

TEST REPORT

Product Name : quadcopter

HS720G, HS720, HS720E, HS720D, HS720S,
HS720R, HS720GR, HS720ER, HS700D, HS700E,
HS700G, HS550, HS710, HS710E, HS440,
HS440D, HS440G, HS600, HS110G, HS120S, F7,
HS100G, HS175D, HS175E, HS130D, HS650, D65,
D70, D75, D80, D90, D11, D100, HT40, HT50,

Model Number : HT60, HT65, HT70, HT300, HS290, HS320, HS390,
HS410, HS460, HS480, HS490, HS520, HS530,
HS540, HS560, HS570, HS580, HS590, HS610,
HS620, HS630, HS640, HS650, HS660, HS670,
HS680, HS690, HS730, HS740, HS750, HS760,
HS770, HS780, HS790, HS810, HS820, HS900,
HS176, HS101, HS155, HS176, D85

FCC ID : 2AJ55HOLYSTONEZW

Prepared for : Xiamen Huoshiquan Import & Export CO., LTD
Address : Unit 1, Room 501, Hongxiang Building, No.258 Hubin Nan
Road, Siming District, Xiamen, China

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Report Number : ENS2306190277W00103R
Date(s) of Tests : August 8, 2023 to August 8, 2023
Date of issue : August 8, 2023

1 TEST RESULT CERTIFICATION

Applicant : Xiamen Huoshiquan Import & Export CO., LTD

Address : Unit 1, Room 501, Hongxiang Building, No.258 Hubin Nan Road, Siming District, Xiamen, China

Manufacturer : Xiamen Huoshiquan Import & Export CO., LTD

Address : Unit 1, Room 501, Hongxiang Building, No.258 Hubin Nan Road, Siming District, Xiamen, China

EUT : quadcopter

Model Name : HS720G, HS720, HS720E, HS720D, HS720S, HS720R, HS720GR, HS720ER, HS700D, HS700E, HS700G, HS550, HS710, HS710E, HS440, HS440D, HS440G, HS600, HS110G, HS120S, F7, HS100G, HS175D, HS175E, HS130D, HS650, D65, D70, D75, D80, D90, D11, D100, HT40, HT50, HT60, HT65, HT70, HT300, HS290, HS320, HS390, HS410, HS460, HS480, HS490, HS520, HS530, HS540, HS560, HS570, HS580, HS590, HS610, HS620, HS630, HS640, HS650, HS660, HS670, HS680, HS690, HS730, HS740, HS750, HS760, HS770, HS780, HS790, HS810, HS820, HS900, HS176, HS101, HS155, HS176, D85

Trademark : Holy Stone

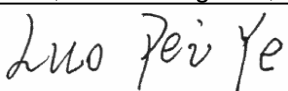
Measurement Procedure Used:

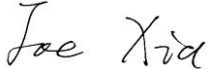
APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart E	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.407

The test results of this report relate only to the tested sample identified in this report.

Date of Test : August 8, 2023 to August 8, 2023

Prepared by : 
Luo peiye /Editor

Reviewer : 
Joe Xia /Supervisor

Approve & Authorized Signer : 
Lisa Wang/Manager



Modified History

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2306190277W00103R	/	Original Report



TABLE OF CONTENTS

1	TEST RESULT CERTIFICATION	2
2	EUT TECHNICAL DESCRIPTION	5
3	SUMMARY OF TEST RESULT	7
4	TEST METHODOLOGY	8
4.1	GENERAL DESCRIPTION OF APPLIED STANDARDS	8
4.2	MEASUREMENT EQUIPMENT USED	8
4.3	DESCRIPTION OF TEST MODES	10
5	FACILITIES AND ACCREDITATIONS	11
5.1	FACILITIES	11
5.2	EQUIPMENT	11
5.3	LABORATORY ACCREDITATIONS AND LISTINGS	11
6	TEST SYSTEM UNCERTAINTY	12
7	SETUP OF EQUIPMENT UNDER TEST	13
7.1	RADIO FREQUENCY TEST SETUP	13
7.2	RADIO FREQUENCY TEST SETUP	13
7.3	CONDUCTED EMISSION TEST SETUP	15
7.4	BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM	16
7.5	SUPPORT EQUIPMENT	16
8	TEST REQUIREMENTS	17
8.1	BANDWIDTH MEASUREMENT	17
8.2	MAXIMUM CONDUCTED OUTPUT POWER	52
8.3	MAXIMUM PEAK POWER DENSITY	80
8.4	UNDESIRABLE RADIATED SPURIOUS EMISSION	95
8.5	POWER LINE CONDUCTED EMISSIONS	114
8.6	ANTENNA APPLICATION	115

2 EUT TECHNICAL DESCRIPTION

Characteristics	Description
Product:	quadcopter
Model Number:	HS720G, HS720, HS720E, HS720D, HS720S, HS720R, HS720GR, HS720ER, HS700D, HS700E, HS700G, HS550, HS710, HS710E, HS440, HS440D, HS440G, HS600, HS110G, HS120S, F7, HS100G, HS175D, HS175E, HS130D, HS650, D65, D70, D75, D80, D90, D11, D100, HT40, HT50, HT60, HT65, HT70, HT300, HS290, HS320, HS390, HS410, HS460, HS480, HS490, HS520, HS530, HS540, HS560, HS570, HS580, HS590, HS610, HS620, HS630, HS640, HS650, HS660, HS670, HS680, HS690, HS730, HS740, HS750, HS760, HS770, HS780, HS790, HS810, HS820, HS900, HS176, HS101, HS155, HS176, D85 (These models are identical in circuitry and electrical, mechanical and physical construction; The differences among them are model name and the color of appearance. Only indicates for different market purposes; We chose HS720G as the final test prototype)
Sample Number:	2#
Wifi Type:	☒ Wifi 5G with 5150MHz-5250MHz Band ☒ Wifi 5G with 5725MHz-5850MHz Band
WLAN Supported:	☒ 802.11a ☒ 802.11n(20MHz channel bandwidth)
Data Rate :	☒ 802.11a:54/48/36/24/18/12/9/6Mbps ☒ 802.11n:up to 300 Mbps
Modulation:	☒ OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n
Frequency Range:	☒ UNII-1: 5150MHz-5250MHz Band
	☒ 5180-5240MHz for 802.11a; ☒ 5180-5240MHz for 802.11n(HT20);
	☒ UNII-3 with 5725MHz-5850MHz Band
	☒ 5745-5825MHz for 802.11a; ☒ 5745-5825MHz for 802.11n(HT20);
TPC Function:	☐ Applicable ☒ Not Applicable
Antenna Port:	☒ Antenna port 1 ☒ Antenna port 2
Antenna Type:	Copper Tube Antenna
Antenna Gain:	☒ ANT 1: 2.75 dBi ☒ ANT 2: 2.75 dBi

Transmit Power:	5150MHz-5250MHz : 18.36 dBm 5725MHz-5850MHz : 19.91 dBm
Power Supply :	DC 7.7V from Li-Po battery DC 5V from adapter
Date of Received:	February 28, 2022
Temperature Range:	Refer to manufacturer user manual/operating manual

Note: For more details, please refer to the User's manual of the EUT.



3 SUMMARY OF TEST RESULT

FCC Part Clause	Test Parameter	Verdict	Remark
15.407 (a) 15.407 (e)	99% , 6dB and 26dB Bandwidth	PASS	
15.407 (a)	Maximum Conducted Output Power	PASS	
15.407 (a)	Peak Power Spectral Density	PASS	
15.407 (b)	Radiated Spurious Emission	PASS	
15.407(g)	Frequency Stability	PASS	
15.407 (b)(6) 15.207	Power Line Conducted Emission	PASS	
15.407(a) 15.203	Antenna Application	PASS	
NOTE1: N/A (Not Applicable) NOTE2: According to FCC OET KDB 789033 D2 General UNII Test Procedures New Rules v02r01, In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.			

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for **FCC ID: 2AJ55HOLYSTONEZW** filing to comply with Section 15.407 of the FCC Part 15, Subpart 15E Rules.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart E

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 789033 D2 General UNII Test Procedures New Rules v02r01

4.2 MEASUREMENT EQUIPMENT USED

Conducted Emission Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESCI	101384	2023/5/13	1Year
AMN	Rohde & Schwarz	ENV216	101161	2023/5/13	1Year
AMN	Kyoritsu	KNW-407	8-1492-9	2023/5/11	1Year

For Spurious Emissions Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Pre-Amplifier	Bonn	BLMA 011001N	2213967A	2022/10/31	1Year
EMI Test Receiver	Rohde & Schwarz	ESR7	102551	2022/10/31	1Year
Bilog Antenna	Schwarzbeck	VULB9163	9163142	2022/7/24	2 Year
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1198	2023/6/2	2 Year
Pre-Amplifier	Bonn	BLMA 0118-5G	2213967B-01	2022/10/31	1Year
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101290	2022/10/31	1Year
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2023/5/12	2 Year
Pre-Amplifier	Lunar EM	LNA18G26-40	J101213101000 1	2023/5/10	2 Year
Pre-Amplifier	Lunar EM	LNA26G40-40	J101313102800 1	2023/5/10	1 Year
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2023/5/12	1 Year
Band reject Filter(50dB)	WI/DE	WRCGV-2400(2400-2485MHz)	2	2023/5/10	1 Year

For other test items:

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Signal Analyzer	Agilent	N9010A	MY53470879	2023/5/10	1Year
Vector Signal Generater	Agilent	N5182B	MY53050878	2023/5/10	1Year
Analog Signal Generator	Agilent	N5171B	MY53050553	2023/5/10	1Year
Power Meter	Agilent	PS-X10-100	\	2023/5/13	1Year
Switchgroup	THEDA	ETF-025(VASC6)	TW5451008	N/A	N/A
MIMO Matrix Switch	THEDA	4P5TM18	TW5451009	N/A	N/A

Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2023/5/10	1Year
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4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

☒ Wifi 5G with U-NII - 1

Frequency and Channel list for 802.11a, 802.11n (HT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220		
40	5200	48	5240		

Test Frequency and Channel for 802.11a, 802.11n (HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	48	5240

☒ Wifi 5G with U-NII -3

Frequency and Channel list for 802.11a, 802.11n (HT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825
153	5765	161	5805		

Test Frequency and Channel for 802.11a, 802.11n (HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825

The 5G WIFI has two antennas and support Multiple Outputs for 802.11n mode for this report; Antenna 1 Gain is 2.75 dBi; Antenna 2 Gain is 2.75 dBi; for this function is belong to Correlated Categorization equipment

According to KDB 662911, for equall antenna gains,

Directional gain = GANT + 10 log(NANT) dBi=7.14 dBi

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at:

EMTEK (Shenzhen) Co., Ltd.

Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab.	: Accredited by CNAS The Certificate Registration Number is L2291. The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)
	Accredited by FCC Designation Number: CN1204 Test Firm Registration Number: 882943
	Accredited by A2LA The Certificate Number is 4321.01.
	Accredited by Industry Canada The Conformity Assessment Body Identifier is CN0008
Name of Firm	: EMTEK (SHENZHEN) CO., LTD.
Site Location	: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

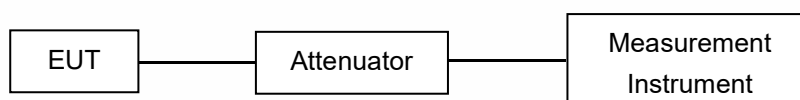
Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Maximum Peak Output Power Test	$\pm 1.0\text{dB}$
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Power Density	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 3\%$

Measurement Uncertainty for a level of Confidence of 95%

7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

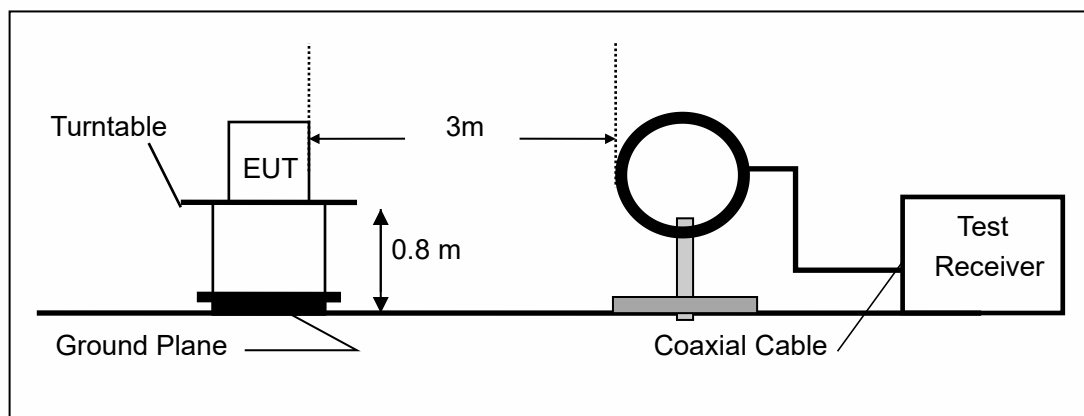
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

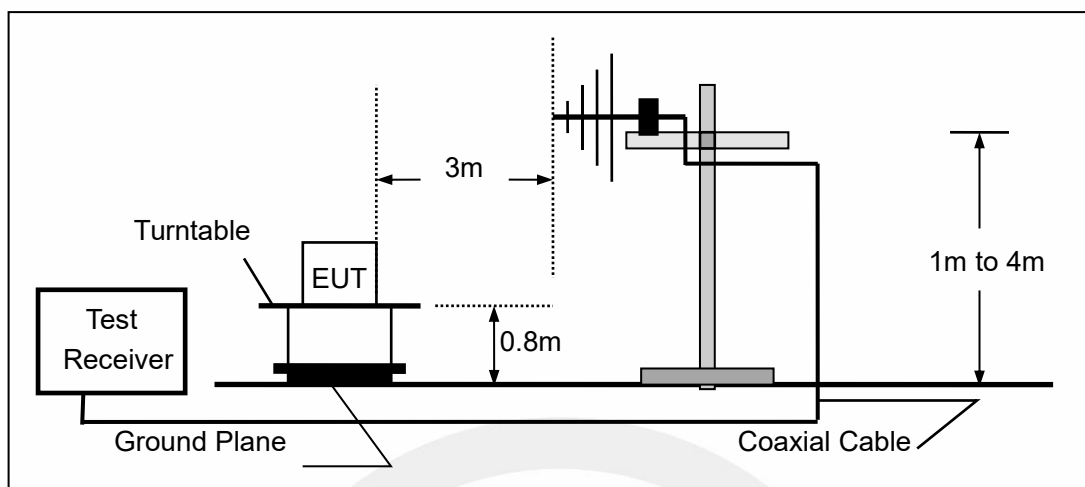
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

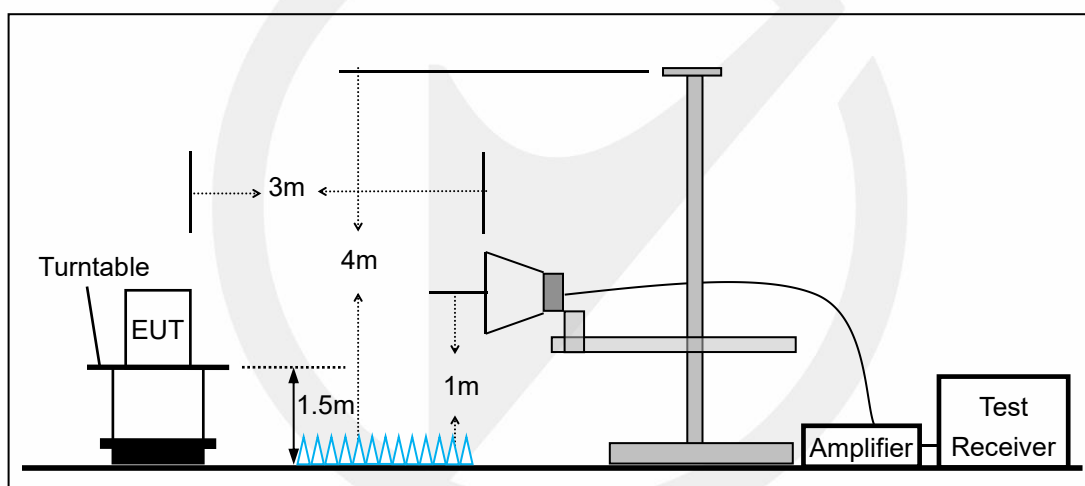
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

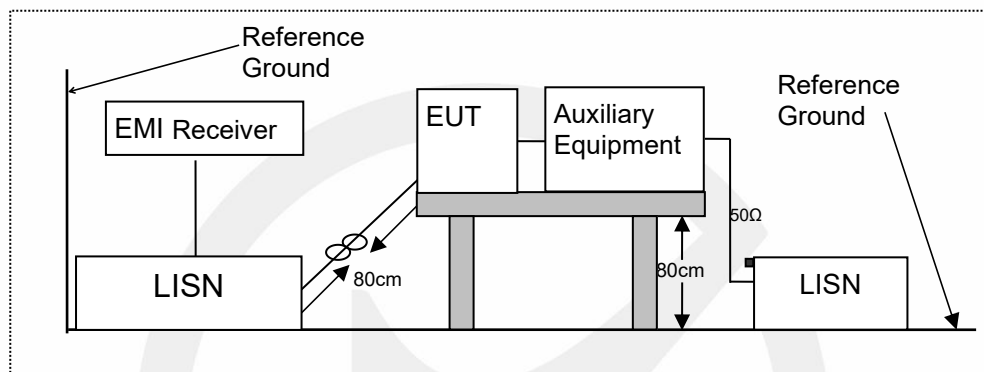


7.3 CONDUCTED EMISSION TEST SETUP

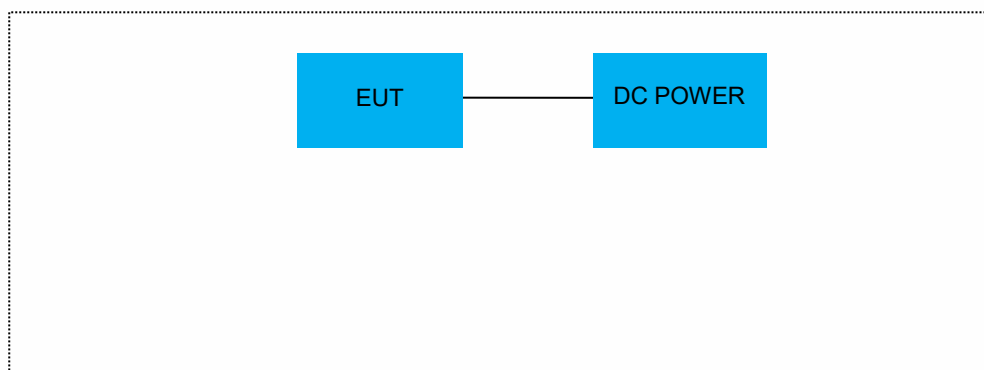
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Notebook	LENOVO	M713A	SA12582190

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 BANDWIDTH MEASUREMENT

8.1.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to FCC Part 15.407(e) for UNII Band III
According to 789033 D02 Section II(C)
According to 789033 D02 Section II(D)

8.1.2 Conformance Limit

(1) For the band 5.15-5.25 GHz.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup

8.1.4 Test Procedure

According to 789033 D02 v02r01 section C&D, the following is the measurement procedure.

1. Emission Bandwidth (EBW)

a) Set RBW = approximately 1% of the emission bandwidth.

b) Set the VBW > RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.

Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

D. 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to 789033 D02 v01r02 General UNII Test Procedures New Rules v01 define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

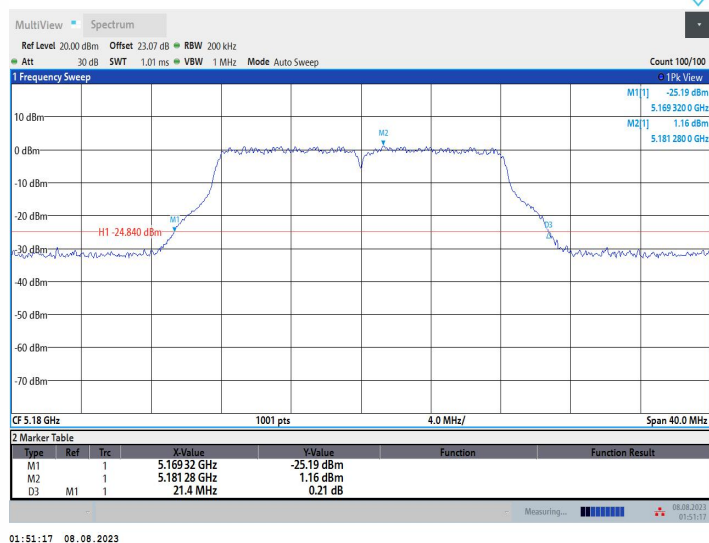
The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

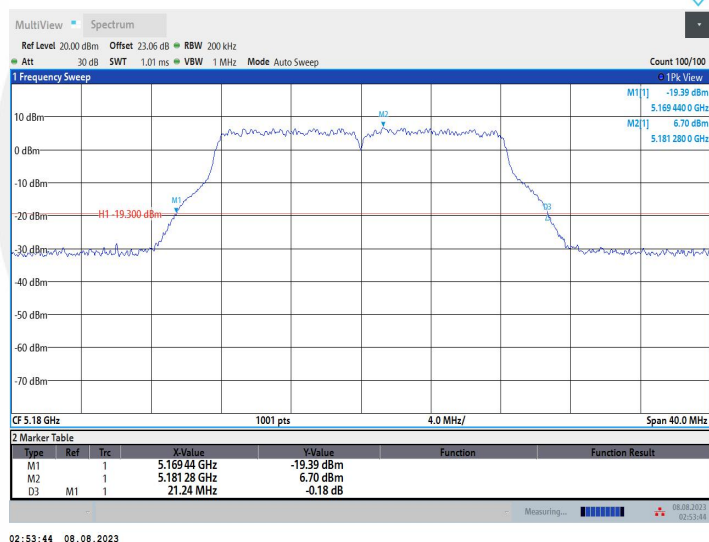
8.1.5 Test Results

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.40	5169.32	5190.72	---	---
	Ant2	5180	21.24	5169.44	5190.68	---	---
	Ant1	5200	21.36	5189.36	5210.72	---	---
	Ant2	5200	21.36	5189.36	5210.72	---	---
	Ant1	5240	21.32	5229.40	5250.72	---	---
	Ant2	5240	21.40	5229.32	5250.72	---	---
	Ant1	5745	21.44	5734.28	5755.72	---	---
	Ant2	5745	22.16	5734.04	5756.20	---	---
	Ant1	5785	21.28	5774.36	5795.64	---	---
	Ant2	5785	21.40	5774.32	5795.72	---	---
	Ant1	5825	21.36	5814.36	5835.72	---	---
	Ant2	5825	21.48	5814.32	5835.80	---	---
11N20SISO	Ant1	5180	21.64	5169.08	5190.72	---	---
	Ant2	5180	21.60	5169.12	5190.72	---	---
	Ant1	5200	21.64	5189.12	5210.76	---	---
	Ant2	5200	21.64	5189.12	5210.76	---	---
	Ant1	5240	21.60	5229.12	5250.72	---	---
	Ant2	5240	21.64	5229.08	5250.72	---	---
	Ant1	5745	21.72	5734.04	5755.76	---	---
	Ant2	5745	21.60	5734.12	5755.72	---	---
	Ant1	5785	21.64	5774.04	5795.68	---	---
	Ant2	5785	21.72	5774.04	5795.76	---	---
	Ant1	5825	21.68	5814.12	5835.80	---	---
	Ant2	5825	21.72	5814.12	5835.84	---	---

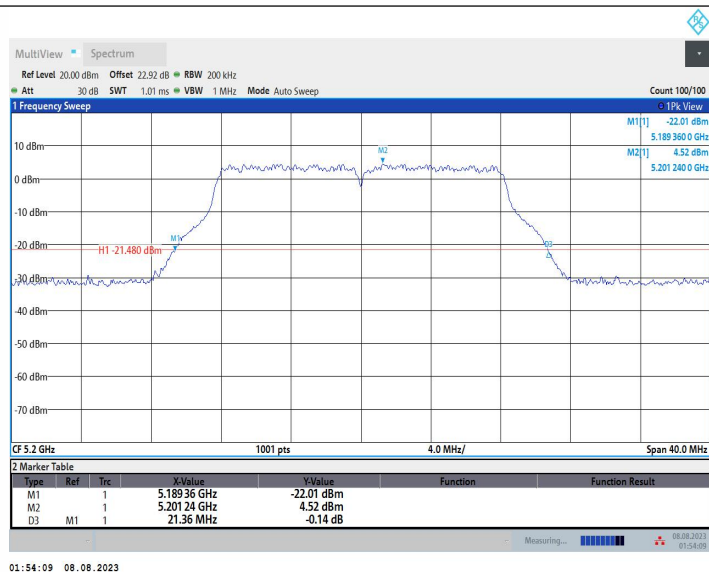
11A_Ant1_5180



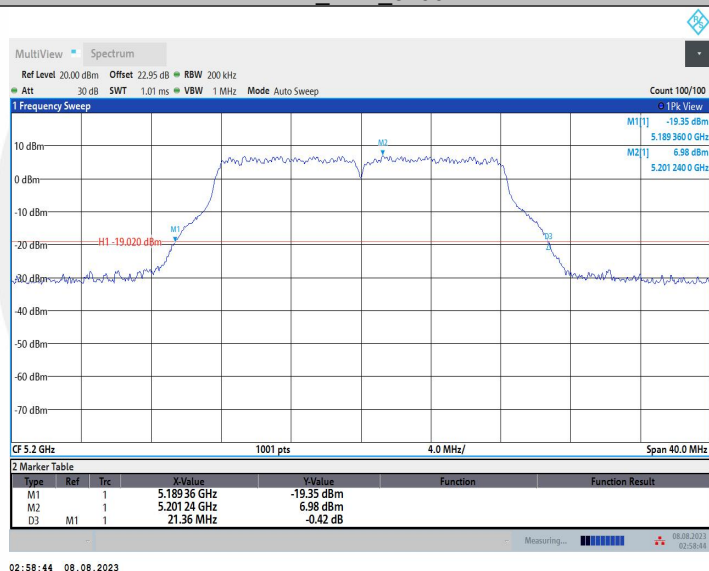
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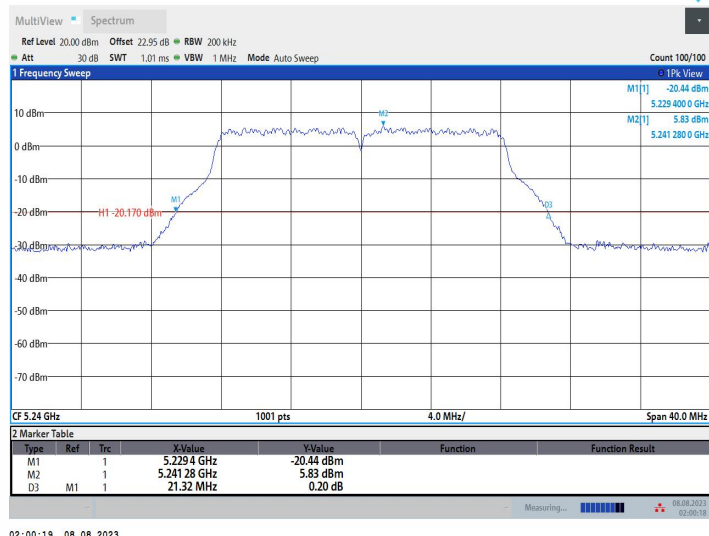
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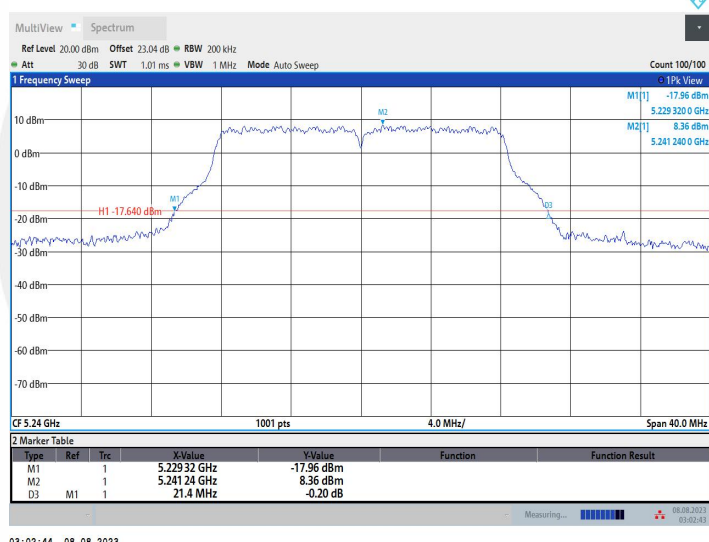
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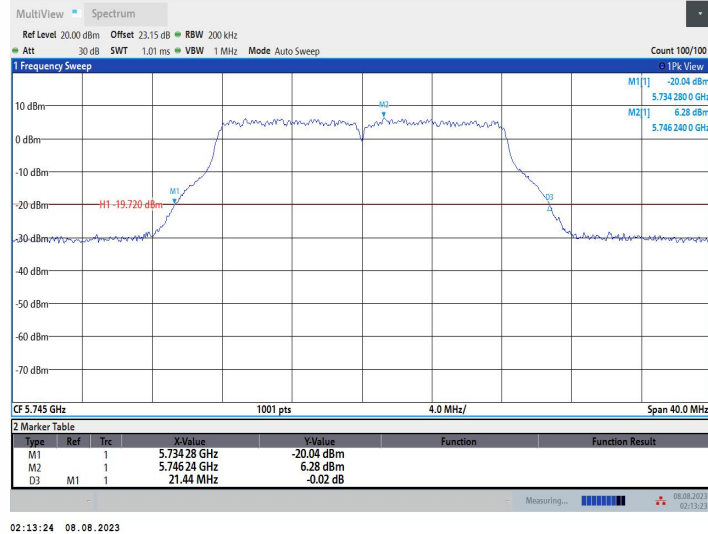
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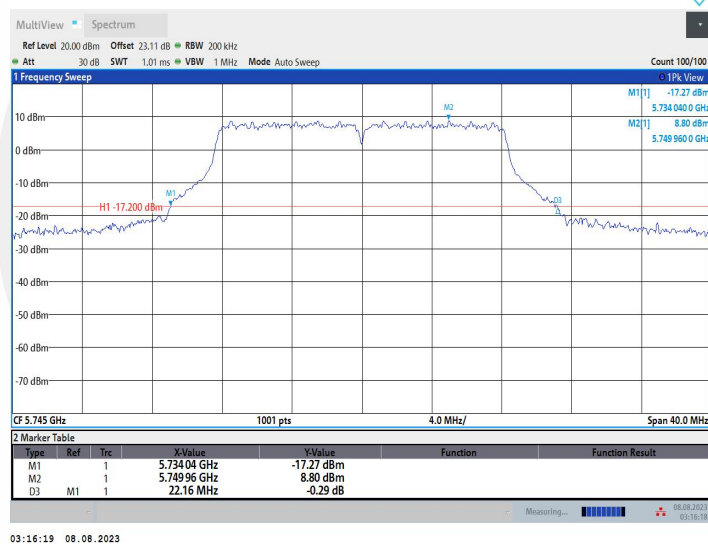
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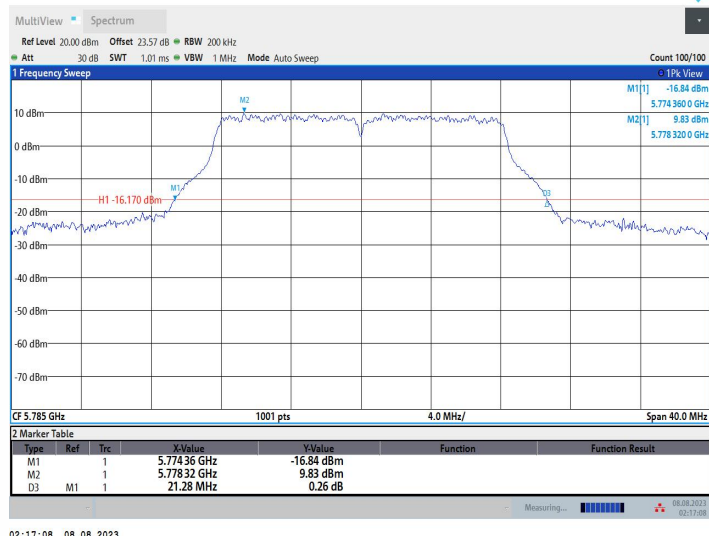
11A_Ant1_5745



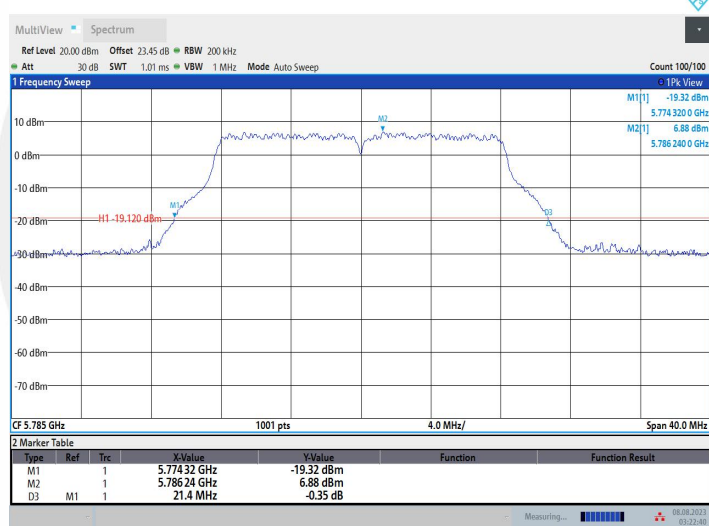
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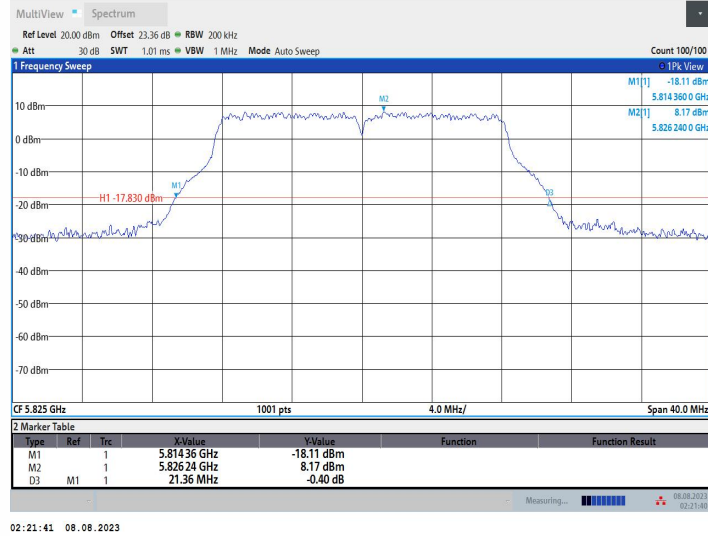
11A_Ant1_5785



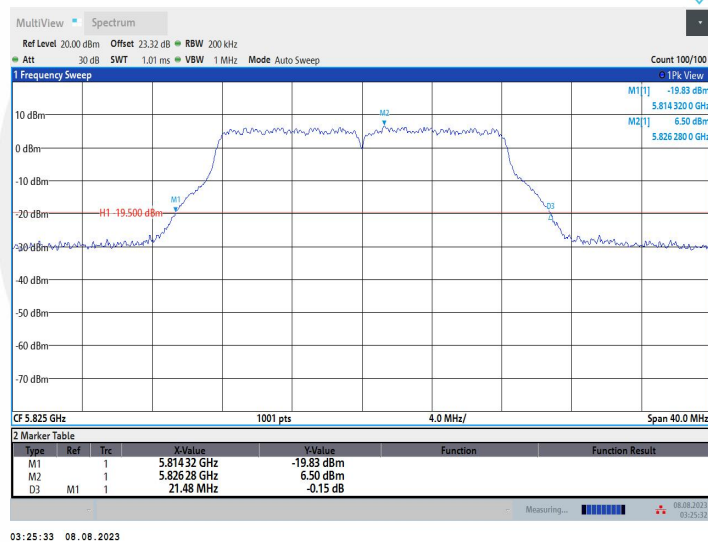
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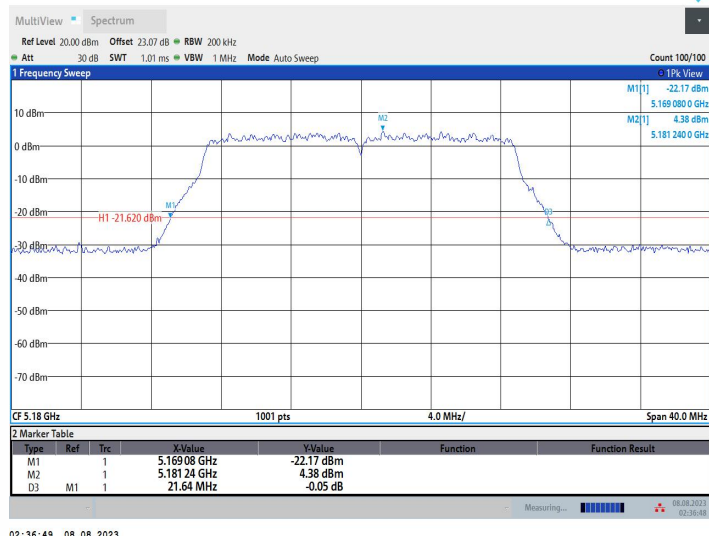
11A_Ant1_5825



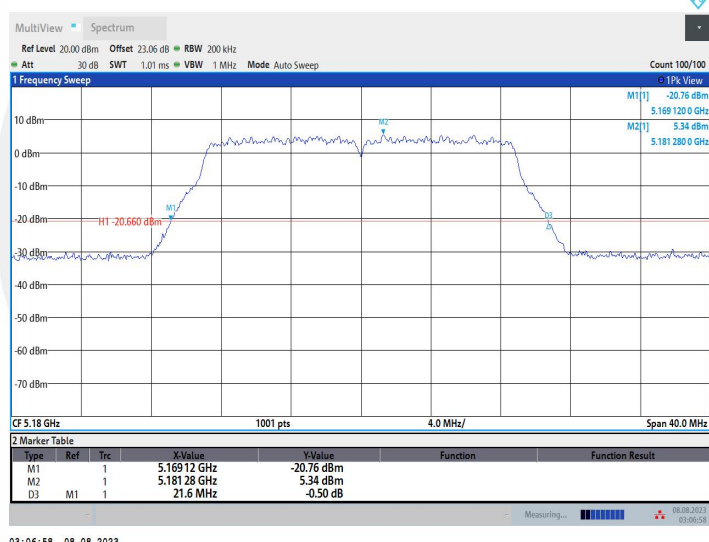
11A_Ant2_5825



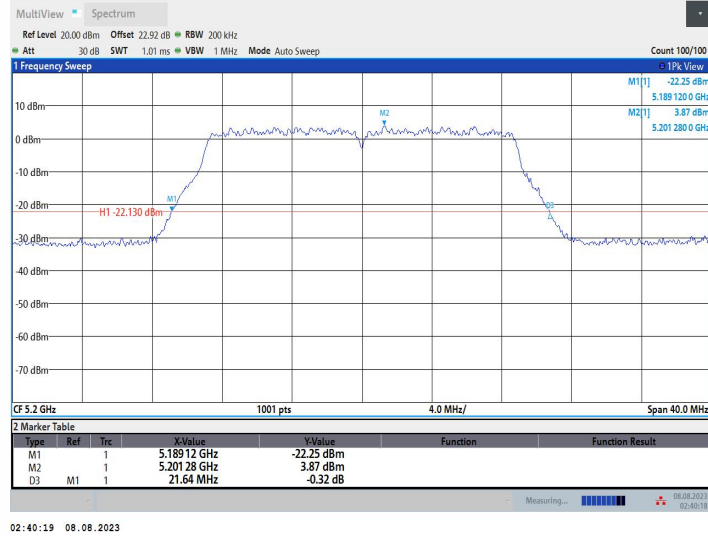
11N20SISO_Ant1_5180



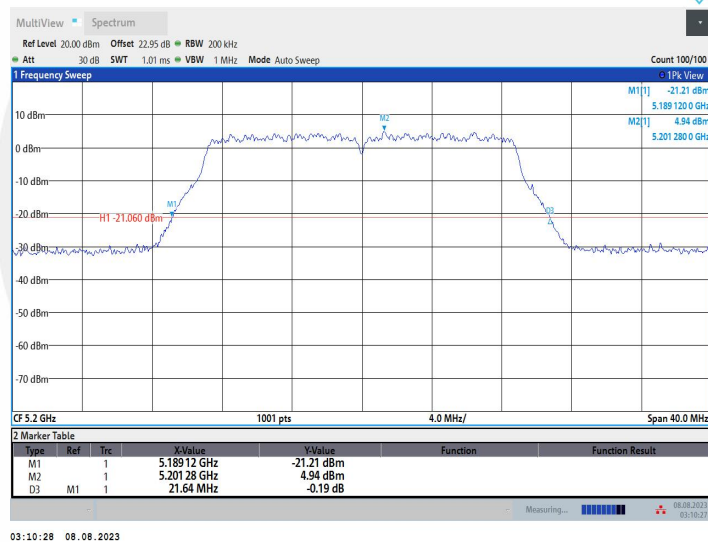
11N20SISO_Ant2_5180



11N20SISO_Ant1_5200



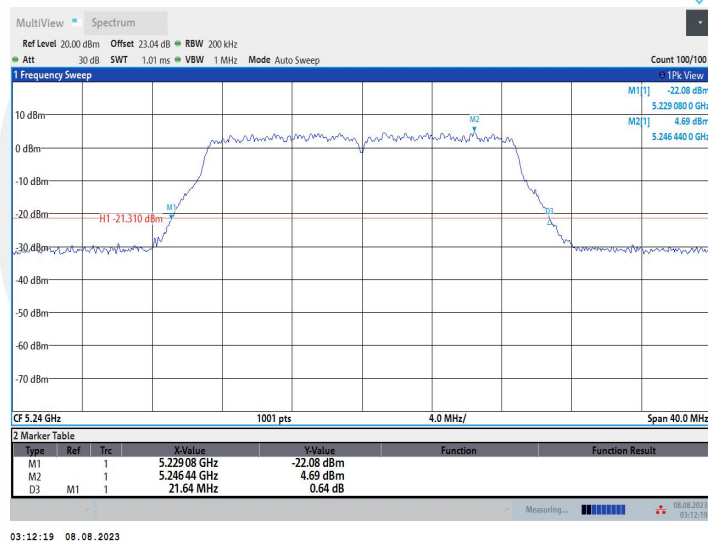
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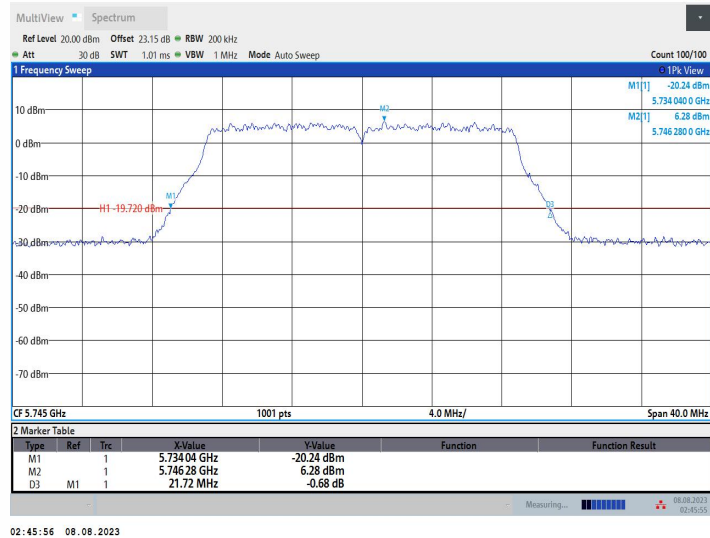
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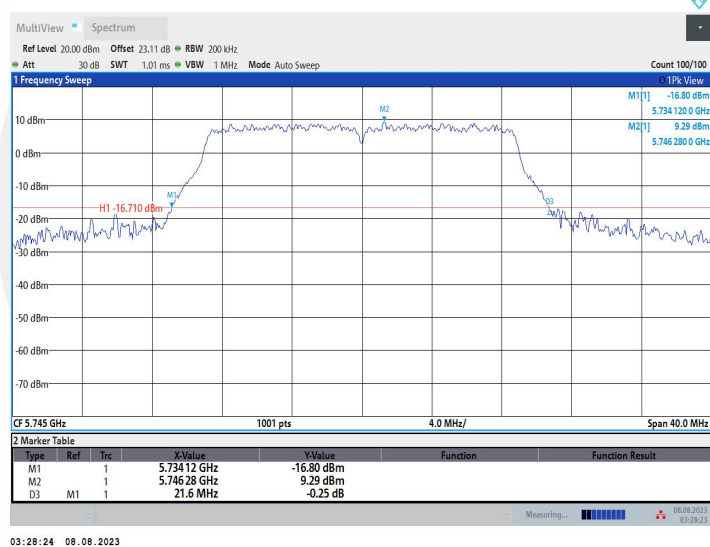
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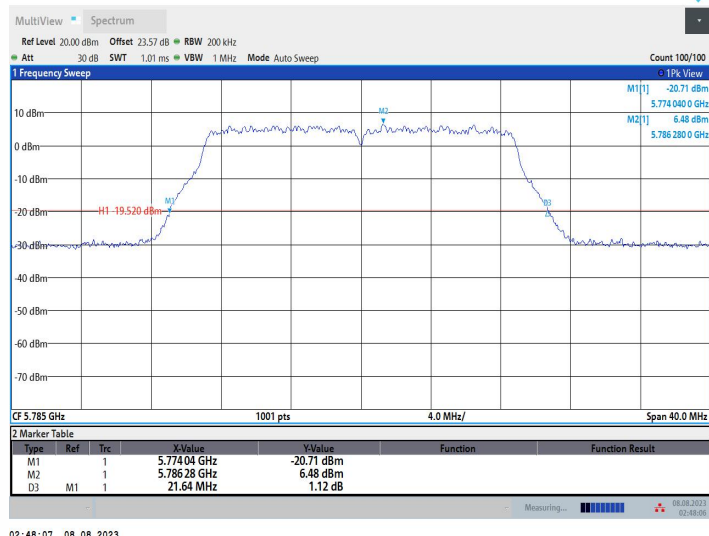
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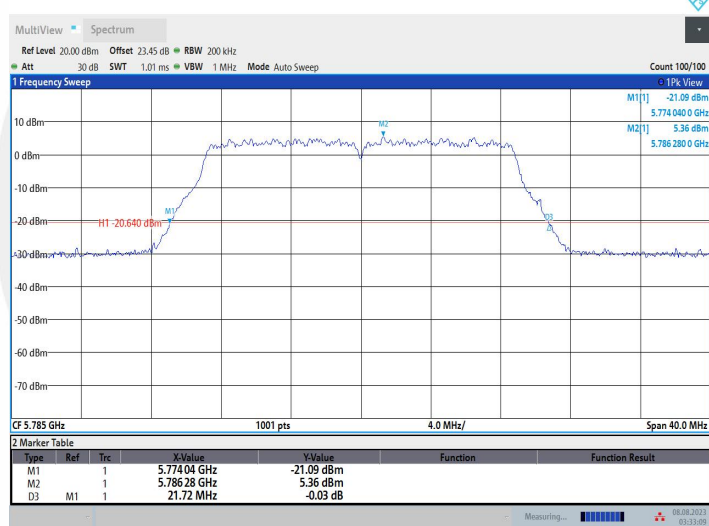


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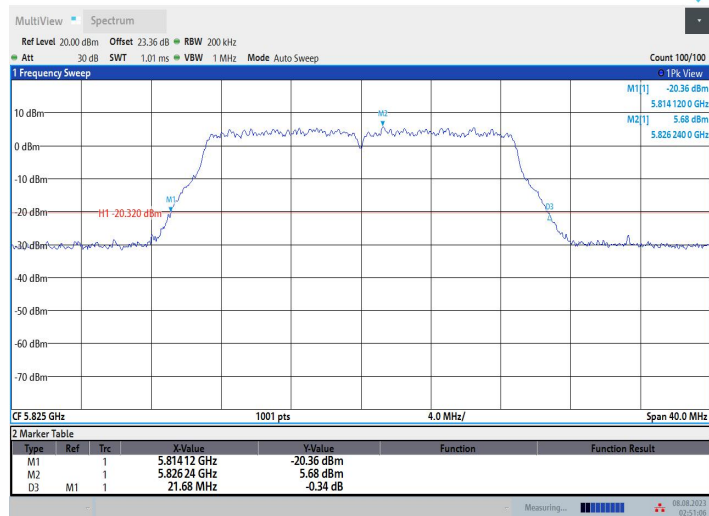
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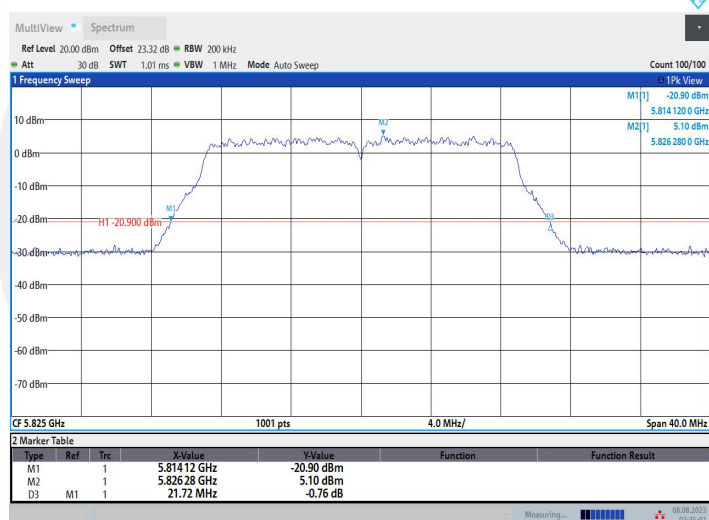
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11N20SISO_Ant1_5825



02:51:07 08.08.2023

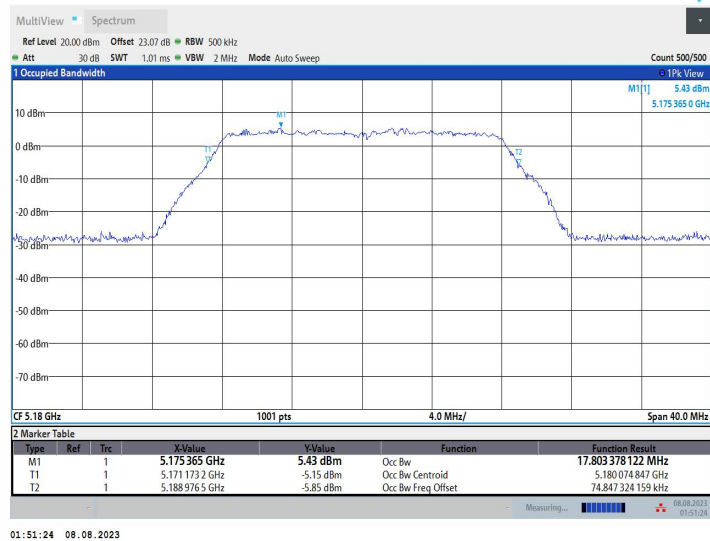
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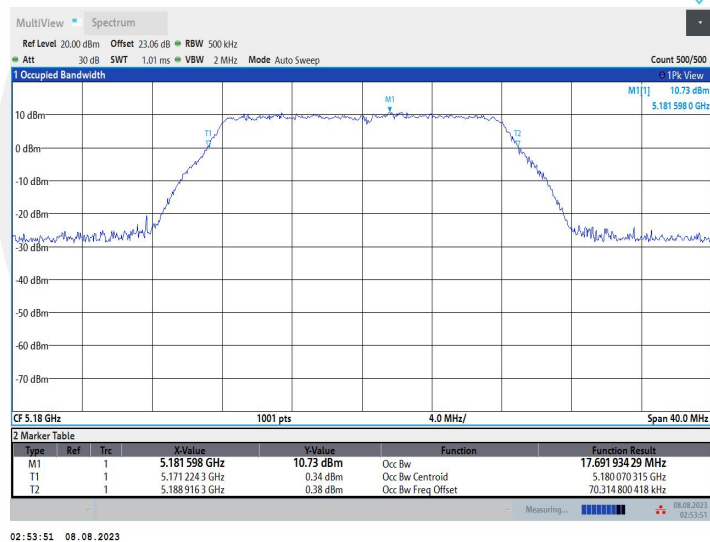
03:35:01 08.08.2023

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.803	5171.1732	5188.9765	---	---
	Ant2	5180	17.692	5171.2243	5188.9163	---	---
	Ant1	5200	17.732	5191.2036	5208.9357	---	---
	Ant2	5200	17.724	5191.2188	5208.9431	---	---
	Ant1	5240	17.695	5231.2316	5248.9263	---	---
	Ant2	5240	17.813	5231.1831	5248.9964	---	---
	Ant1	5745	17.747	5736.1790	5753.9258	---	---
	Ant2	5745	17.513	5736.2204	5753.7335	---	---
	Ant1	5785	17.888	5776.0933	5793.9811	---	---
	Ant2	5785	17.78	5776.1796	5793.9596	---	---
	Ant1	5825	17.751	5816.1909	5833.9423	---	---
	Ant2	5825	17.754	5816.1998	5833.9542	---	---
11N20SISO	Ant1	5180	18.677	5170.5620	5189.2388	---	---
	Ant2	5180	18.664	5170.5931	5189.2567	---	---
	Ant1	5200	18.691	5190.5645	5209.2551	---	---
	Ant2	5200	18.673	5190.5919	5209.2648	---	---
	Ant1	5240	18.674	5230.5838	5249.2578	---	---
	Ant2	5240	18.686	5230.5865	5249.2725	---	---
	Ant1	5745	18.718	5735.5401	5754.2579	---	---
	Ant2	5745	18.752	5735.5264	5754.2784	---	---
	Ant1	5785	18.697	5775.5365	5794.2338	---	---
	Ant2	5785	18.702	5775.5576	5794.2597	---	---
	Ant1	5825	18.69	5815.5621	5834.2523	---	---
	Ant2	5825	18.72	5815.5629	5834.2830	---	---

11A_Ant1_5180



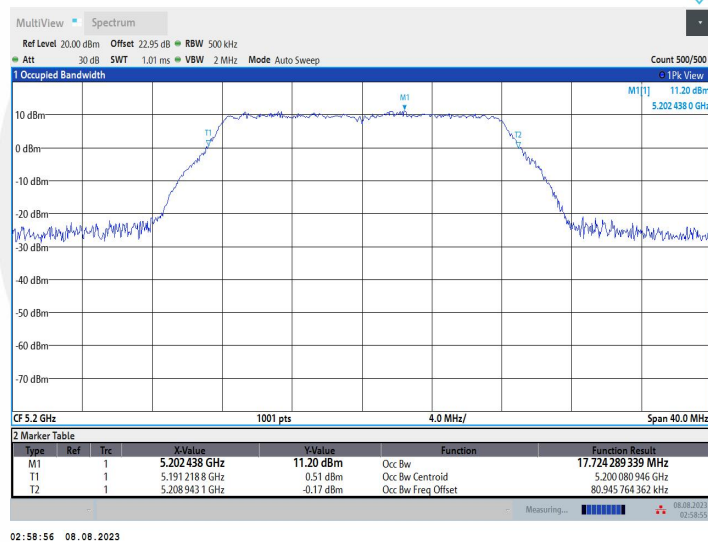
11A_Ant2_5180



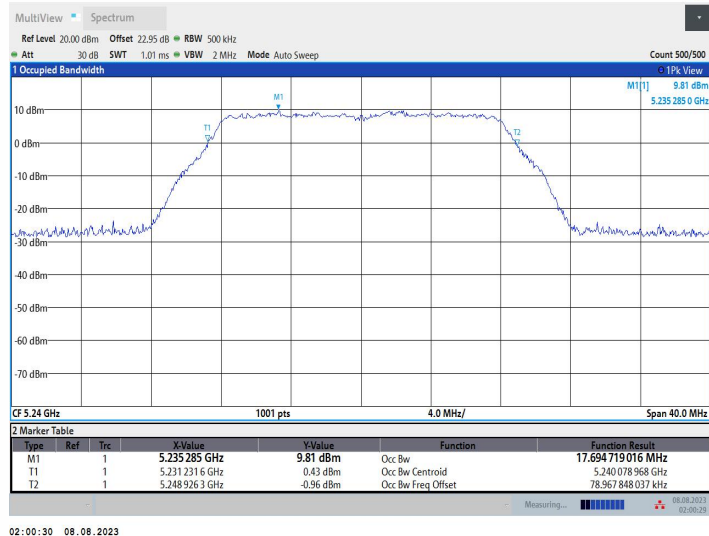
11A_Ant1_5200



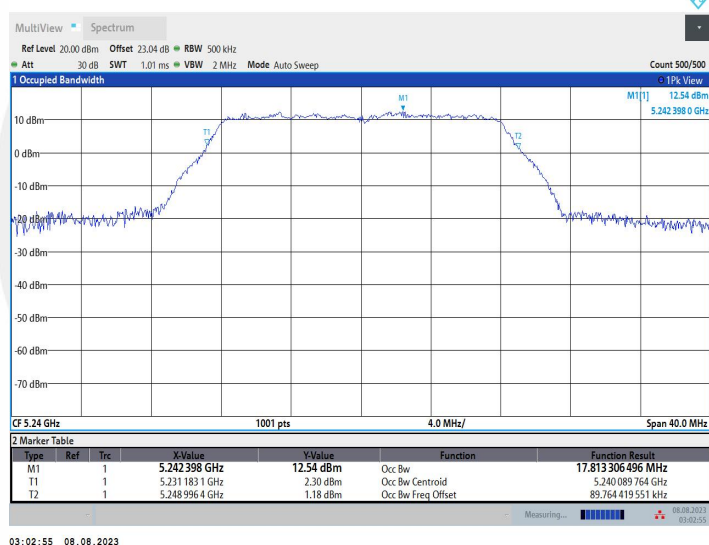
11A_Ant2_5200



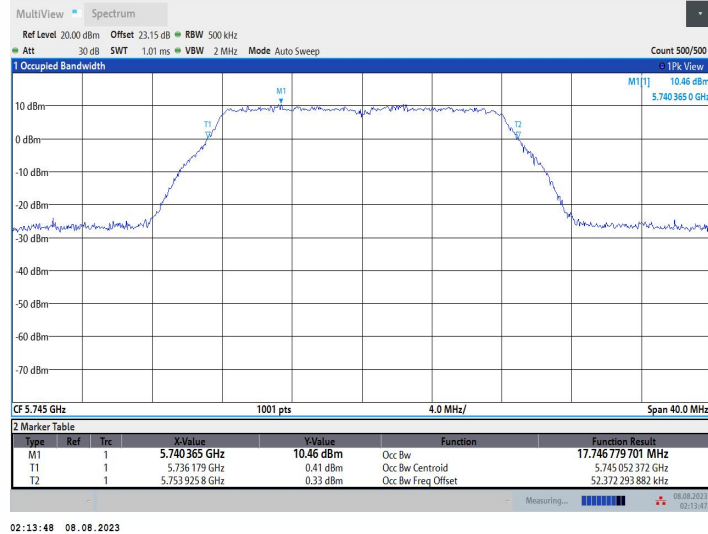
11A_Ant1_5240



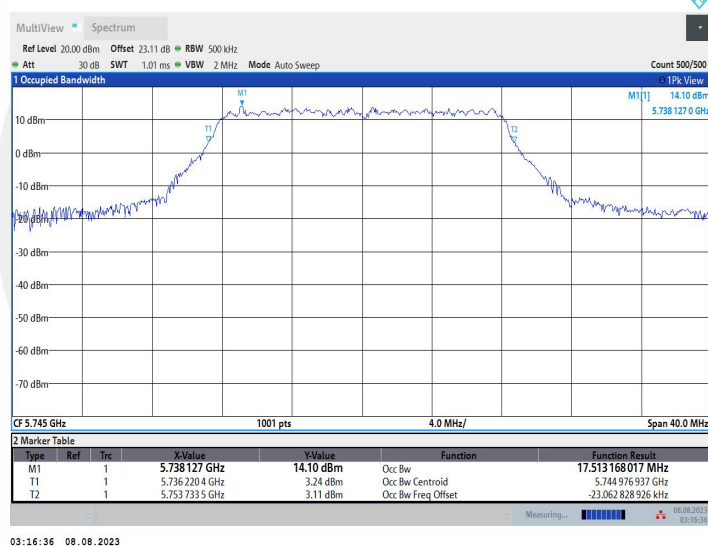
11A_Ant2_5240



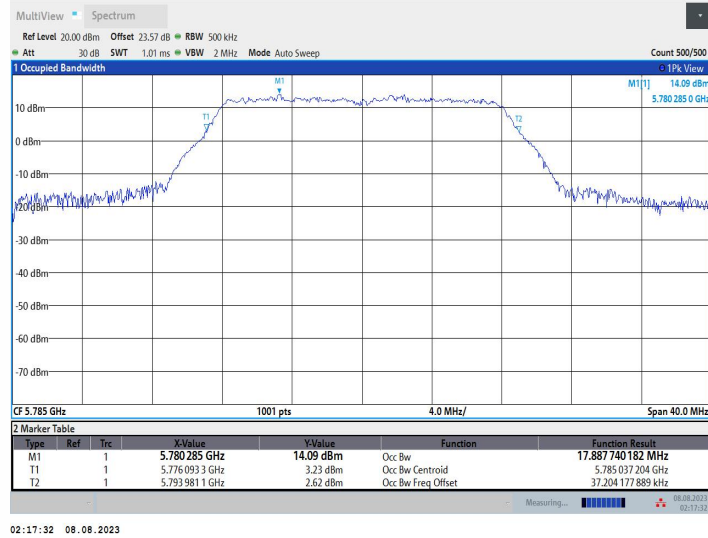
11A_Ant1_5745



11A_Ant2_5745

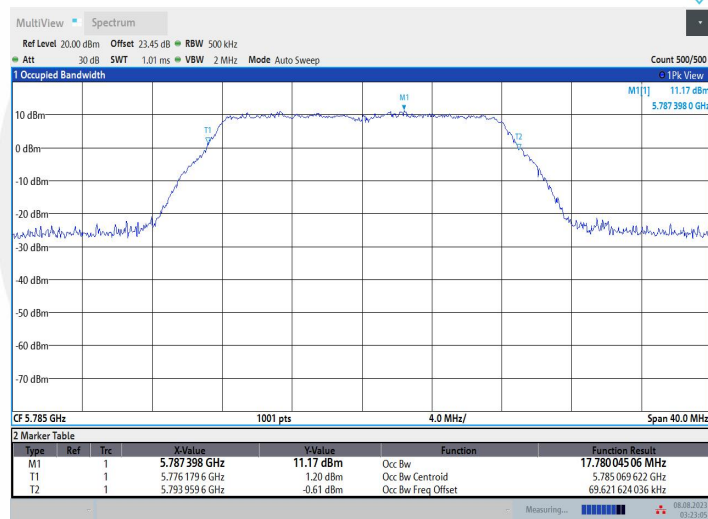


11A_Ant1_5785



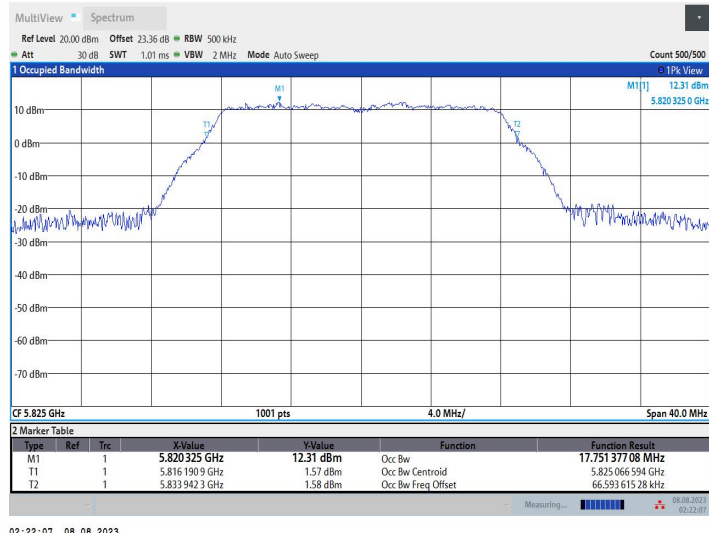
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11A_Ant2_5785



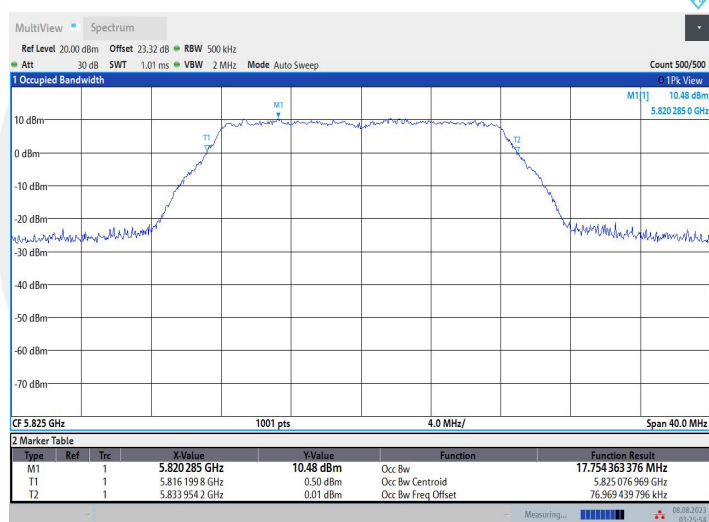
03:23:05 08.08.2023

11A_Ant1_5825



02:22:07 08.08.2023

11A_Ant2_5825



03:25:55 08.08.2023

11N20SISO_Ant1_5180