuration was reported on the file test setup photo.

4.2.4 DEVIATION FROM TEST STANDARD

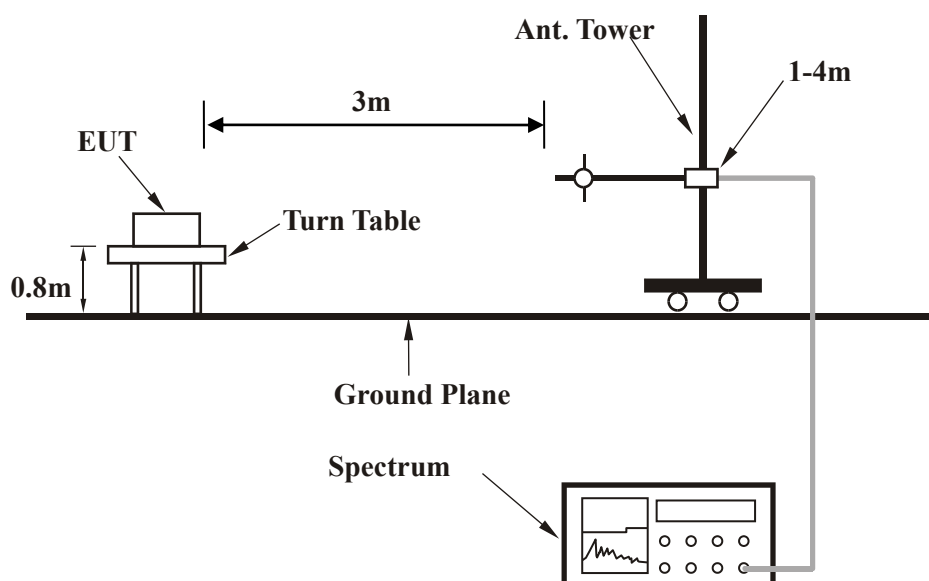
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup

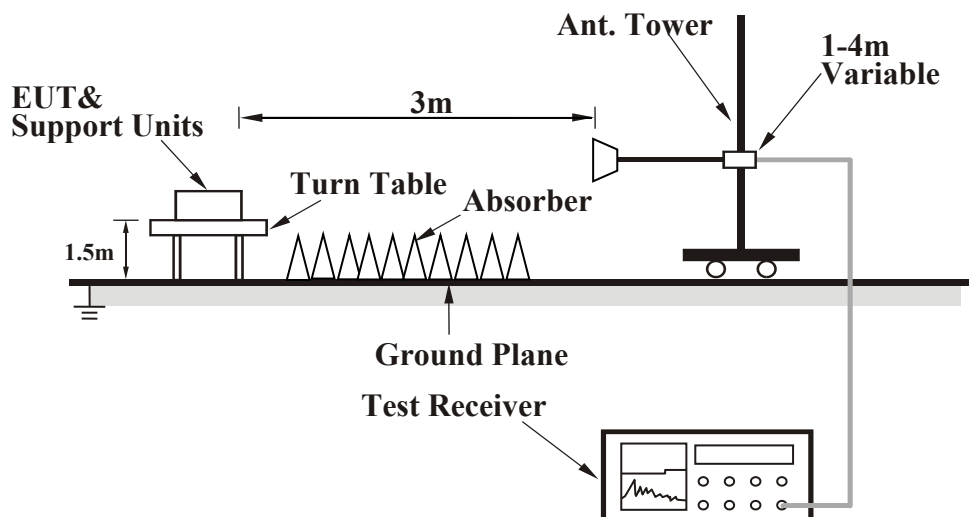


Below 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

Above 1GHz test setup



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

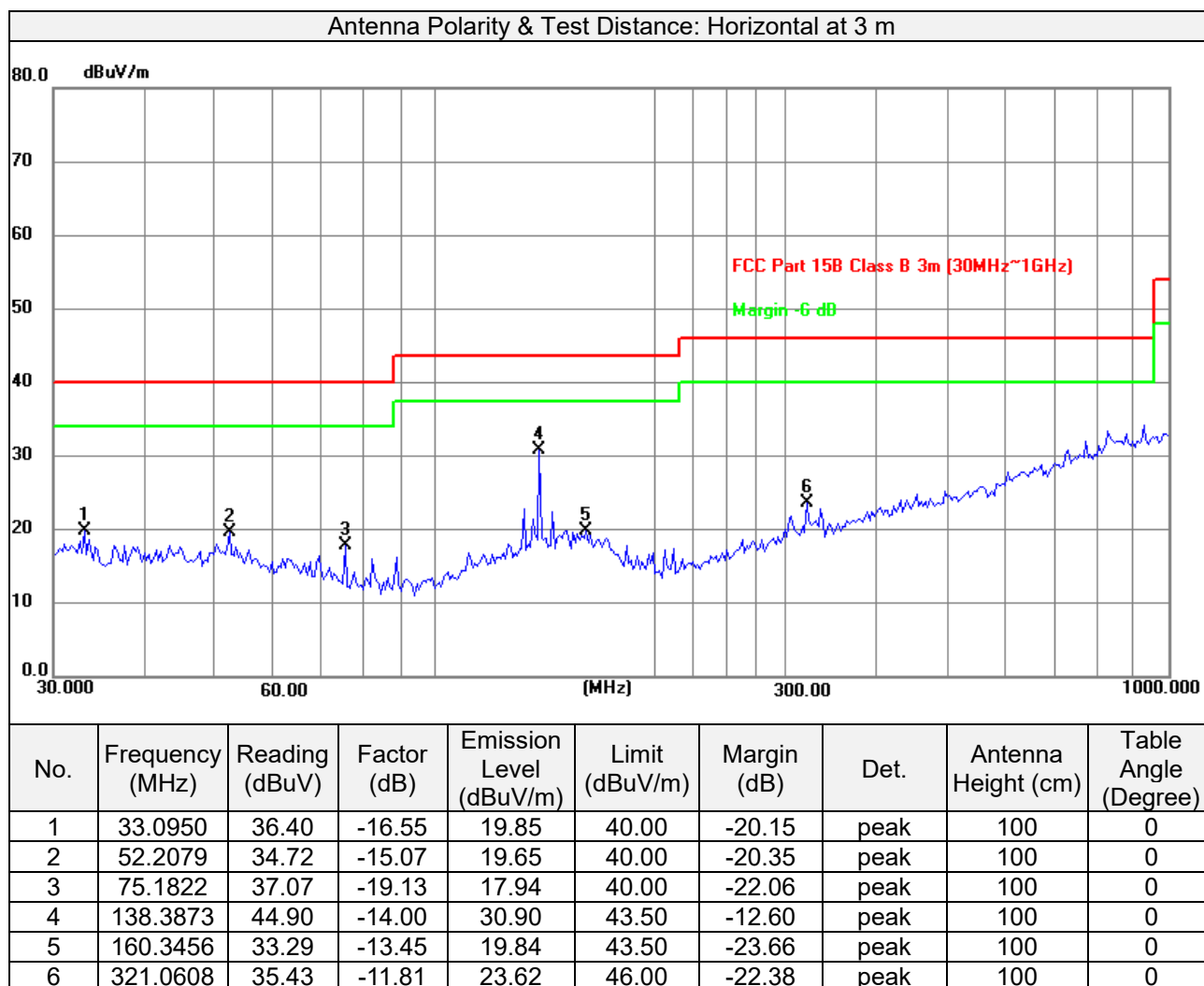
- Set the EUT under full load condition and placed them on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.

4.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

GFSK DH5

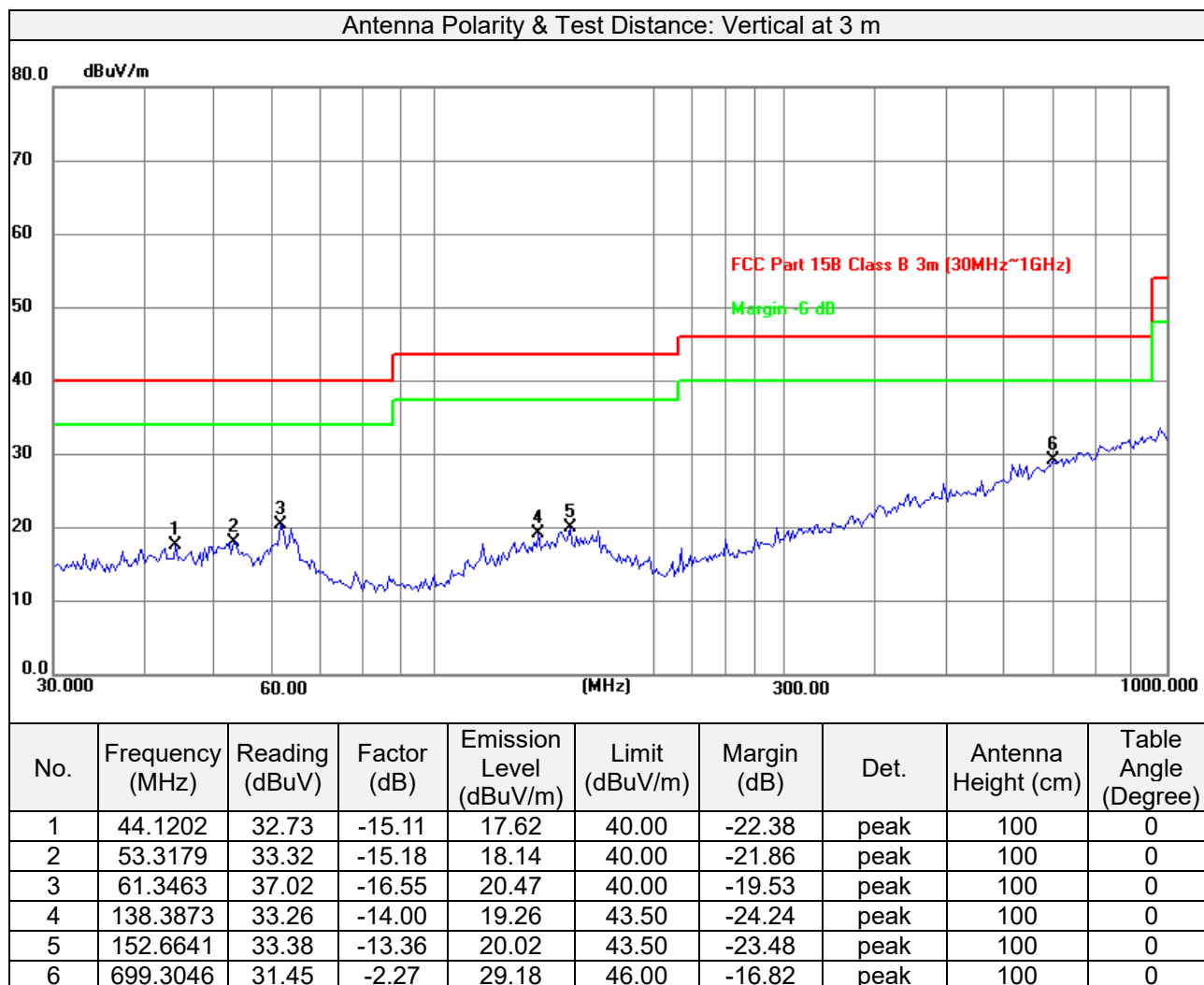
CHANNEL	Channel 39	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.

CHANNEL	Channel 39	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.

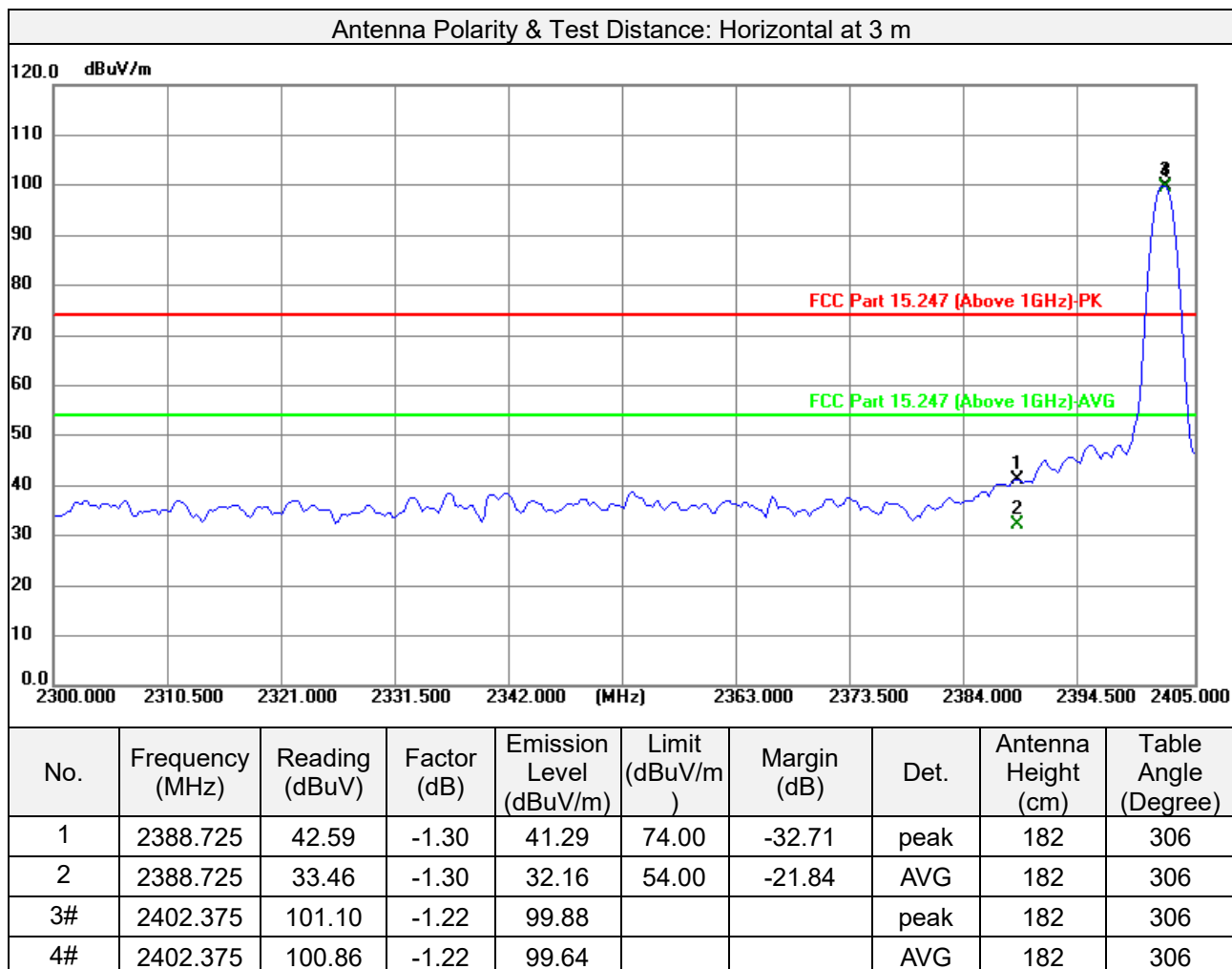


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Above 1GHz, all modes have been tested, and only the worst mode is shown below: GFSK

Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 0



Remarks:

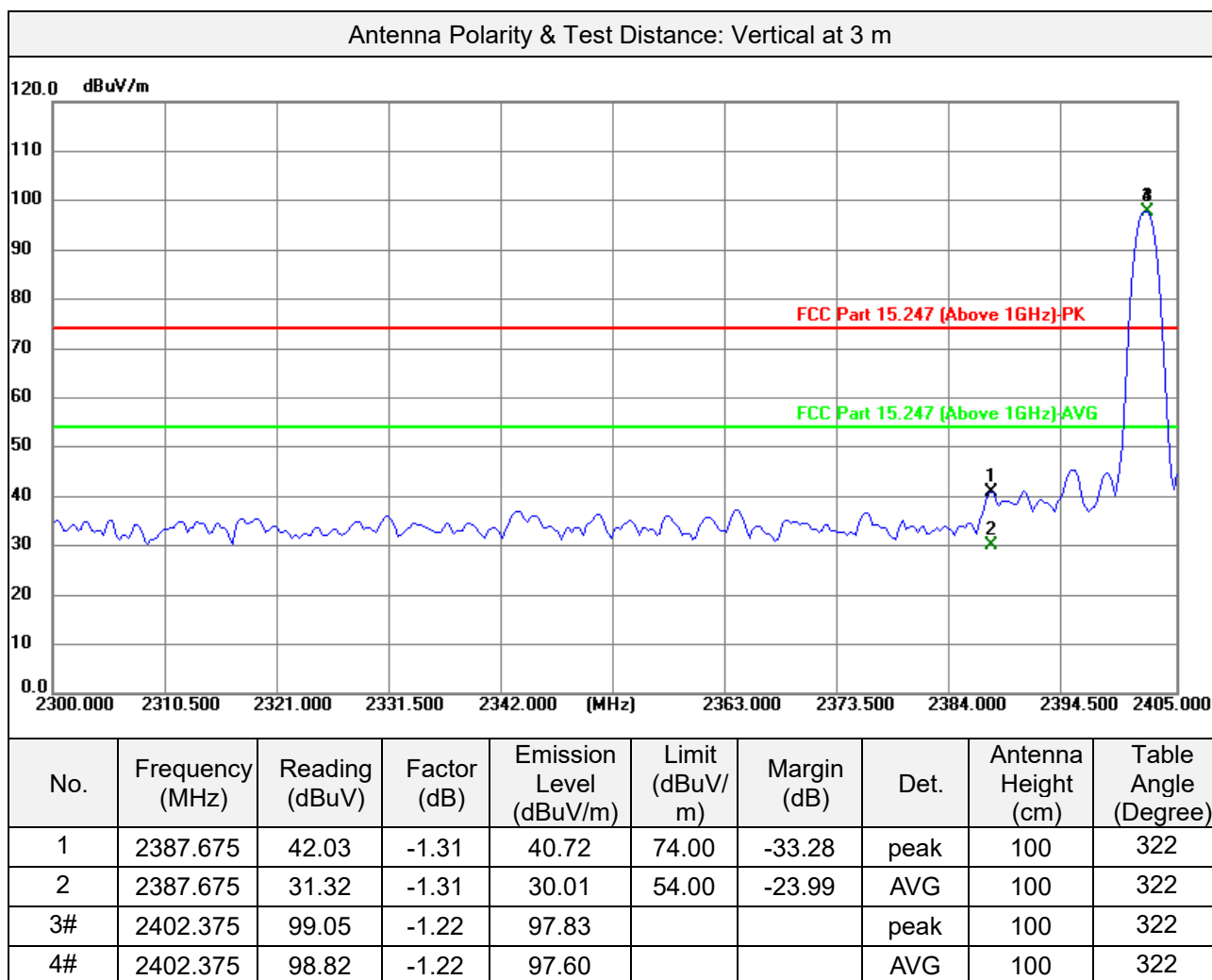
1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

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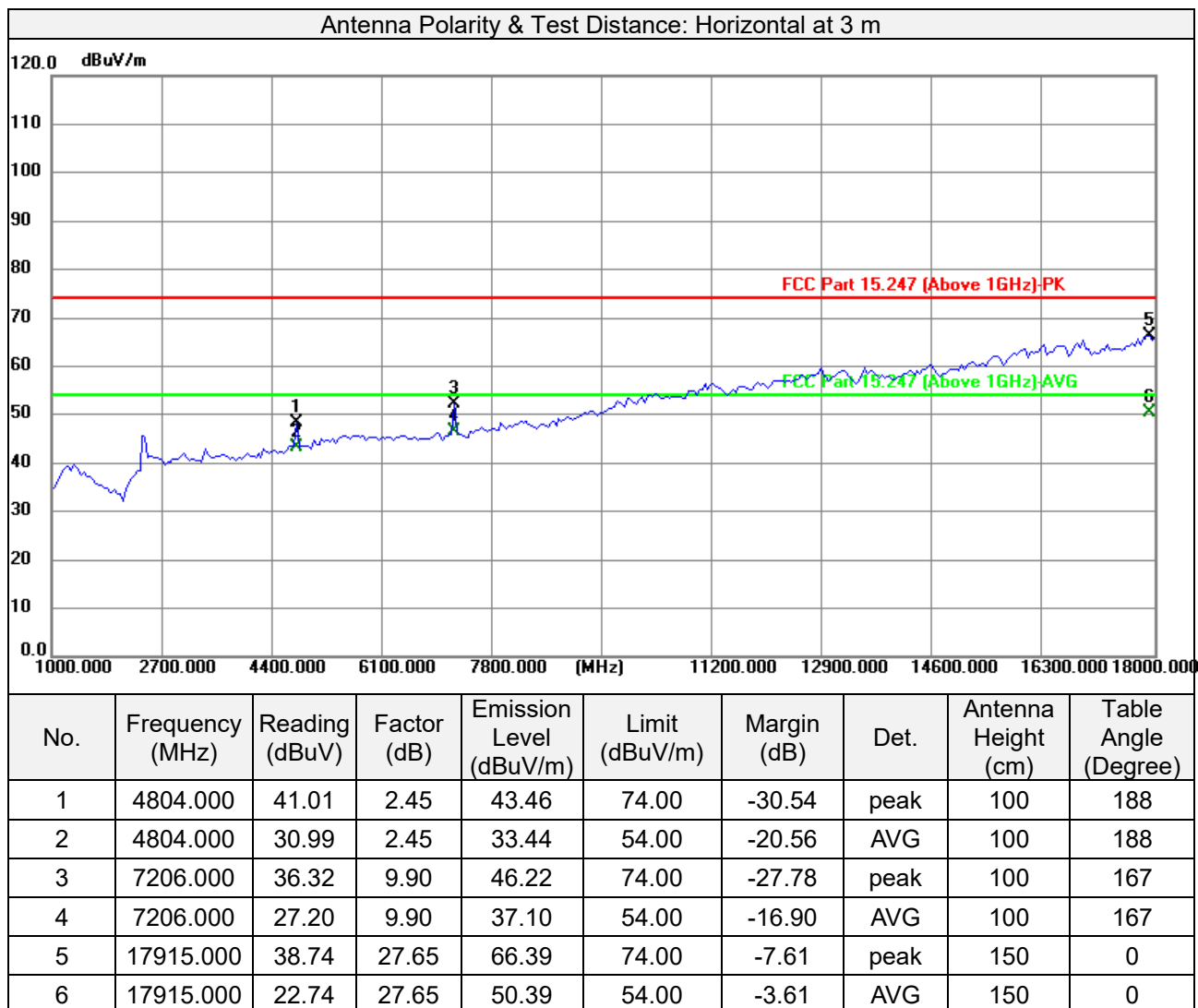
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 0



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

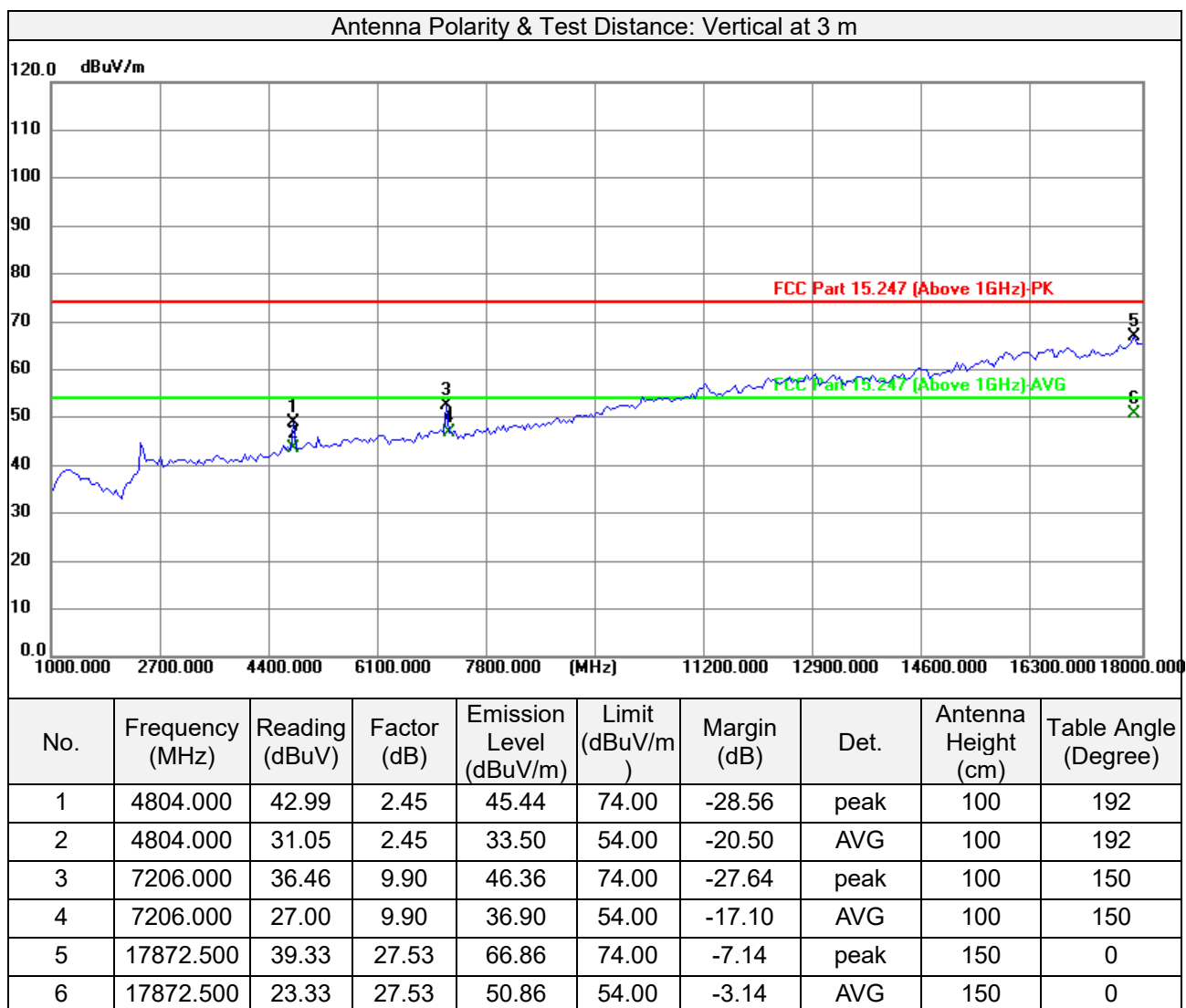
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 0



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

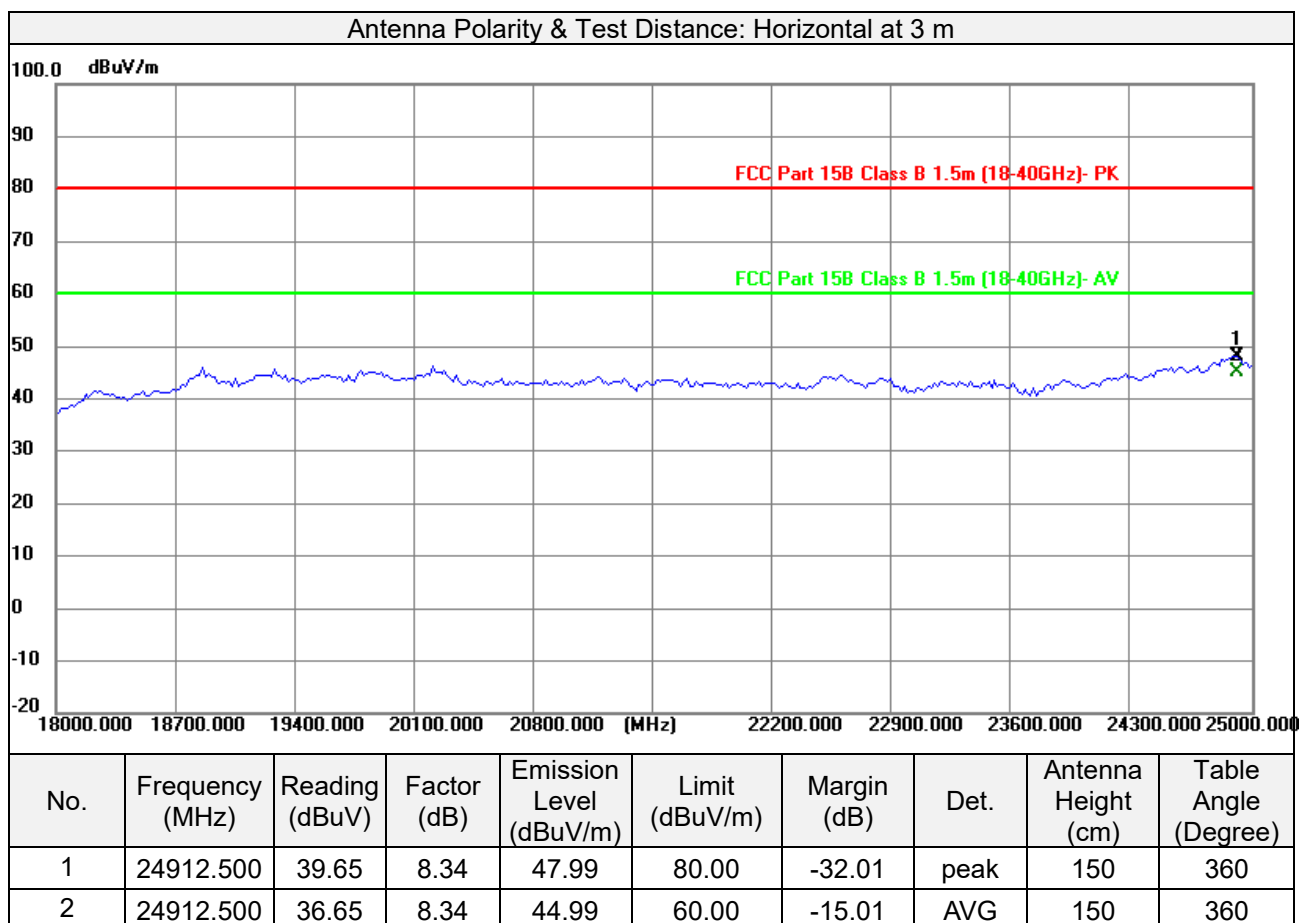
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 0



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

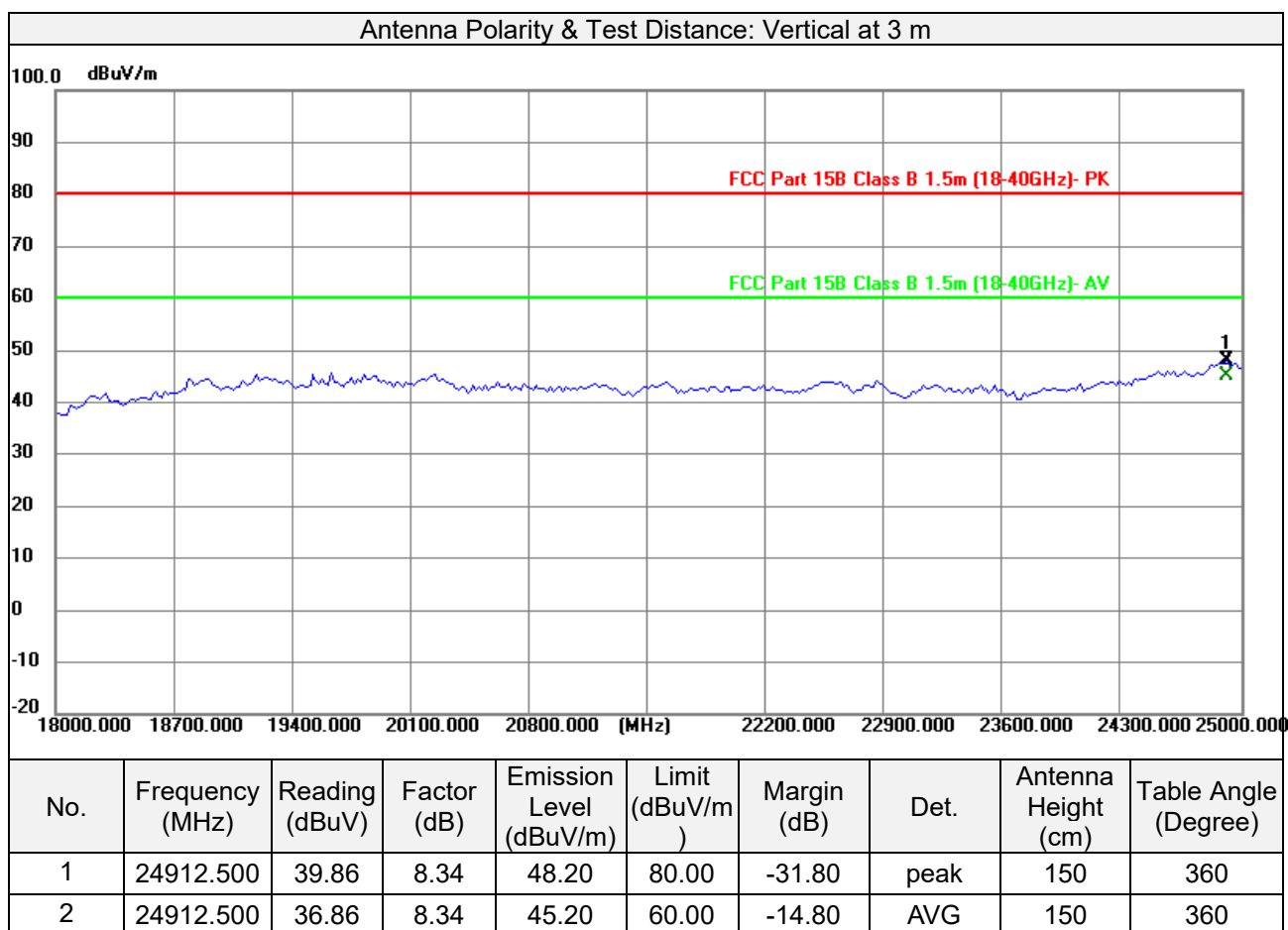
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 0



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

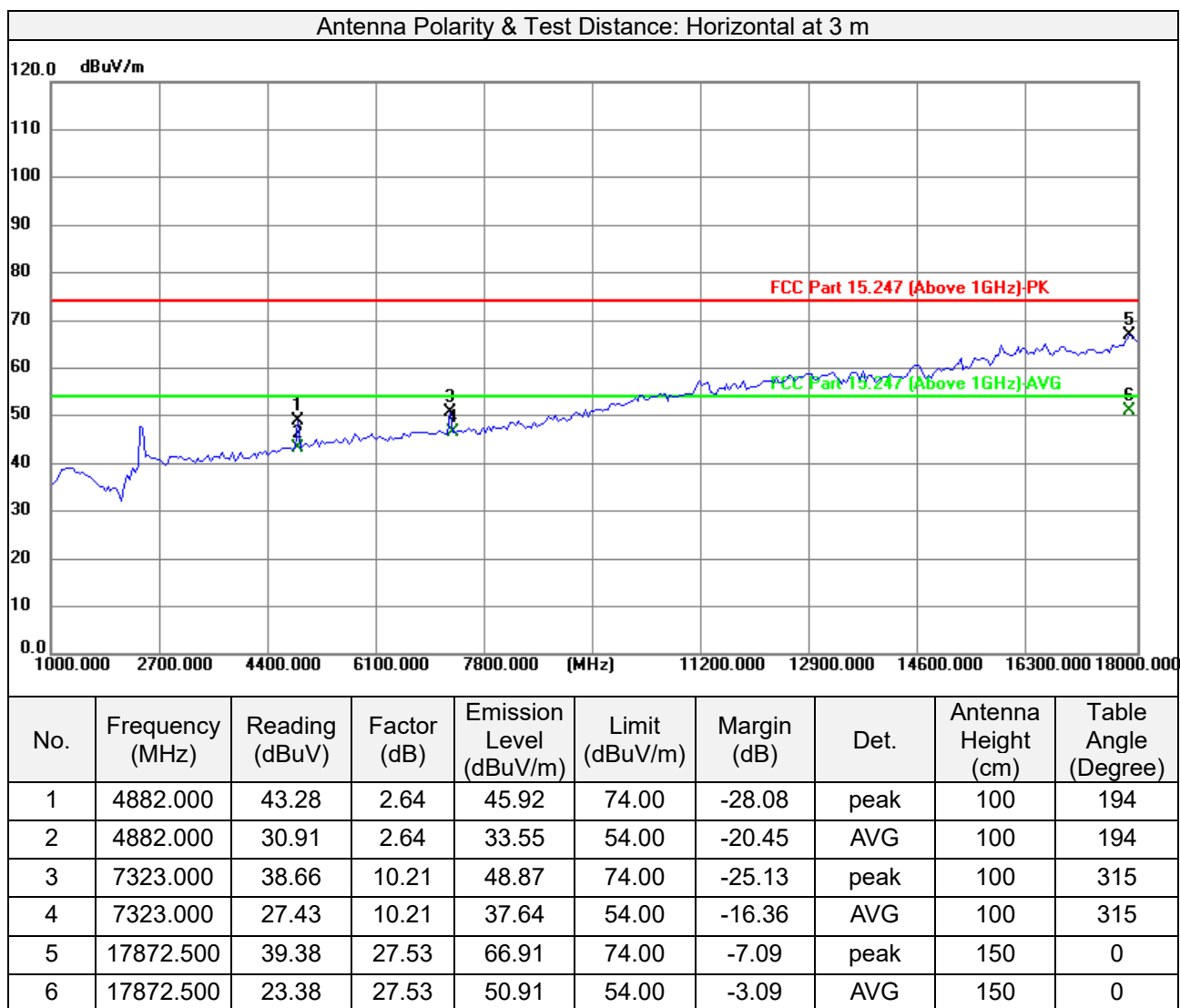
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 0



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

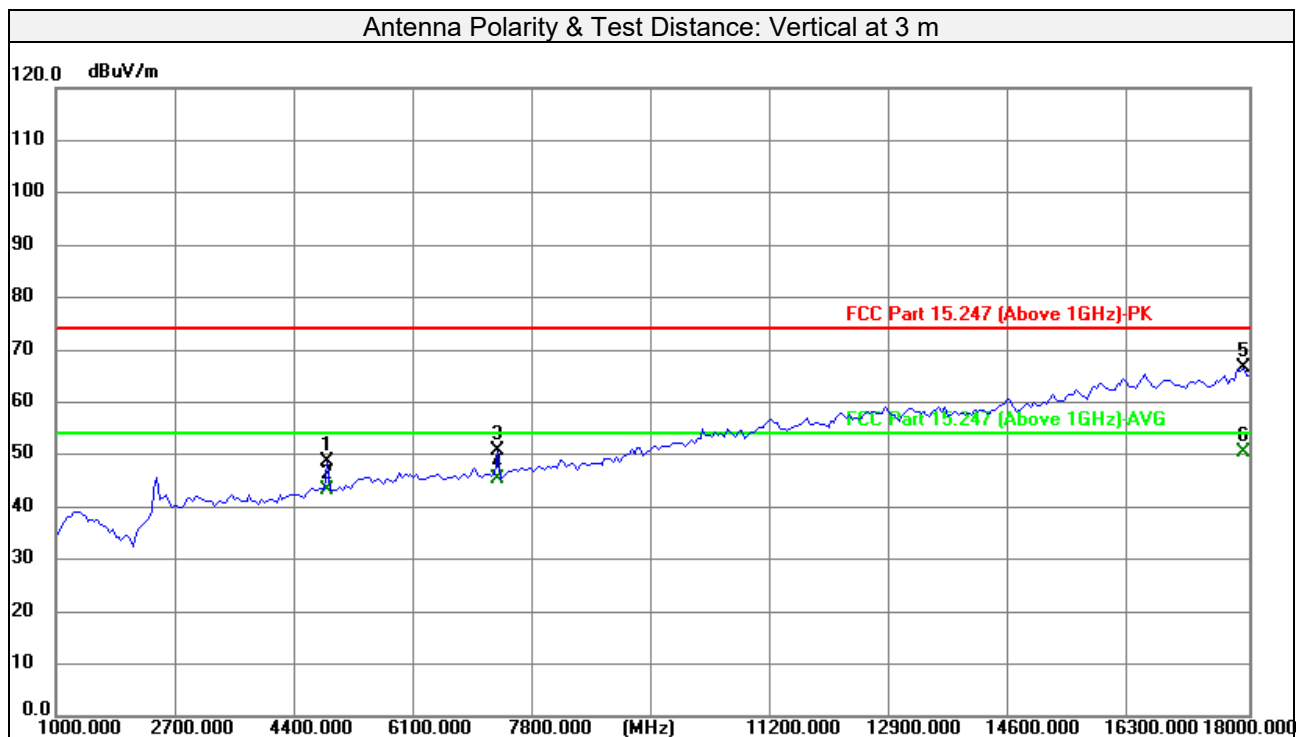
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 39



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 39

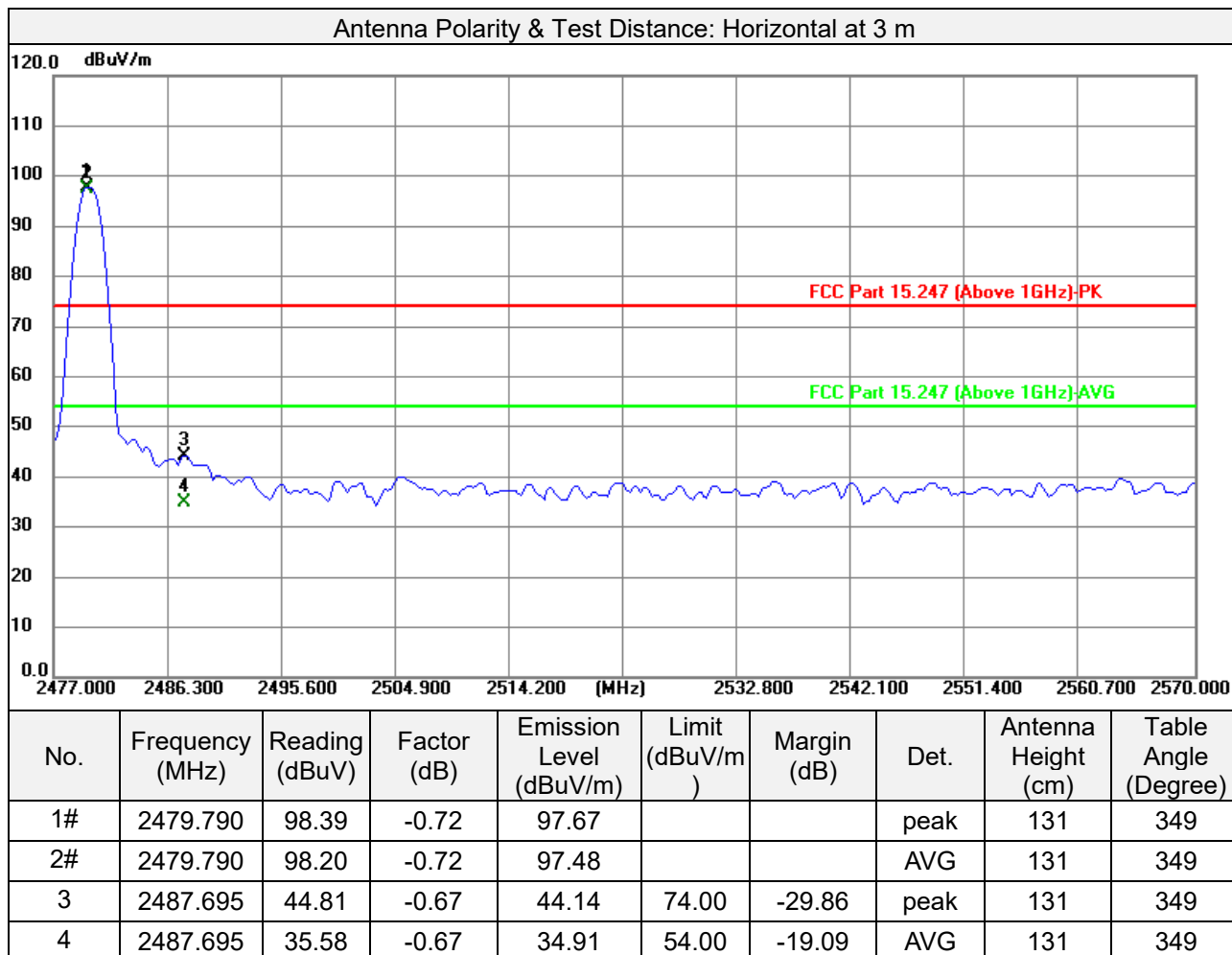


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Antenna Height (cm)	Table Angle (Degree)
1	4882.000	42.68	2.64	45.32	74.00	-28.68	peak	100	117
2	4882.000	30.92	2.64	33.56	54.00	-20.44	AVG	100	117
3	7323.000	38.97	10.21	49.18	74.00	-24.82	peak	100	315
4	7323.000	27.44	10.21	37.65	54.00	-16.35	AVG	100	315
5	17915.000	38.91	27.65	66.56	74.00	-7.44	peak	150	0
6	17915.000	22.91	27.65	50.56	54.00	-3.44	AVG	150	0

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

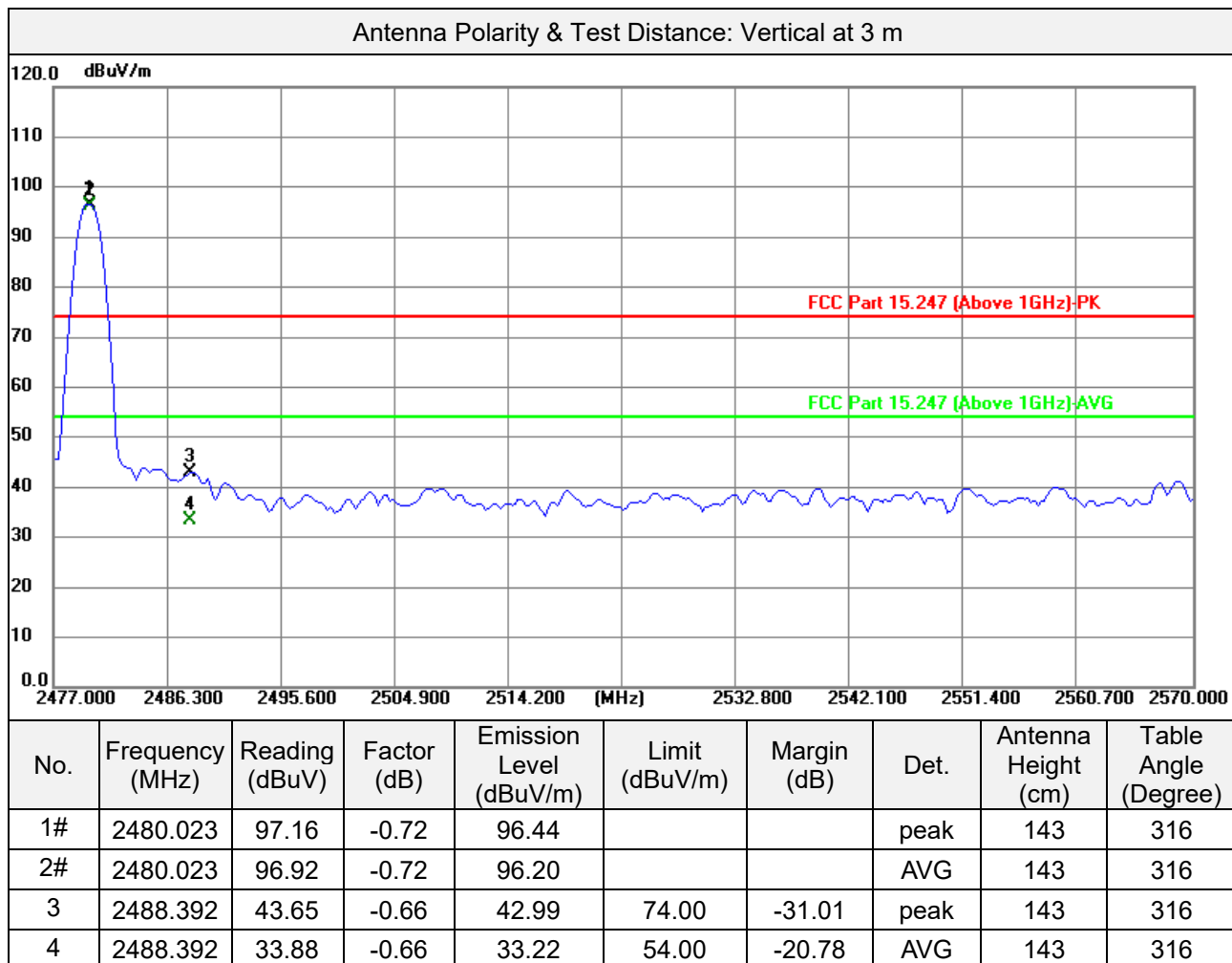
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 78



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

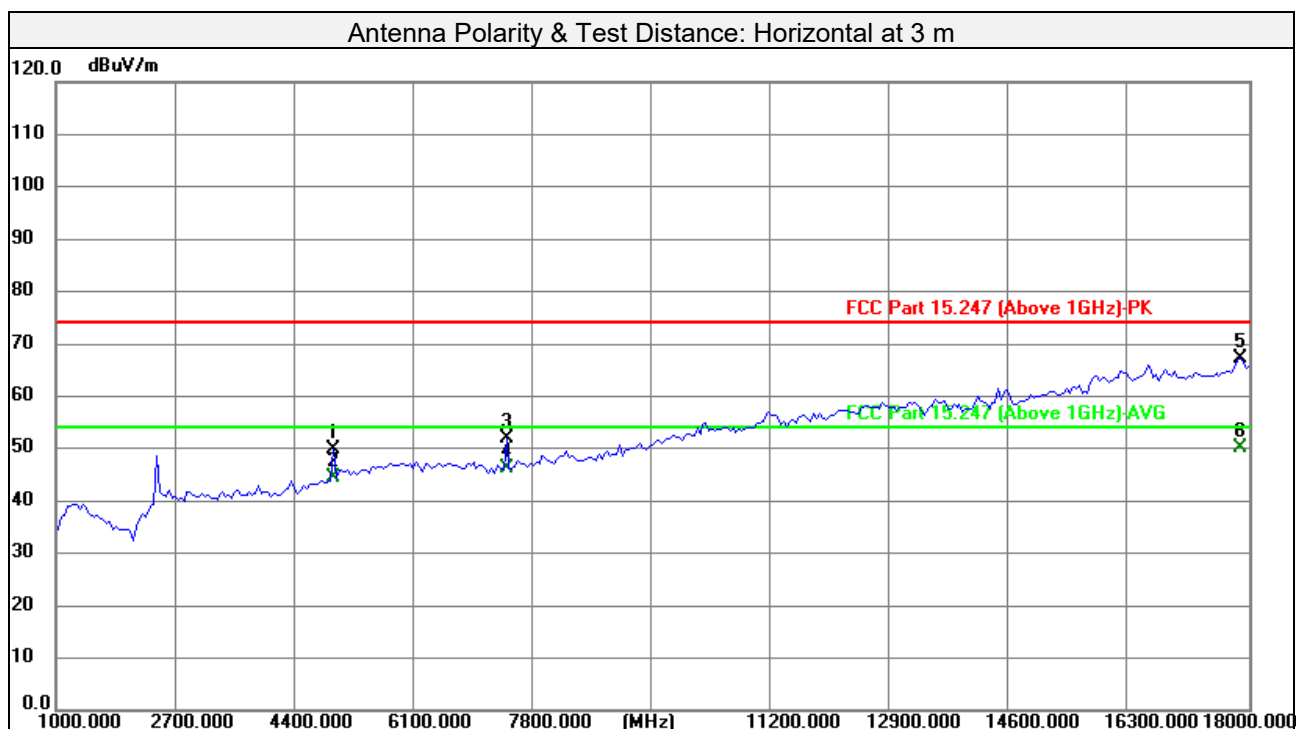
Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 78



Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 78

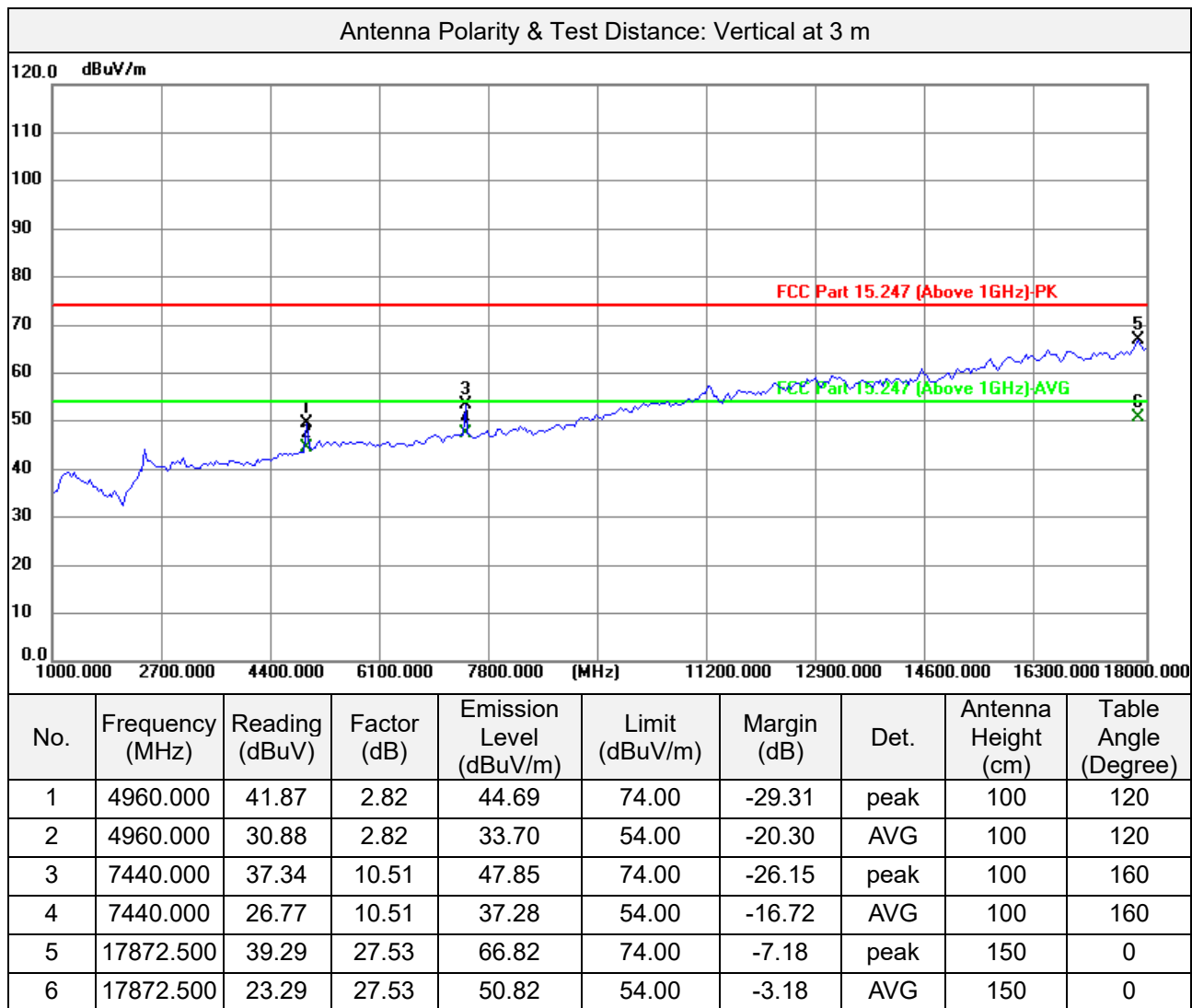


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Antenna Height (cm)	Table Angle (Degree)
1	4960.000	41.86	2.82	44.68	74.00	-29.32	peak	100	165
2	4960.000	31.01	2.82	33.83	54.00	-20.17	AVG	100	165
3	7440.000	36.61	10.51	47.12	74.00	-26.88	peak	100	159
4	7440.000	26.63	10.51	37.14	54.00	-16.86	AVG	100	159
5	17872.500	39.63	27.53	67.16	74.00	-6.84	peak	150	0
6	17872.500	22.63	27.53	50.16	54.00	-3.84	AVG	150	0

Remarks:

1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

Frequency Range	1GHz ~ 25GHz	Detector Function	Peak (PK) Quasi-peak (QP)
Test Mode	GFSK	Test Channel	Channel 78



Remarks:

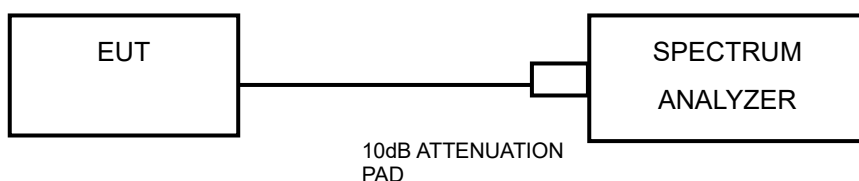
1. Emission Level = Read Level + Factor (Antenna Factor + Cable Loss - Preamp Factor)
2. Margin value = Emission level – Limit value
3. #: Fundamental frequency
4. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report
5. The harmonic values recorded in the table are from the test results of the low SPAN spectrum.

4.3 NUMBER OF HOPPING FREQUENCY USED

4.3.1 LIMIT OF HOPPING FREQUENCY USED

At least 15 channels frequencies, and should be equally spaced.

4.3.2 TEST SETUP



4.3.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum	Keysight	N9020A	MY51240612	2027-07-12
Power Meter 10Hz~18GHz	Tonscend	JS0806-2	188060126	2027-07-12
Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101783	2027-07-12
Signal generator	Agilent	E4421B	GB40051020	2027-05-22
Universal Switch Control Unit	Rohde&Schwarz	CMW500	12010002k50	2027-07-12
Humidity tester	Jingchuang	GSP-8A	CMA22B000592	2027-07-16
Test Software	Tonscend	JS0806-2	NA	NA
RF cable	NA	NA	HS-EMC-107	2027-07-12
RF cable	NA	NA	HS-EMC-108	2027-07-12

NOTES:

1. The test was performed in RF Test Shielded Room (Hwa-Hsing (Dongguan) Testing Co., Ltd).
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. The FCC Site registration No. is 915896, and the designation number is CN1255.
4. Test date: Aug. 06, 2026

4.3.4 TEST PROCEDURES

- a. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- c. Set the SA on MaxHold Mode, and then keep the EUT in hopping mode. Record all the signals from each channel until each one has been recorded.
- d. Set the SA on View mode and then plot the result on SA screen.
- e. Repeat above procedures until all frequencies measured were completed.

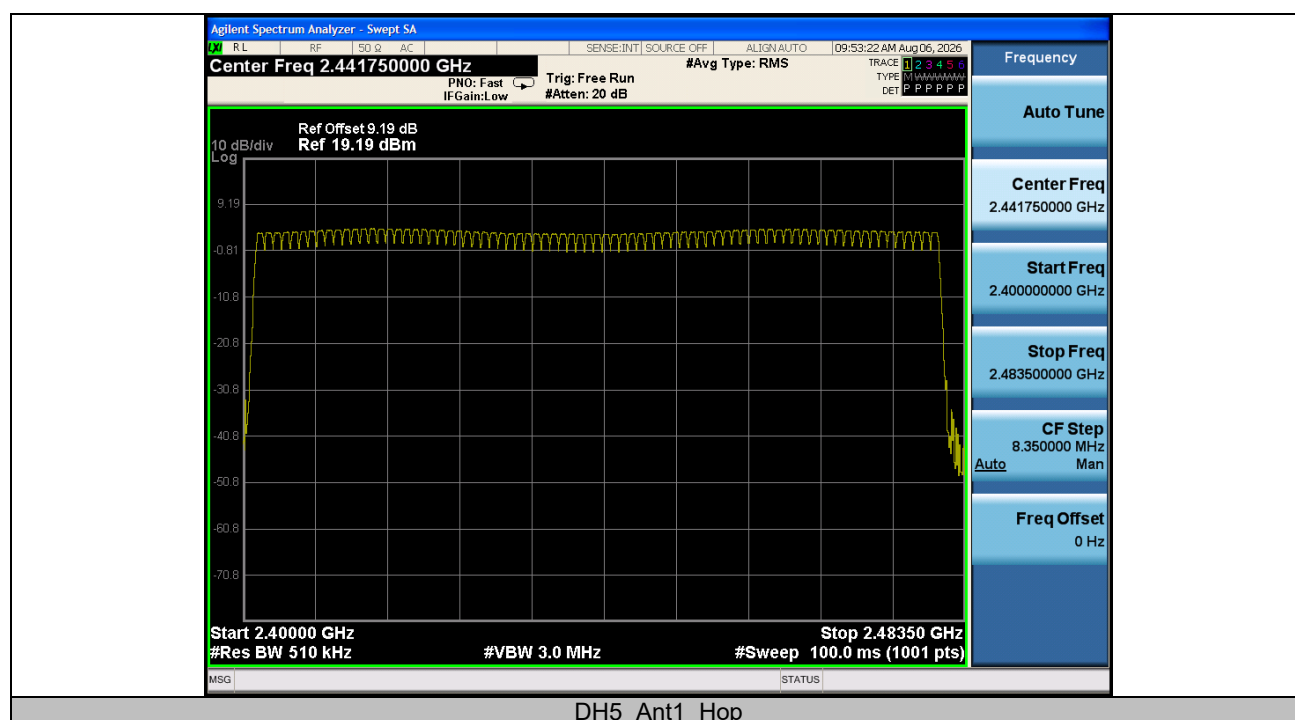
4.3.5 DEVIATION FROM TEST STANDARD

No deviation.

4.3.6 TEST RESULTS

There are 79 hopping frequencies in the hopping mode. Please refer to next two pages for the test result. On the plots, it shows that the hopping frequencies are equally spaced.

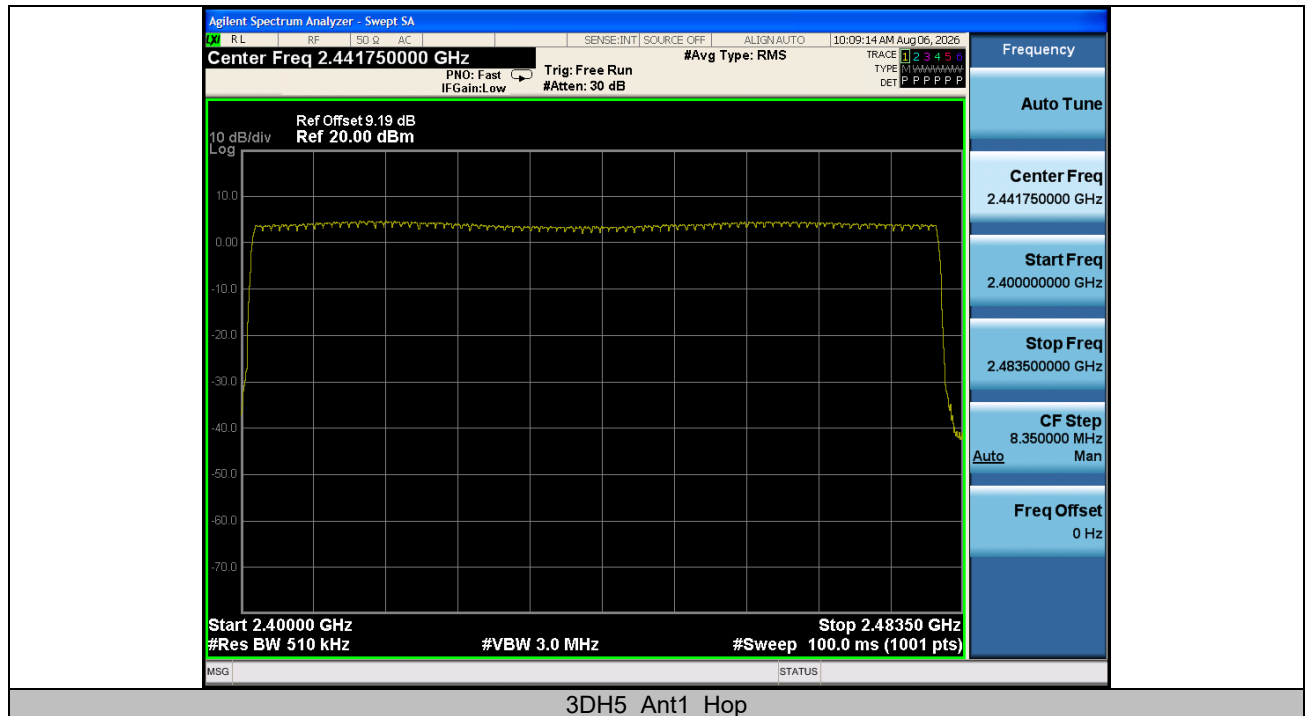
Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS





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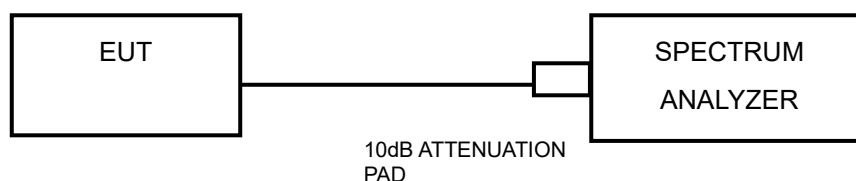
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4.4 DWELL TIME ON EACH CHANNEL

4.4.1 LIMIT OF DWELL TIME USED

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.4.4 TEST PROCEDURES

- a. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- c. Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
- d. Measure the time duration of one transmission on the measured frequency. And then plot the result with time difference of this time duration.
- e. Repeat above procedures until all different time-slot modes have been completed.

4.4.5 DEVIATION FROM TEST STANDARD

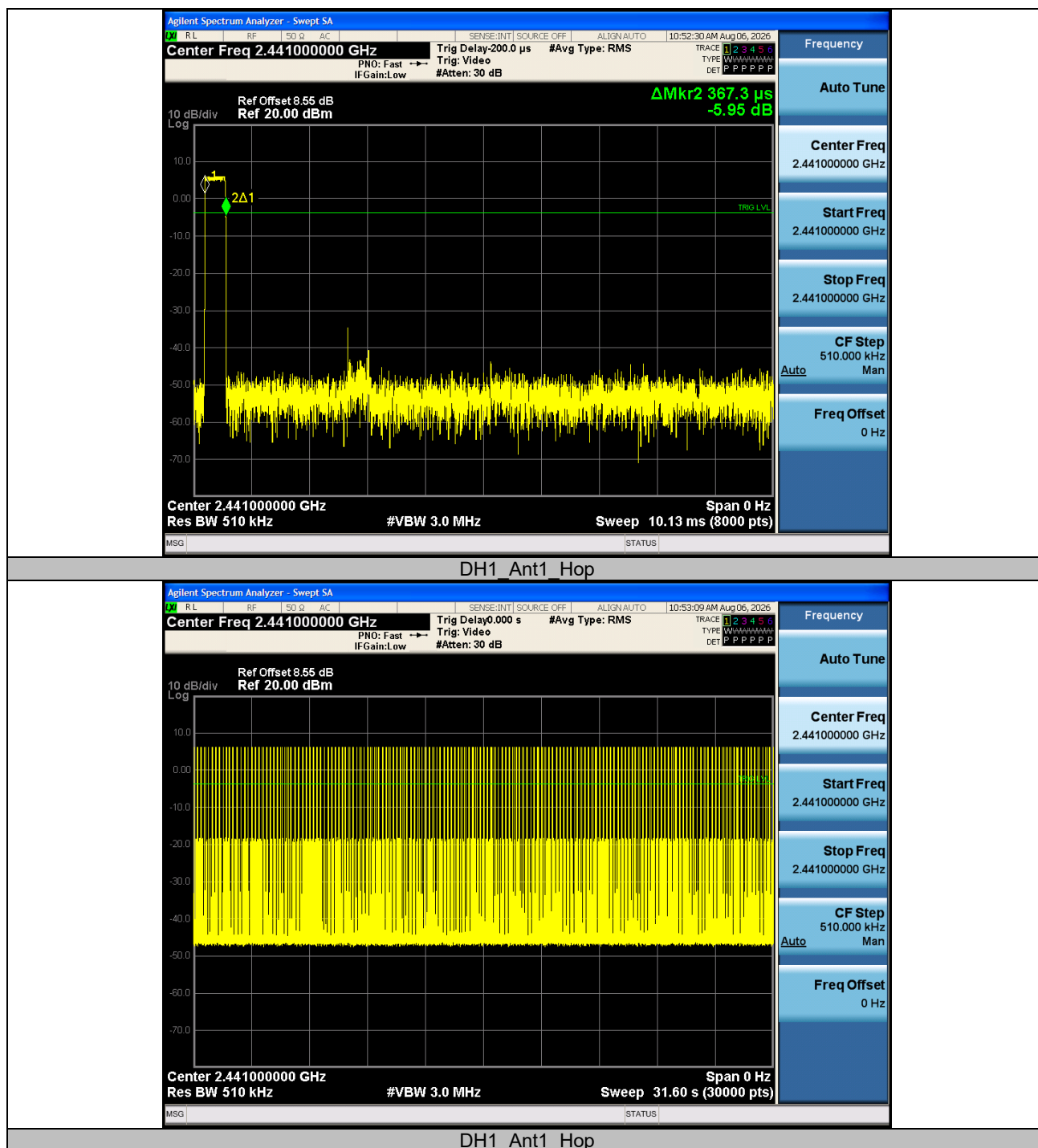
No deviation.



4.4.6 TEST RESULTS

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	318	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.64	161	0.264	≤0.4	PASS
DH5	Ant1	Hop	1.98	100	0.198	≤0.4	PASS
3DH1	Ant1	Hop	0.26	319	0.084	≤0.4	PASS
3DH3	Ant1	Hop	0.85	165	0.14	≤0.4	PASS
3DH5	Ant1	Hop	1.07	116	0.124	≤0.4	PASS

NOTE: Test plots of the transmitting time slot are shown on next page.

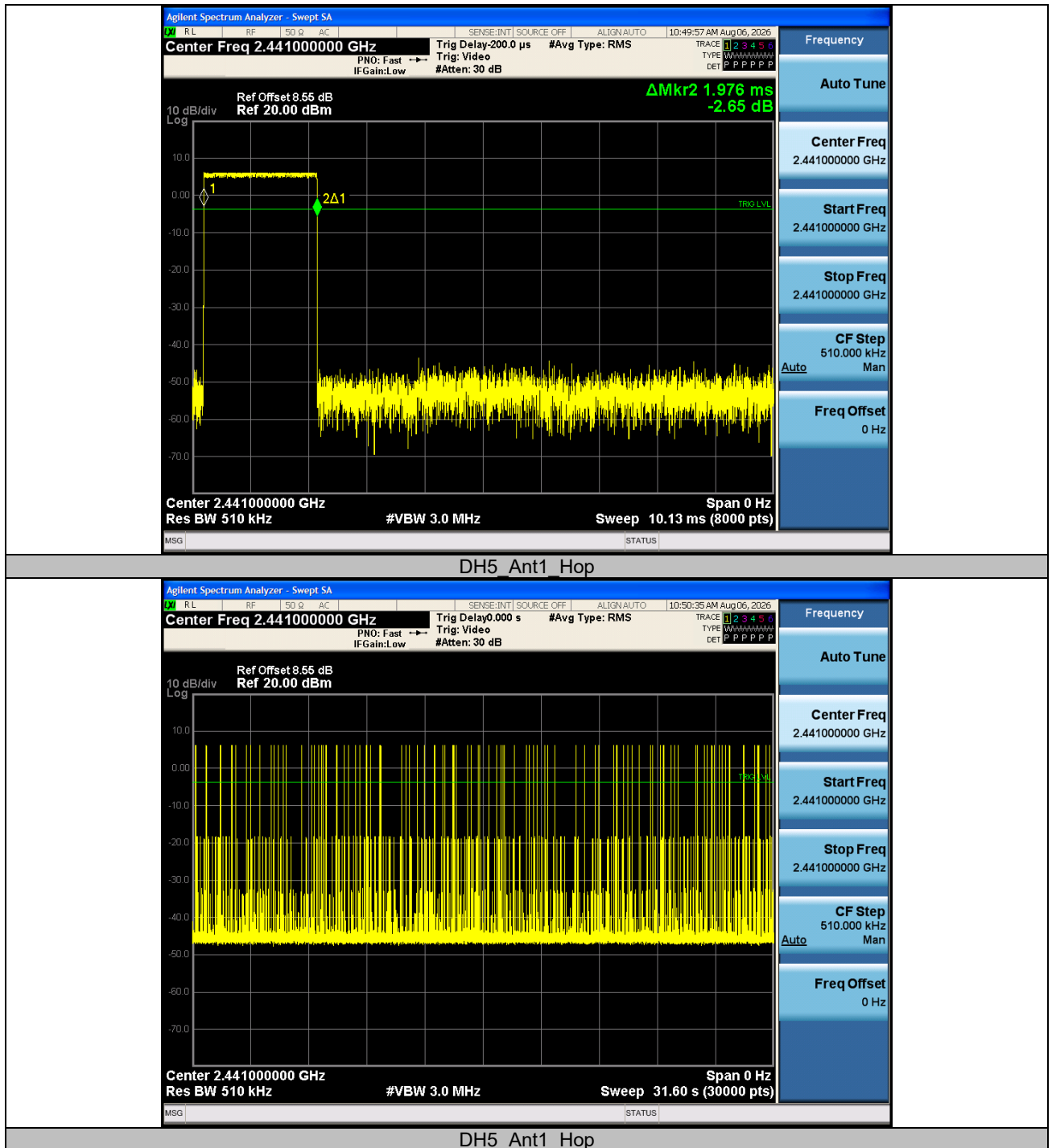






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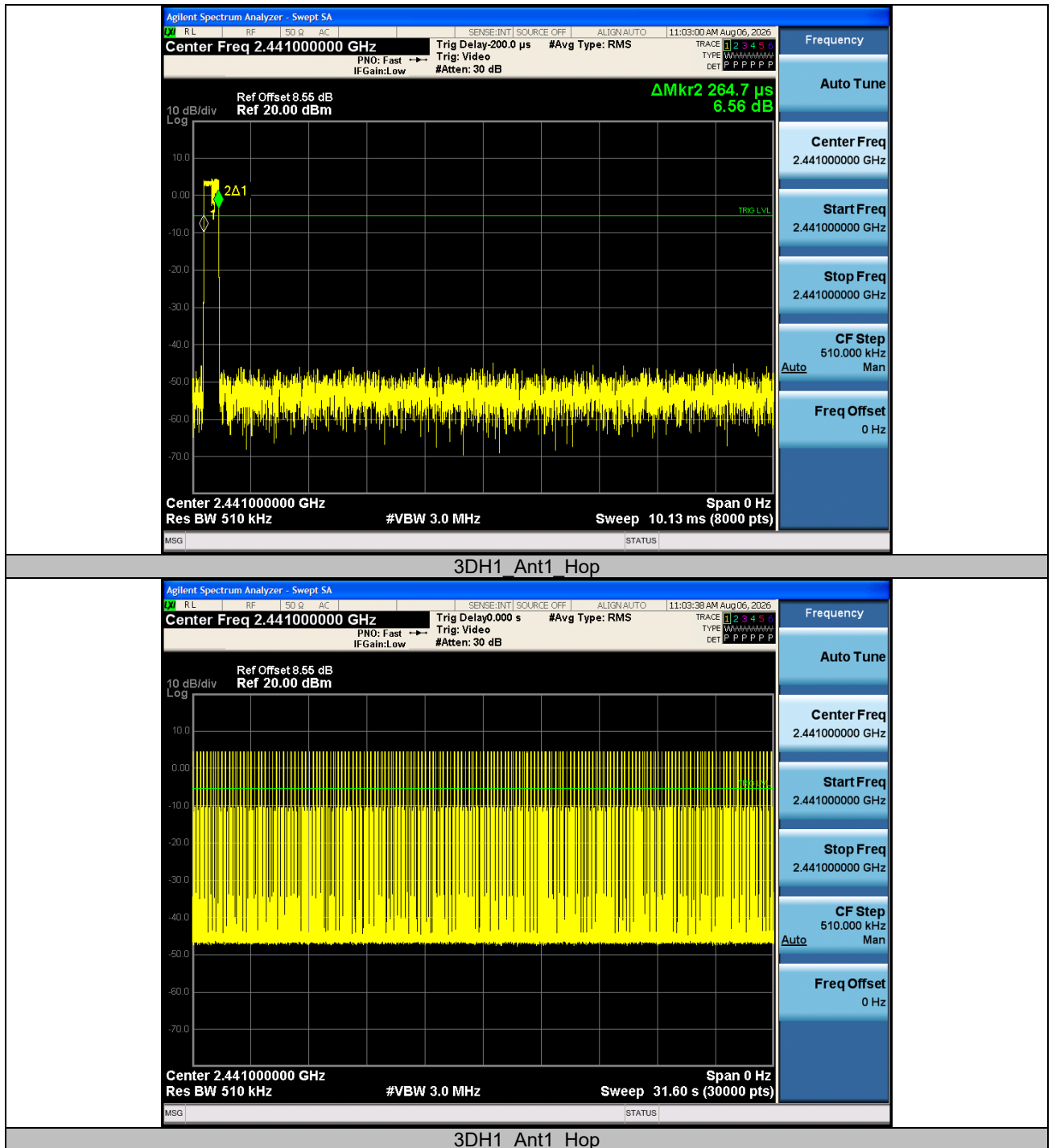
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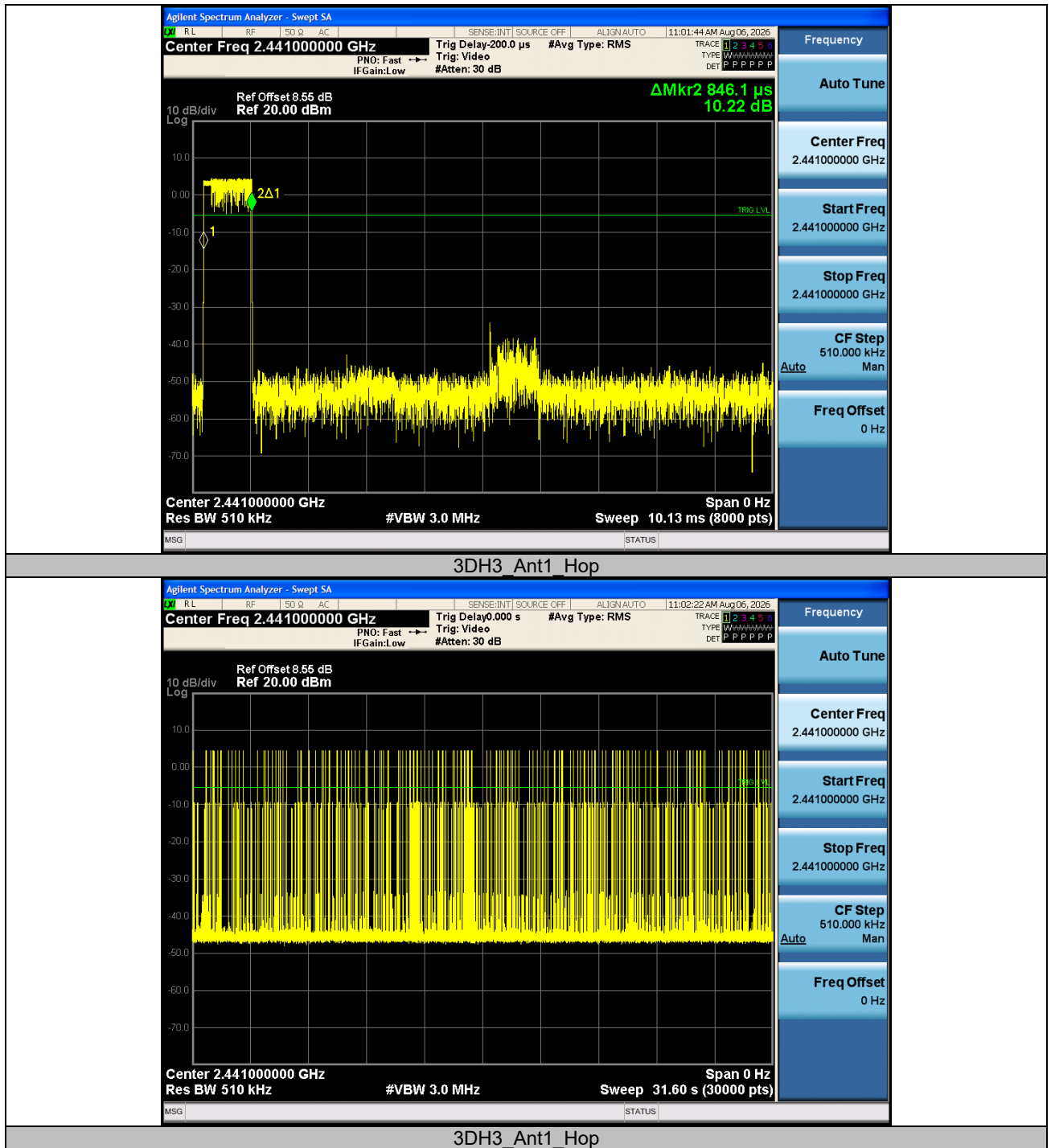
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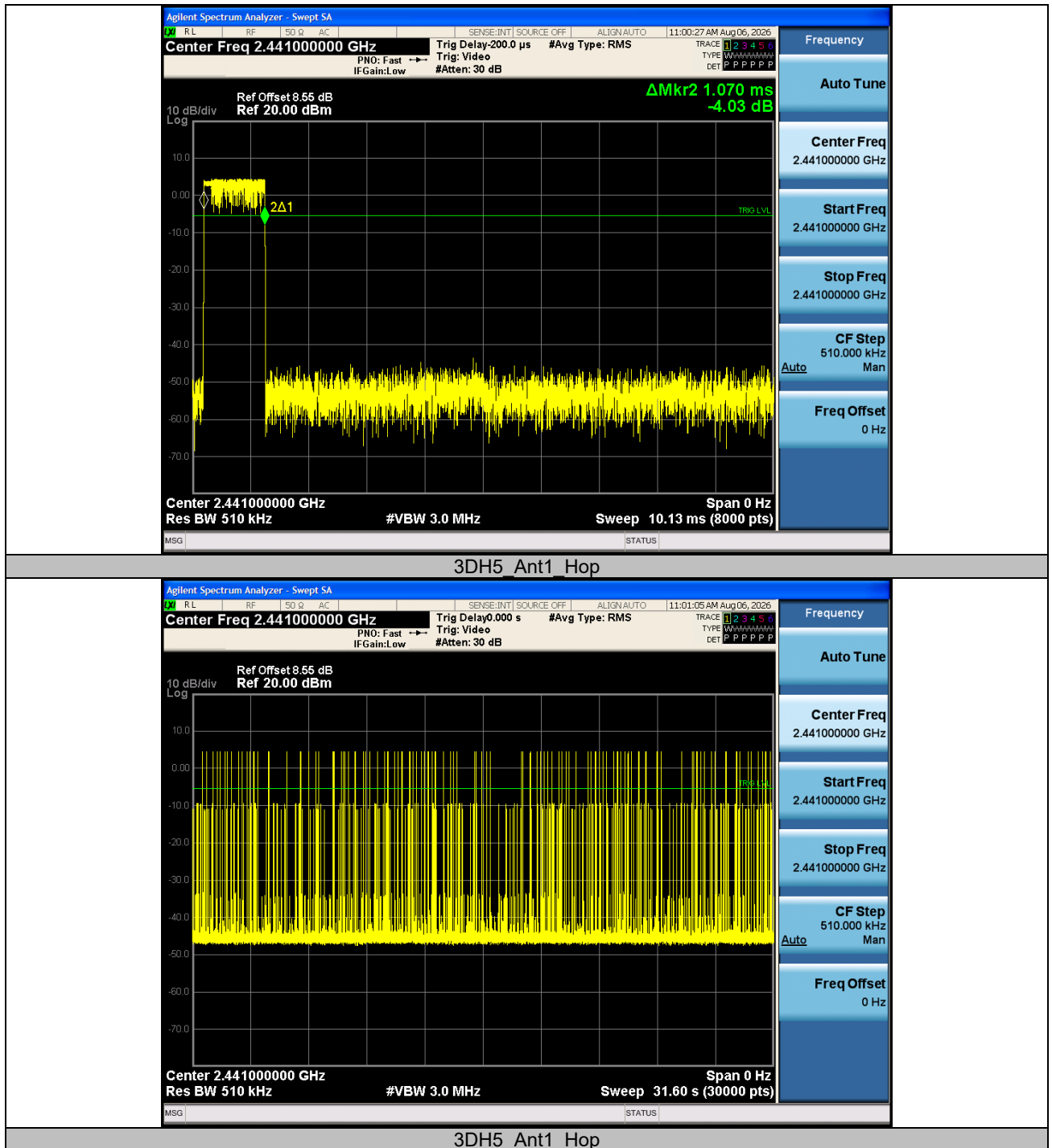
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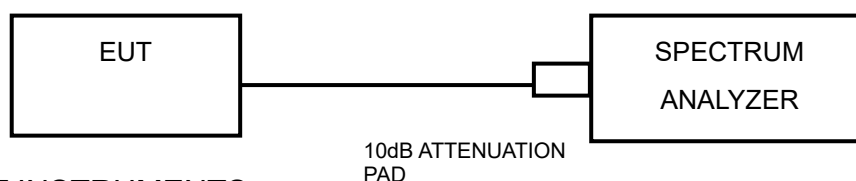
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4.5 CHANNEL BANDWIDTH

4.5.1 LIMITS OF CHANNEL BANDWIDTH

For frequency hopping system operating in the 2400-2483.5MHz, If the 20dB bandwidth of hopping channel is greater than 25kHz, two-thirds 20dB bandwidth of hopping channel shall be a minimum limit for the hopping channel separation.

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.5.4 TEST PROCEDURE

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- Repeat above procedures until all frequencies measured were complete.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

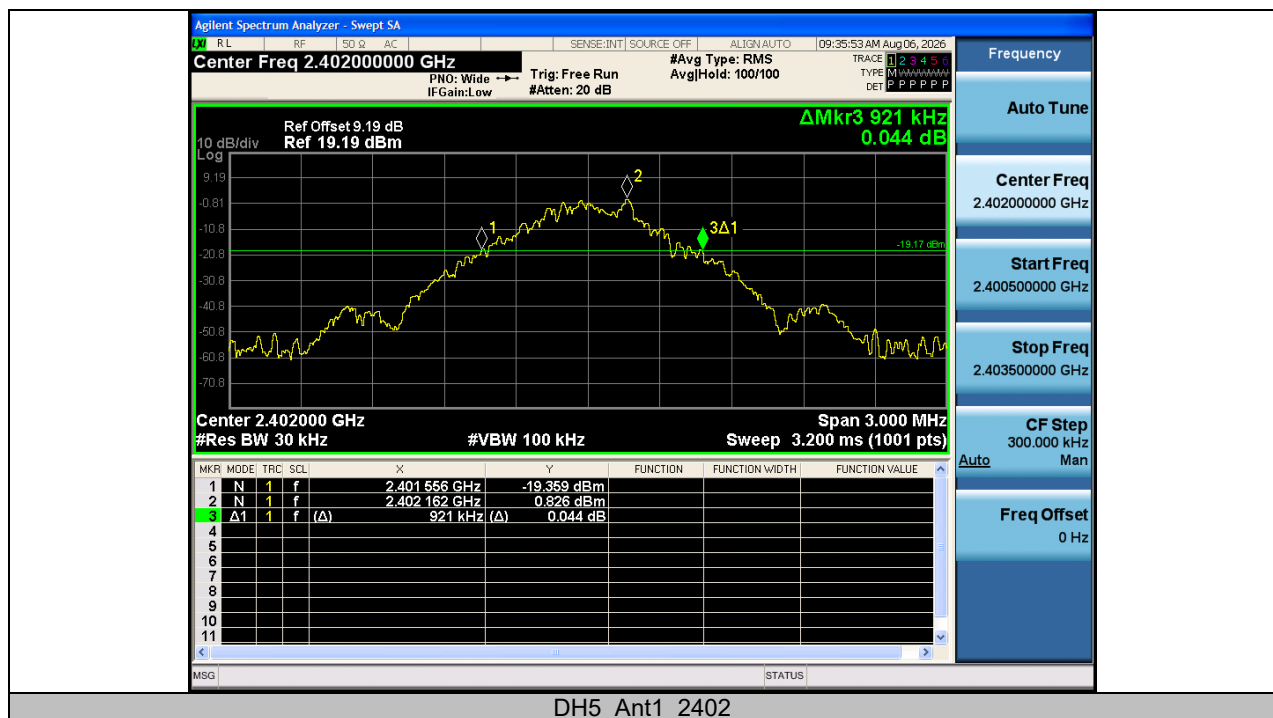


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4.5.7 TEST RESULTS

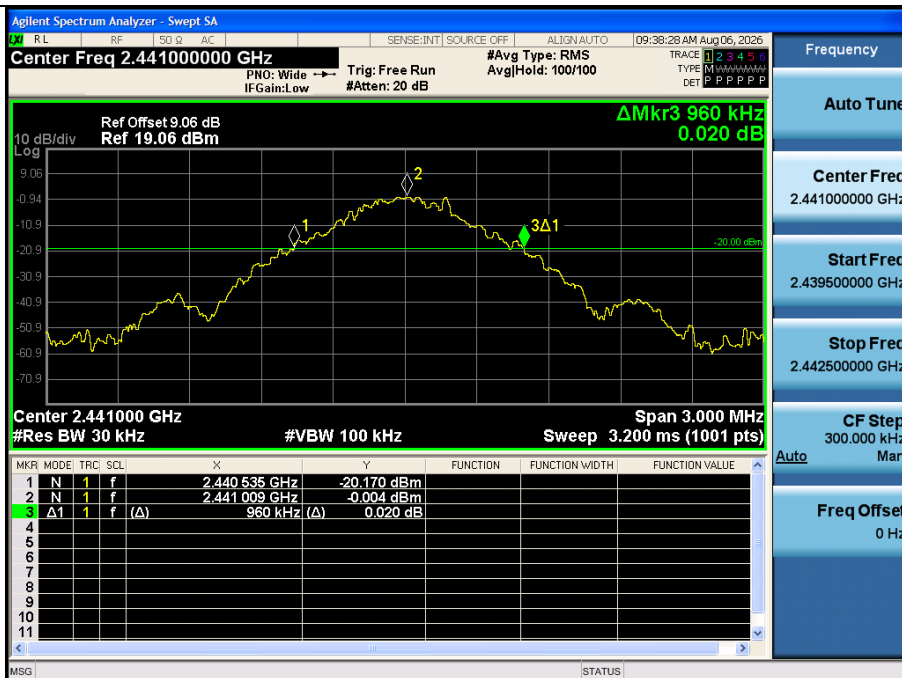
Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.921	2401.556	2402.477
		2441	0.960	2440.535	2441.495
		2480	0.969	2479.523	2480.492
3DH5	Ant1	2402	1.314	2401.346	2402.660
		2441	1.338	2440.337	2441.675
		2480	1.338	2479.322	2480.660





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DH5 Ant1 2441



DH5 Ant1 2480

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3DH5 Ant1 2402



3DH5 Ant1 2441

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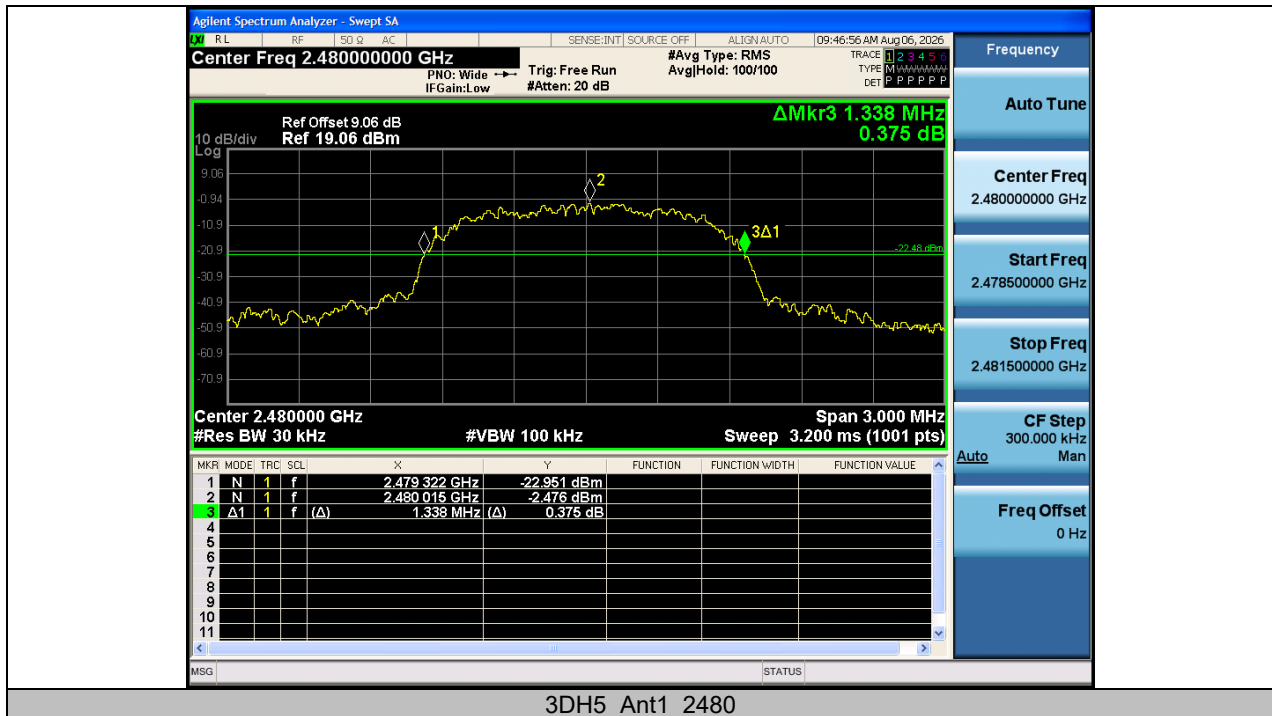
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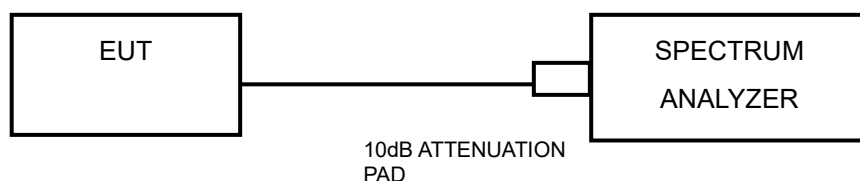
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4.6 HOPPING CHANNEL SEPARATION

4.6.1 LIMIT OF HOPPING CHANNEL SEPARATION

At least 25kHz or two-third of 20dB hopping channel bandwidth (whichever is greater).

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.6.4 TEST PROCEDURES

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range.
3. By using the MaxHold function record the separation of two adjacent channels.
4. Measure the frequency difference of these two adjacent channels by SA MARK function. And then plot the result on SA screen.
5. Repeat above procedures until all frequencies measured were complete.

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

4.6.6 TEST RESULTS

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.988	≥0.646	PASS
3DH5	Ant1	Hop	1.164	≥0.892	PASS

NOTE: The minimum limit is two-third 20dB bandwidth.

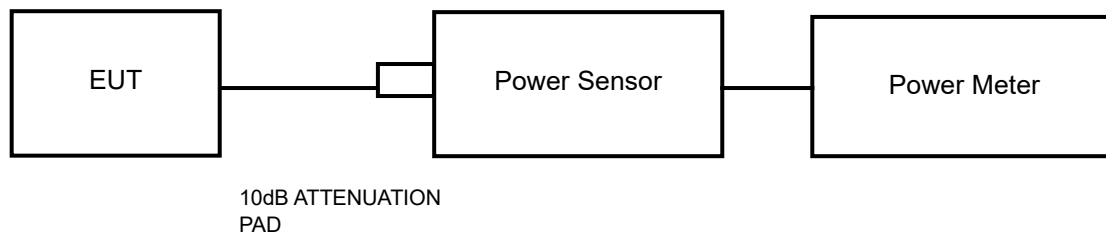


4.7 CONDUCTED OUTPUT POWER

4.7.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 0.125W(20.97 dBm).

4.7.2 TEST SETUP



4.7.3 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.7.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor and set the detector to PEAK. Record the power level.

An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor and set the detector to AVERAGE. Record the power level.

4.7.5 DEVIATION FROM TEST STANDARD

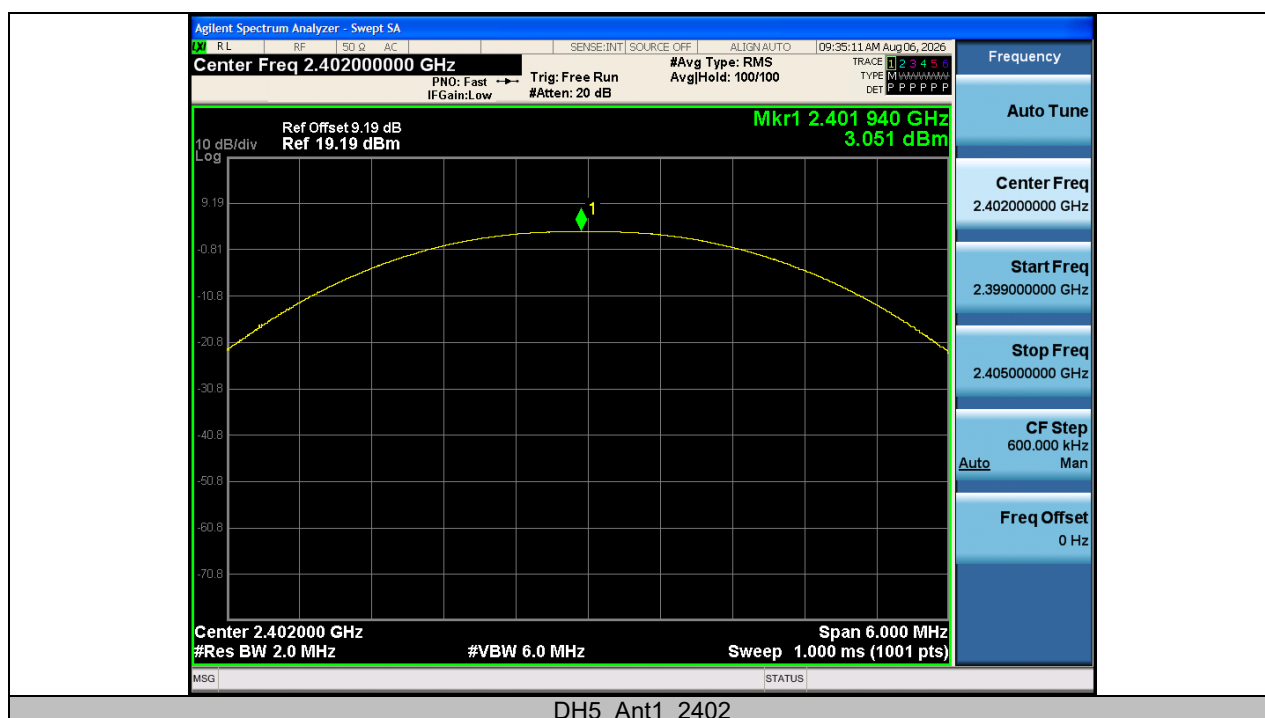
No deviation.

4.7.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.7.7 TEST RESULTS

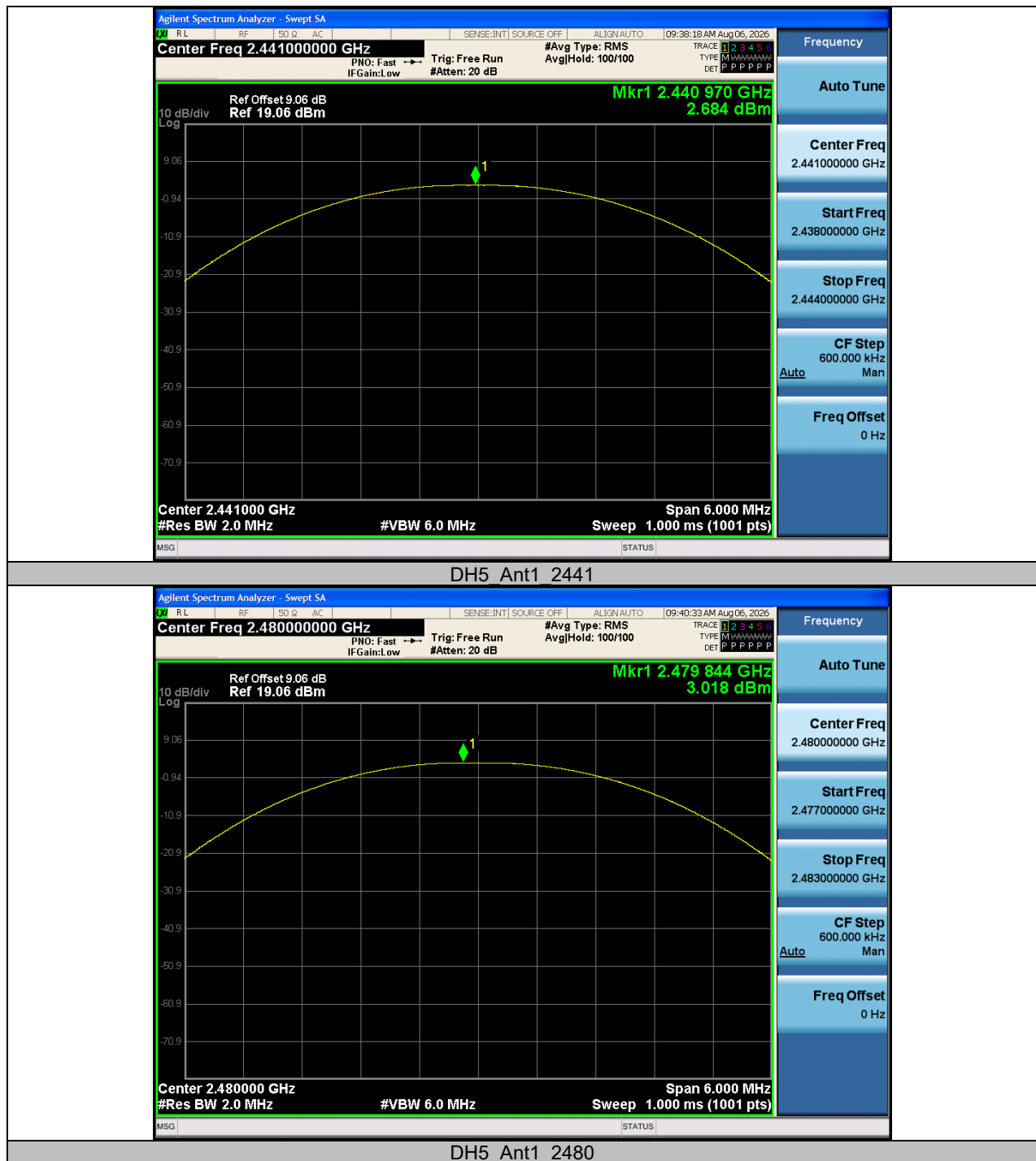
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.05	≤20.97	PASS
		2441	2.68	≤20.97	PASS
		2480	3.02	≤20.97	PASS
3DH5	Ant1	2402	6.32	≤20.97	PASS
		2441	5.87	≤20.97	PASS
		2480	6.3	≤20.97	PASS





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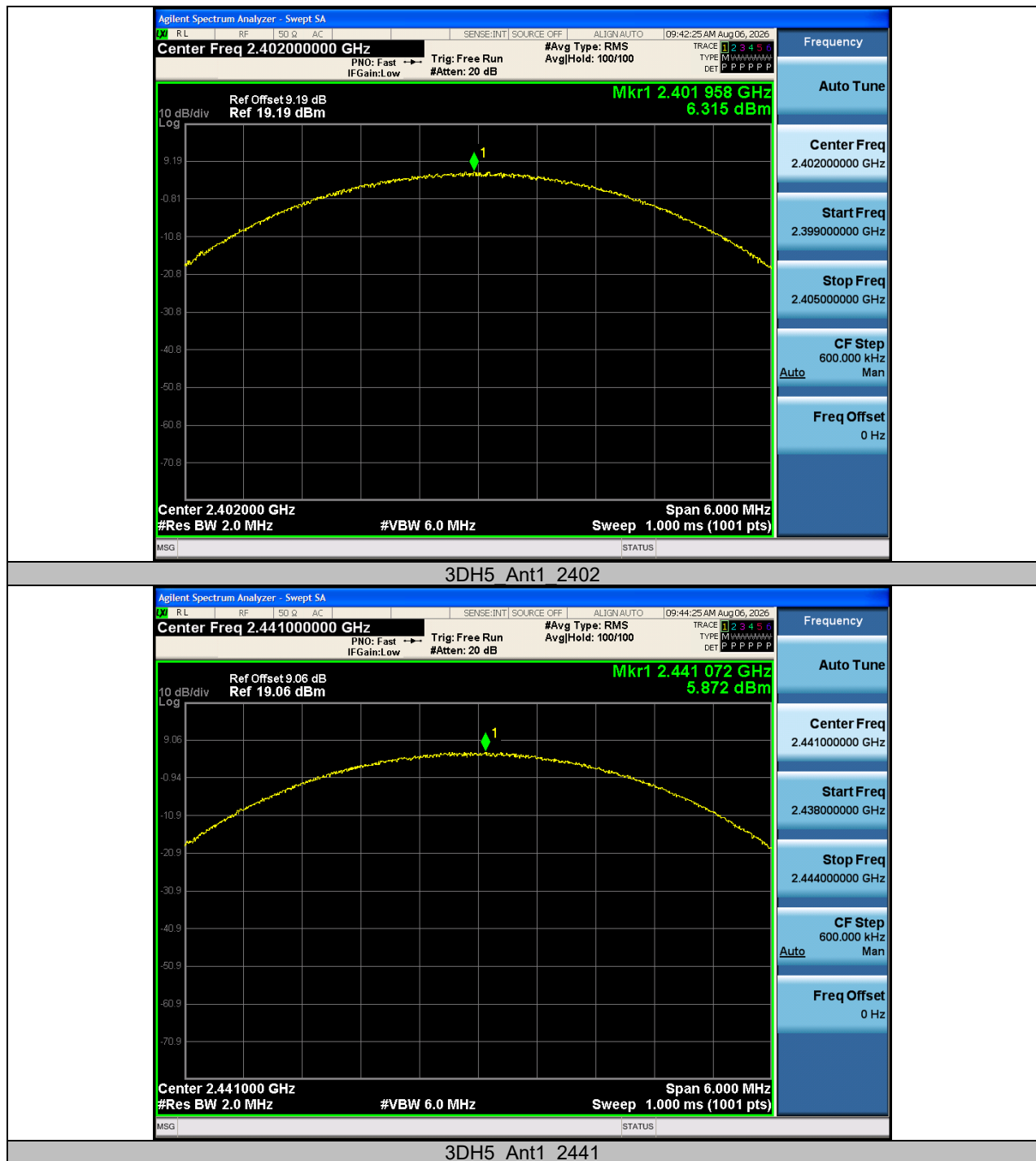
No. 96, Guantai Road (Houjie Section), Houjie
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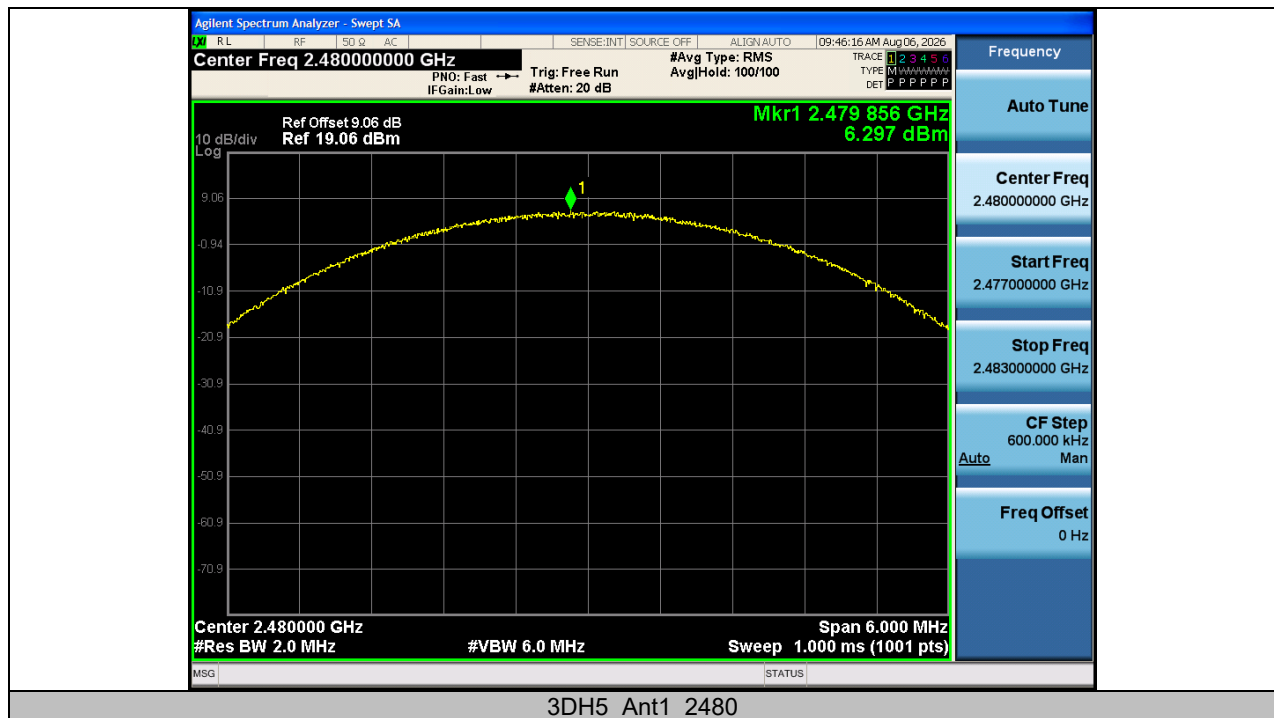
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4.8 OUT OF BAND EMISSION MEASUREMENT

4.8.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100KHz RBW).

4.8.2 TEST INSTRUMENTS

Refer to section 4.3.3 to get information of above instrument.

4.8.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. of Spectrum Analyzer was set RBW to 100 kHz and VBW to 300 kHz with suitable frequency span including 100 MHz bandwidth from band edge. Detector = PEAK and Trace mode = Max Hold. The band edges was measured and recorded.

4.8.4 DEVIATION FROM TEST STANDARD

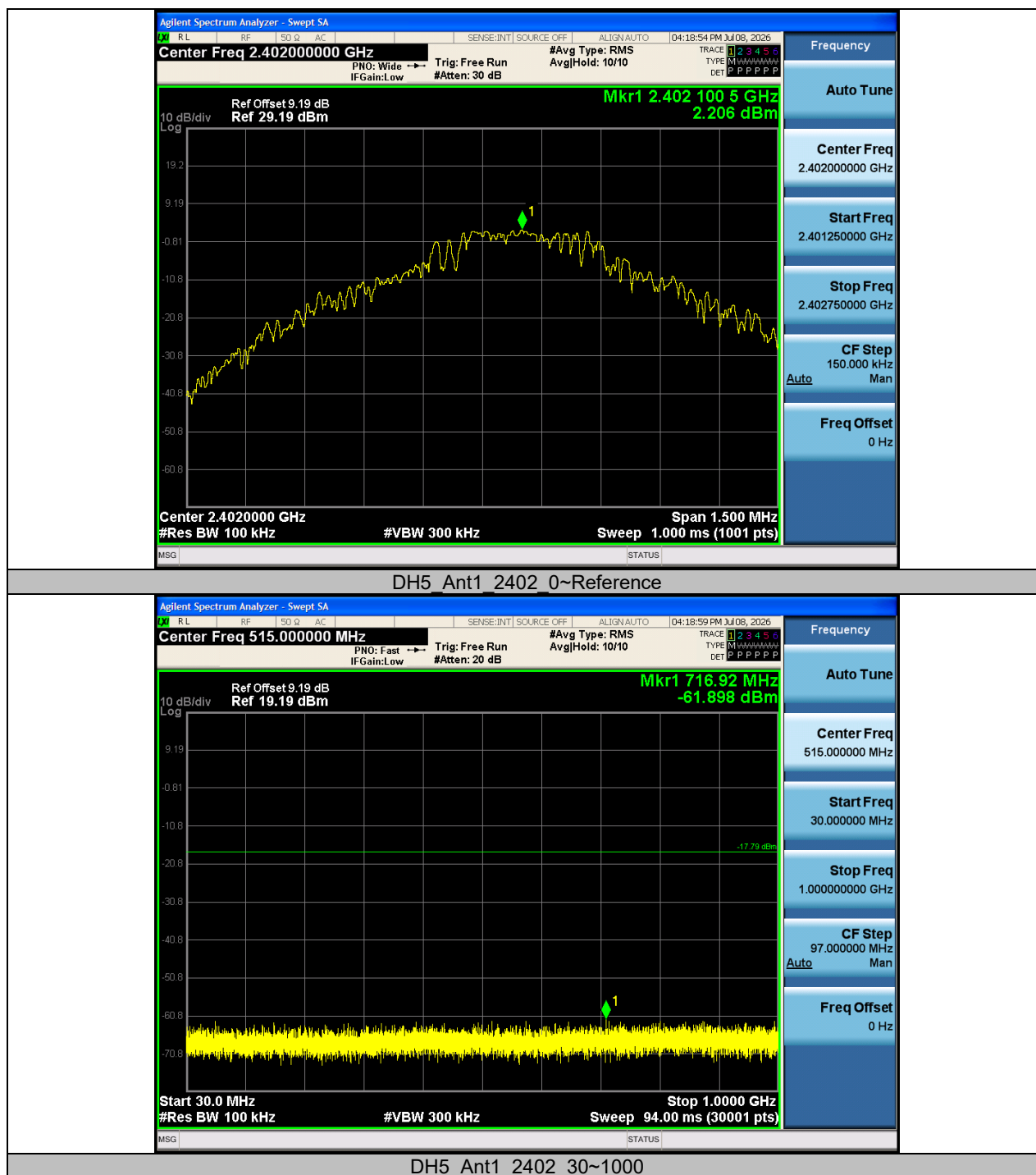
No deviation.

4.8.5 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.8.6 TEST RESULTS

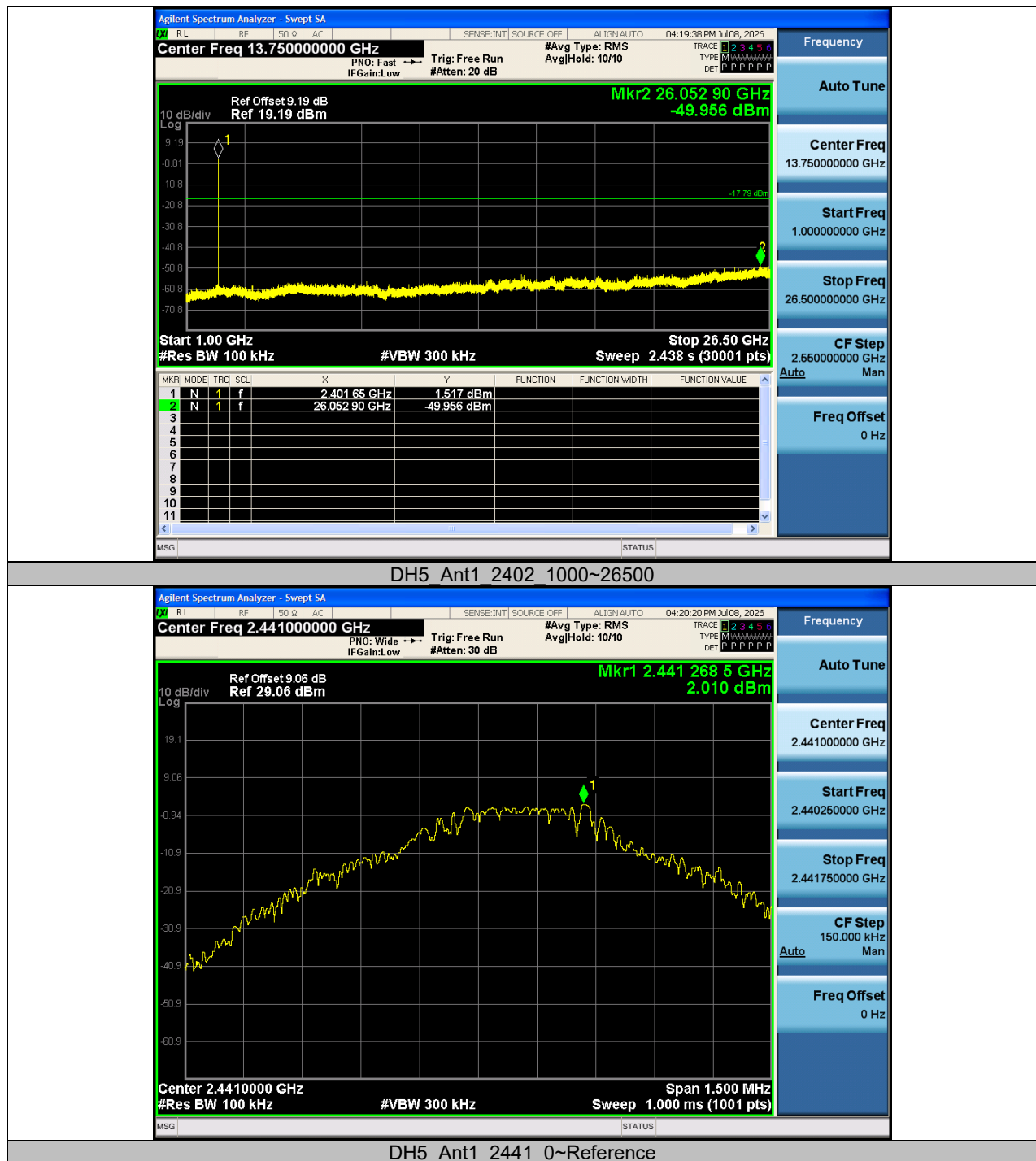
The spectrum plots are attached on the following images. Mkr1 of 0~Reference indicates the highest level, Mkr1 of 30~1000 and 1000~26500 indicates the 20dB offset below highest level. It shows compliance with the requirement.





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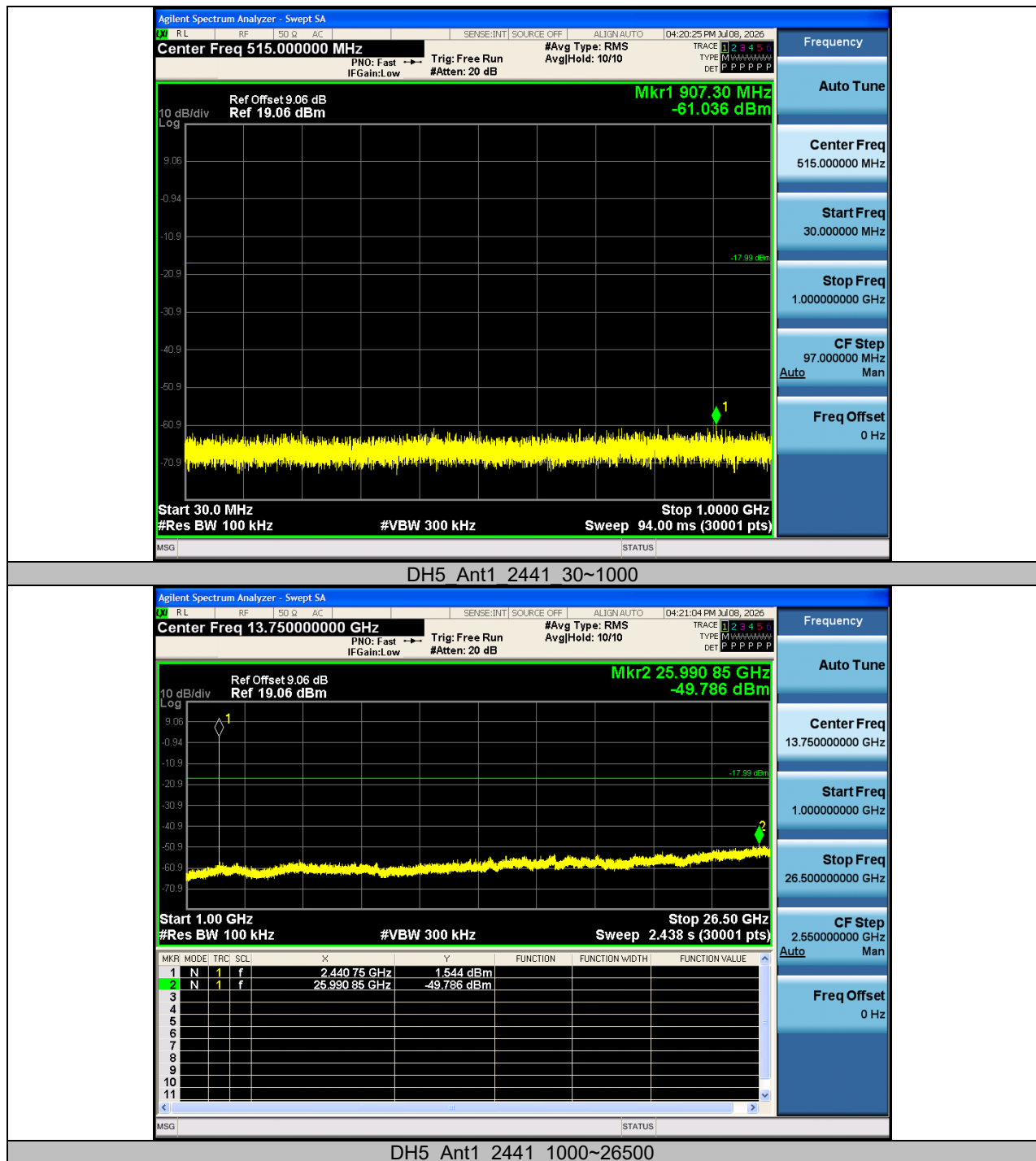
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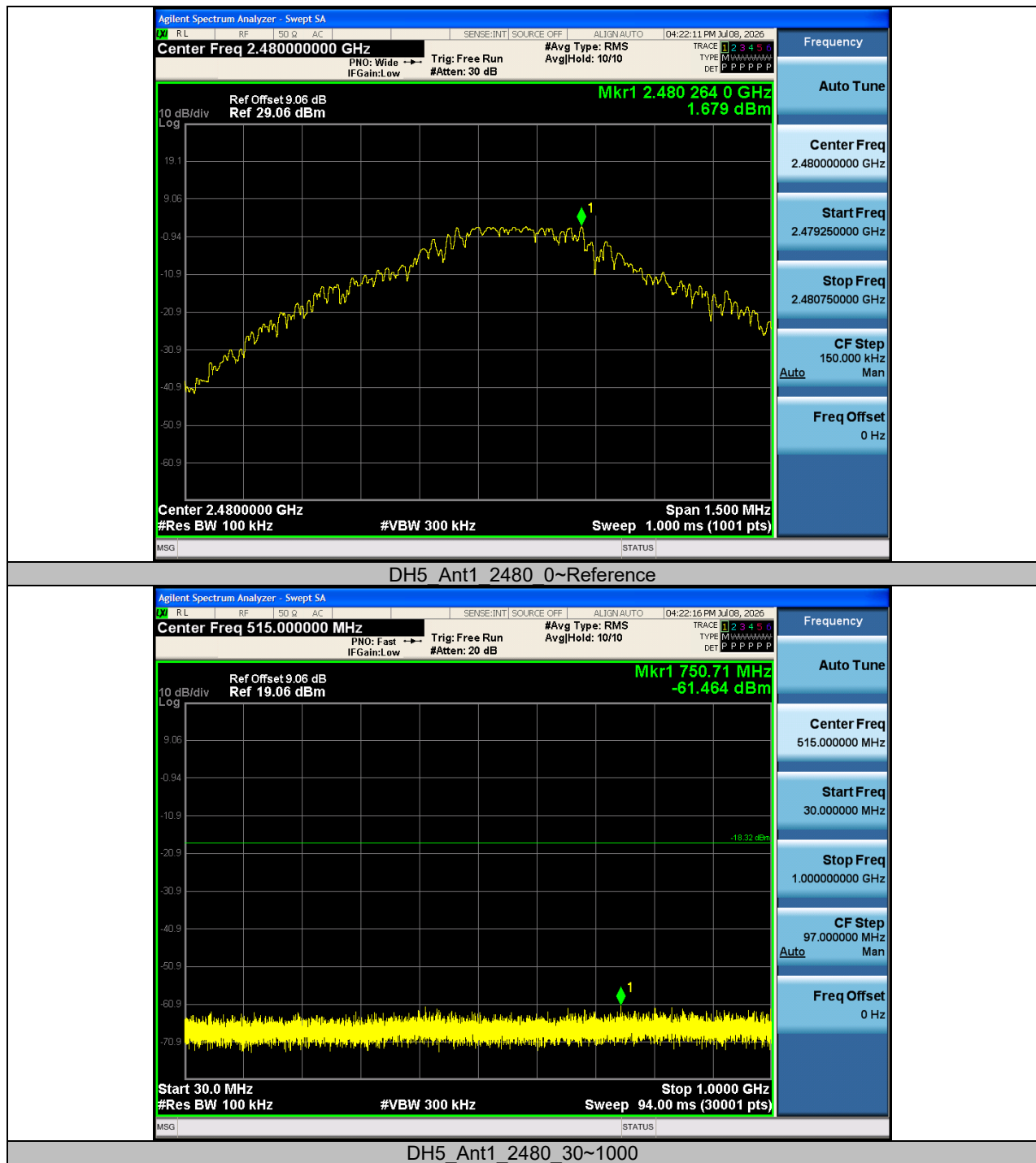
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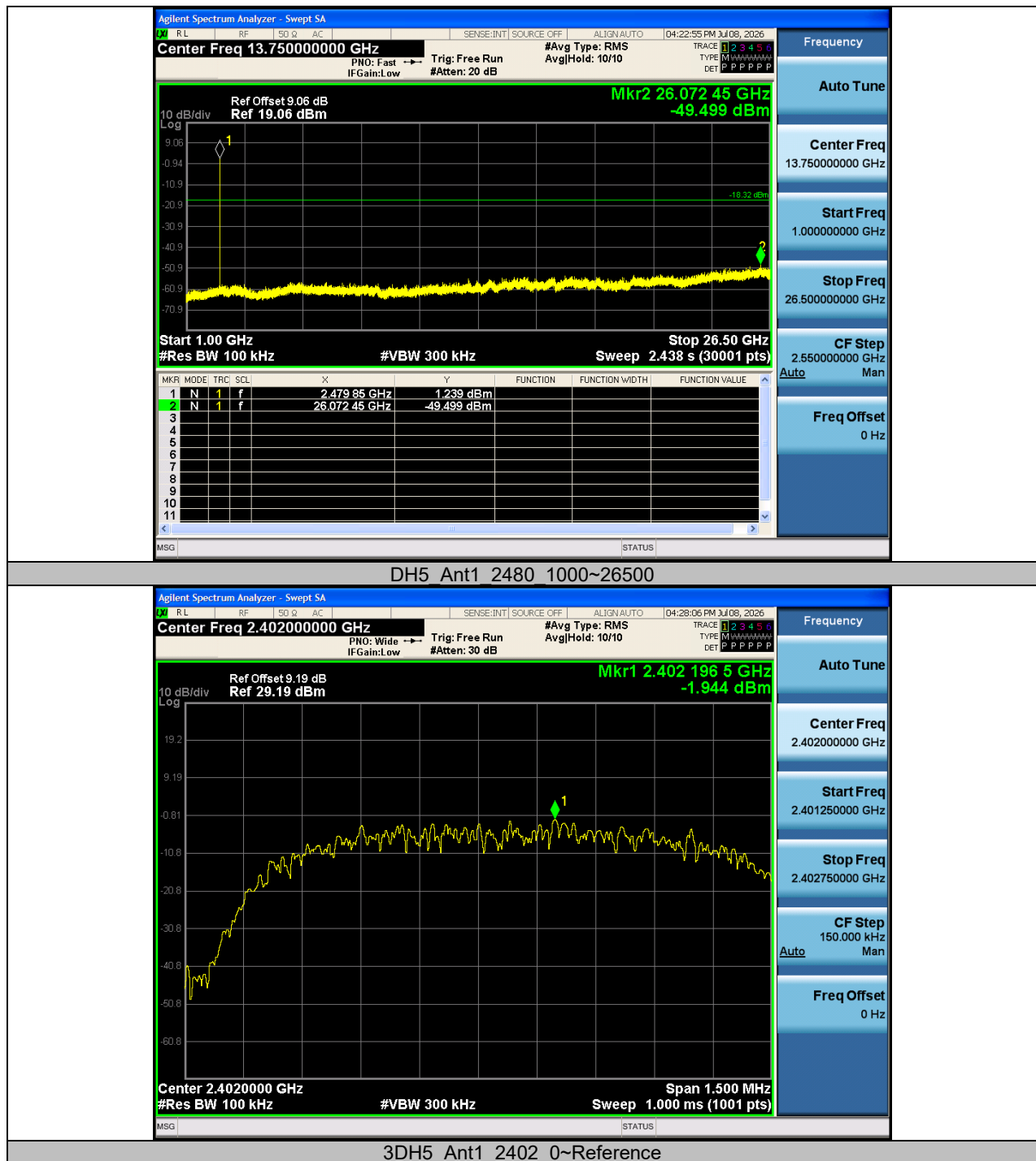
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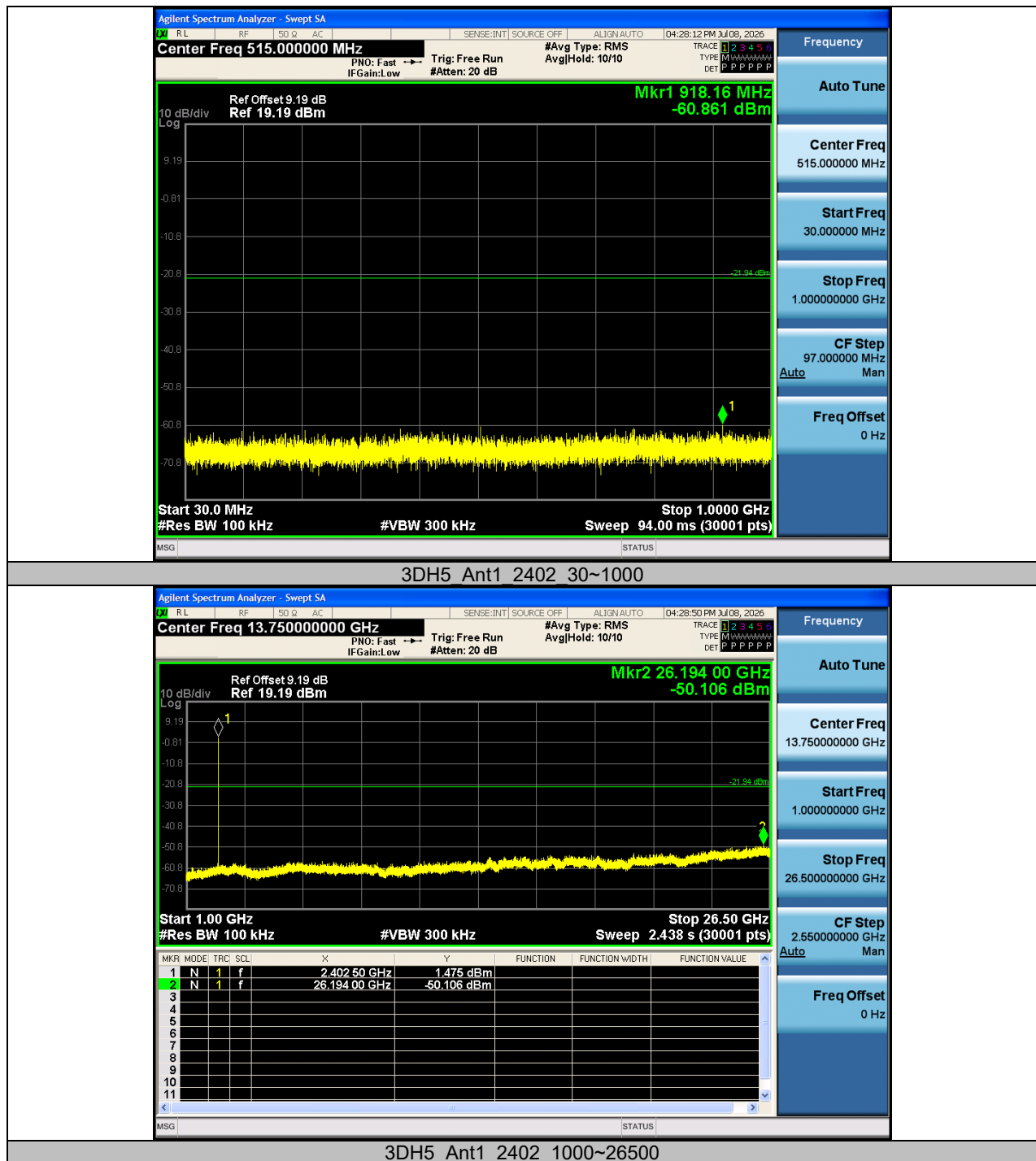
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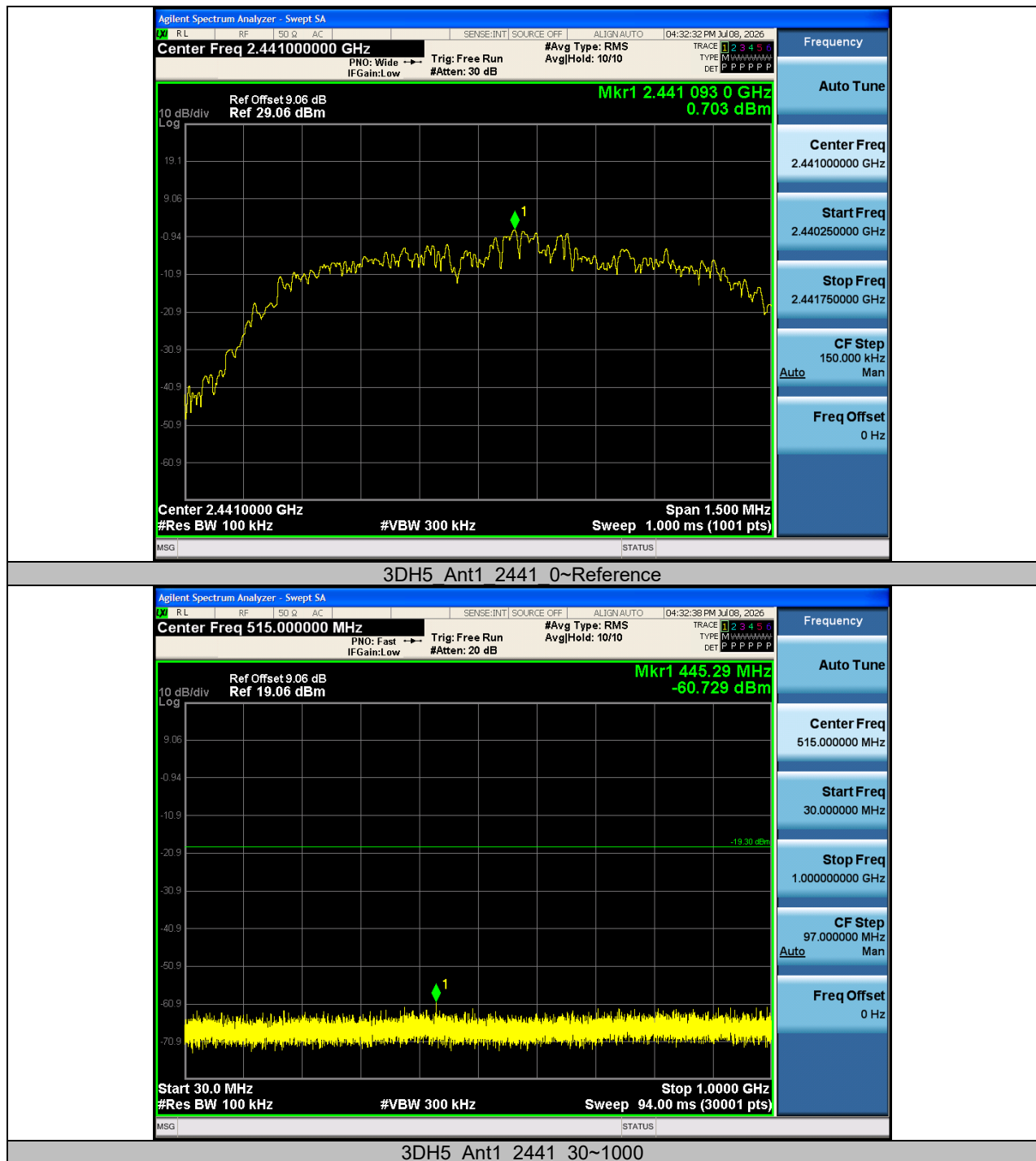
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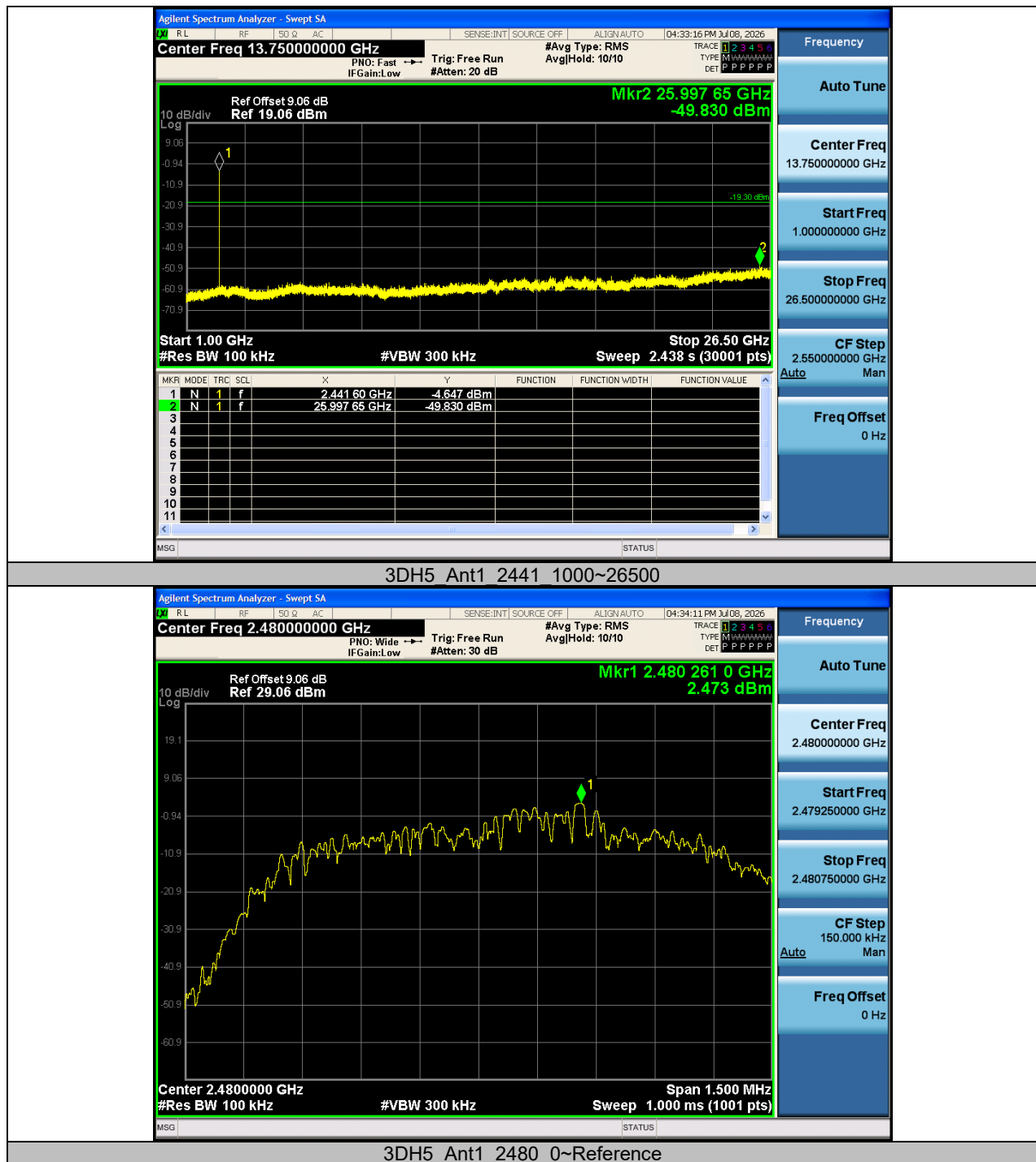
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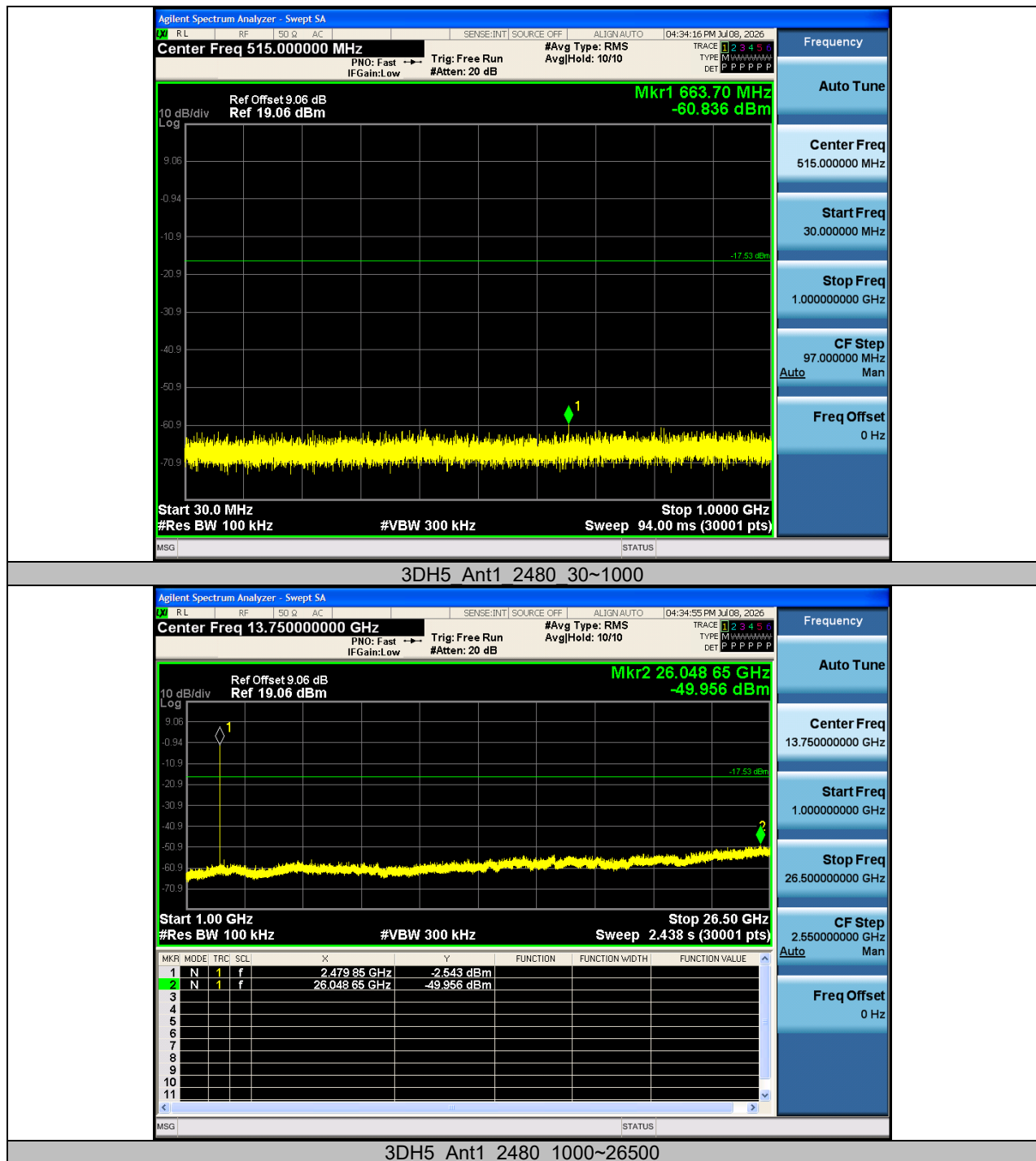
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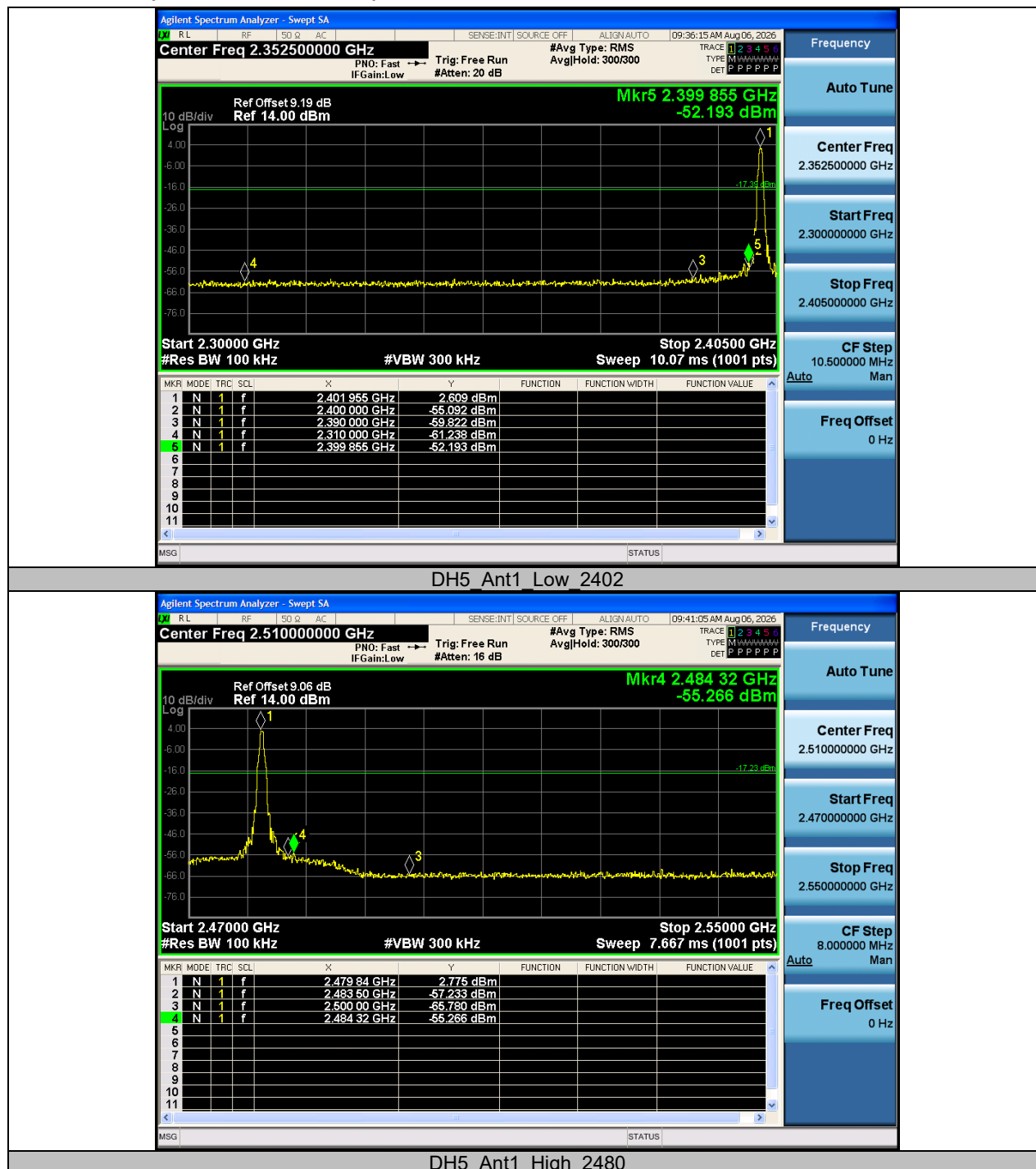


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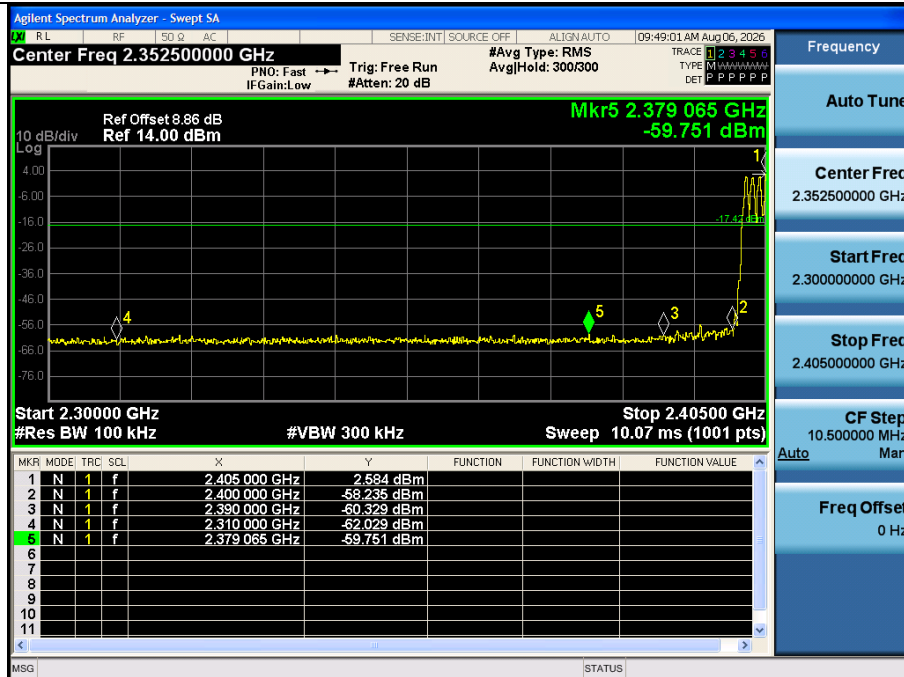
Mkr1 indicates the highest level, other indicates the 20dB offset below highest level. It shows compliance with the requirement.



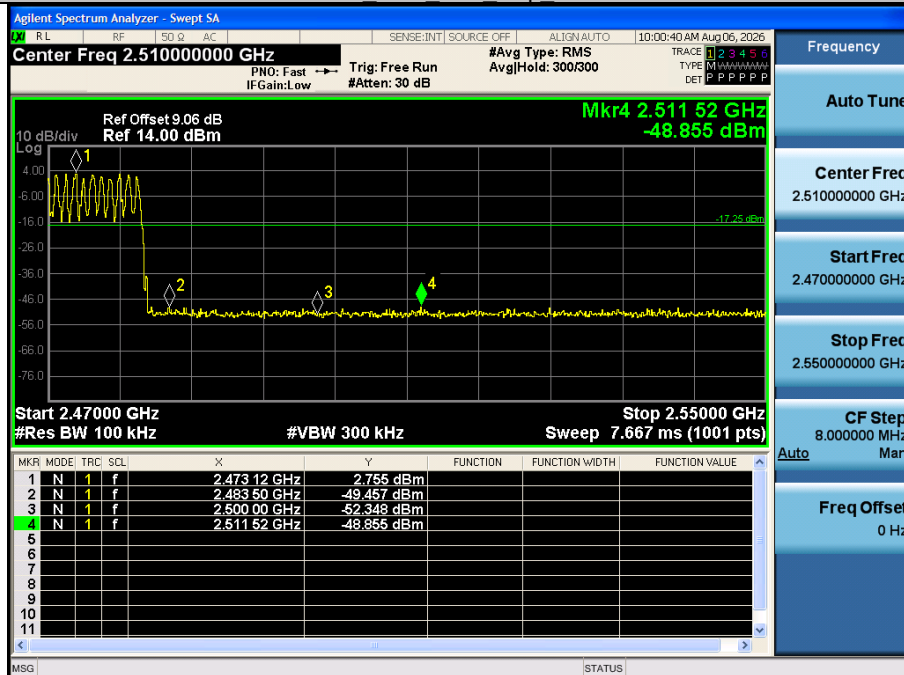


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DH5 Ant1 High Hop 2480

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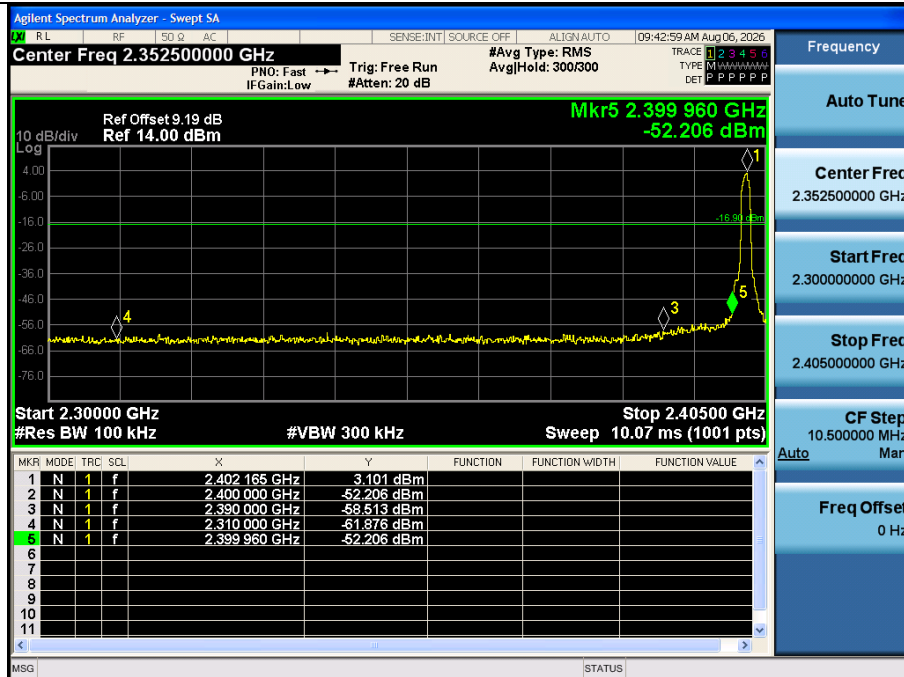
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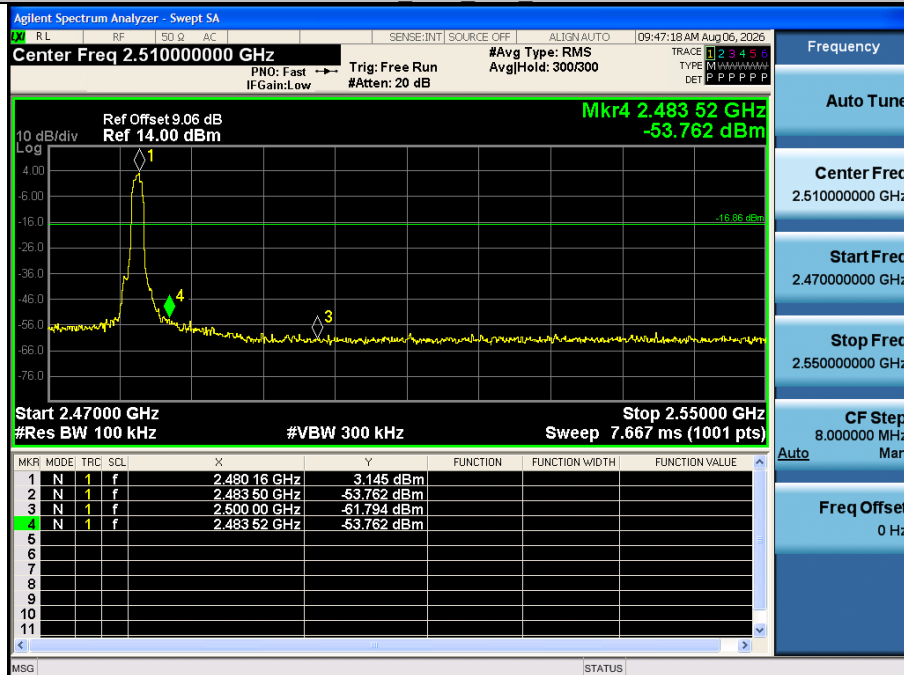


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3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480

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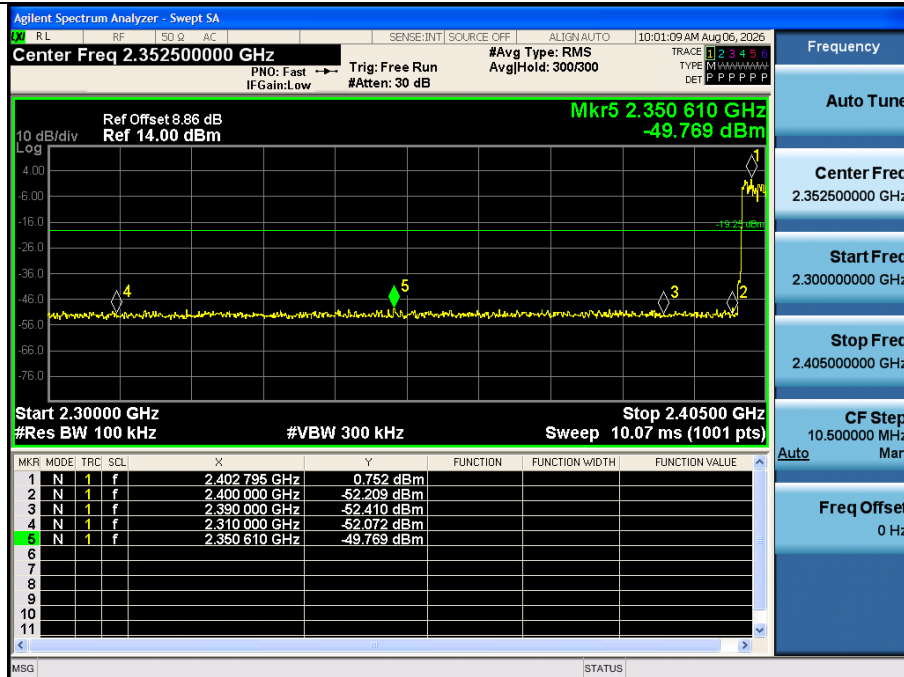
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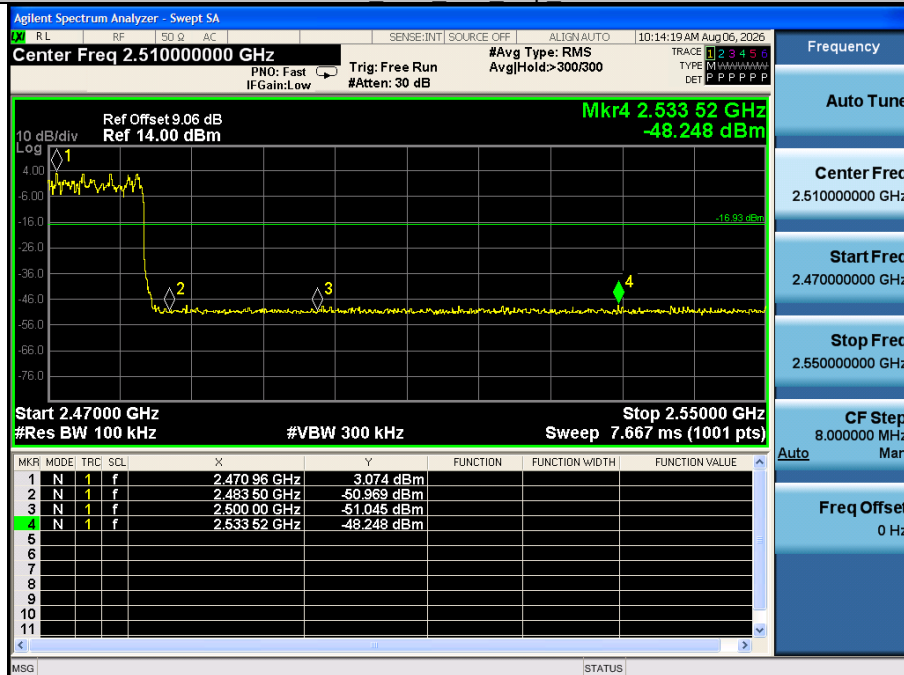


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3DH5 Ant1 Low Hop 2402



3DH5 Ant1 High Hop 2480

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5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---