Product Name:	BT/BLE/WiFi 6 radio module
Brand Name:	SMART
Model No.:	SKI.WB800D.3
Series Model:	---
Applicant:	SMART TECHNOLOGIES ULC 3636 RESEARCH ROAD NW CALGARY, AB T2L 1Y1 CANADA
Date of Receipt:	Jul. 03, 2023
Finished date of Test:	Jul. 27, 2023
Applicable Standards:	FCC CFR Title 47, Part 15, Subpart E FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 FCC KDB 662911 D01 Multiple Transmitter Output v02r01 ANSI C63.10-2013

We, **Spectrum Research & Testing Laboratory Inc.**, hereby certify that one sample of the above was tested in our laboratory with positive results according to the above-mentioned standards. The records in the report are an accurate account of the results. Details of the results are given in the subsequent pages of this report.

Tested By : Jimmy Tseng , Date: Aug. 02, 2023

(Jimmy Tseng)

Approved By : , Date: 8/2/2023

(Johnson Ho, Director)

Revisions History

Report No.	Issue Date	Revisions
FCCA23070303-X0	Aug. 02, 2023	Initial issue

Table of Contents

1. DOCUMENT POLICY AND TEST STATEMENT

1.1 DOCUMENT POLICY

- The report shall not be reproduced except in full, without the written approval of SRT Lab, Inc.
- FCC Registered Test Site Number：TW1016

1.2 TEST STATEMENT

- The test results in the report apply only to the unit tested by SRT Lab.
- There was no deviation from the requirements of test standards during the test.
- DC power source from DC 5V.

1.3 EUT MODIFICATION

- No modification in SRT Lab.

1.4 DECISION RULE

- To make sure the testing report(s) meet the requirement of ISO/IEC 17025:2017 standard and meet chapter 7.1 (Review of Requests, Tenders and Contracts), chapter 7.4 (Handling of Test or Calibration Items), chapter 7.8.2 (Reporting of Results – Common Requirement for Reports (Test, Calibration or Sampling)), This decision rule will be the base of adjustment (include the disclaimer scope) from SRT LAB.
- After communicate between SRT LAB. and clients /applicants and get the agreement, SRT LAB. will do the adjustment. According to this decision rule, SRT LAB. Manager(s) will do the Pass or Fail adjustment. (But one thing need to be concerned is, not every assessing rule suits all declaration of conformity assessing actions, it should be ruled depends on product's feature, test standard, technical regulation, test results, and also acceptance of risk of both sides.)
- This report according to the "description of applied standards and statements of conformity" on the report, as the decision rule.

1.5 REPORTING STATEMENTS OF CONFORMITY

Base on ISO/IEC 17025, the statements of conformity requirement of testing results.

□ It does not need to provide the statements of conformity.

■ It need to provide the statements of conformity and

■ Use CISPR 16-4, ISO/IEC Guide 98-3, IEC Guide 115, ETSI ETR 028 speciation and it does not need to provide additional uncertainty of the testing results or data on the report(s).

□ It need to provide additional uncertainty of the testing results or data on the report(s).

2. DESCRIPTION OF EUT AND TEST MODE

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	BT/BLE/WiFi 6 radio module
MODEL NO.	SKI.WB800D.3
BRAND NAME	SMART
POWER SUPPLY	5Vdc 1A
CABLE	N/A
FREQUENCY BAND	5.15 GHz ~ 5.35 GHz, 5.725 ~ 5.85 GHz
CARRIER FREQUENCY	5.18 GHz ~ 5.35 GHz, 5.725 GHz ~ 5.825 GHz
NUMBER OF CHANNEL	802.11a/n - HT20/an HT40 802.11ac – VHT20/ac VHT40 802.11ax – HE20/ax HE40
RATED RF OUTPUT POWER (AVG)	11A Band 1 : 16.59 dBm = 39.81 mW Band 2 : 17.46 dBm = 50.11 mW Band 3 : 18.62 dBm = 63.09 mW Band 4 : 15.73dBm = 35.48 mW 11AC(20M) Band 1 : 16.01 dBm = 35.48 mW Band 2 : 16.25 dBm = 39.81 mW Band 3 : 18.55 dBm = 50.11 mW Band 4 : 15.2 dBm = 31.62 mW 11AC(40M) Band 1 : 16.15 dBm = 39.81 mW Band 2 : 16.44 dBm = 39.81 mW Band 3 : 18.34 dBm = 63.09 mW Band 4 : 14.35 dBm = 25.11 mW 11AX(20M) Band 1 : 15.57 dBm = 31.62 mW Band 2 : 15.96 dBm = 31.62 mW Band 3 : 18.61 dBm = 63.09 mW Band 4 : 15.15 dBm = 31.62 mW 11AX(40M) Band 1 : 16.12 dBm = 39.81 mW Band 2 : 16.45 dBm = 39.81 mW Band 3 : 18.47 dBm = 63.09 mW Band 4 : 14.83 dBm = 28.18 mW
MODULATION TYPE	IEEE802.11A：OFDM (BPSK / 16-QAM / 64-QAM) IEEE802.11AC：SISO-OFDM (256-QAM, rate 3/4 and 5/6)

	IEEE802.11AX：SISO-OFDM (1024-QAM)
MODE OF OPERATION	Duplex
BIT RATE OF TRANSMITTER	802.11A：6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11AC~VHT20：MCS0 ~ MCS7 (Max. 100 Mbps) 802.11AC - VHT40：MCS0 ~ MCS7 (Max. 200 Mbps) 802.11AX - HE20：MCS0 ~ MCS7 (Max. 143 Mbps) 802.11AX - HE40：MCS0 ~ MCS7 (Max. 287 Mbps)
ANTENNA TYPE	Dipole Antenna
ANTENNA GAIN	3.09 dBi
OPERATING TEMPERATURE RANGE	-20 ~ 55°C

NOTE: For more detailed information, please refer to the EUT's specification or user's manual provided by manufacturer.

2.2 DESCRIPTION OF EUT INTERNAL DEVICE

DEVICE	BRAND / MAKER	MODEL #	FCC ID / DOC	REMARK
RF IC	AICSEMI	AIC8800D	N/A	WIFI 6 BT5.0 Moudle
XTLA	N/A	M26.00	N/A	26MHz XTAL
Front end IC	CHIPBETTER	CB5717	N/A	WIFI 6 5G Front-end Module
Antenna	HONGFUTAI	Dipole	N/A	5G paek Gain 3.09dbi 602-0015-065-A
Antenna	Megahertz	Dipole	N/A	5G paek Gain 2.95dbi 6150-000000-36000001
Antenna	Megahertz	Dipole	N/A	5G paek Gain 2.61dbi 6150-015600-36000001

2.3 DESCRIPTION OF TEST MODE

The EUT use the software in TX test mode is “SecureCRTPortable”.

After pre-test in chamber and evaluate:

1. GFSK was the worst modulation, so use of GFSK for the final test mode.
2. Choose lowest, middle and highest channels for final test.
3. Three axix (X, Y and Z axis) are evaluated in chamber, the X axis is the worst in test.

Test mode			Channel	Frequency(MHz)	Power Setting
1	802-11A	Band 1	CH036	5180	11
2			CH040	5200	11
3			CH048	5240	11
4		Band 2	CH052	5260	11
5			CH060	5300	11
6			CH064	5320	11
7		Band 3	CH100	5500	11
8			CH116	5580	11
9			CH140	5700	11
10		Band 4	CH149	5745	11
11			CH157	5785	11
12			CH165	5825	11
13	802-11AC20	Band 1	CH036	5180	11
14			CH044	5200	11
15			CH048	5240	11
16		Band 2	CH052	5260	11
17			CH060	5300	11
18			CH064	5320	11
19		Band 3	CH100	5500	11
20			CH116	5580	11
21			CH140	5700	11
22		Band 4	CH149	5745	11
23			CH157	5785	11
24			CH165	5825	11
25	802-11AC40	Band 1	CH038	5190	11
26			CH046	5230	11
27		Band 2	CH054	5270	11
28			CH062	5310	10

Test mode			Channel	Frequency(MHz)	Power Setting
29		Band 3	CH110	5550	10
30			CH134	5670	11
31		Band 4	CH151	5755	11
32			CH159	5795	11
33	802-11AX20	Band 1	CH036	5180	11
34			CH044	5200	11
35			CH048	5240	11
36		Band 2	CH052	5260	11
37			CH060	5300	11
38			CH064	5320	11
39		Band 3	CH100	5500	11
40			CH116	5580	11
41			CH140	5700	11
42		Band 4	CH149	5745	11
43			CH157	5785	11
44			CH165	5825	11
45	802-11AX40	Band 1	CH038	5190	11
46			CH046	5230	11
47		Band 2	CH054	5270	11
48			CH062	5310	10
49		Band 3	CH110	5550	10
50			CH134	5670	11
51		Band 4	CH151	5755	11
52			CH159	5795	11

NOTE:
1. Below 1 GHz were pre-tested in chamber and chosen the worst case for conducted and radiated emission test.
2. Above 1 GHz were tested individually.

2.4 EUT OPERATING CONDITION

1. Setup the EUT and all peripheral devices.
2. Turn on the power of all equipment and EUT.
3. Based on customer provided continuous program & Program instructions.
4. Set the EUT under continuous transmission mode.

2.5 DESCRIPTION OF SUPPORT UNIT

The EUT was configured by the requirement of ANSI C63.4: 2014. All interface ports were connected to the appropriate support units via specific cables. The support units and cables are listed below.

NO	DEVICE	BRAND	MODEL #	FCC ID/DOC	CABLE
1	PC	ASUS	M32AA1	DoC	1.8m unshielded power cable.
2	LCD Monitor	DELL	U2311Hb	DoC	1.8m unshielded power cable. 1.5m shielded data cable.
3	Mouse	ASUS	MOBTUO	DoC	1.5m unshielded data cable.
4	Keyboard	ASUS	AW211	DoC	1.5m unshielded data cable
5	Printer	HP	C8995A	DoC	1.5m unshielded power cable. 1.5m shielded data cable.
6	USB 2.0 HDD	Terasys	F-12U	DoC	1.5m shielded data cable.
7	USB Transfer board	SMART	USB TO TTL	NA	NA

NOTE: For the actual test configuration, please refer to the photos of testing.

2.6 CHANNEL AND FREQUENCY TABLE

5.1G_802.11a/n - HT20/ac - HT20			
Channel	**Frequency**	**Channel**	**Frequency**
CH36	5180 MHz	CH44	5220 MHz
CH40	5200 MHz	CH48	5240 MHz

5.1G_802.11n - HT40/ac - HT40			
Channel	**Frequency**	**Channel**	**Frequency**
CH38	5190 MHz	CH46	5230 MHz

5.1G_802.11ac - HT80			
Channel	**Frequency**	**Channel**	**Frequency**
CH42	5210 MHz	--	--

5.8G_802.11a/n - HT20/ac - HT20			
Channel	**Frequency**	**Channel**	**Frequency**
CH149	5745 MHz	CH161	5805 MHz
CH153	5765 MHz	CH165	5825 MHz
CH157	5785 MHz	--	--

5.8G_802.11n - HT40/ac - HT40			
Channel	**Frequency**	**Channel**	**Frequency**
CH151	5755 MHz	CH159	5795 MHz

5.8G_802.11ac - HT80			
Channel	**Frequency**	**Channel**	**Frequency**
CH155	5775 MHz	--	--

3. DESCRIPTION OF APPLIED STANDARDS

The EUT is a wireless product. According to the specifications provided by the applicant, it must comply with the requirements of the following standards:

- FCC CFR Title 47, Part 15, Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01
- ANSI C63.10-2013

All tests have been performed and recorded as the above standards.

3.1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

STANDARD SECTION	TEST TYPE AND LIMIT RESULTS	RESULTS
15.207 15.407(b)	AC Power Line Conducted Emissions	PASS
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	PASS
15.407(a) 15.407(e)	Bandwidth	PASS
15.407(a)	Maximum Output Power	PASS
15.407(a)	Power Spectral Density	PASS
15.407(g) Note 1	Frequency Stability	PASS
15.203	Antenna Requirements	PASS
15.407(c) Note 2	Automatically Discontinue Transmission	PASS

Note:

1. The item is declared by the manufacturer
2. During no any information transmission, The EUT can Automatically Discontinue Transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or Discontinue Transmission.

4. TECHNICAL CHARACTERISTICS TEST

4.1 CONDUCTED EMISSION TEST

4.1.1 LIMIT

Frequency (MHz)	Class A (dBµV)		Class B (dBµV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	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 0.50 MHz.

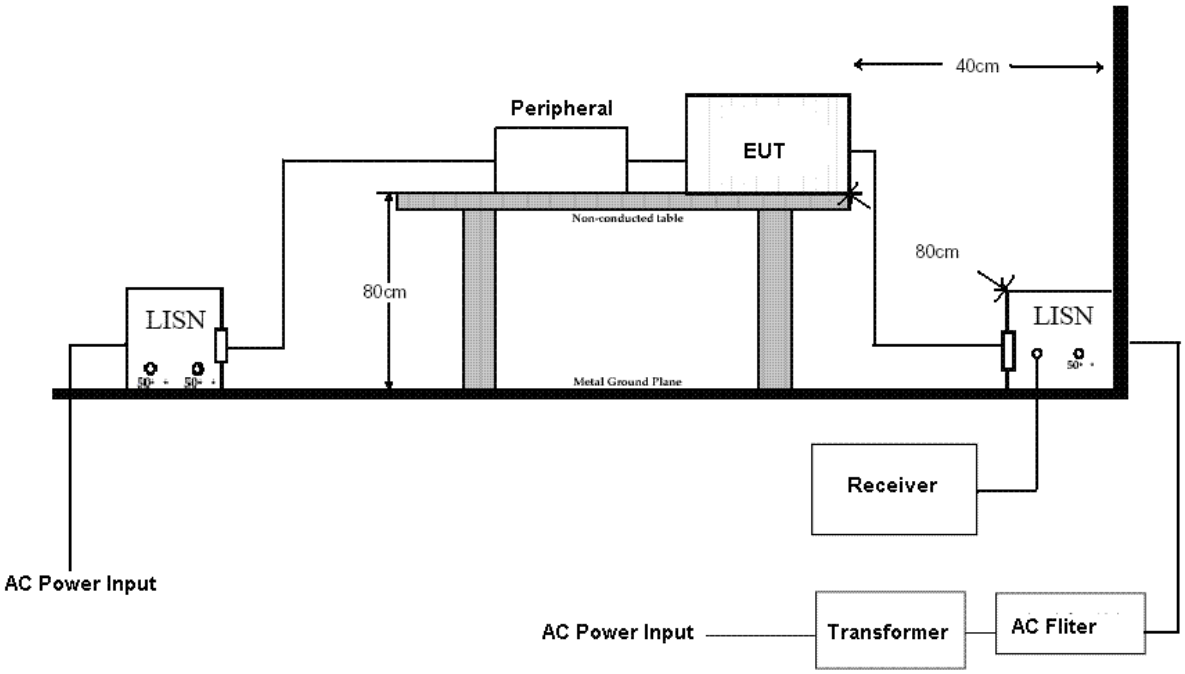
4.1.2 TEST EQUIPMENT

The following test equipment was used for the test:

Equipment/ Facilities	Specifications	Manufacturer	Model #/ Serial #	Due Date of Cal. & Cal. Center
EMI TEST RECEIVER	9 kHz ~ 2.75 GHz	ROHDE & SCHWARZ	ESCS30 / 100376	APR. 26, 2024 ETC
LISN	50 µH, 50 ohm	SOLAR	9252-50-R-24-BNC / 951315	FEB. 22, 2024 ETC
LISN	50 µH, 50 ohm	SCHWARZBECK	NSLK 8127/ 8127-808	MAR. 08, 2024 ETC
50Ω BNC TYPE TERMINATOR	50 ohm	N/A	11593A/ L1TEQU005	FEB. 14, 2024 ETC
50Ω BNC TYPE TERMINATOR	50 ohm	N/A	B00-CD-357 / L1TEQU009	JUL. 14, 2024 ETC
COAXIAL CABLE	5 m	HUBER+ SUHNER	RG214/U(5m) / L1TCAB013	JUN. 23, 2024 ETC
FILTER	2 LINE, 30 A	FIL.COIL	FC-943 / 771	NCR
GROUND PLANE	2 m (H) x 3 m (W)	SRT	N/A	NCR
GROUND PLANE	2.5 m (H) x 3 m (W)	SRT	N/A	NCR
PULSE LIMITER	9 kHz ~ 30 MHz Insertion Loss= 10dB±0.3dB	ROHDE & SCHWARZ	ESH3-Z2 / L1TTES010	FEB. 16, 2024 ETC
THERMO-HYGRO	15 – 40 °C,	TOP	20-A / 6644	MAR. 01, 2024 ETC
MEASUREMENT SOFTEARE	N/A	EZ-EMC	SRT-03A1	NCR

NOTE: The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

4.1.3 TEST SETUP



NOTE:
1. The EUT was put on a wooden table with 0.8m heights above ground plane, and 0.4m away from reference ground plane (> 2mx2m).
2. For the actual test configuration, please refer to the photos of testing.

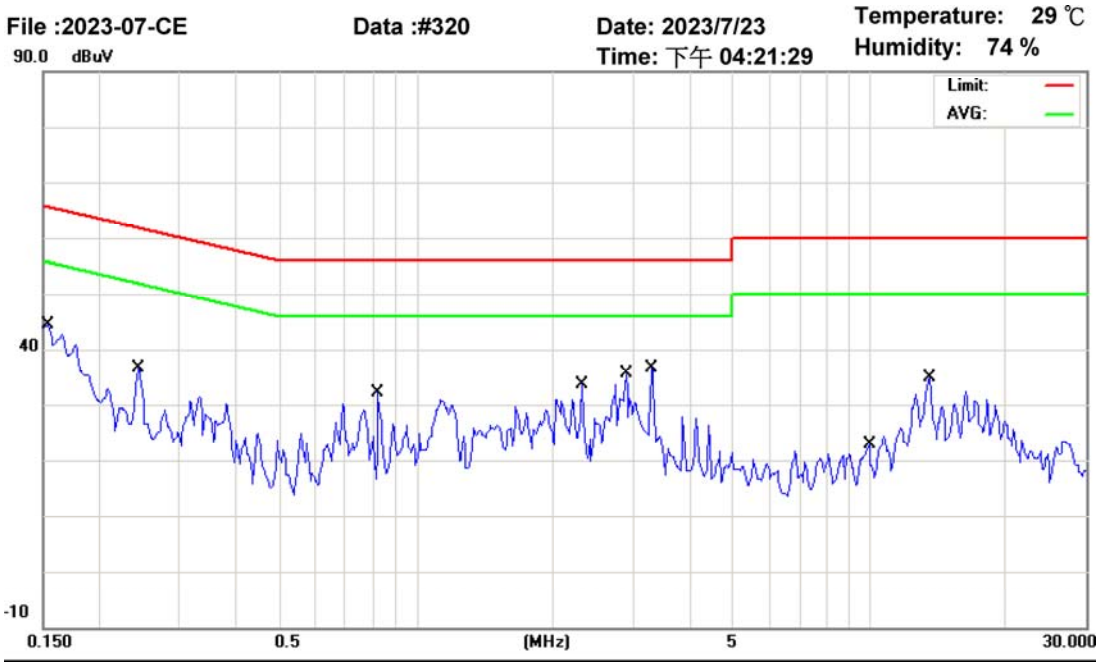
4.1.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.4: 2014 and CISPR22:2003. The frequency spectrum from 0.15 MHz to 30 MHz was investigated. The LISN used was 50 ohm/50μH as specified. All readings were quasi-peak and average values with 10 kHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. Both lines of the power mains of EUT were measured and the cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.

4.1.5 TEST RESULT

Temperature:	29 °C	Humidity:	74 %RH
Frequency Range:	0.15 - 30 MHz	Tested Mode:	Wi-Fi 5G Link
Receiver Detector:	Q.P. and AV.	Tested By:	Jimmy Tseng

Power Line Measured：Line

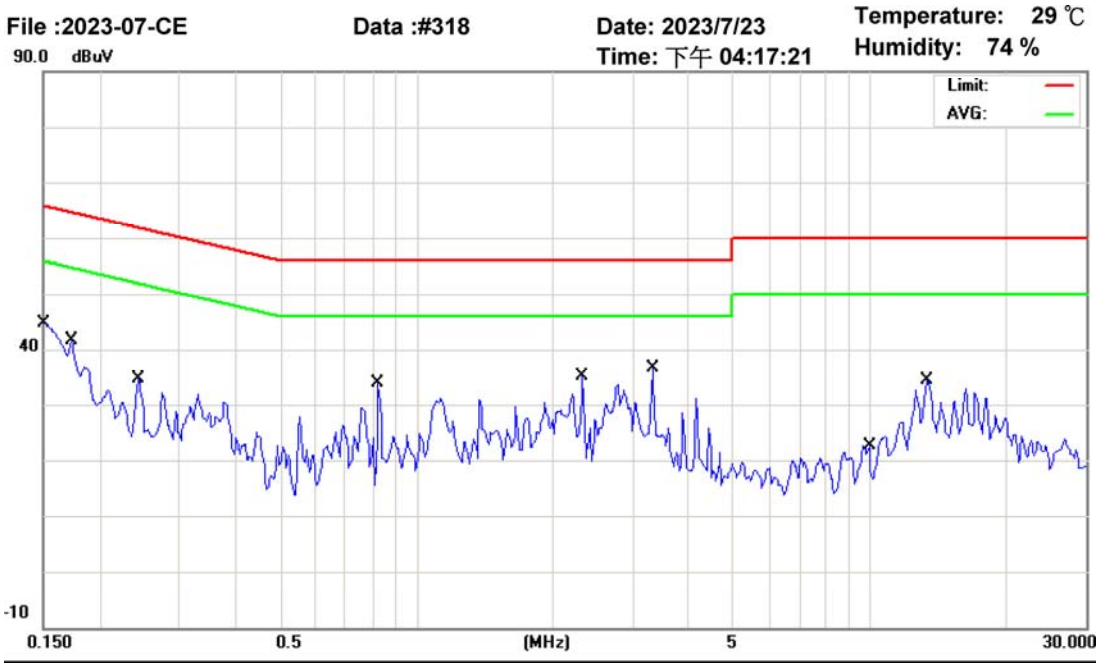


Mk.	No.	Frequency (MHz)	Reading (dBuV)	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
	1	0.1539	36.08	-0.04	36.04	65.79	-29.75	QP	
	2	0.1539	11.87	-0.04	11.83	55.79	-43.96	AVG	
	3	0.2437	35.13	-0.04	35.09	61.97	-26.88	QP	
	4	0.2437	34.94	-0.04	34.90	51.97	-17.07	AVG	
	5	0.8258	29.38	-0.03	29.35	56.00	-26.65	QP	
	6	0.8258	25.99	-0.03	25.96	46.00	-20.04	AVG	
	7	2.3180	25.13	0.02	25.15	56.00	-30.85	QP	
	8	2.3180	8.58	0.02	8.60	46.00	-37.40	AVG	
	9	2.9000	21.18	0.05	21.23	56.00	-34.77	QP	
	10	2.9000	10.21	0.05	10.26	46.00	-35.74	AVG	
	11	3.3086	35.73	0.06	35.79	56.00	-20.21	QP	
*	12	3.3086	34.33	0.06	34.39	46.00	-11.61	AVG	
	13	10.0000	12.29	0.28	12.57	60.00	-47.43	QP	
	14	10.0000	7.39	0.28	7.67	50.00	-42.33	AVG	
	15	13.5547	30.99	0.34	31.33	60.00	-28.67	QP	
	16	13.5547	23.09	0.34	23.43	50.00	-26.57	AVG	

NOTE: 1. Measurement uncertainty is 2.92 dB
2. Emission level = Reading valus + Correction factor
3. Correction Factor = Cable loss + Insertion loss of LISN
Difference of Pulse Limiter Factor between EMI Test Receiver corrected 10dB insertion loss.
4. Margin value = Emission level - Limit
5. The emission of other frequencies was very low against the limit.
6. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.

Temperature:	29 °C	Humidity:	74 %RH
Frequency Range:	0.15 - 30 MHz	Tested Mode:	Wi-Fi 5G Link
Receiver Detector:	Q.P. and AV.	Tested By:	Jimmy Tseng

Power Line Measured：Neutral



Mk.	No.	Frequency (MHz)	Reading (dBuV)	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
	1	0.1500	37.67	-0.09	37.58	66.00	-28.42	QP	
	2	0.1500	20.85	-0.09	20.76	56.00	-35.24	AVG	
	3	0.1734	34.35	-0.08	34.27	64.80	-30.53	QP	
	4	0.1734	33.45	-0.08	33.37	54.80	-21.43	AVG	
	5	0.2437	32.33	-0.08	32.25	61.97	-29.72	QP	
	6	0.2437	31.82	-0.08	31.74	51.97	-20.23	AVG	
	7	0.8258	31.13	-0.06	31.07	56.00	-24.93	QP	
	8	0.8258	29.00	-0.06	28.94	46.00	-17.06	AVG	
	9	2.3219	23.86	-0.01	23.85	56.00	-32.15	QP	
	10	2.3219	8.33	-0.01	8.32	46.00	-37.68	AVG	
	11	3.3125	35.73	0.03	35.76	56.00	-20.24	QP	
*	12	3.3125	35.07	0.03	35.10	46.00	-10.90	AVG	
	13	10.0000	12.59	0.25	12.84	60.00	-47.16	QP	
	14	10.0000	7.49	0.25	7.74	50.00	-42.26	AVG	
	15	13.3750	30.96	0.30	31.26	60.00	-28.74	QP	
	16	13.3750	22.93	0.30	23.23	50.00	-26.77	AVG	

NOTE: 1. Measurement uncertainty is 2.92 dB
2. Emission level = Reading valus + Correction factor
3. Correction Factor = Cable loss + Insertion loss of LISN
Difference of Pulse Limiter Factor between EMI Test Receiver corrected 10dB insertion loss.
4. Margin value = Emission level - Limit
5. The emission of other frequencies was very low against the limit.
6. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.

4.2 RADIATED EMISSION TEST

4.2.1 LIMIT

FCC Part15, Subpart C Section 15.209 limit of radiated emission for frequency below1000MHz. The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

FREQUENCY (MHz)	FIELD STRENGTH (microvolts/meter)	DISTANCE (m)	FIELD STRENGTH (dBµV/m)
0.009 - 0.490	2400/F(kHz)	300	67.6-20log(kHz)
0.490 - 1.705	24000/F(kHz)	30	87.6-20log(kHz)
1.705 - 30	30	30	30
30 - 80	100	3	40.0
88 - 216	150	3	43.5
216 - 960	200	3	46.0
Above 960	500	3	54.0

NOTE:

1. 30 dBuV (in 30m) = 70 dBuV (in 3m).
2. In the emission tables above , the tighter limit applies at the band edges.
3. Distance refers to the distance between measuring instrument, antemma, and the closest point of any part of the device or system.

FCC Part 15, Section15.35(b) limit of radiated emission for frequency above 1000 MHz

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80.0	60.0	74.0	54.0

4.2.2 TEST EQUIPMENT

Below 1 GHz The following test equipment was used during the radiated emission test:

Equipment/ Facilities	Specifications	Manufacturer	Model #/ Serial #	Due Date of Cal. & Cal. Center
EMI Test Receiver	9 kHz ~ 2.75 GHz	ROHDE & SCHWARZ	ESCS30 / 100376	APR. 26, 2024 ETC
Biconical Antenna	30 MHz ~ 200 MHz	EMCO	3108 / 2380	MAY. 01, 2024 ETC
LOOP ANTENNA	9 kHz ~ 30 MHz	ROHDE & SCHWARZ	HFH2-Z2 / 860605/002	JUL. 19, 2024 ETC
Log Periodic Antenna	200 MHz ~ 1 GHz	EMCO	3146 / 9002-2686	MAY. 01, 2024 ETC
Open Area Test Site	3 ~ 10 M Measurement	SRT	A02 / SRT002	MAR. 07, 2024 SRT
Coaxial Cable	9 kHz ~ 1 GHz	TIMES	LMR-400(30m) / L1TCAB014	Jul. 06, 2024 ETC
Coaxial Cable	9 kHz ~ 1 GHz	Time	LMR-400 (#2m) / L1TCAB012	MAR. 20, 2024 ETC
Filter	2 LINE, 30 A	FIL.COIL	FC-943 / 869	NCR
Pre-Amplifier	0.1 MHz ~ 1.3 GHz	HP	8447D / 2944A06746	APR. 19, 2024 ETC
Thermo-Hygro	15 ~ 40 °C, 0 ~ 100% RH	TOP	20-A / 9326	MAR. 26, 2024 ETC

Above 1 GHz The following test equipment was used during the radiated emission test:

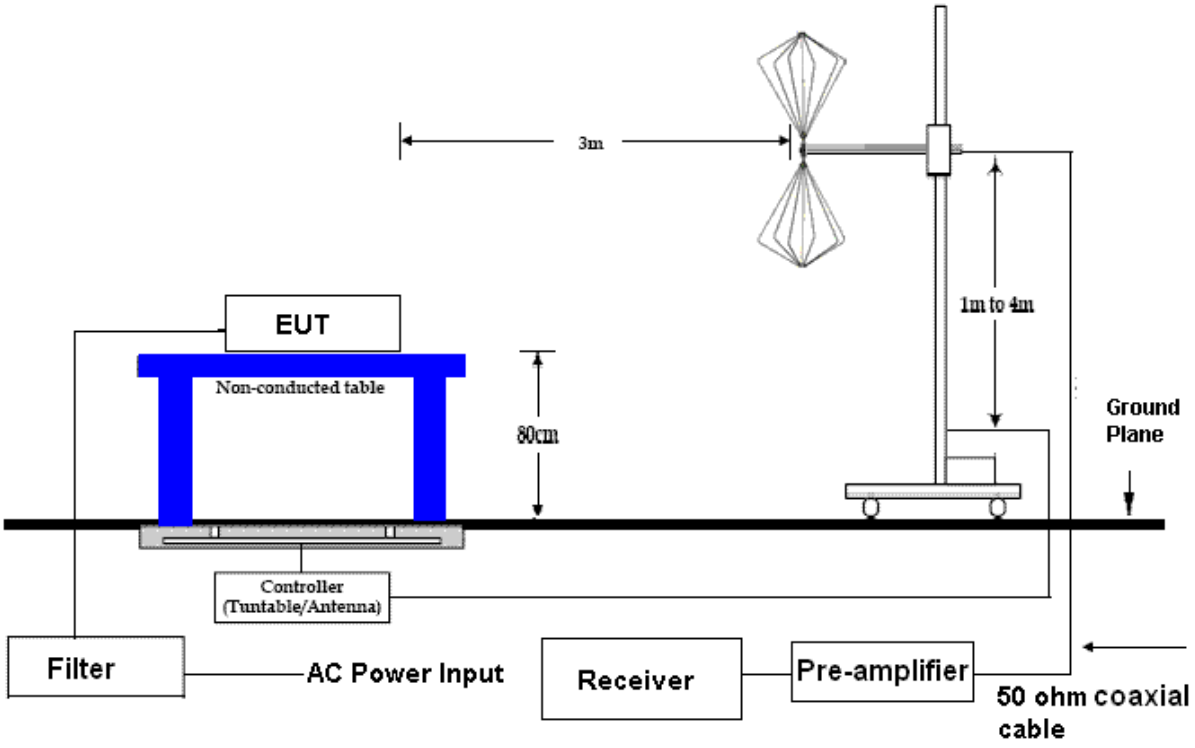
Equipment/ Facilities	Specifications	Manufacturer	Model #/ Serial #	Due Date of Cal. & Cal. Center
EXA Signal Analyzer	10Hz ~ 44 GHz	KEYSIGHT	N9010A / MY56480554	NOV. 22, 2023 ETC
Pre-Amplifier	1 GHz ~ 26.5 GHz	AGILENT	8449B / 3008A01995	MAR. 06, 2024 ETC
Horn Antenna	1 GHz ~ 18 GHz	EMCO	3115 / 9602-4681	FEB. 23, 2024 ETC
Horn Antenna	18 ~ 40 GHZ	ETS-LINDGREN	3116 / 2567	MAY.13, 2024 ETC
Anechoic Chamber	3 M Measurement	SRT	A01 / SRT001	JUN. 22, 2024 SRT
RF Cable	Up to 18 GHz 6 m*2	EMCI	EMC107-SM-6000 / 230726	JUN. 14, 2024 ETC
RF Cable	Up to 18 GHz 1.5 m	JYEBAO	A30A30-L 142 / EQF-0035(001)	FEB. 16, 2024 ETC
K-Type Cable	Up tp 40 GHz 3 m	HUBER+ SUHNER	SF102-46/2*11SK252 / MY2611/2	APR. 24, 2024 ETC
K-Type Cable	Up to 40 GHz, 1 m	HUBER+ SUHNER	SF102/2*11SK252 / MY3331/2	FEB. 13, 2024 ETC
Filter	2 Line, 30 A	FIL.COIL	FC-943 / 869	NCR
Thermo-Hygro	15 ~ 40 °C, 0 ~ 100% RH	TOP	20-A / 6644	MAR. 01,2024 ETC
Measurement Software	N/A	EZ-EMC	SRT-03A1	NCR

Notch filter	NF5150-5350MH	EMCI	NF5150-5350	Dec.8.2023
Notch filter	NF5470-5725MH	EMCI	NF5470-5725	Dec.8.2023
Notch filter	NF5725-5825MH	EMCI	NF5725-5825	Dec.8.2023

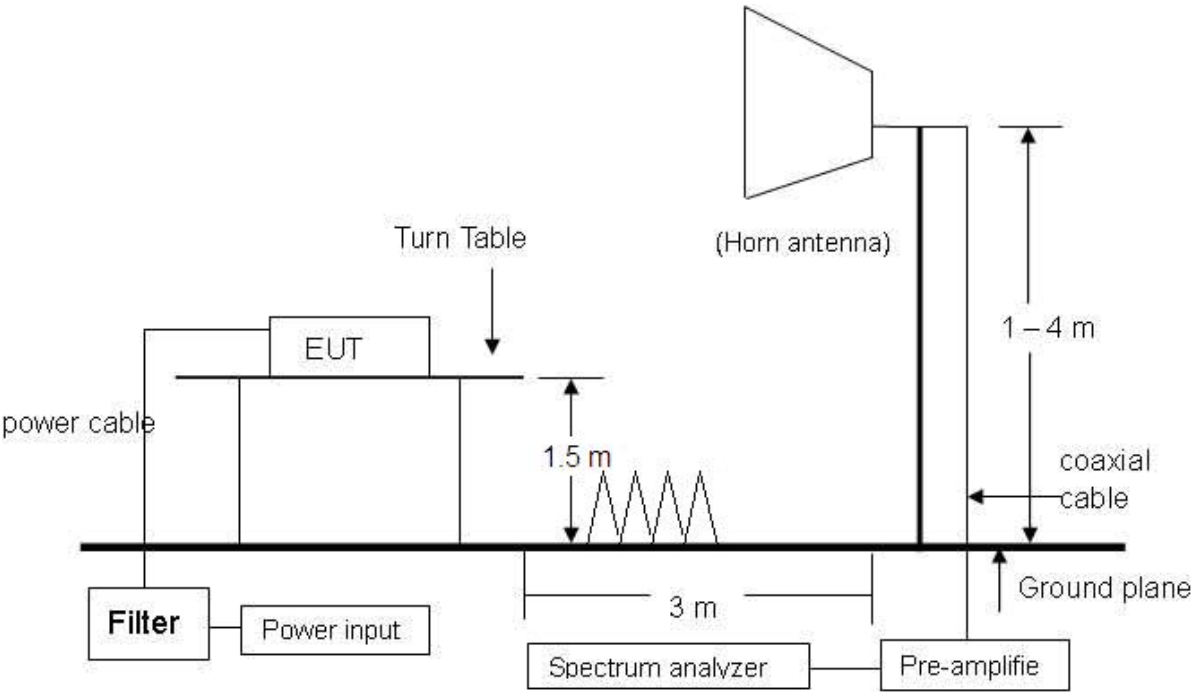
NOTE: The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

4.2.3 TEST SET-UP

30 MHz ~ 1 GHz



Above 1 GHz



NOTE: The EUT system was put on a Styrofoam table with 1.5m heights above a ground plane. For the actual test configuration, please refer to the photos of testing.

4.2.4 TEST PROCEDURE

The EUT was tested according to the requirement of ANSI C63.4: 2014 and CISPR 22:2003. The measurements were made at an open area test site with 3 meter measurement distance under 1 GHz and with 3m distance above 1GHz. The frequency spectrum measured started from 30 MHz to 1 GHz, all readings were quasi-peak values with 120 kHz resolution bandwidth of the test receiver. Above 1 GHz, the measurements were made at an open area test site with 3 meter measurement distance and all readings were peak or average values with 1 MHz resolution bandwidth of the test receiver. The EUT system was operated in all typical methods by users. The cables connected to EUT and support units were moved to find the maximum emission levels for each frequency. First, find the margin or higher points at least 6 points by software, then use manual to find the maximum data. The procedure is referred on the test procedure of SRT LAB.

4.2.5 TEST RESULT

Temperature:	29 °C	Humidity:	76 %RH
Frequency Range:	30 M – 1 GHz	Tested Mode:	Wi-Fi 5G+BT Link
Detector Type:	Quasi-peak	IF Bandwidth:	120 kHz
Tested By:	Jimmy Tseng	Tested Date:	Jul. 24, 2023

Antenna Polarization：Horizontal

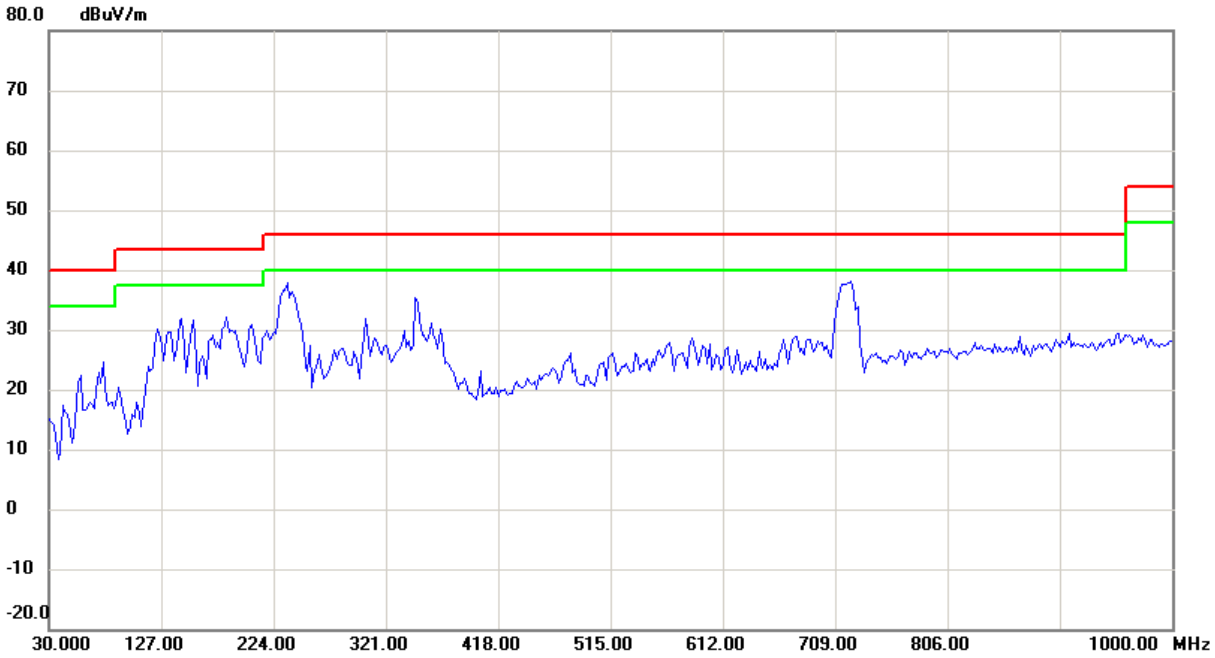
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	AZ (°)	EL (m)
76.56	2.30	8.60	42.89	25.64	40.0	-14.36	273	3.86
123.12	2.88	11.70	51.33	37.95	43.5	-5.55	53	3.71
204.60	3.58	12.10	47.73	35.84	43.5	-7.66	231	3.46
235.64	3.93	12.70	55.82	44.97	46.0	-1.03	118	3.36
346.22	5.04	15.40	45.55	38.39	46.0	-7.61	122	3.02
722.58	8.31	21.58	40.86	42.40	46.0	-3.61	342	1.86

Antenna Polarization：Vertical

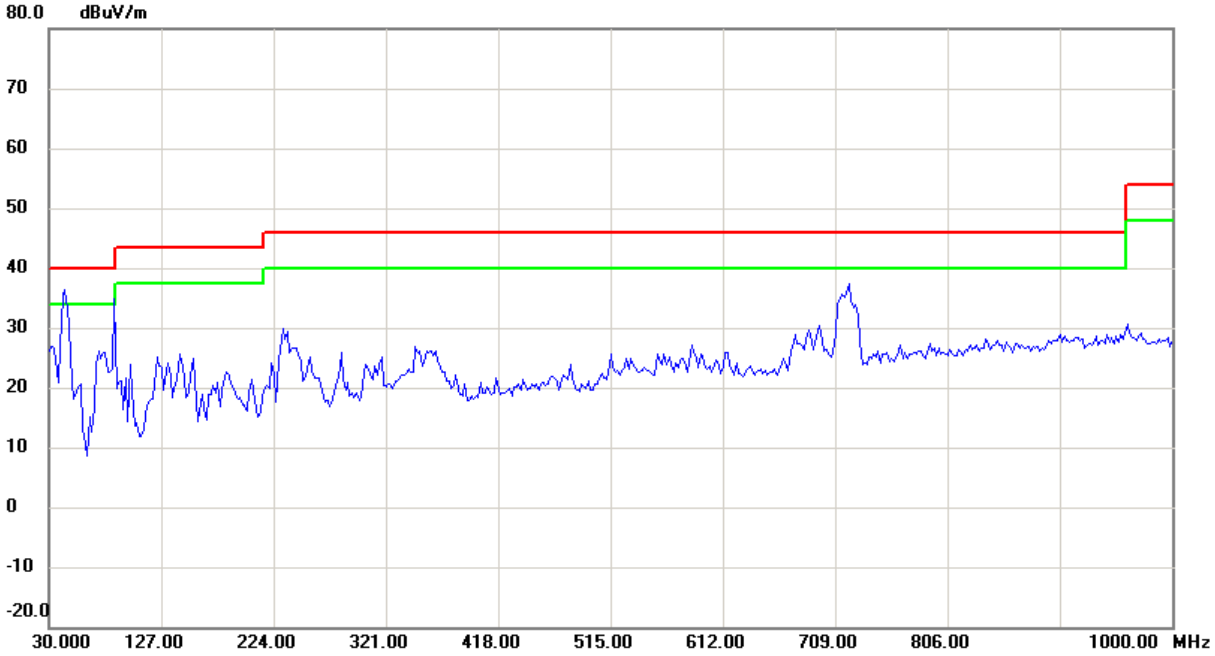
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	AZ (°)	EL (m)
86.26	2.45	7.90	49.62	35.96	40.0	-4.04	253	1.04
142.52	2.98	12.40	51.31	33.55	40.0	-6.45	244	1.17
231.76	3.87	12.62	45.40	32.91	43.5	-10.59	73	1.35
695.42	8.04	21.30	48.45	37.45	46.0	-8.55	278	1.62
720.64	8.29	21.50	33.93	34.86	46.0	-11.14	132	3.06
86.26	2.45	7.90	39.91	41.34	46.0	-4.66	92	3.14

NOTE:
1. Measurement uncertainty is 4.20 dB.
2. "*": Measurement does not apply for this frequency.
3. Emissiom Level = Reading Value + Ant. Factor + Cable Loss – Pre-Amplifier.
4. The field strength of other emission frequencies were very low against the limit.

Antenna Polarization：Horizontal



Antenna Polarization：Vertical



Temperature:	31 °C	Humidity:	74 %RH
Frequency Range:	30 M – 1 GHz	Tested Mode:	WIFI 5G STANDBY
Detector Type:	Quasi-peak	IF Bandwidth:	120 kHz
Tested By:	Jimmy Tseng	Tested Date:	Jul. 24, 2023

Antenna Polarization：Horizontal

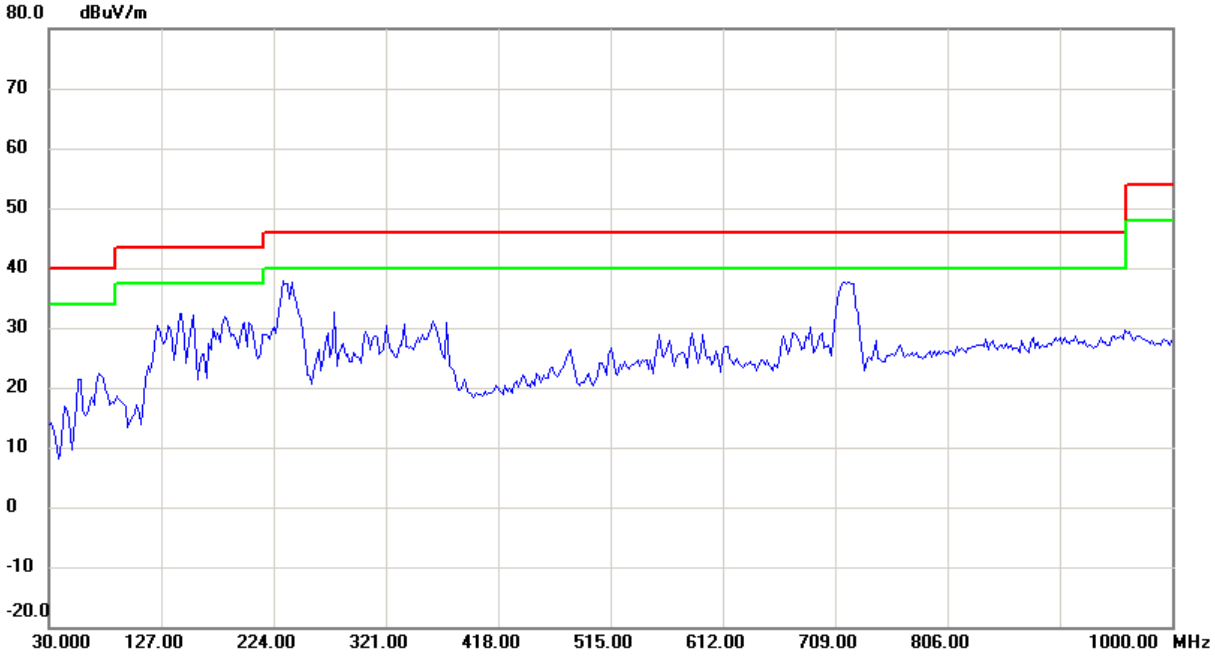
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	AZ (°)	EL (m)
123.12	2.88	11.70	49.75	36.37	43.5	-7.13	92	3.71
154.16	3.05	12.50	49.36	37.11	43.5	-6.39	344	3.62
181.32	3.31	13.00	49.00	37.64	43.5	-5.86	280	3.53
231.76	3.87	12.62	41.76	30.76	46.0	-15.24	30	3.38
373.38	5.27	15.96	40.90	34.35	46.0	-11.65	80	2.94
716.76	8.25	21.50	38.62	40.00	46.0	-6.00	336	1.87

Antenna Polarization：Vertical

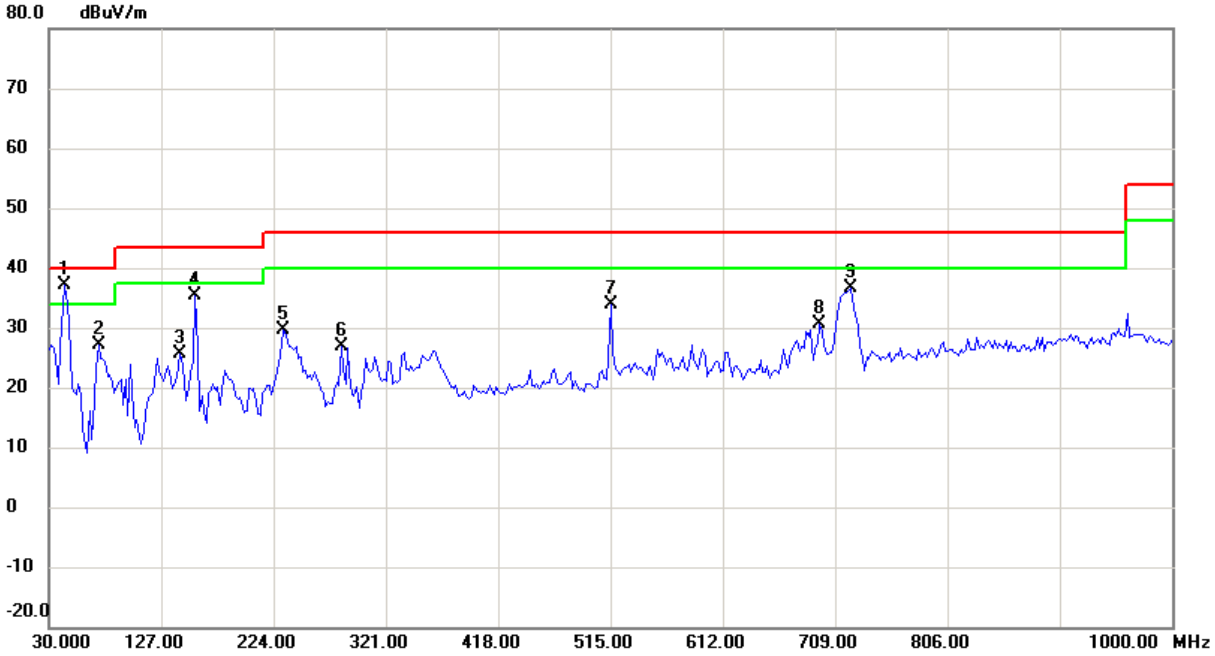
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Reading Data (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	AZ (°)	EL (m)
43.58	2.01	12.60	47.62	33.96	40.0	-6.04	352	1.04
72.68	2.24	9.00	46.99	30.07	40.0	-9.93	113	1.13
156.10	3.07	12.50	44.39	32.17	43.5	-11.33	221	1.39
515.00	6.50	18.90	40.88	37.81	46.0	-8.19	286	2.50
695.42	8.04	21.30	33.95	34.88	46.0	-11.12	64	3.06
722.58	8.31	21.58	37.15	38.69	46.0	-7.32	39	3.14

NOTE:
1. Measurement uncertainty is 4.20 dB.
2. "*": Measurement does not apply for this frequency.
3. Emissiom Level = Reading Value + Ant. Factor + Cable Loss – Pre-Amplifier.
4. The field strength of other emission frequencies were very low against the limit.

Antenna Polarization：Horizontal

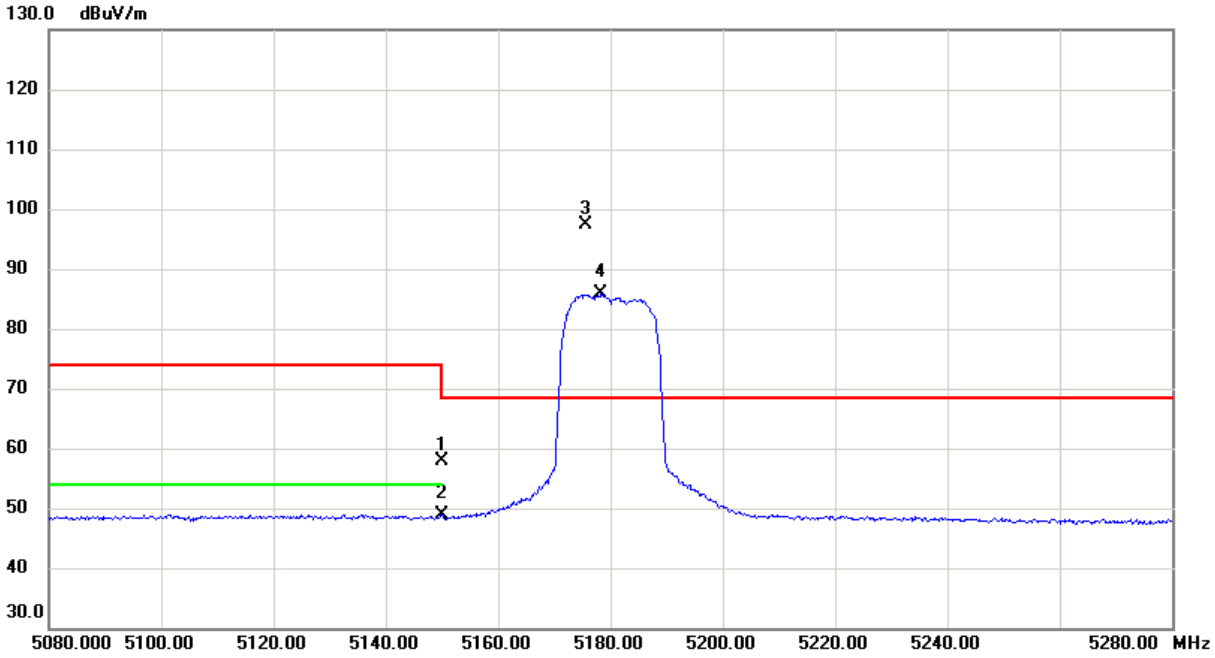


Antenna Polarization：Vertical

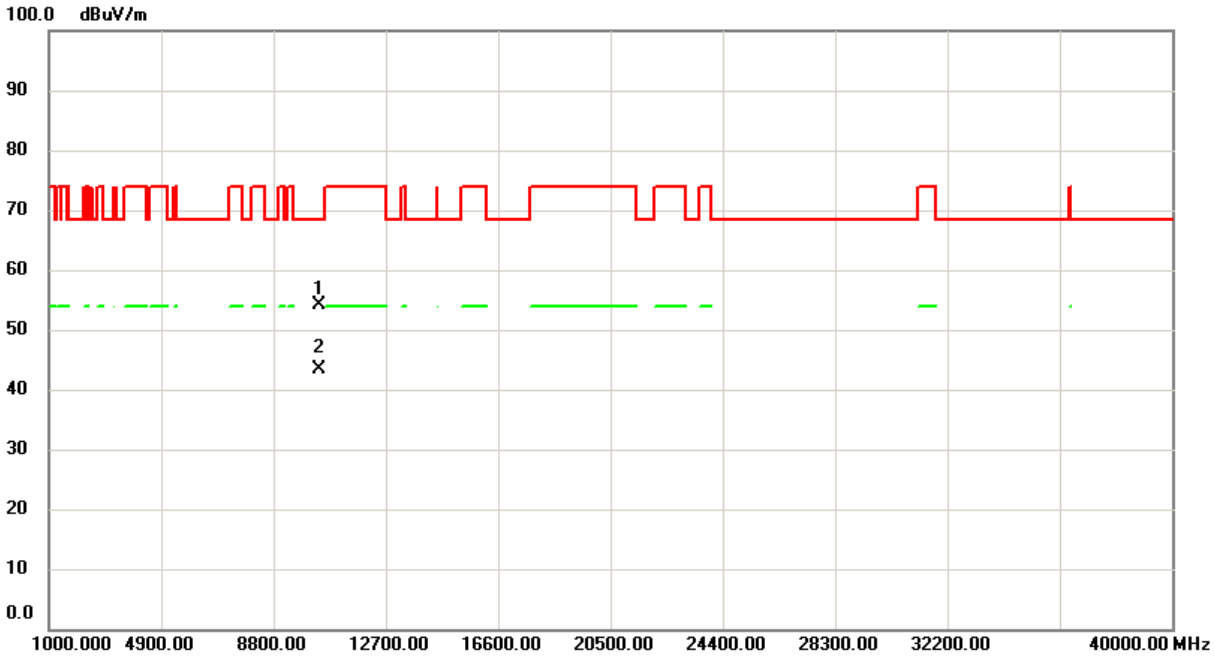


Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 - 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5180 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

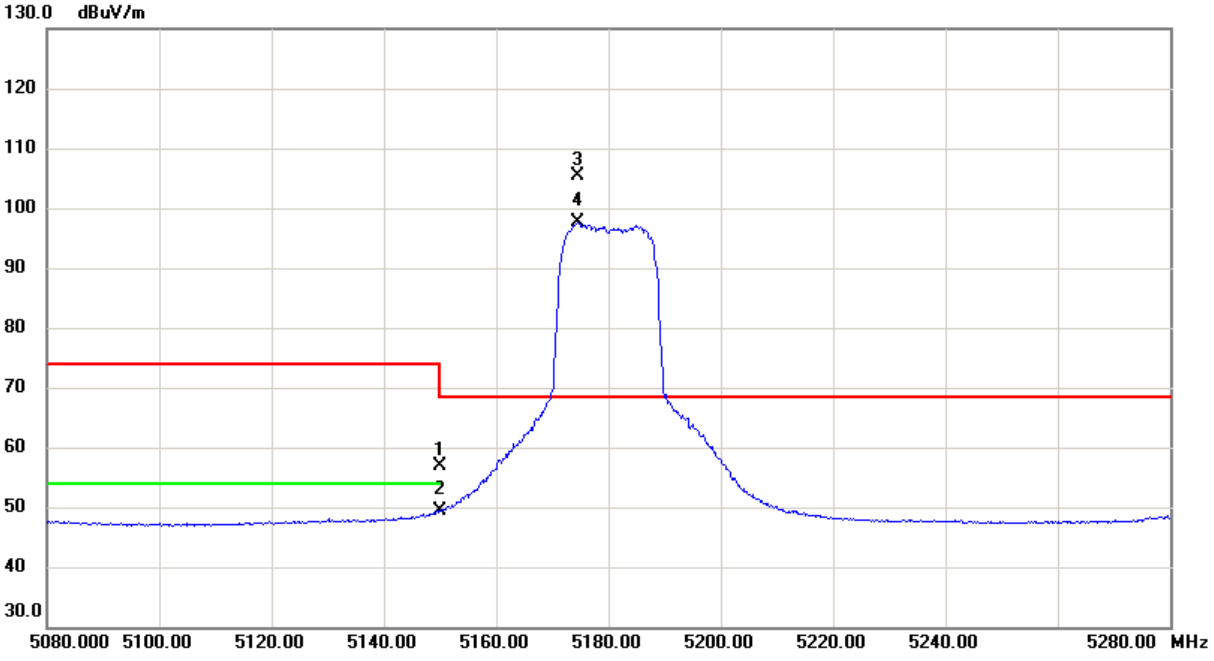


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	40.77	17.21	57.98	74.00	-16.02	peak	
2	5150.000	31.56	17.21	48.77	54.00	-5.23	AVG	
3	* 5175.600	80.09	17.32	97.41	68.30	29.11	peak	Main wave signal cannot be determined
4	X 5178.400	68.48	17.33	85.81	68.30	17.51	AVG	Main wave signal cannot be determined

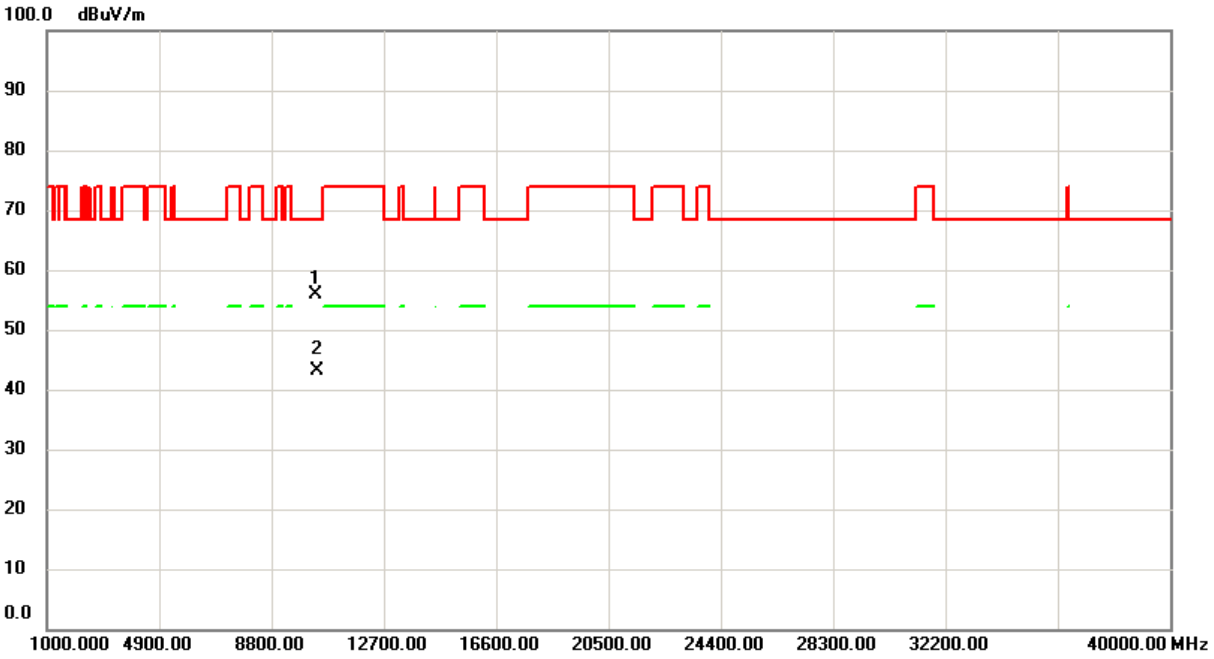


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10364.48	39.76	14.36	54.12	68.30	-14.18	peak
2	10364.66	28.97	14.36	43.33	68.30	-24.97	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	39.55	17.21	56.76	74.00	-17.24	peak	
2	5150.000	32.16	17.21	49.37	54.00	-4.63	AVG	
3	* 5174.600	88.12	17.32	105.44	68.30	37.14	peak	Main wave signal cannot be determined
4	X 5174.600	80.21	17.32	97.53	68.30	29.23	AVG	Main wave signal cannot be determined

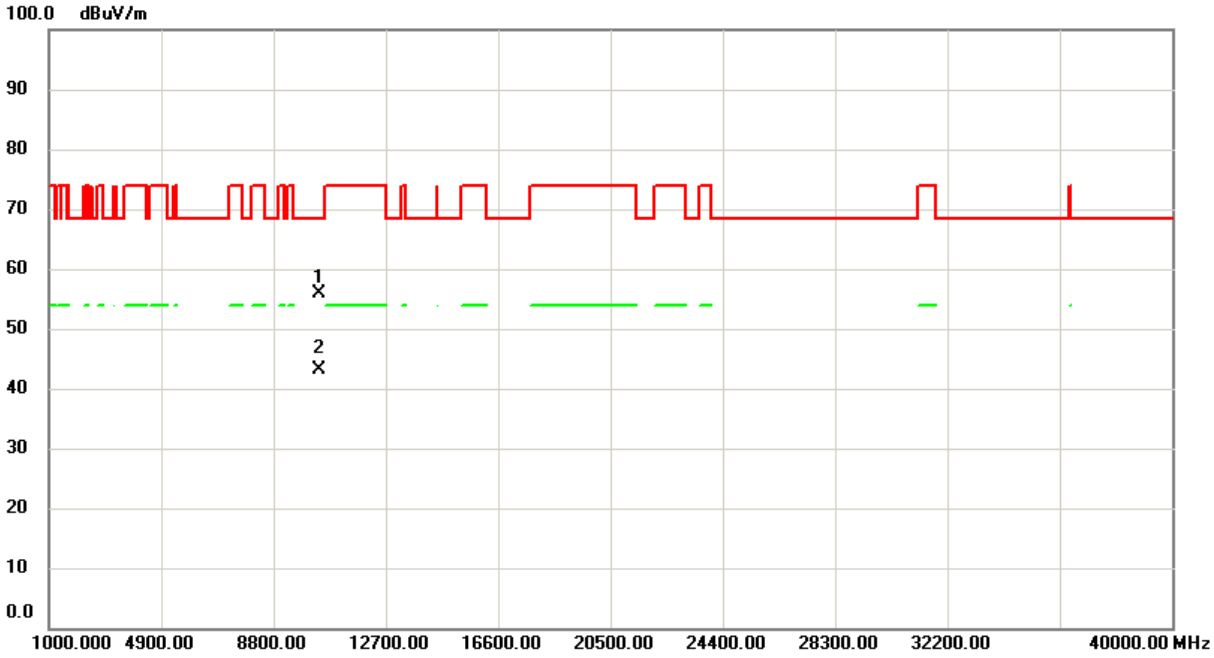


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10356.45	41.62	14.35	55.97	68.30	-12.33	peak
2	10362.01	28.80	14.36	43.16	68.30	-25.14	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5200 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

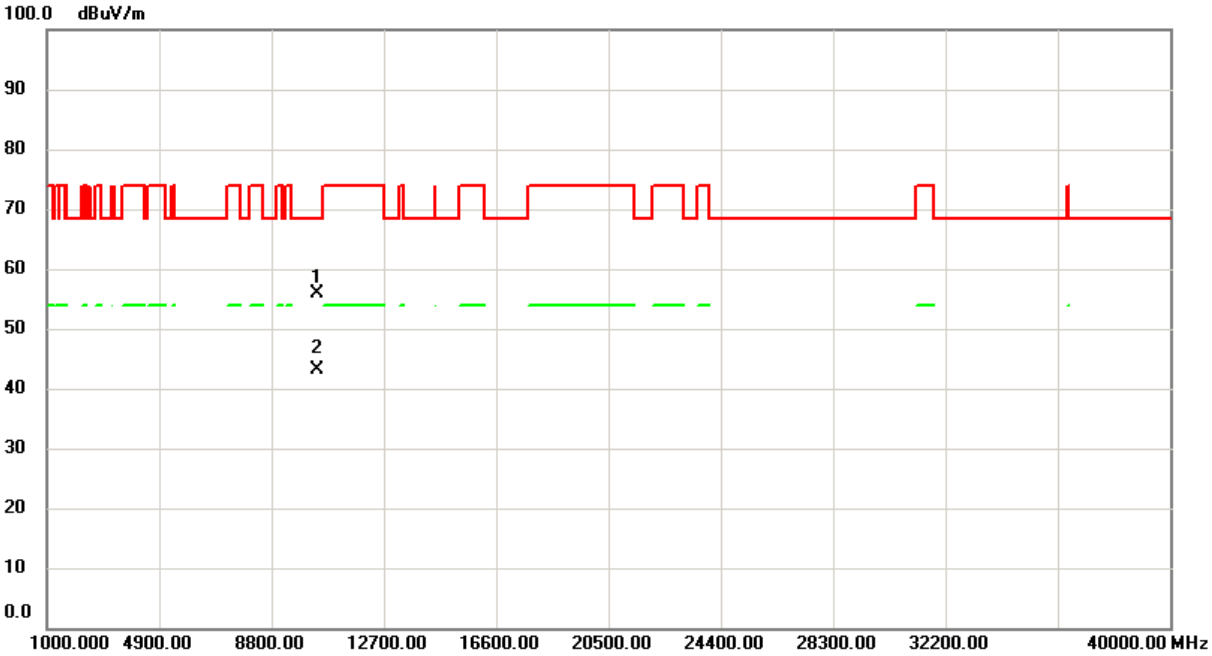
Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10399.28	41.32	14.44	55.76	68.30	-12.54	peak
2	10401.50	28.77	14.44	43.21	68.30	-25.09	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

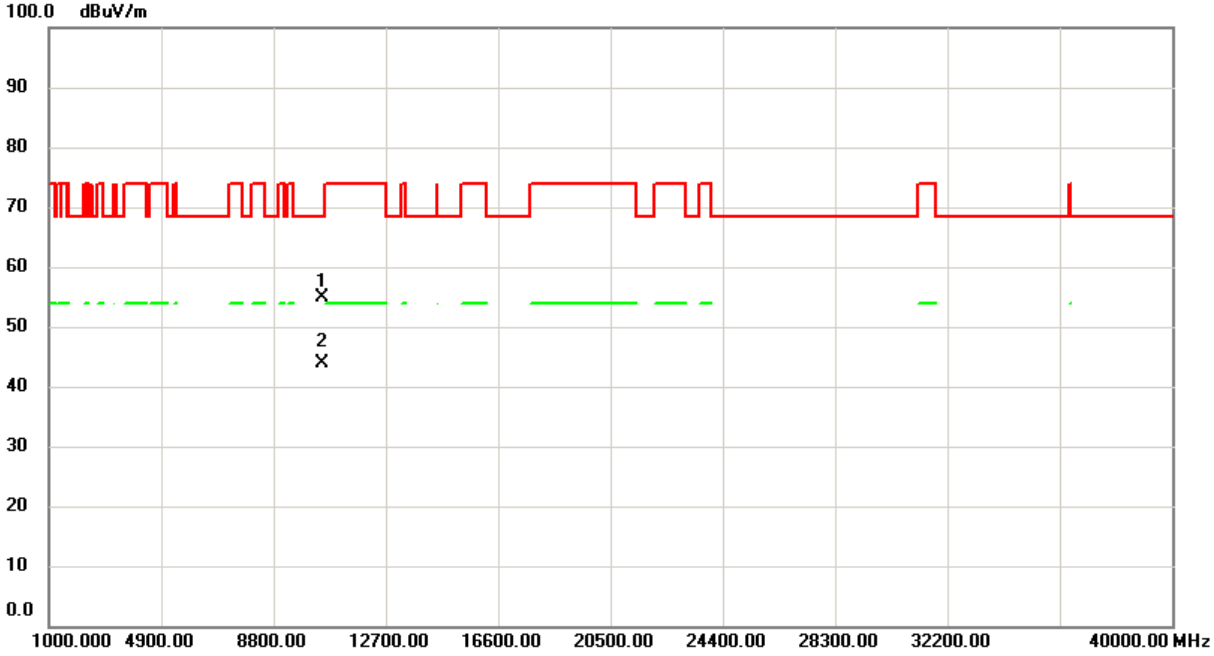
Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10396.17	41.50	14.43	55.93	68.30	-12.37	peak
2	10404.34	28.79	14.45	43.24	68.30	-25.06	AVG

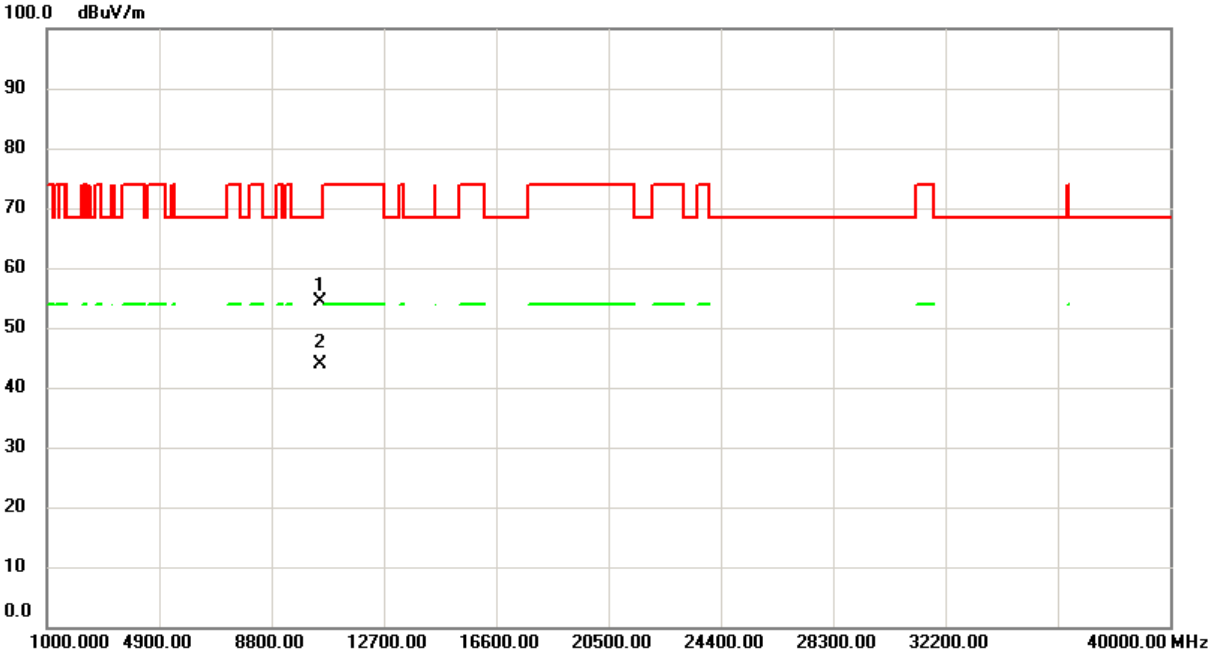
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5240 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10477.23	40.26	14.61	54.87	68.30	-13.43	peak
2	10483.21	29.22	14.61	43.83	68.30	-24.47	AVG

Antenna Polarization：Vertical

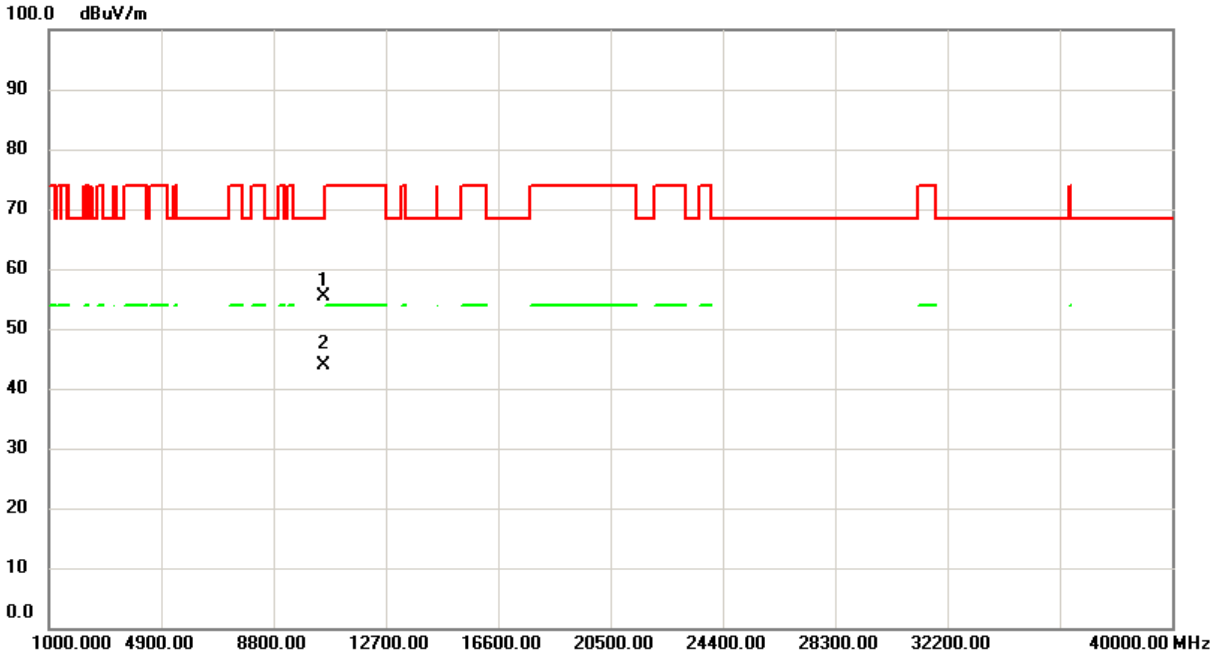


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10476.43	39.67	14.61	54.28	68.30	-14.02	peak
2	10476.66	29.26	14.61	43.87	68.30	-24.43	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

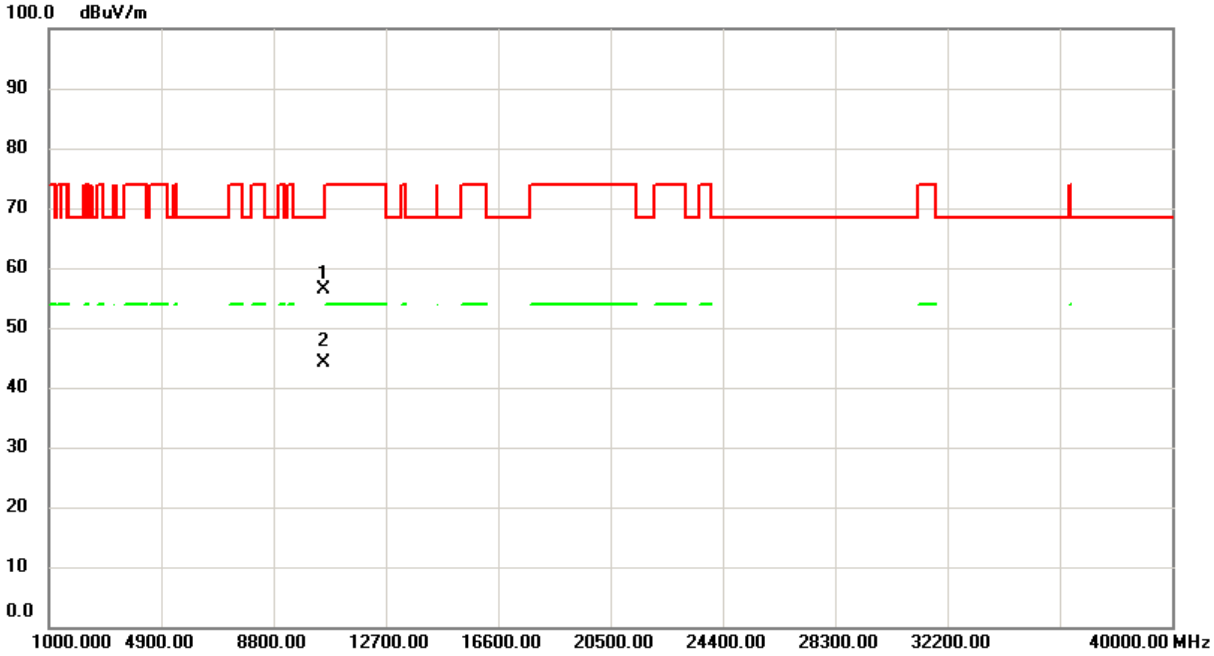
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5260 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10522.80	40.56	14.70	55.26	68.30	-13.04	peak
2	10524.48	29.16	14.71	43.87	68.30	-24.43	AVG

Antenna Polarization：Vertical

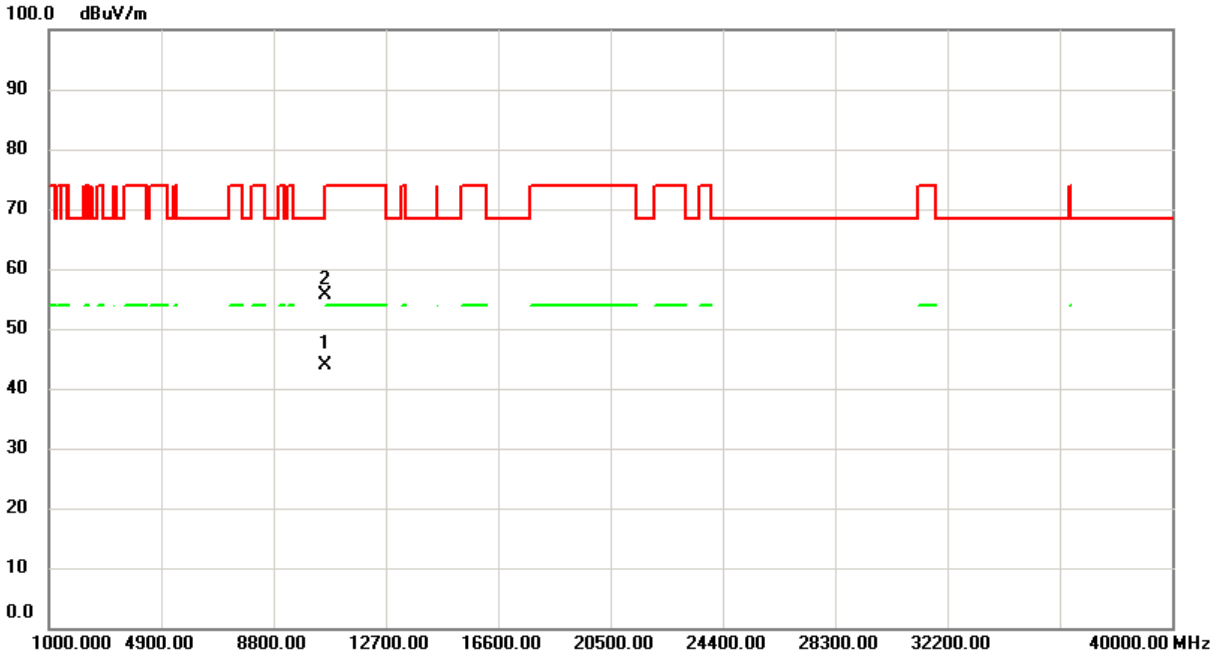


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB Detector Comment
1	* 10520.10	41.60	14.70	56.30	68.30	-12.00 peak
2	10524.77	29.40	14.71	44.11	68.30	-24.19 AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

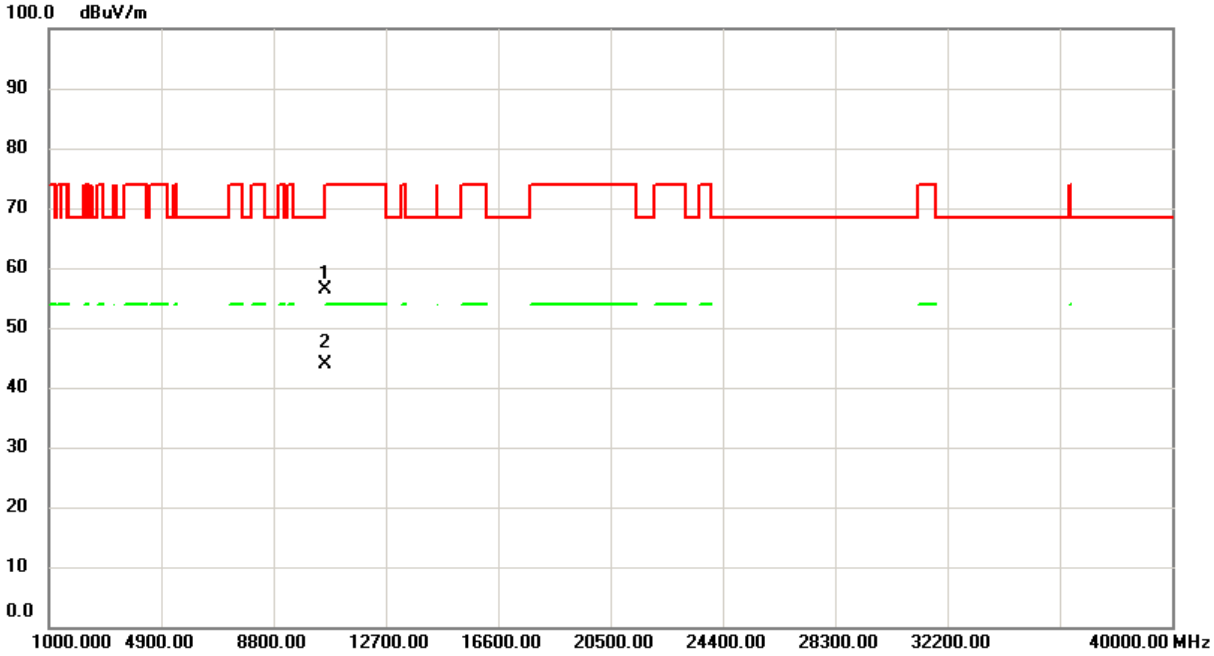
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5300 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10598.80	28.95	14.89	43.84	68.30	-24.46	AVG
2	* 10602.02	40.78	14.89	55.67	74.00	-18.33	peak

Antenna Polarization：Vertical

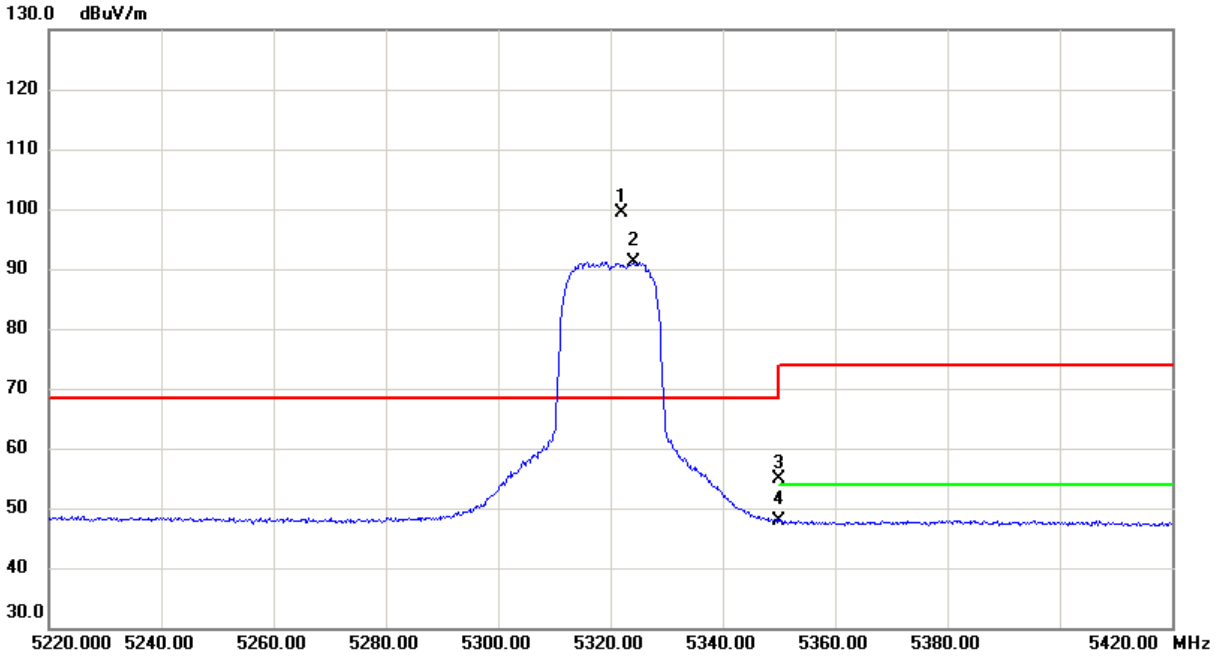


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10598.90	41.53	14.89	56.42	68.30	-11.88	peak
2	* 10600.73	28.97	14.89	43.86	54.00	-10.14	AVG

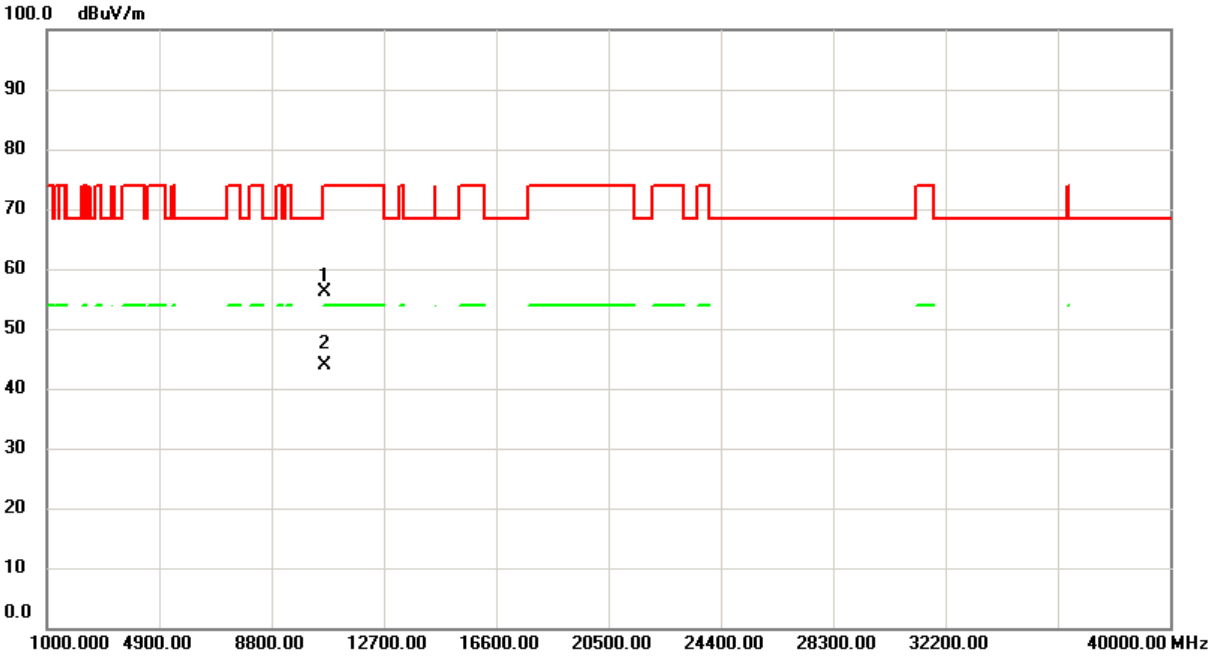
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5320 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

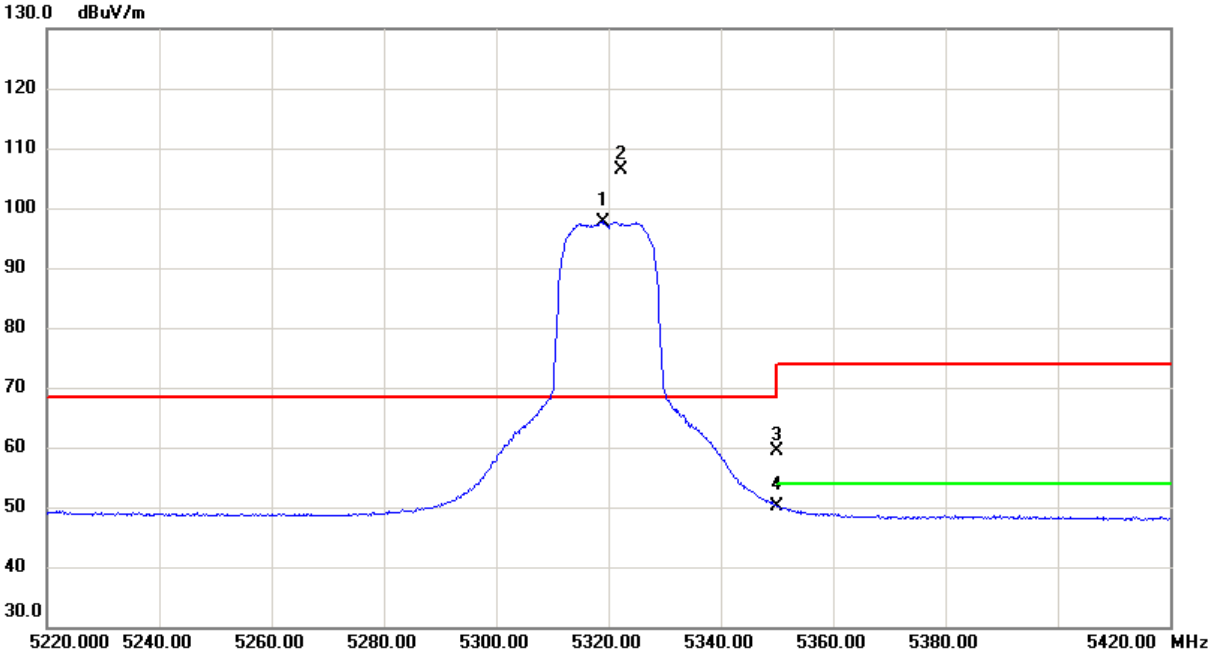


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5322.000	81.74	17.60	99.34	68.30	31.04	peak	Main wave signal cannot be determined
2	X	5324.200	73.66	17.59	91.25	68.30	22.95	AVG	Main wave signal cannot be determined
3		5350.000	37.26	17.55	54.81	74.00	-19.19	peak	
4		5350.000	30.44	17.55	47.99	54.00	-6.01	AVG	

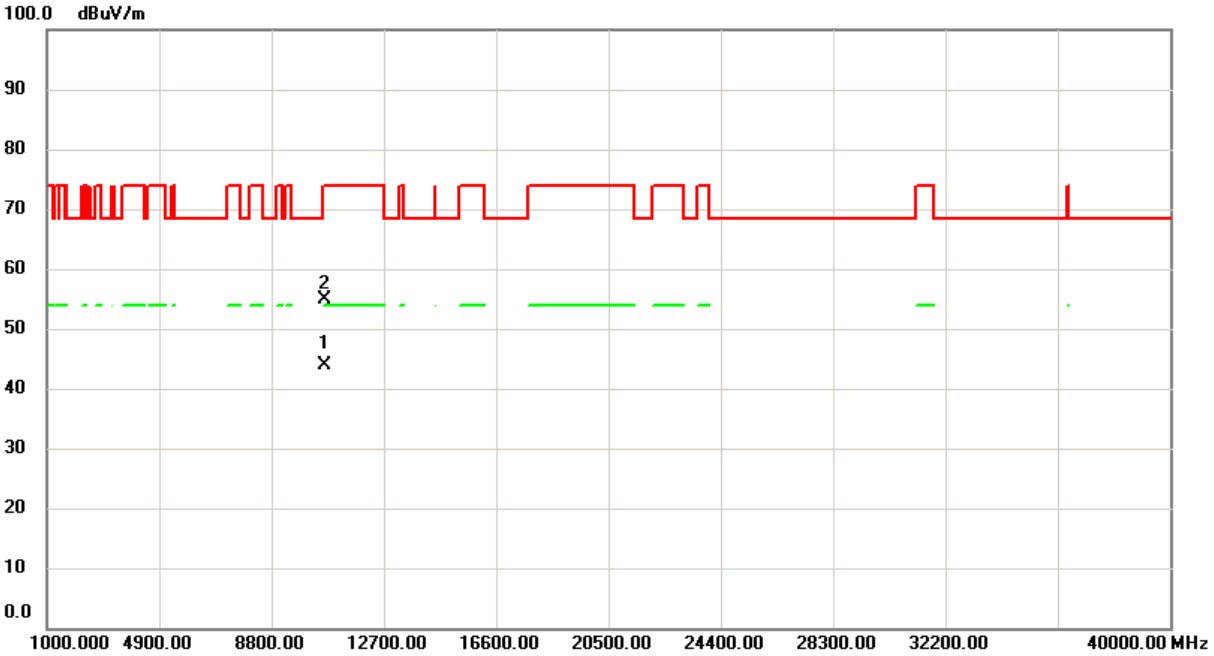


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10637.44	41.25	14.95	56.20	74.00	-17.80	peak
2	* 10640.19	28.88	14.95	43.83	54.00	-10.17	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5319.000	80.15	17.60	97.75	68.30	29.45	AVG	Main wave signal cannot be determined
2	*	5322.200	88.87	17.60	106.47	68.30	38.17	peak	Main wave signal cannot be determined
3		5350.000	41.72	17.55	59.27	74.00	-14.73	peak	
4		5350.000	32.59	17.55	50.14	54.00	-3.86	AVG	

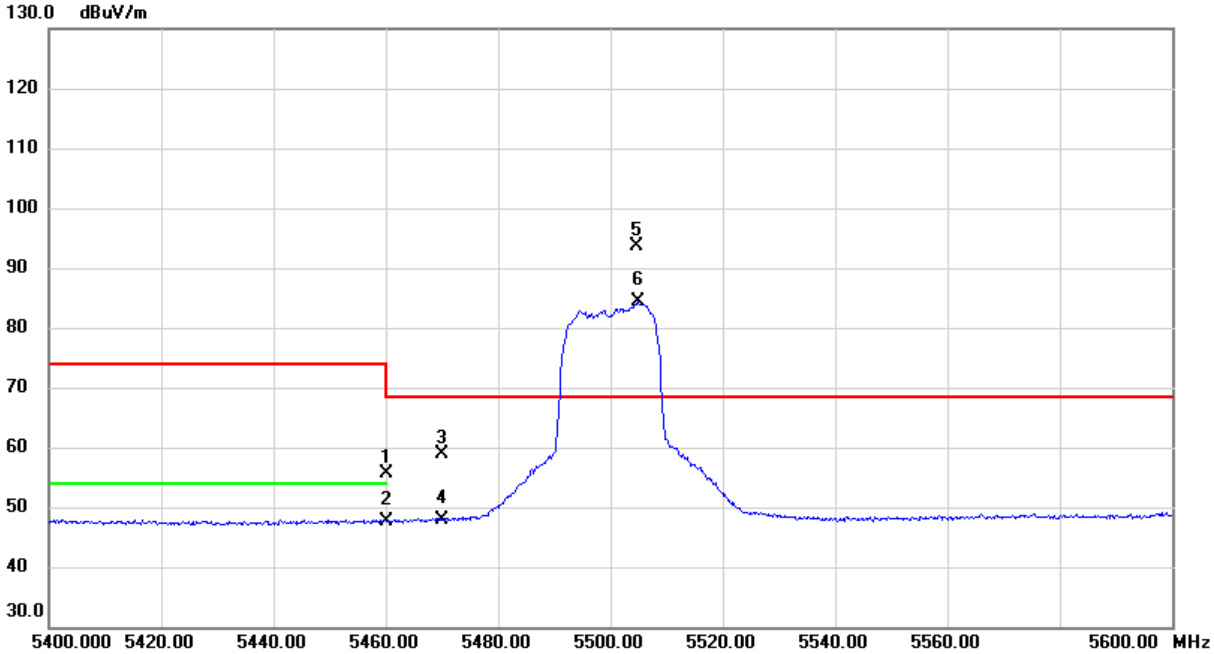


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10641.68	28.97	14.95	43.92	54.00	-10.08	AVG
2	10642.87	39.89	14.95	54.84	74.00	-19.16	peak

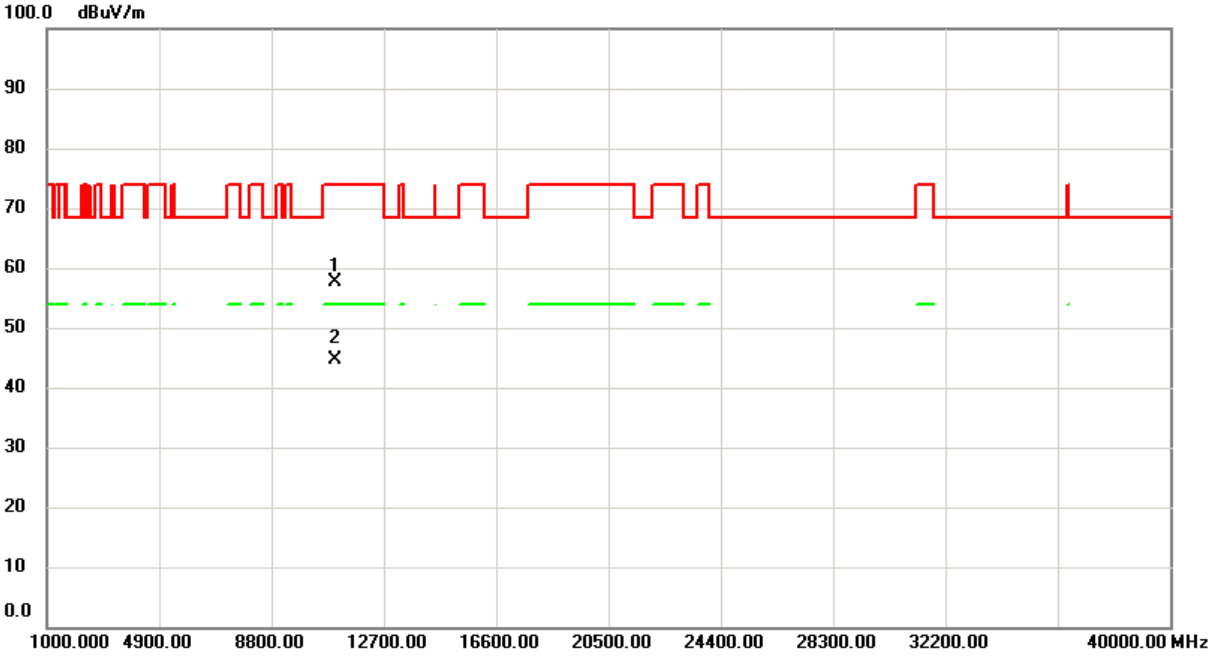
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5550 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

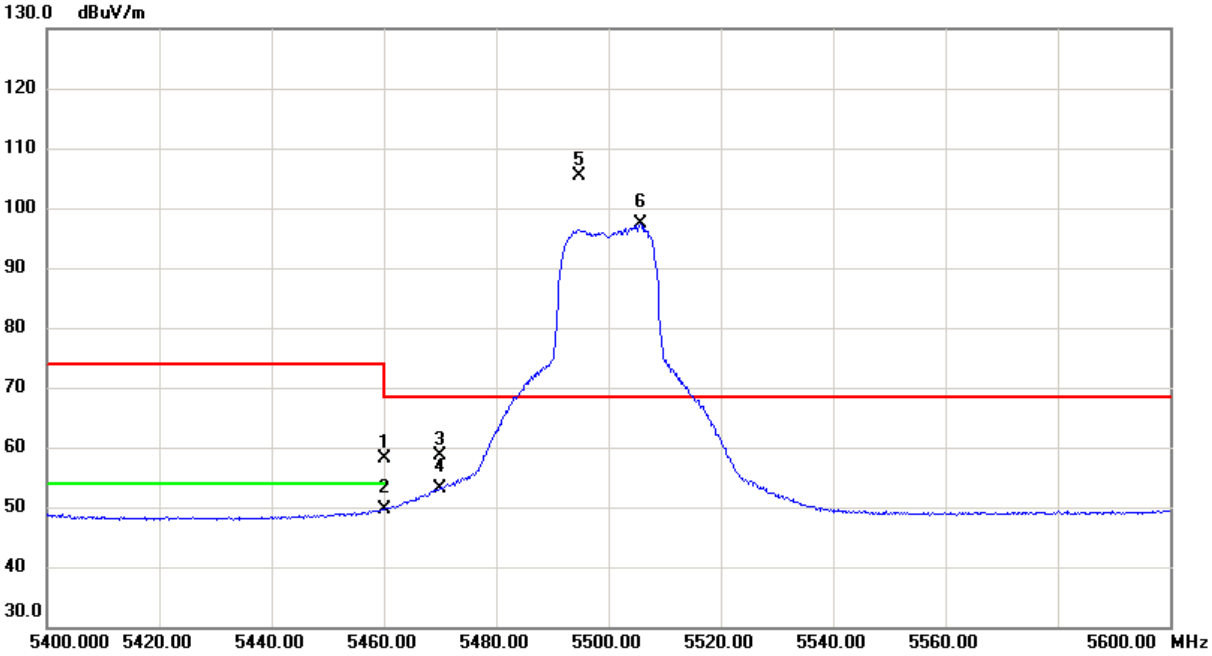


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	38.06	17.60	55.66	74.00	-18.34	peak	
2	5460.000	29.94	17.60	47.54	54.00	-6.46	AVG	
3	5470.000	41.24	17.62	58.86	68.30	-9.44	peak	
4	5470.000	30.38	17.62	48.00	68.30	-20.30	AVG	
5	* 5504.600	75.86	17.68	93.54	68.30	25.24	peak	Main wave signal cannot be determined
6	X 5504.800	66.62	17.68	84.30	68.30	16.00	AVG	Main wave signal cannot be determined

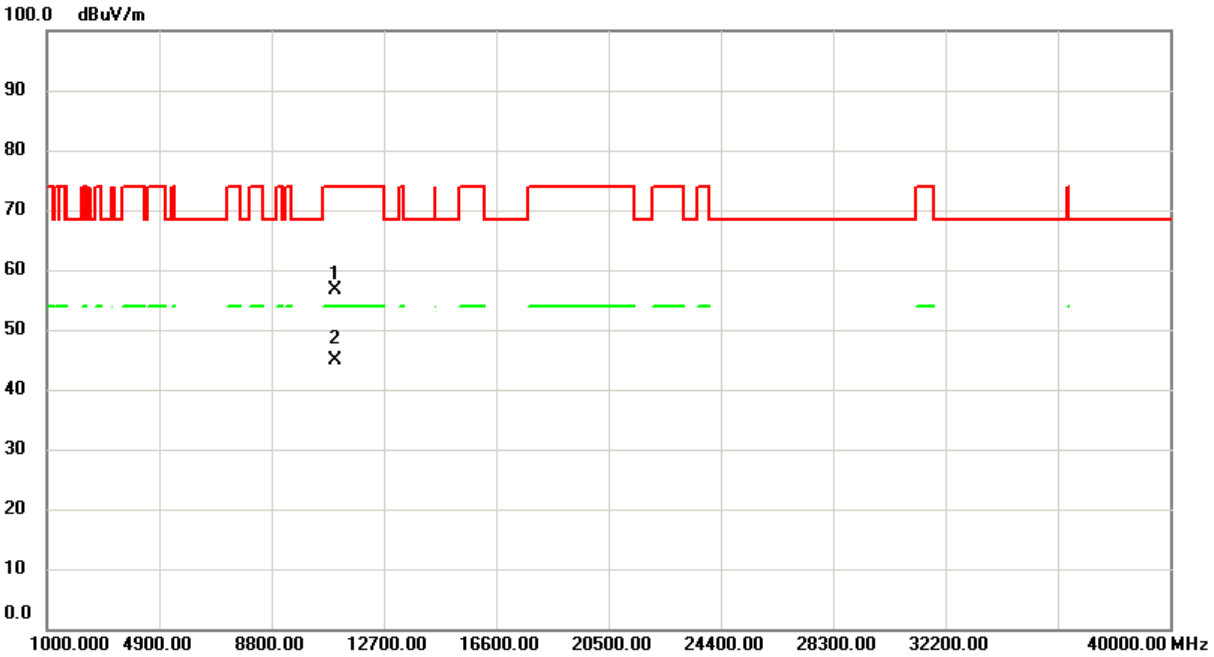


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10996.34	42.00	15.66	57.66	74.00	-16.34	peak
2	* 11004.54	28.88	15.67	44.55	54.00	-9.45	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	40.42	17.60	58.02	74.00	-15.98	peak	
2	5460.000	32.14	17.60	49.74	54.00	-4.26	AVG	
3	5470.000	41.01	17.62	58.63	68.30	-9.67	peak	
4	5470.000	35.45	17.62	53.07	68.30	-15.23	AVG	
5	* 5494.800	87.64	17.68	105.32	68.30	37.02	peak	Main wave signal cannot be determined
6	X 5505.800	79.67	17.68	97.35	68.30	29.05	AVG	Main wave signal cannot be determined

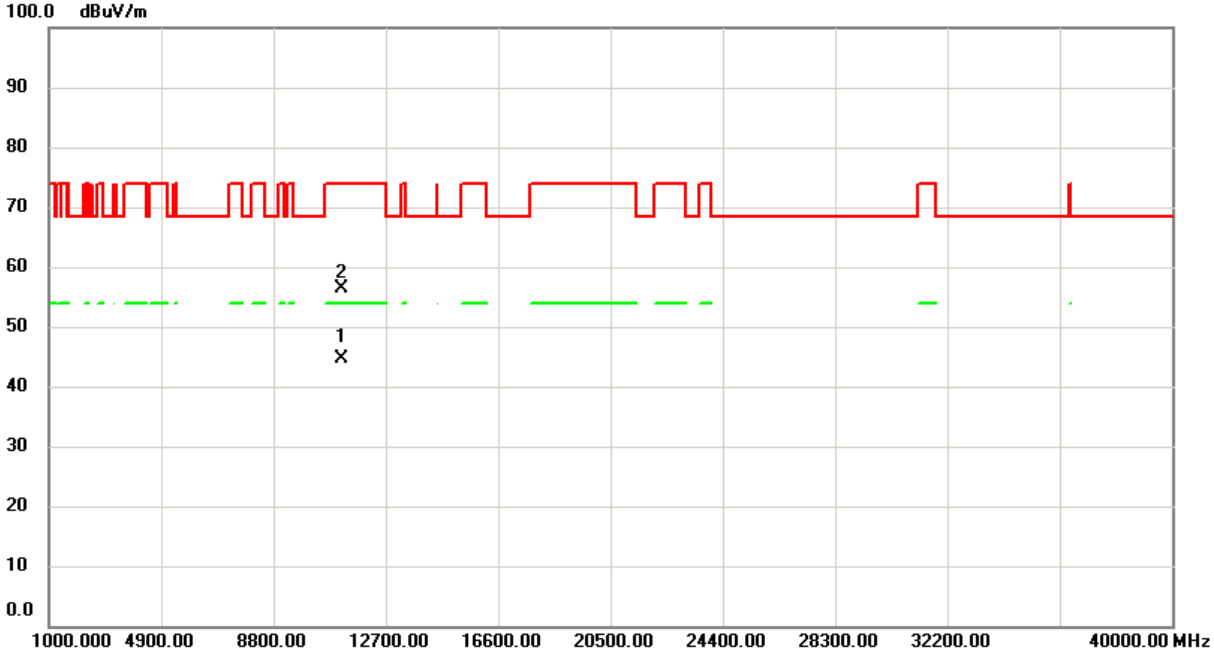


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10996.33	40.94	15.66	56.60	74.00	-17.40	peak
2	* 10999.03	29.12	15.66	44.78	54.00	-9.22	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

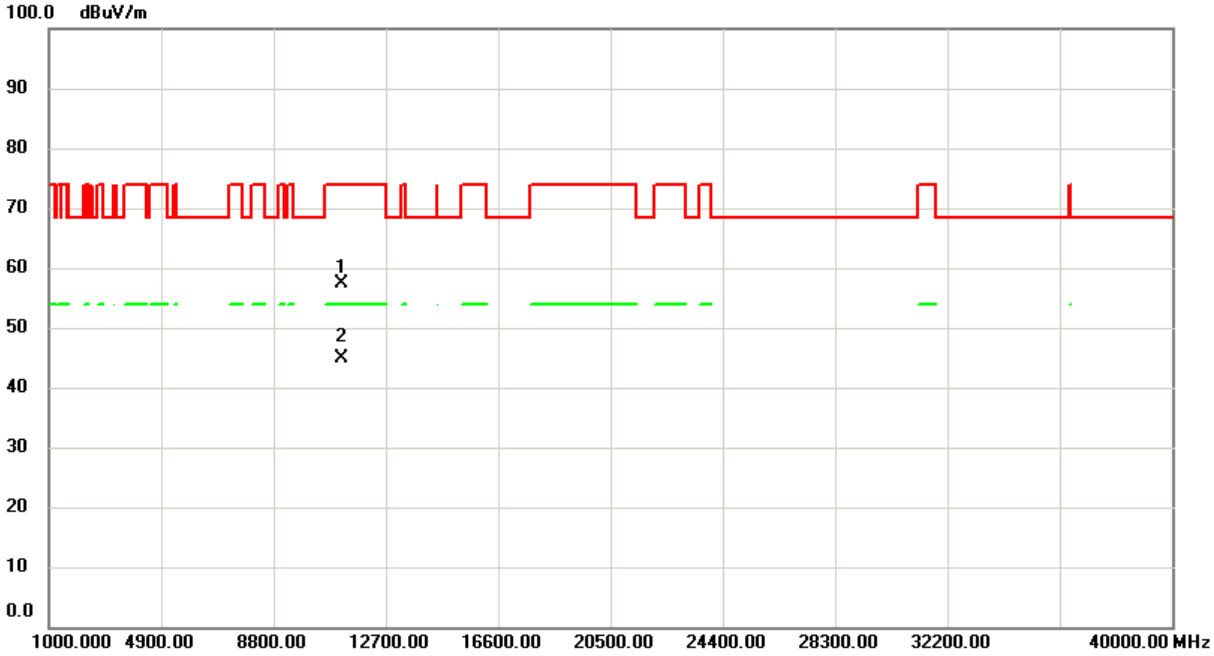
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5580 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11161.29	28.71	15.96	44.67	54.00	-9.33	AVG
2	11163.35	40.30	15.96	56.26	74.00	-17.74	peak

Antenna Polarization：Vertical

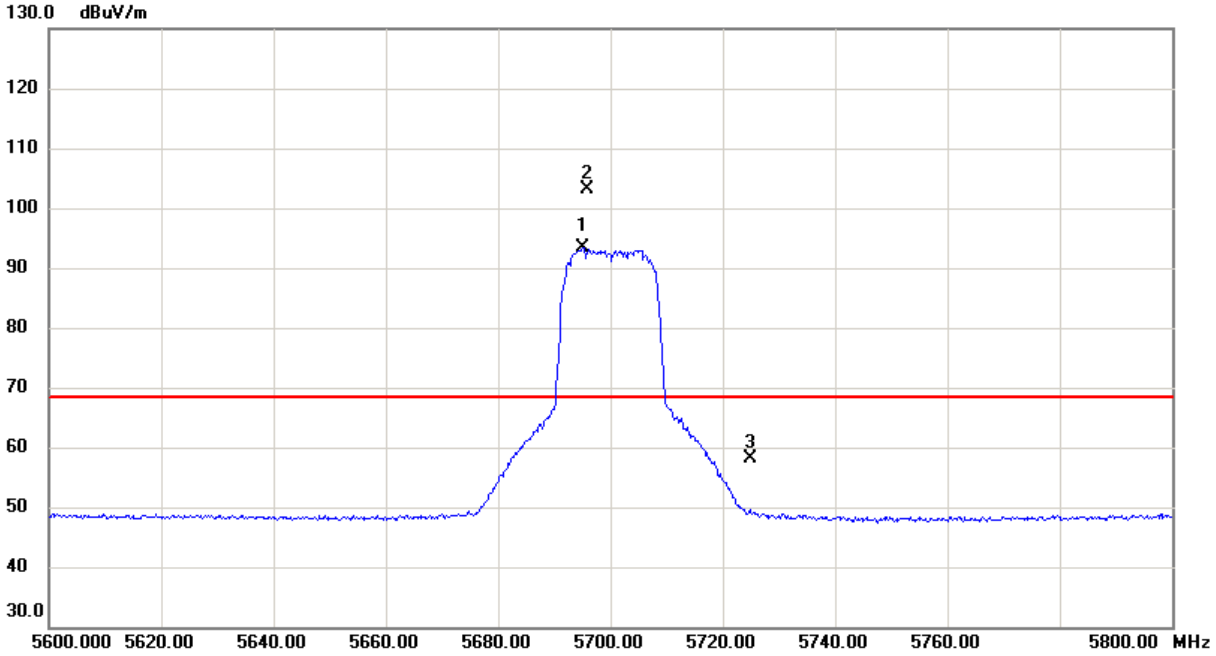


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11155.62	41.37	15.96	57.33	74.00	-16.67	peak
2	* 11157.56	28.89	15.96	44.85	54.00	-9.15	AVG

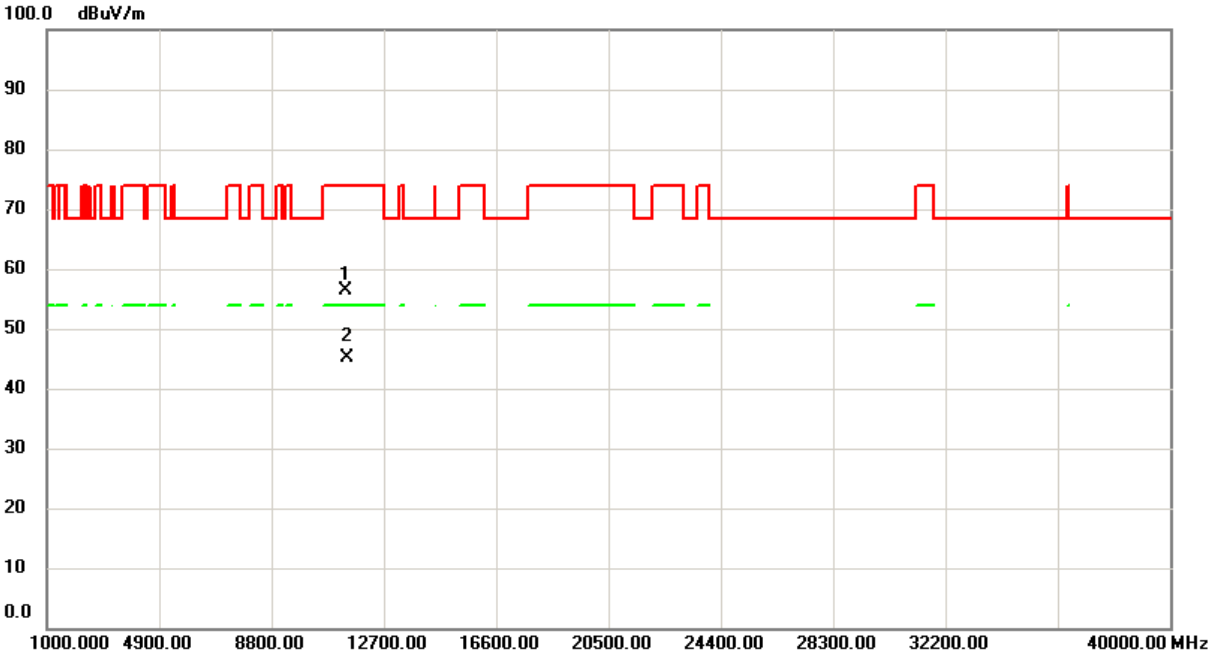
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5700 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

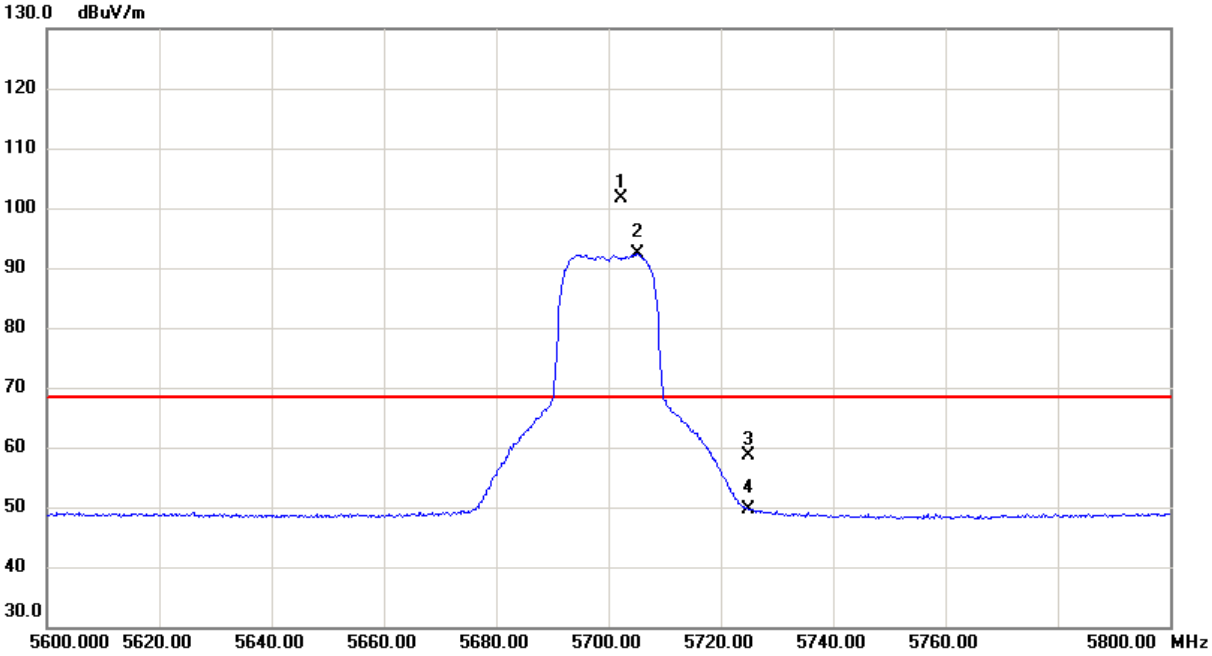


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5695.200	75.87	17.59	93.46	54	25.16	AVG	Main wave signal cannot be determined
2	*	5695.800	85.54	17.59	103.13	68.30	34.83	peak	Main wave signal cannot be determined
3		5725.000	40.45	17.60	58.05	68.30	-10.25	peak	

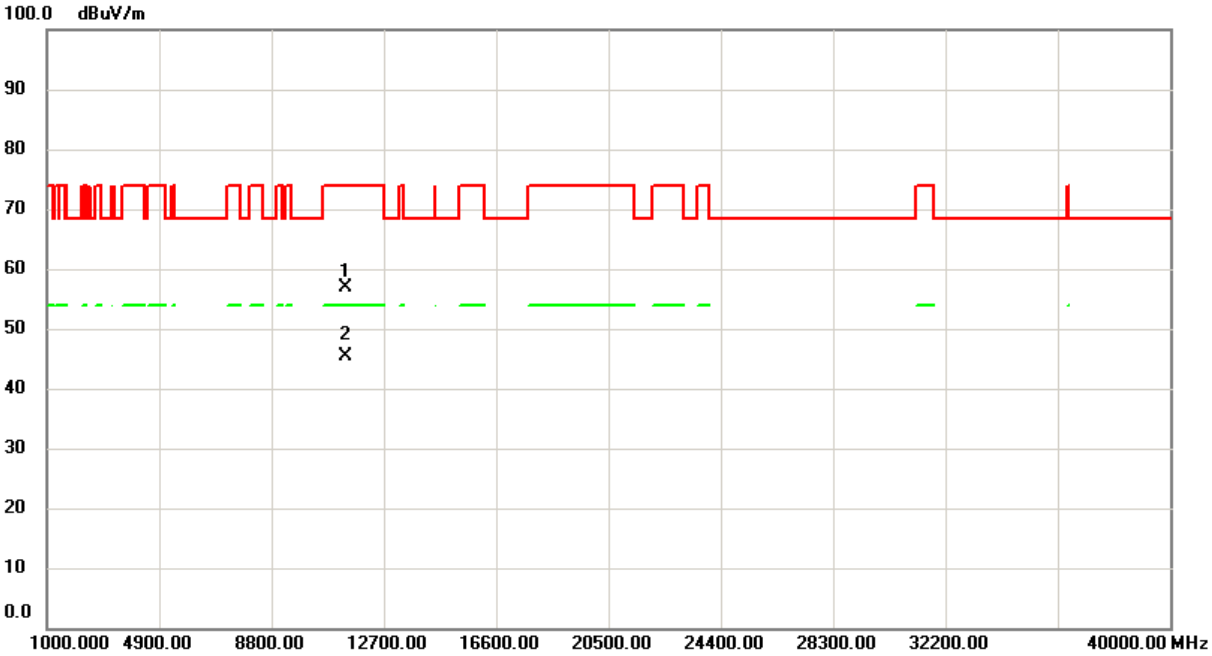


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11395.81	39.93	16.35	56.28	74.00	-17.72	peak
2	* 11401.80	28.82	16.36	45.18	54.00	-8.82	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5702.200	84.07	17.59	101.66	68.30	33.36	peak	
2	X	5705.200	74.70	17.59	92.29	68.30	23.99	AVG	
3		5725.000	41.03	17.60	58.63	68.30	-9.67	peak	
4		5725.000	31.94	17.60	49.54	68.30	-18.76	AVG	

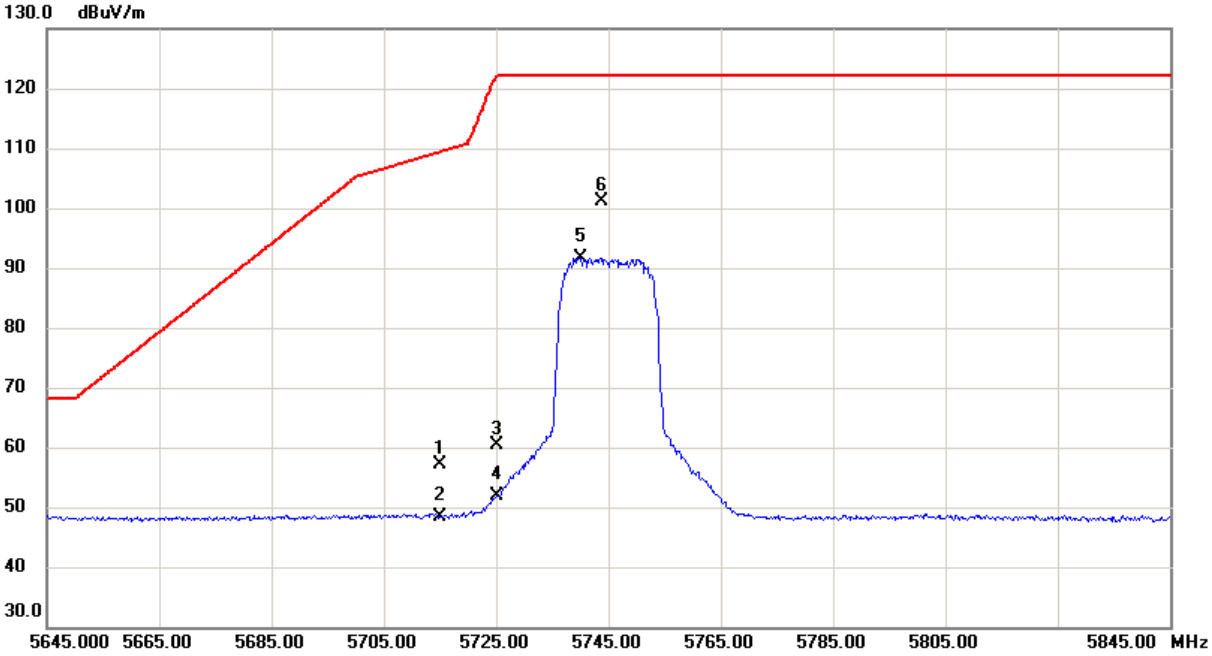


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11396.33	40.65	16.35	57.00	74.00	-17.00	peak
2	* 11397.79	29.02	16.36	45.38	54.00	-8.62	AVG

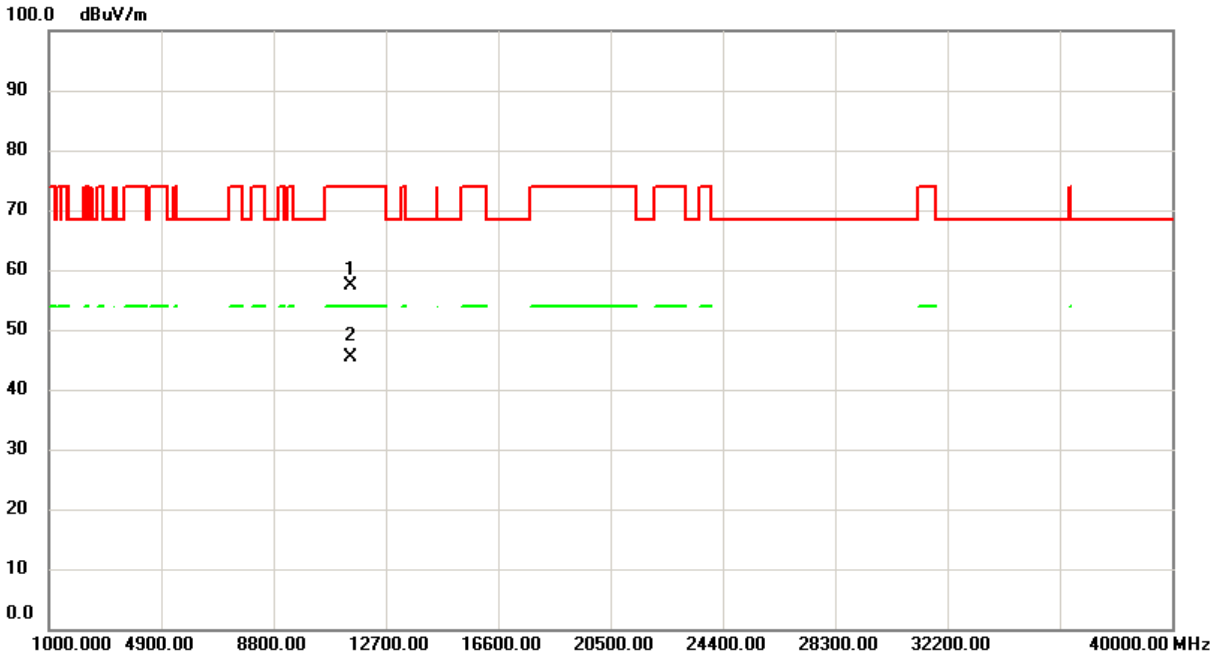
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5745 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

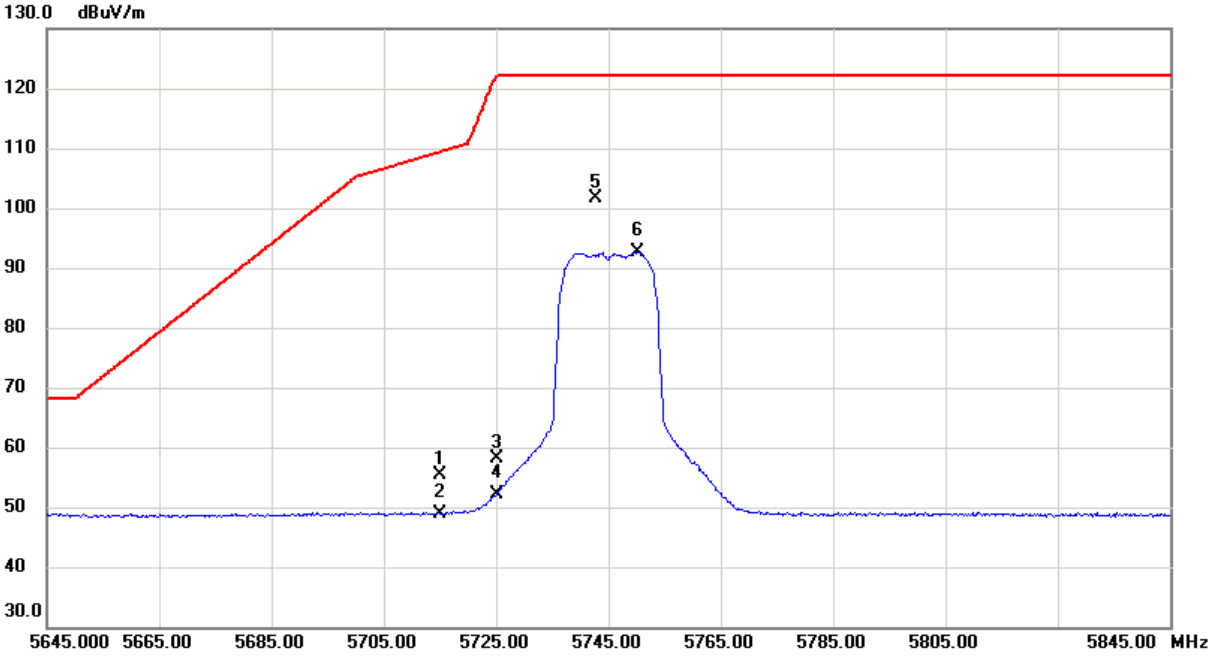


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	39.65	17.60	57.25	109.4	-52.15	peak	
2	5715.000	30.87	17.60	48.47	109.4	-60.93	AVG	
3	5725.000	42.78	17.60	60.38	122.2	-61.82	peak	
4	5725.000	34.18	17.60	51.78	122.2	-70.42	AVG	
5	5740.000	74.11	17.61	91.72	122.2	-30.48	AVG	Main wave signal cannot be determined
6	* 5743.800	83.49	17.61	101.10	122.2	-21.10	peak	Main wave signal cannot be determined

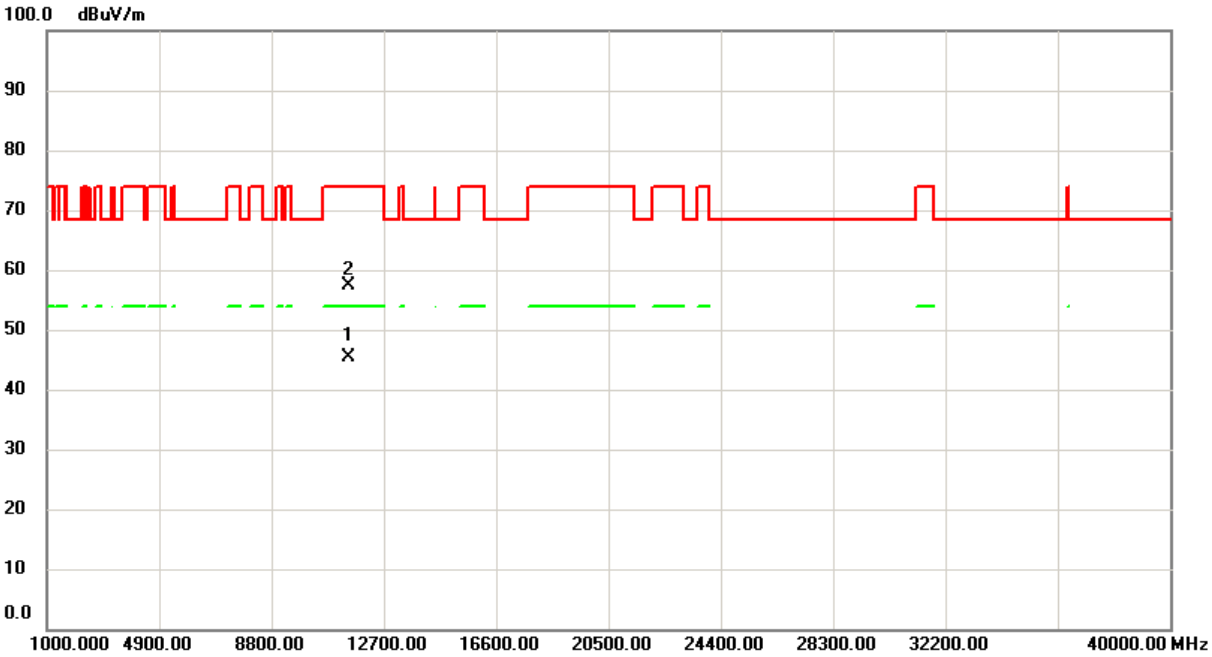


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11489.79	40.97	16.48	57.45	74.00	-16.55	peak
2	* 11489.85	28.85	16.48	45.33	54.00	-8.67	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	37.88	17.60	55.48	109.4	-53.92	peak	
2	5715.000	31.29	17.60	48.89	109.4	-60.51	AVG	
3	5725.000	40.50	17.60	58.10	122.2	-64.10	peak	
4	5725.000	34.58	17.60	52.18	122.2	-70.02	AVG	
5	* 5742.800	83.99	17.61	101.60	122.2	-20.60	peak	Main wave signal cannot be determined
6	5750.200	75.00	17.62	92.62	122.2	-29.58	AVG	Main wave signal cannot be determined

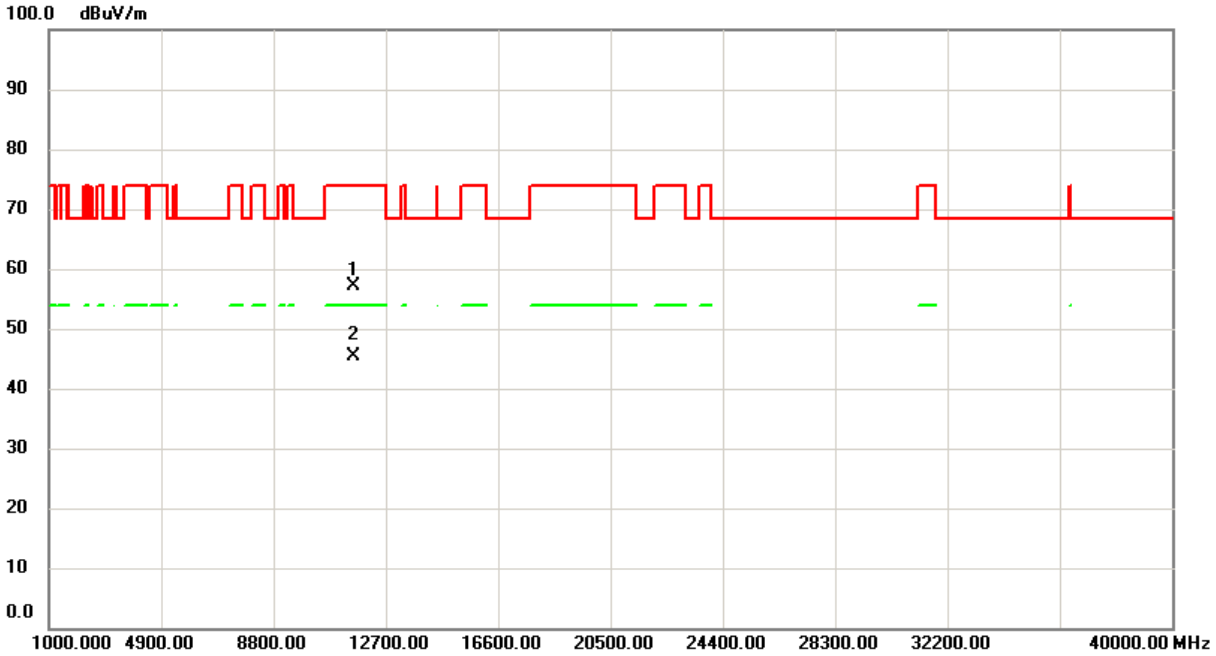


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11488.41	28.93	16.48	45.41	54.00	-8.59	AVG
2	11492.09	40.81	16.48	57.29	74.00	-16.71	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

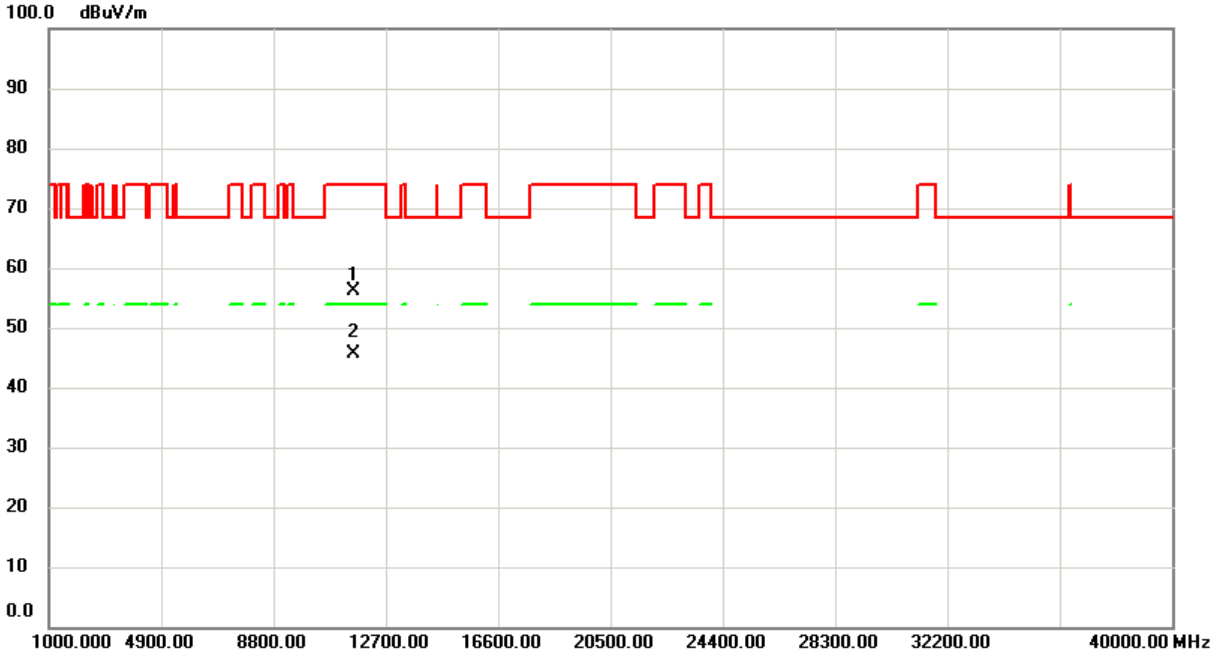
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5785 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11568.02	40.32	16.72	57.04	74.00	-16.96	peak
2	* 11568.15	28.57	16.72	45.29	54.00	-8.71	AVG

Antenna Polarization：Vertical

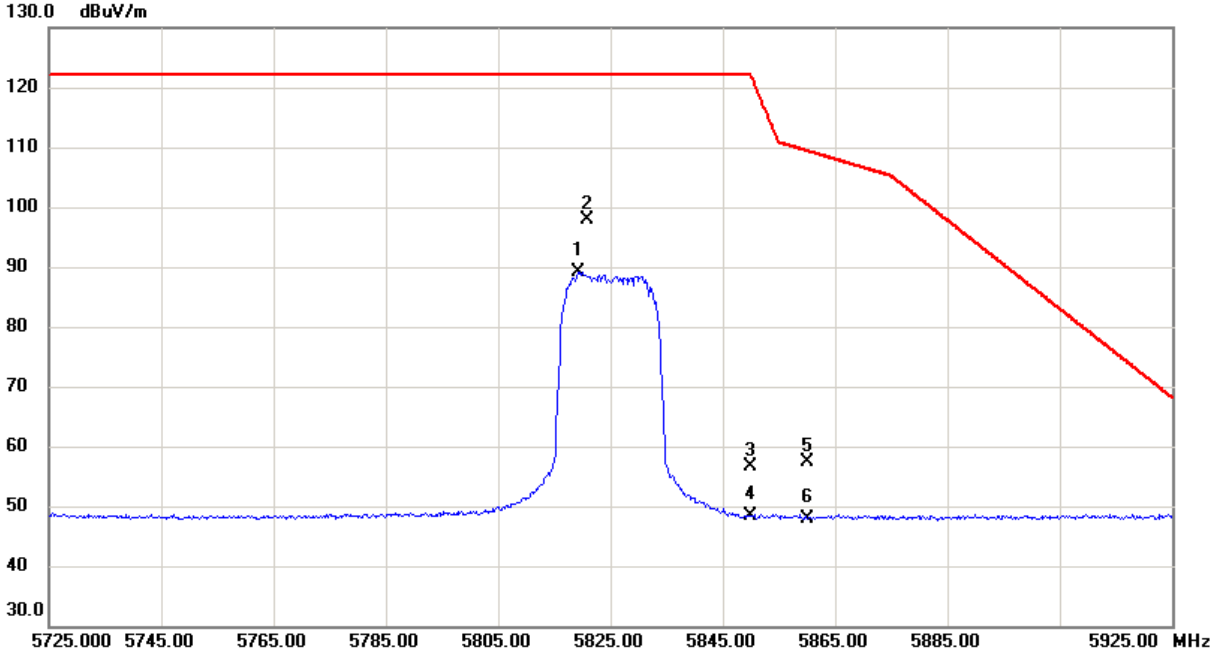


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11565.36	39.51	16.71	56.22	74.00	-17.78	peak
2	* 11567.13	28.88	16.71	45.59	54.00	-8.41	AVG

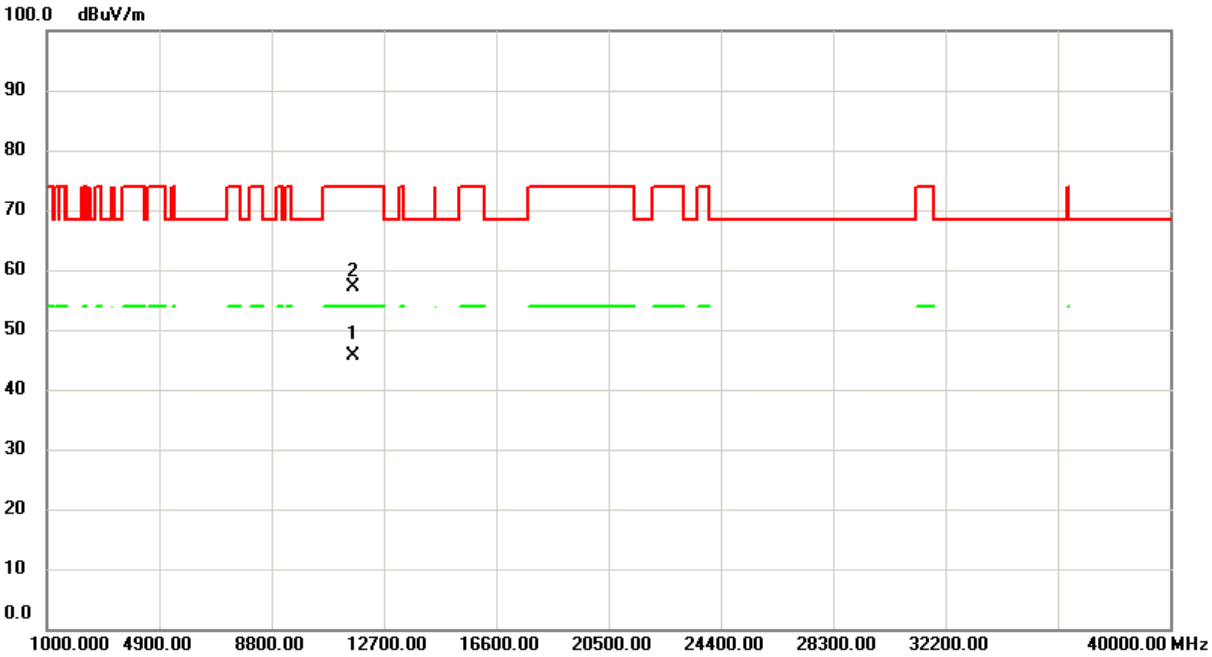
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11A
Detector Type:	PK. and AV.	L.O.:	5825 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

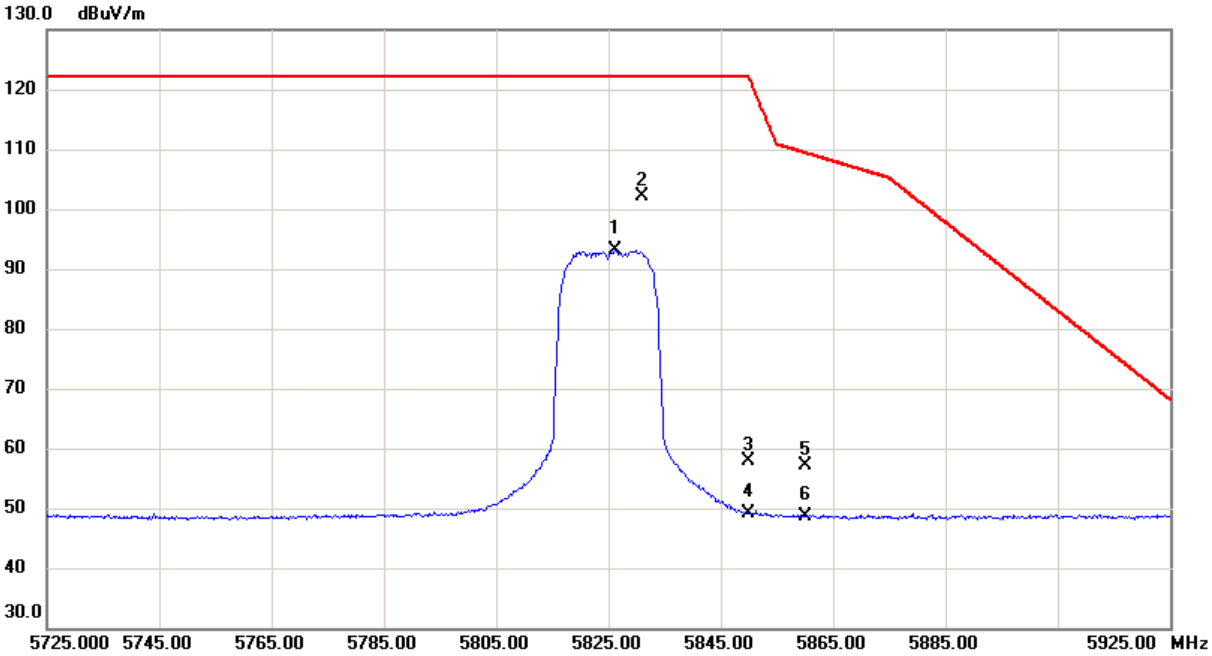


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5819.400	71.33	17.75	89.08	122.2	-33.12	AVG	
2	*	5820.800	80.01	17.75	97.76	122.2	-24.44	peak	
3		5850.000	38.82	17.76	56.58	122.2	-65.62	peak	
4		5850.000	30.74	17.76	48.50	122.2	-73.70	AVG	
5		5860.000	39.57	17.79	57.36	109.4	-52.04	peak	
6		5860.000	30.11	17.79	47.90	109.4	-61.50	AVG	

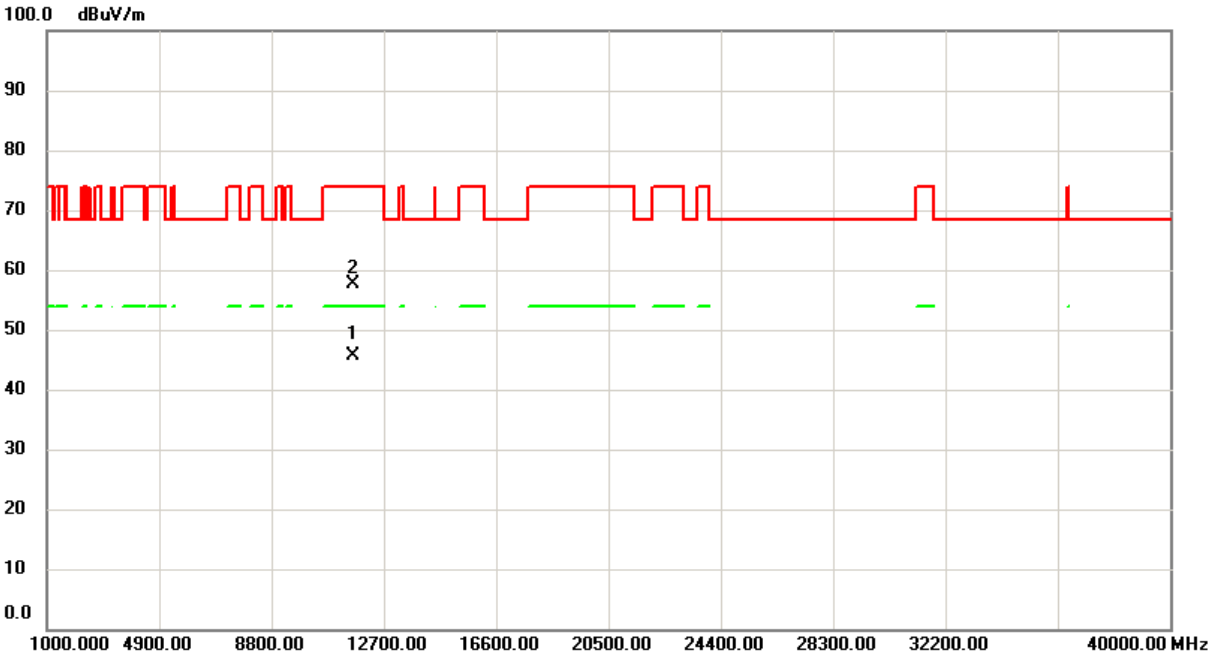


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11650.14	28.59	16.94	45.53	54.00	-8.47	AVG
2	11655.00	40.24	16.94	57.18	74.00	-16.82	peak

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5826.200	75.49	17.75	93.24	122.2	-28.96	AVG	Main wave signal cannot be determined
2	* 5831.000	84.38	17.76	102.14	122.2	-20.06	peak	Main wave signal cannot be determined
3	5850.000	40.21	17.76	57.97	122.2	-64.23	peak	
4	5850.000	31.25	17.76	49.01	122.2	-73.19	AVG	
5	5860.000	39.38	17.79	57.17	109.4	-52.23	peak	
6	5860.000	30.80	17.79	48.59	109.4	-60.81	AVG	

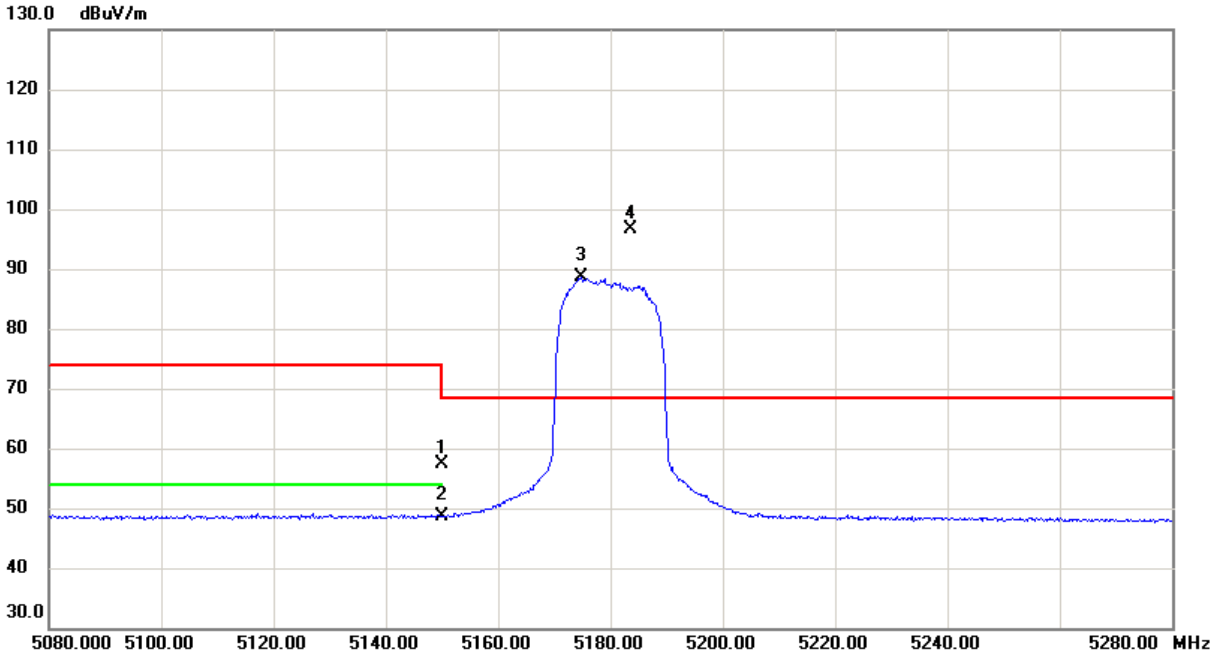


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11652.90	28.71	16.94	45.65	54.00	-8.35	AVG
2	11654.37	40.73	16.94	57.67	74.00	-16.33	peak

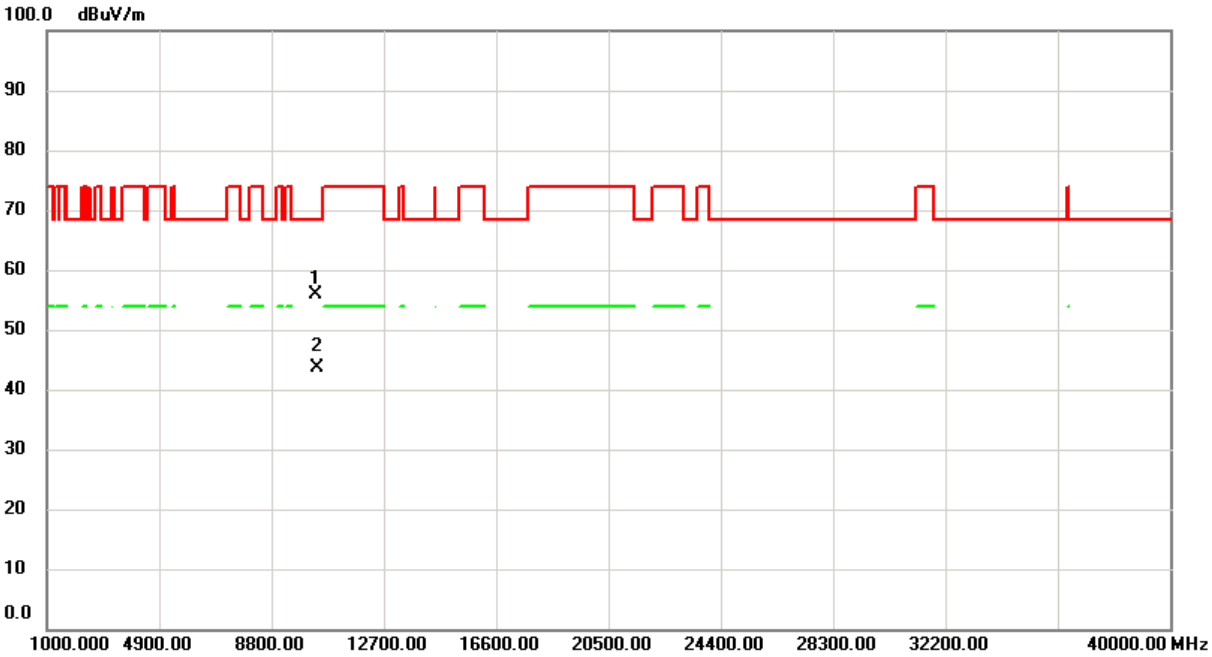
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5180 MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

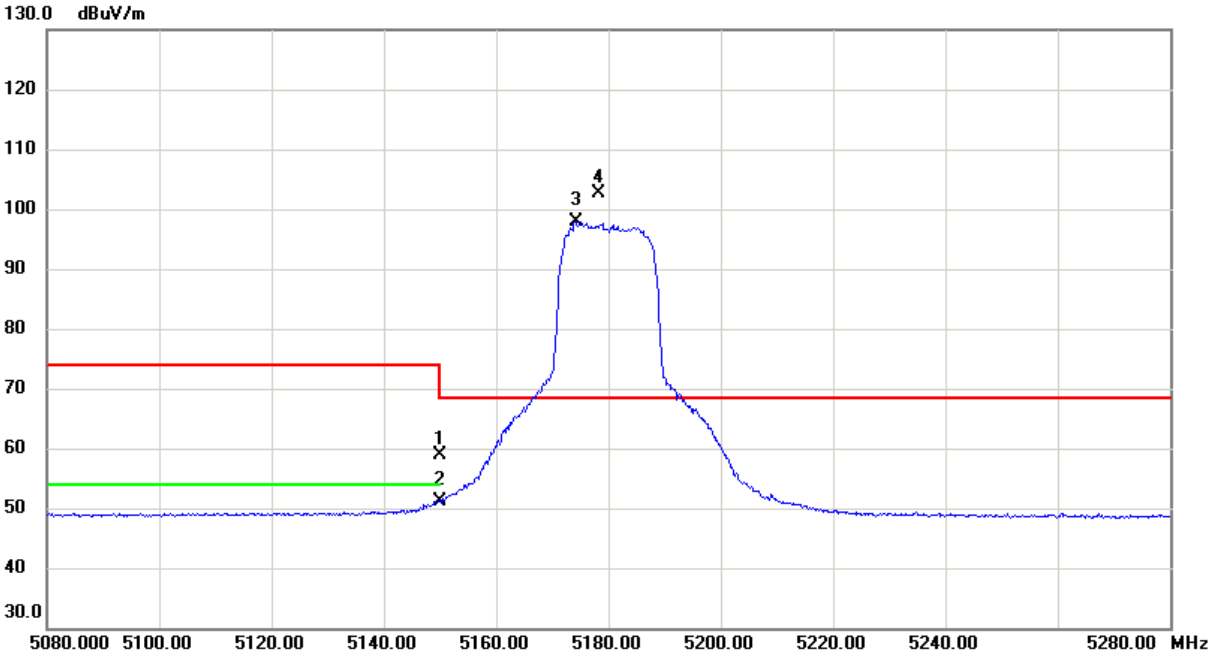


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	39.28	17.21	56.49	74.00	-17.51	peak	
2	5150.000	31.62	17.21	48.83	54.00	-5.17	AVG	
3	X 5175.400	70.01	17.32	87.33	68.30	19.03	AVG	Main wave signal cannot be determined
4	* 5178.600	78.85	17.33	96.18	68.30	27.88	peak	Main wave signal cannot be determined

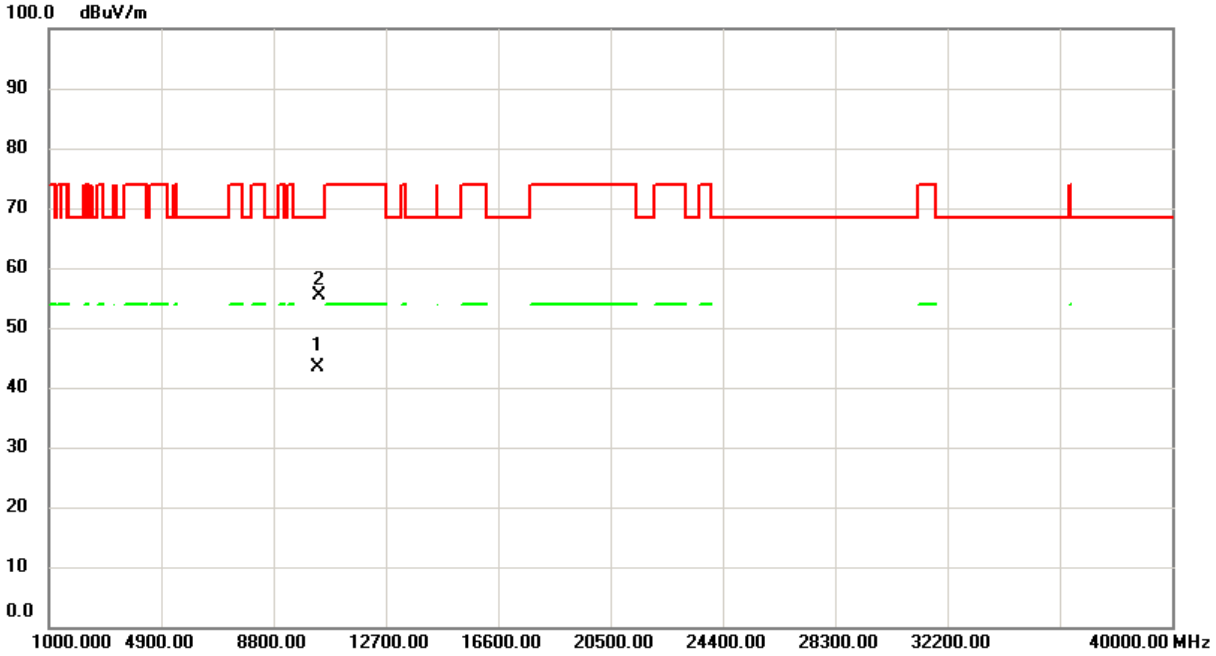


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10359.57	41.46	14.35	55.81	68.30	-12.49	peak
2	10362.15	29.26	14.36	43.62	68.30	-24.68	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Level	Factor	ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	41.70	17.21	58.91	74.00	-15.09	peak	
2		5150.000	33.98	17.21	51.19	54.00	-2.81	AVG	
3	X	5174.200	80.47	17.32	97.79	68.30	29.49	AVG	Main wave signal cannot be determined
4	*	5178.200	85.31	17.33	102.64	68.30	34.34	peak	Main wave signal cannot be determined

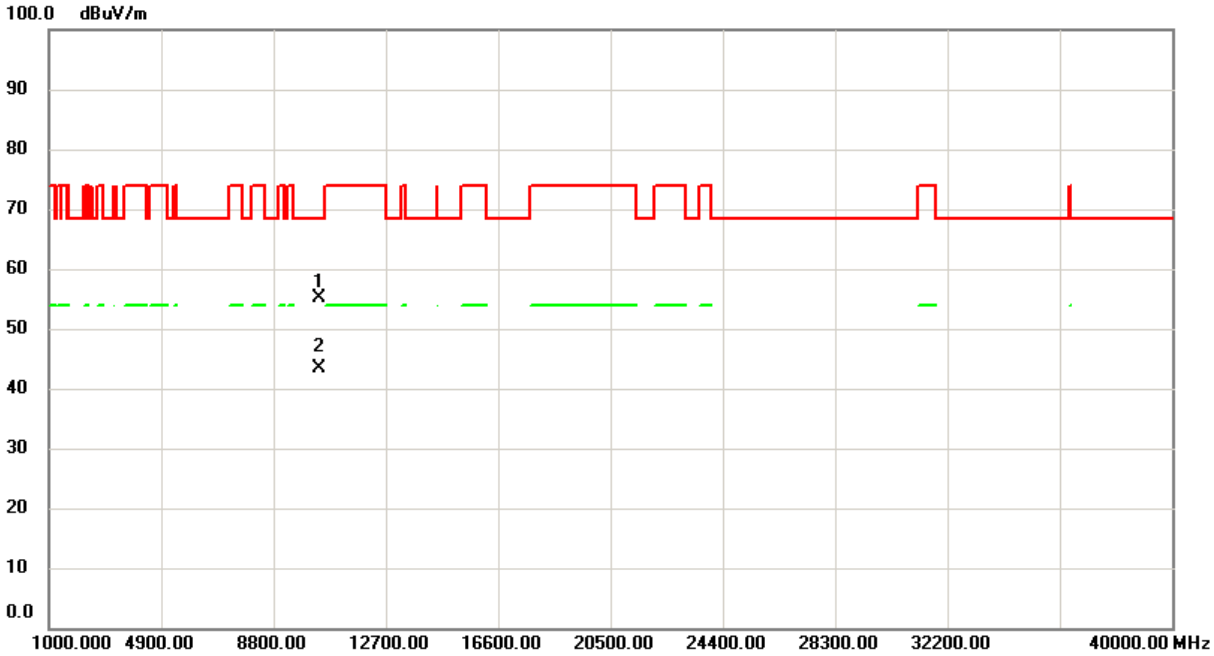


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10359.45	29.06	14.35	43.41	68.30	-24.89	AVG
2	* 10364.12	41.06	14.36	55.42	68.30	-12.88	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

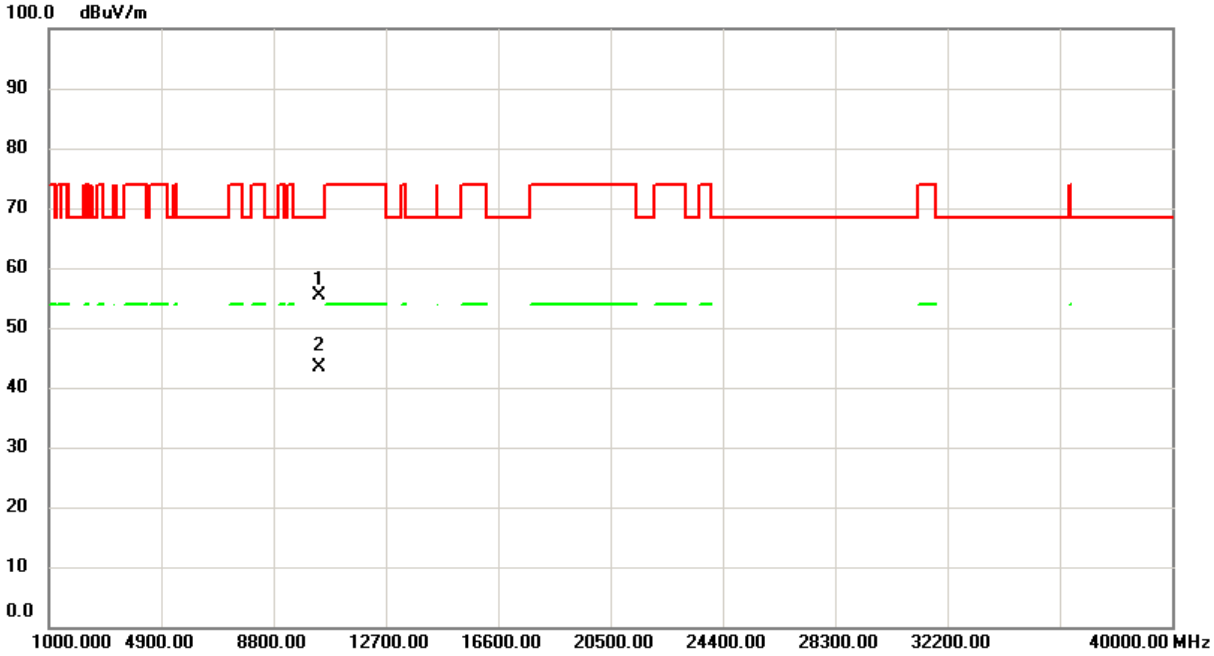
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5200MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10399.31	40.80	14.44	55.24	68.30	-13.06	peak
2	10400.27	28.97	14.44	43.41	68.30	-24.89	AVG

Antenna Polarization：Vertical.

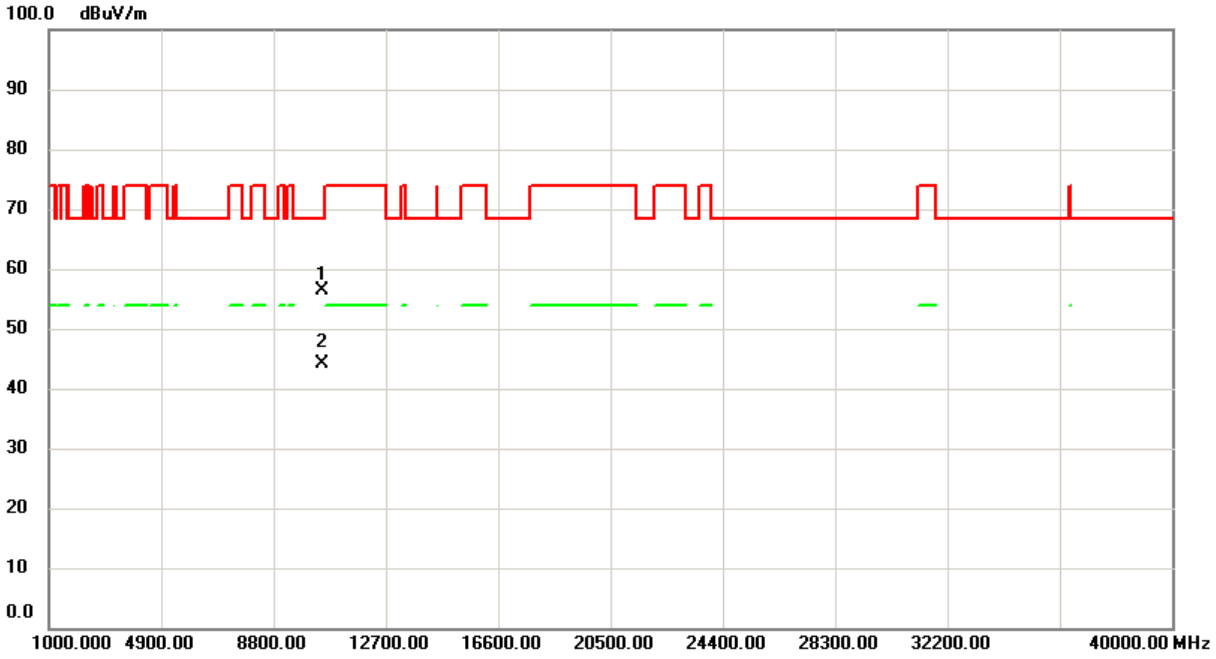


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10399.95	40.95	14.44	55.39	68.30	-12.91	peak
2	10403.89	29.04	14.45	43.49	68.30	-24.81	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

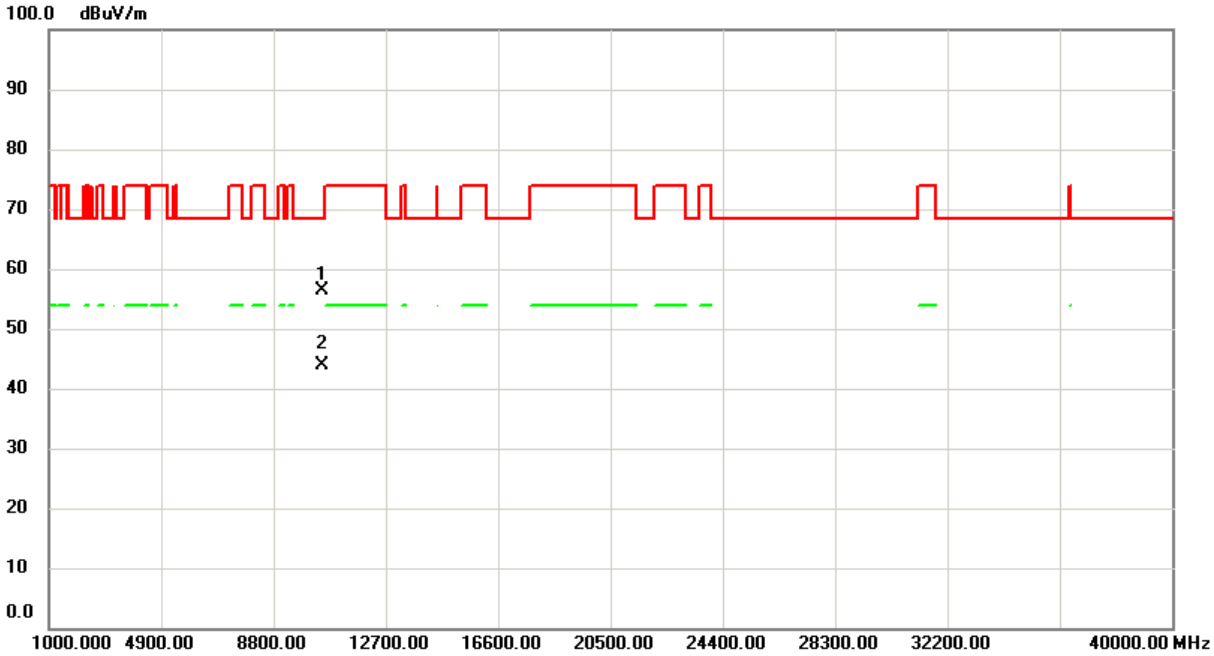
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5240MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10480.14	41.88	14.61	56.49	68.30	-11.81	peak
2	10481.53	29.40	14.61	44.01	68.30	-24.29	AVG

Antenna Polarization：Vertical

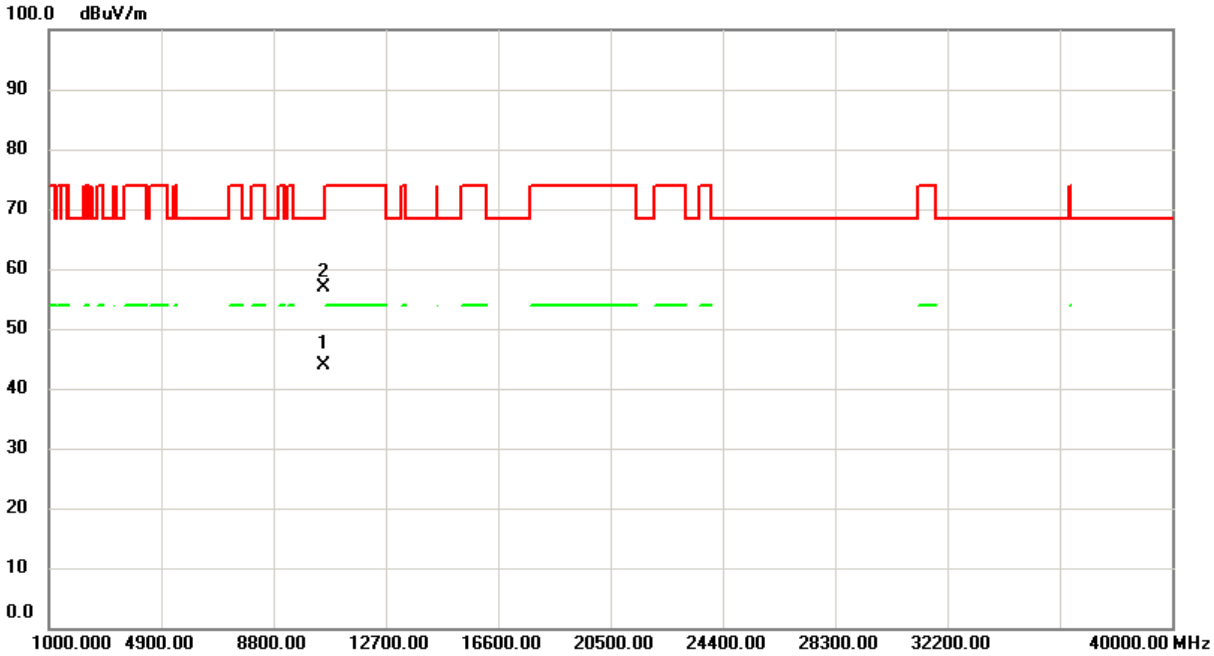


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10479.91	41.71	14.61	56.32	68.30	-11.98	peak
2	10483.23	29.17	14.61	43.78	68.30	-24.52	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

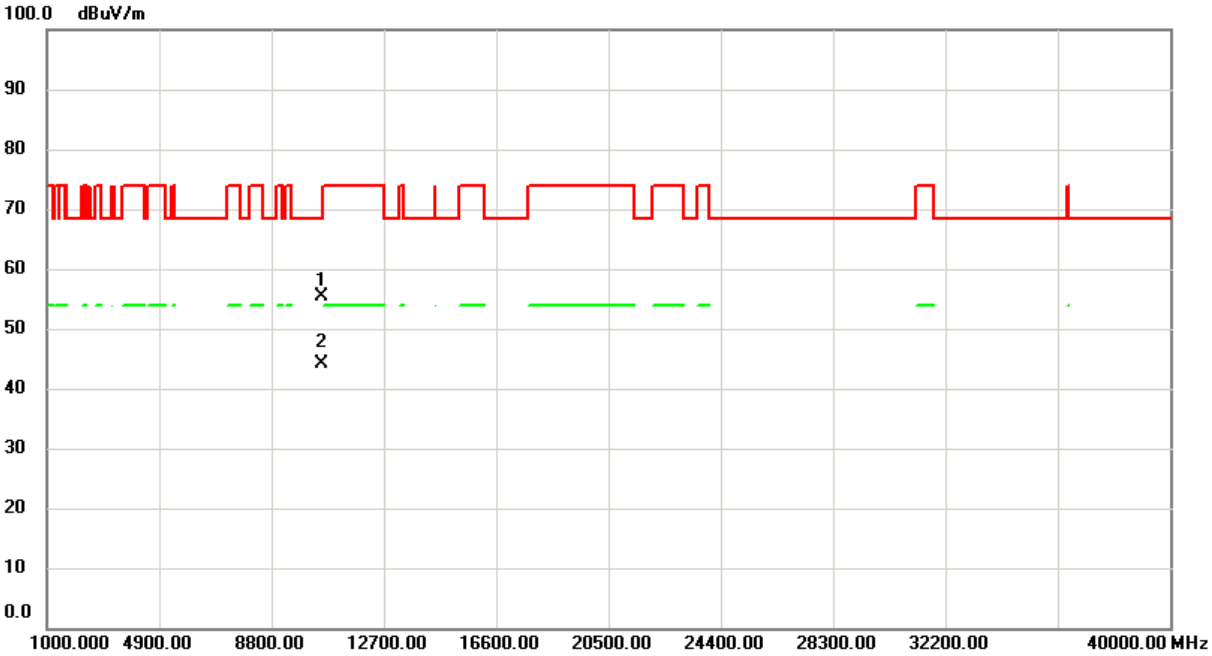
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5260MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10521.30	29.21	14.70	43.91	68.30	-24.39	AVG
2	* 10521.44	42.16	14.70	56.86	68.30	-11.44	peak

Antenna Polarization：Vertical

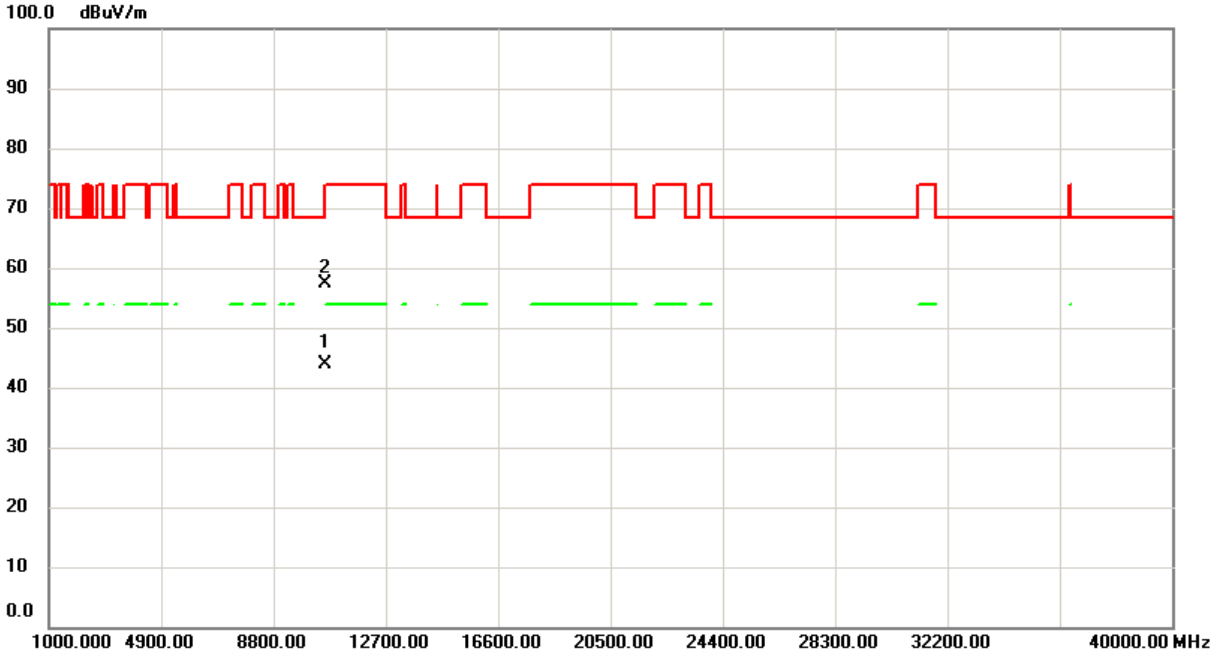


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10518.25	40.81	14.69	55.50	68.30	-12.80	peak
2	10520.83	29.33	14.70	44.03	68.30	-24.27	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

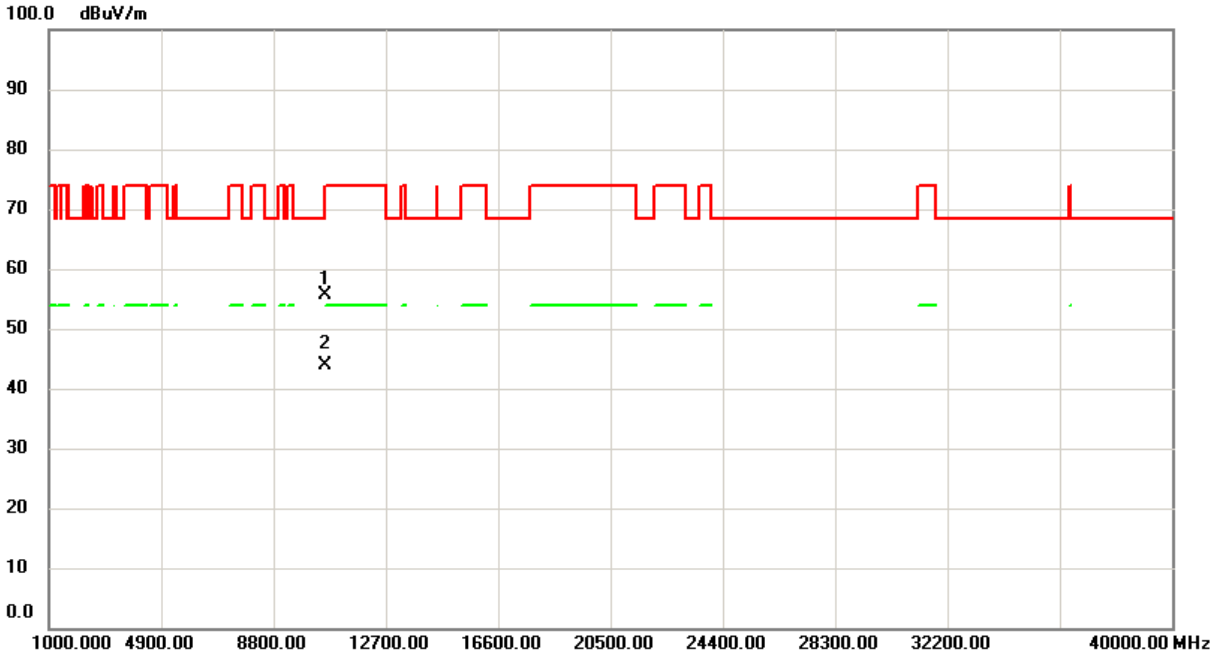
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5300MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10521.30	29.21	14.70	43.91	68.30	-24.39	AVG
2	* 10521.44	42.16	14.70	56.86	68.30	-11.44	peak

Antenna Polarization：Vertical

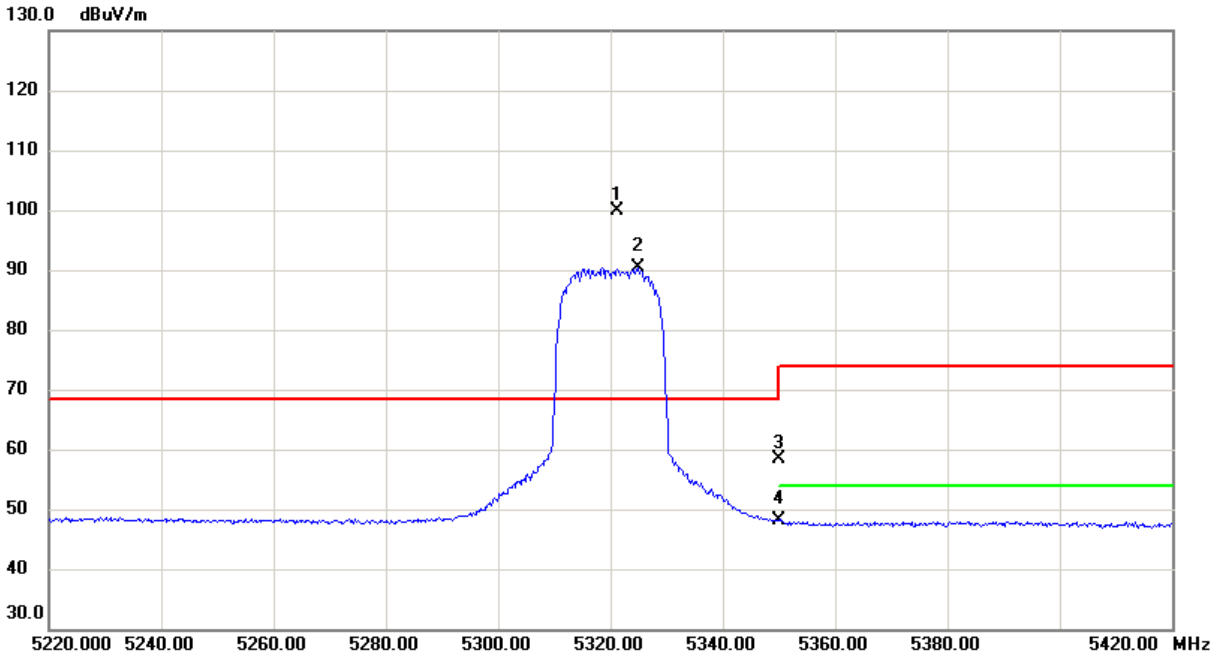


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10599.47	40.63	14.89	55.52	68.30	-12.78	peak
2	* 10602.09	28.98	14.89	43.87	54.00	-10.13	AVG

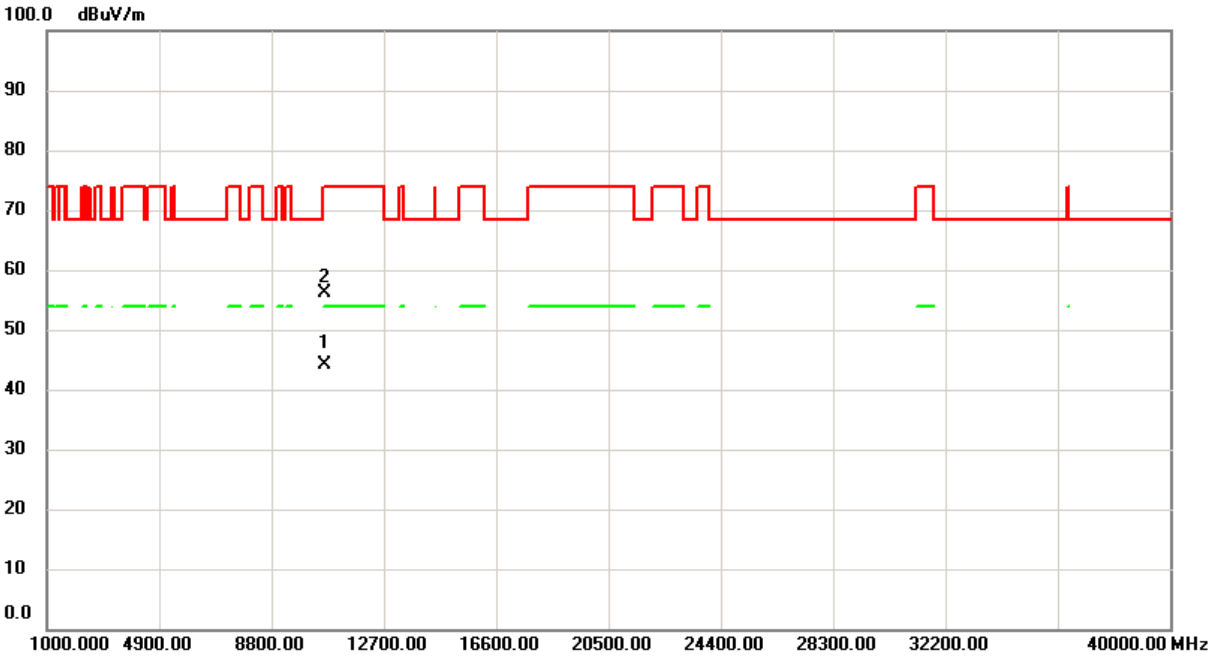
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5320MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

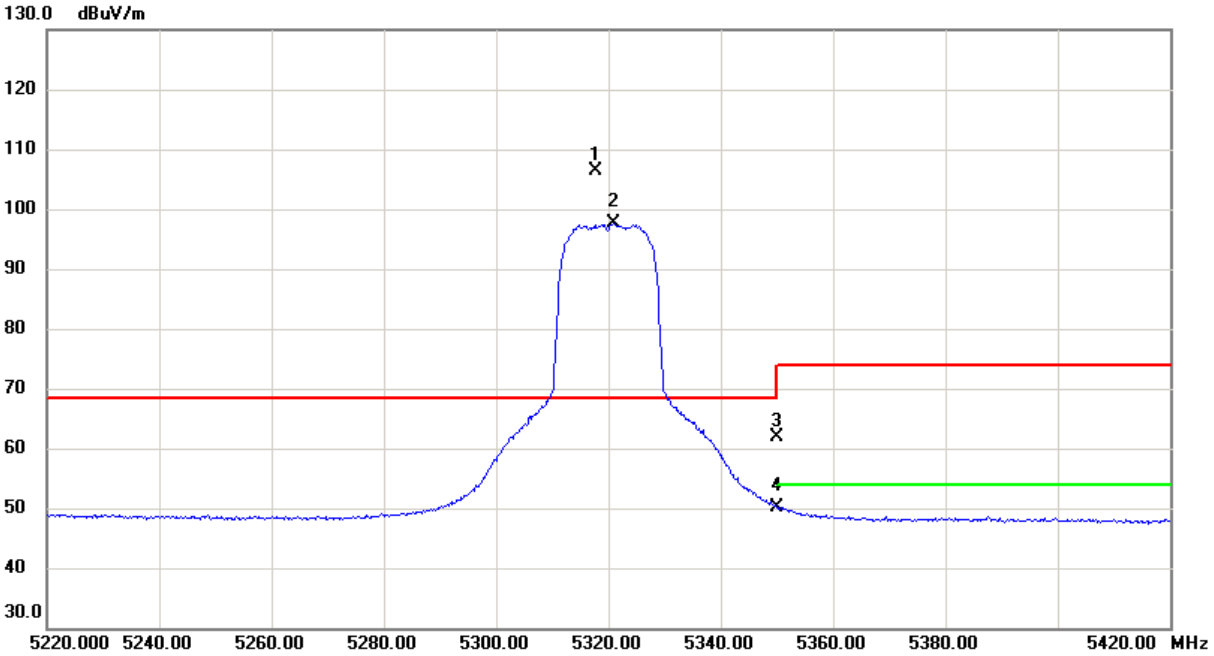


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5321.200	82.24	17.60	99.84	68.30	31.54	peak	Main wave signal cannot be determined
2	X	5325.000	72.73	17.59	90.32	68.30	22.02	AVG	Main wave signal cannot be determined
3		5350.000	40.72	17.55	58.27	74.00	-15.73	peak	
4		5350.000	30.48	17.55	48.03	54.00	-5.97	AVG	

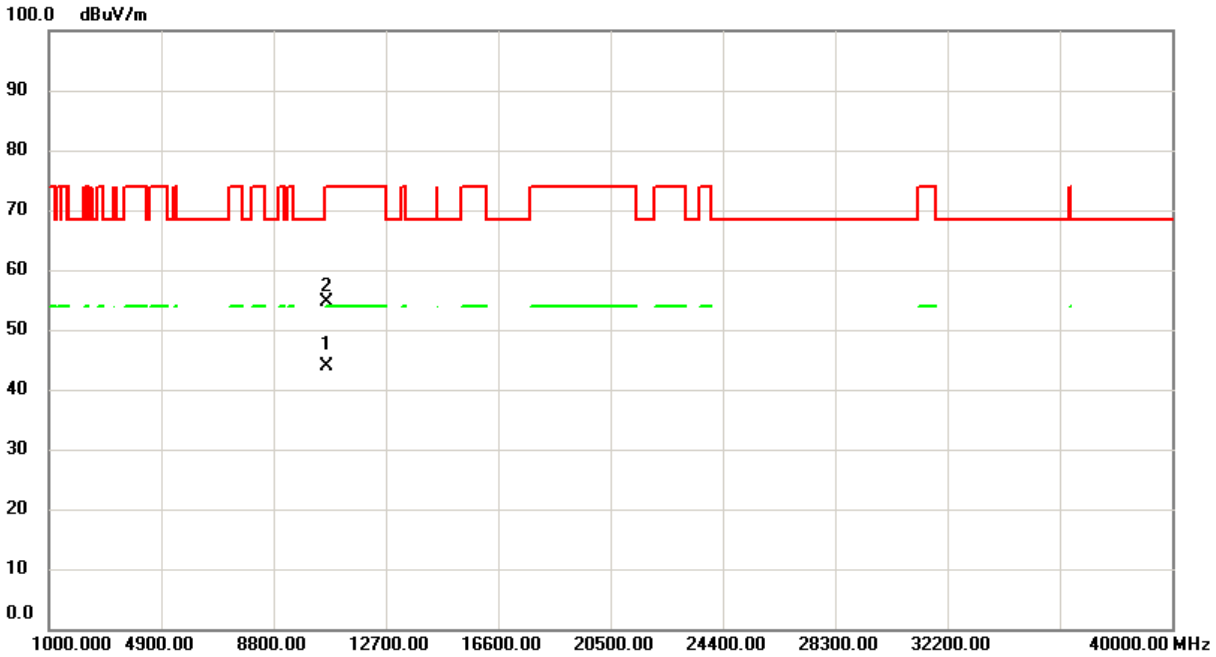


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10640.36	29.10	14.95	44.05	54.00	-9.95	AVG
2	10640.36	41.06	14.95	56.01	74.00	-17.99	peak

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5317.600	88.86	17.60	106.46	68.30	38.16	peak	Main wave signal cannot be determined
2	X	5320.800	79.95	17.60	97.55	68.30	29.25	AVG	Main wave signal cannot be determined
3		5350.000	44.28	17.55	61.83	74.00	-12.17	peak	
4		5350.000	32.58	17.55	50.13	54.00	-3.87	AVG	

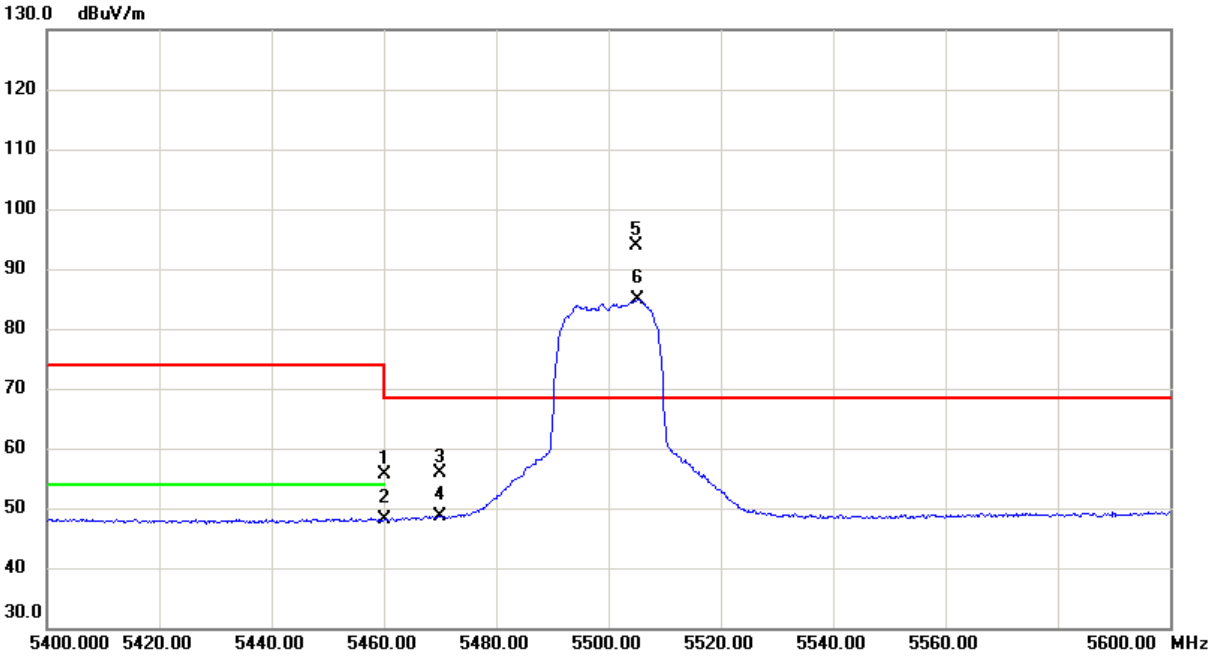


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10640.58	29.05	14.95	44.00	54.00	-10.00	AVG
2	10642.96	39.75	14.95	54.70	74.00	-19.30	peak

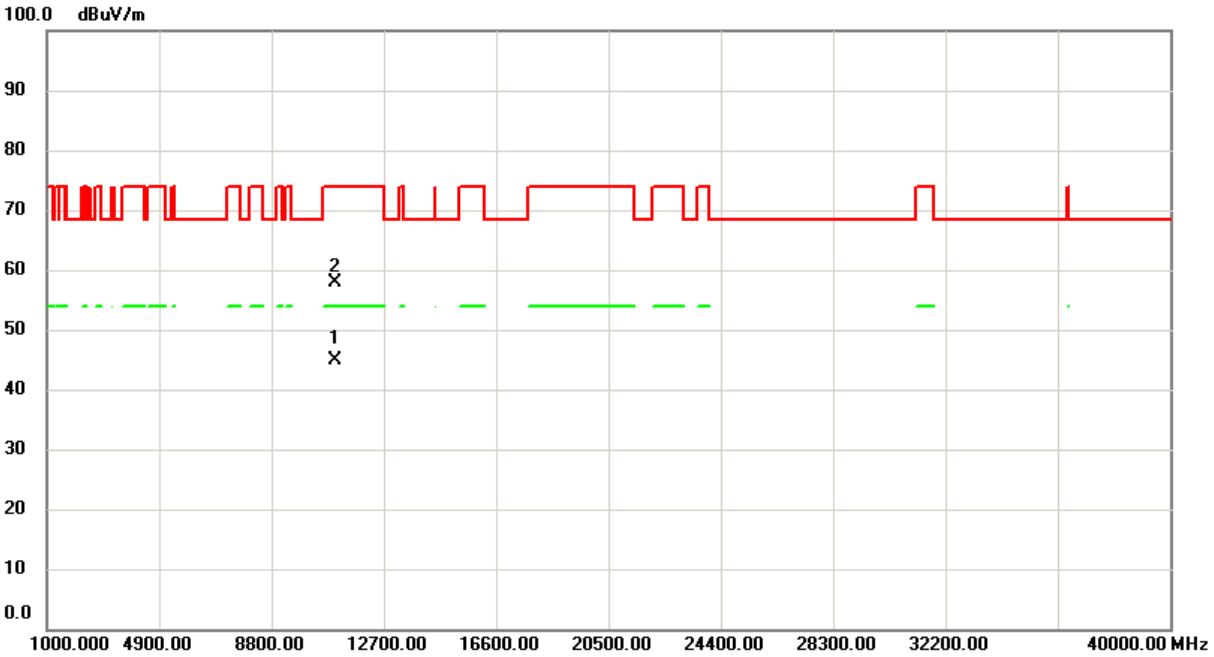
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5500MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

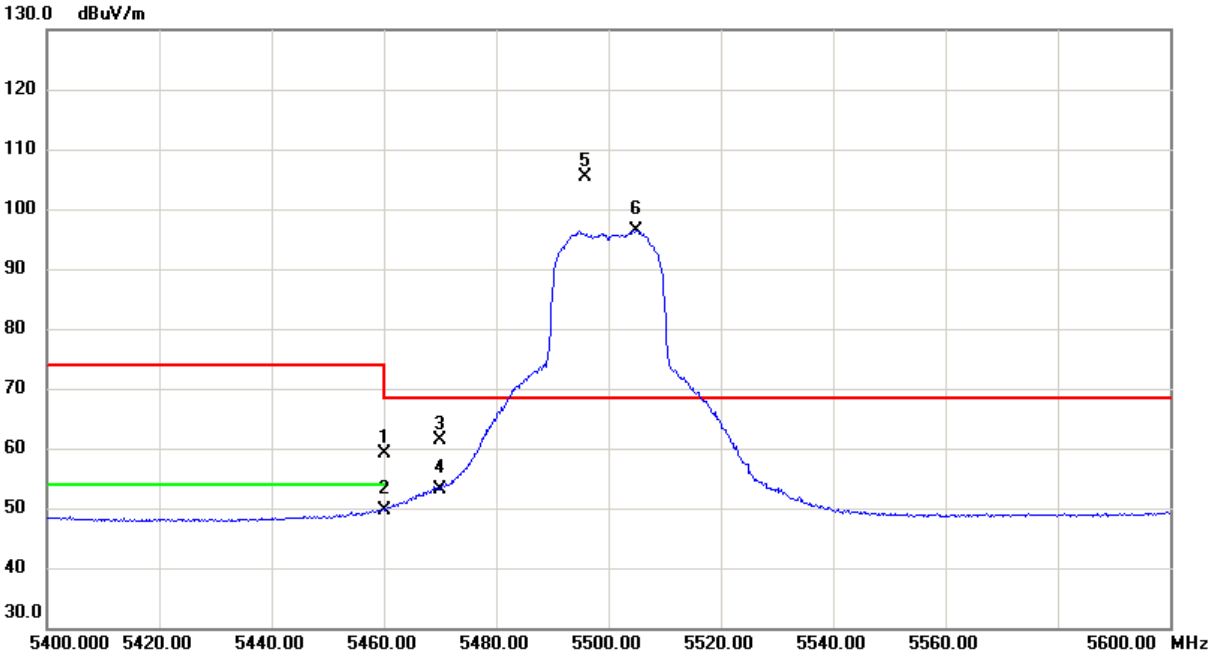


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	38.10	17.60	55.70	74.00	-18.30	peak	
2	5460.000	30.54	17.60	48.14	54.00	-5.86	AVG	
3	5470.000	38.34	17.62	55.96	68.30	-12.34	peak	
4	5470.000	30.99	17.62	48.61	68.30	-19.69	AVG	
5	* 5504.800	76.21	17.68	93.89	68.30	25.59	peak	Main wave signal cannot be determined
6	X 5505.200	67.29	17.68	84.97	68.30	16.67	AVG	Main wave signal cannot be determined

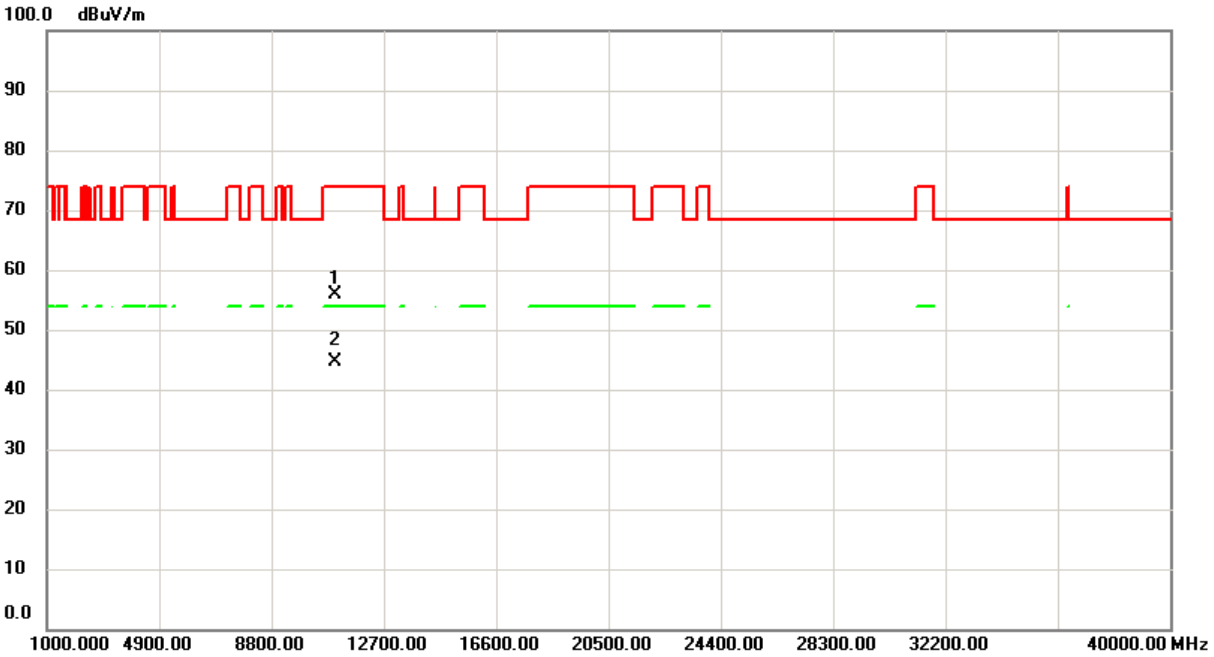


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10998.37	29.13	15.66	44.79	54.00	-9.21	AVG
2	10998.41	42.12	15.66	57.78	74.00	-16.22	peak

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	41.62	17.60	59.22	74.00	-14.78	peak	
2	5460.000	32.02	17.60	49.62	54.00	-4.38	AVG	
3	5470.000	43.88	17.62	61.50	68.30	-6.80	peak	
4	5470.000	35.58	17.62	53.20	68.30	-15.10	AVG	
5	* 5495.800	87.60	17.68	105.28	68.30	36.98	peak	Main wave signal cannot be determined
6	X 5505.000	78.80	17.68	96.48	68.30	28.18	AVG	Main wave signal cannot be determined

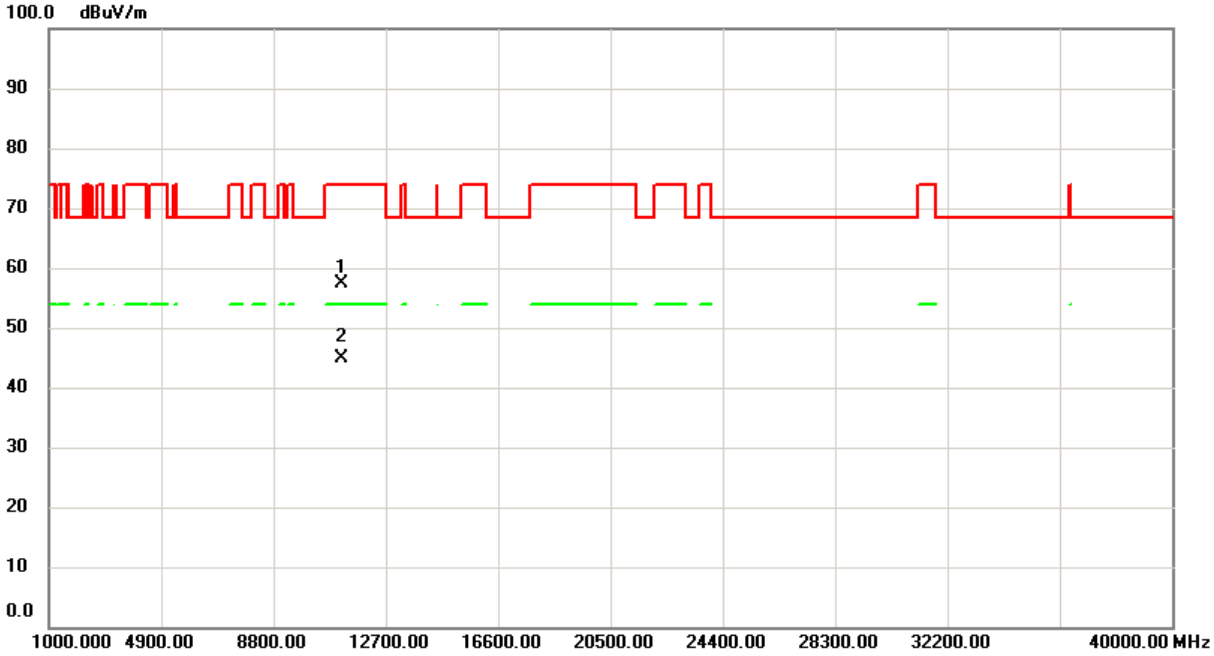


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10996.95	40.30	15.66	55.96	74.00	-18.04	peak
2	* 10997.10	29.08	15.66	44.74	54.00	-9.26	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

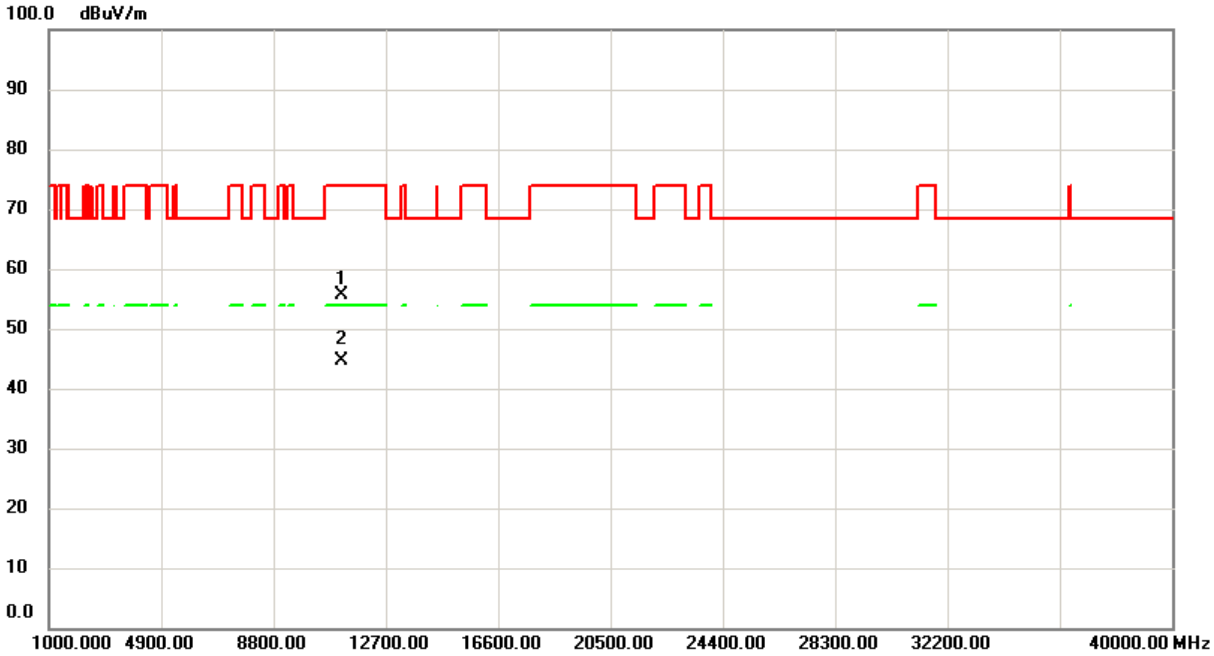
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5580MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11157.69	41.36	15.96	57.32	74.00	-16.68	peak
2	* 11160.76	28.90	15.96	44.86	54.00	-9.14	AVG

Antenna Polarization：Vertical

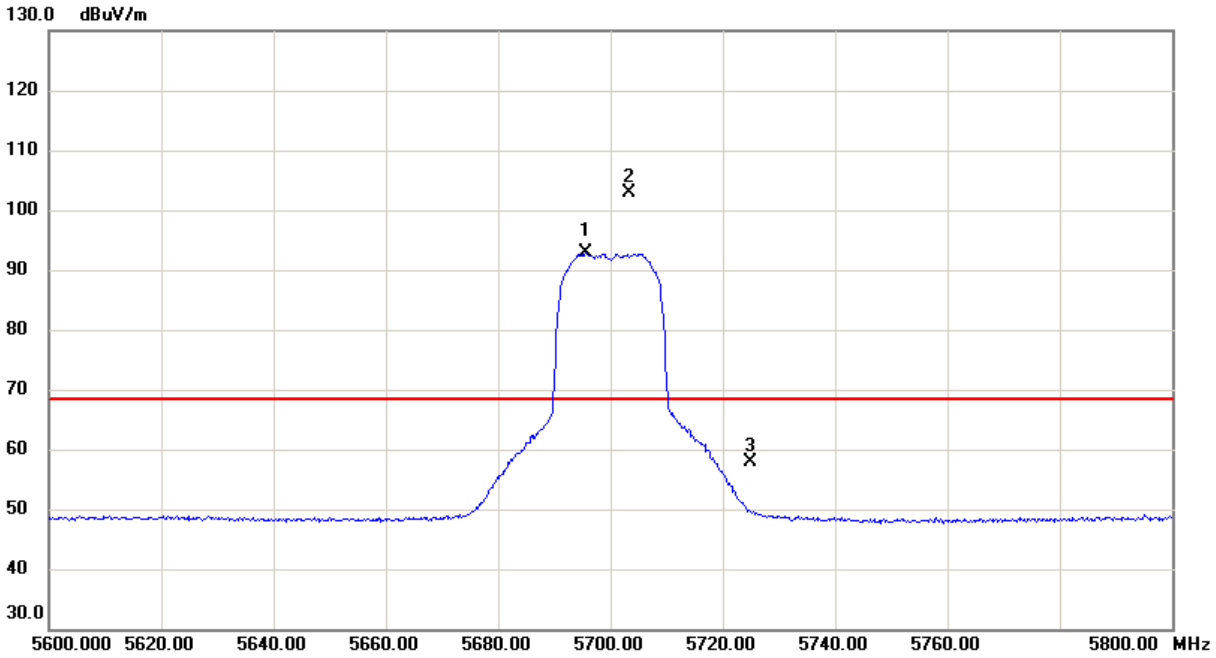


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11162.33	39.74	15.96	55.70	74.00	-18.30	peak
2	* 11163.09	28.75	15.96	44.71	54.00	-9.29	AVG

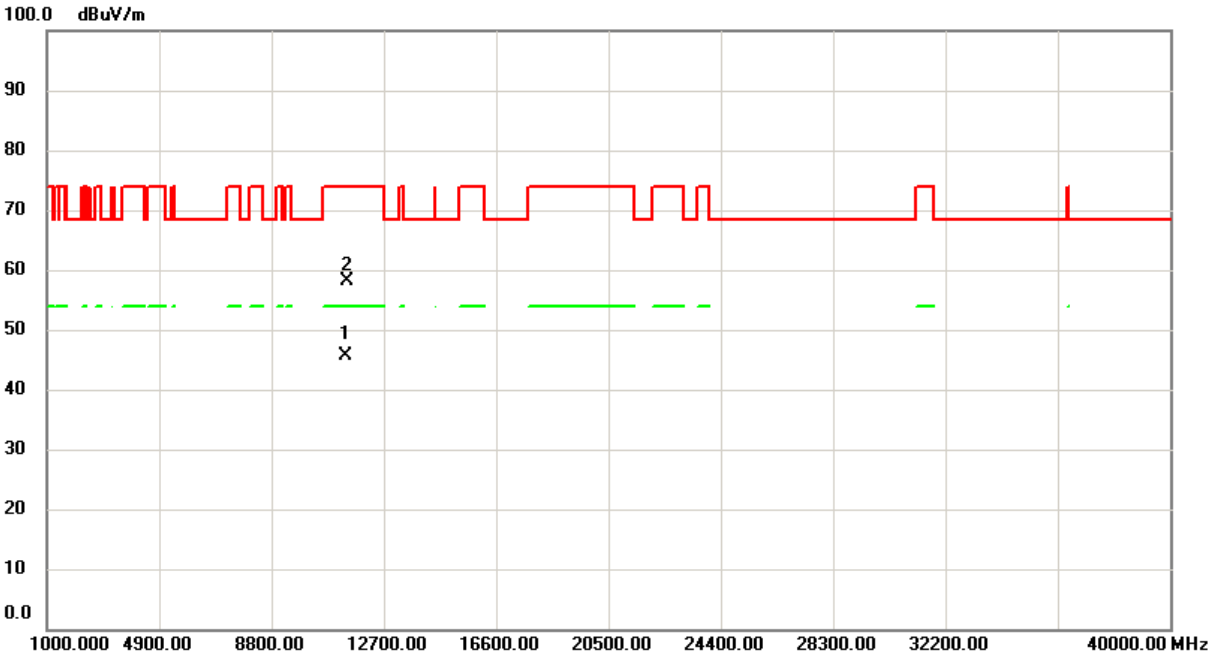
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5700MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

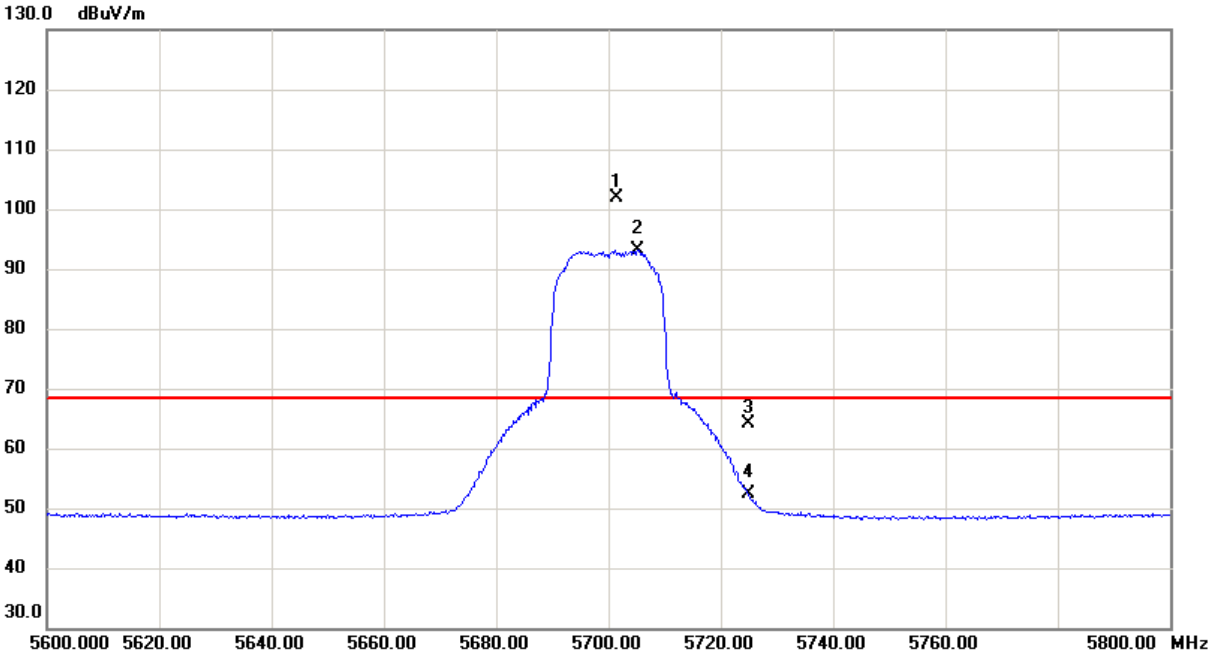


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5695.600	75.26	17.59	92.85	68.30	24.55	AVG	Main wave signal cannot be determined
2	*	5703.400	85.28	17.59	102.87	68.30	34.57	peak	Main wave signal cannot be determined
3		5725.000	40.21	17.60	57.81	68.30	-10.49	peak	

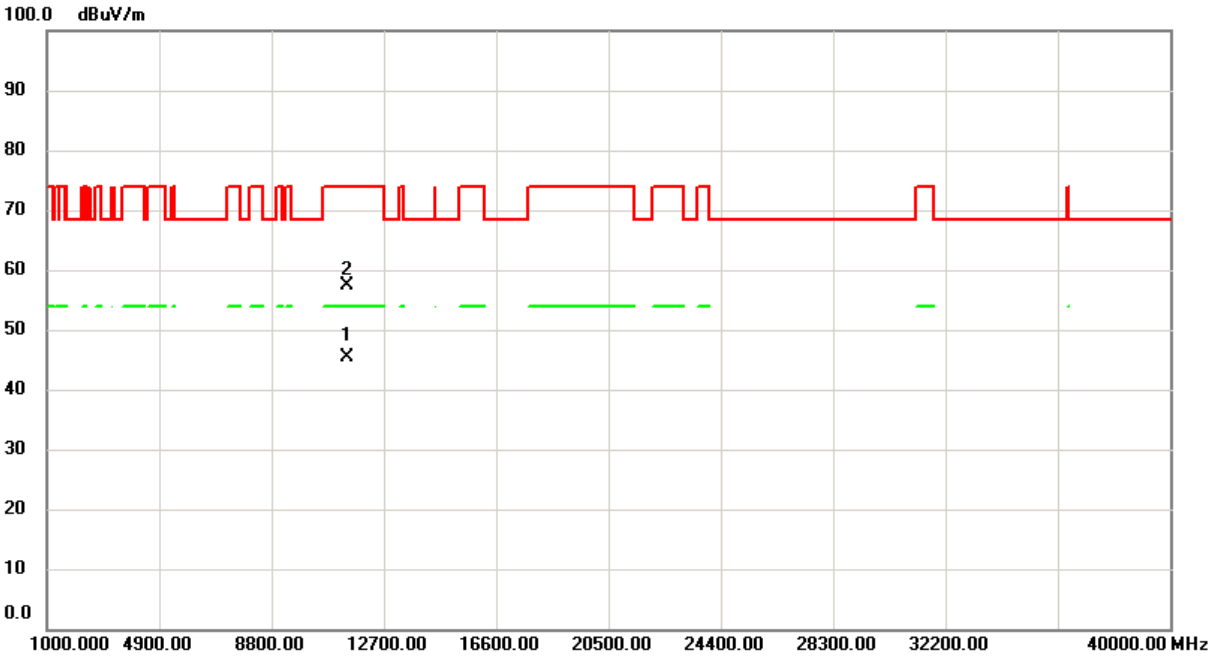


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11399.15	29.16	16.36	45.52	54.00	-8.48	AVG
2	11401.45	41.84	16.36	58.20	74.00	-15.80	peak

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5701.400	84.39	17.59	101.98	68.30	33.68	peak	Main wave signal cannot be determined
2	X	5705.200	75.60	17.59	93.19	68.30	24.89	AVG	Main wave signal cannot be determined
3		5725.000	46.64	17.60	64.24	68.30	-4.06	peak	
4		5725.000	34.79	17.60	52.39	68.30	-15.91	AVG	

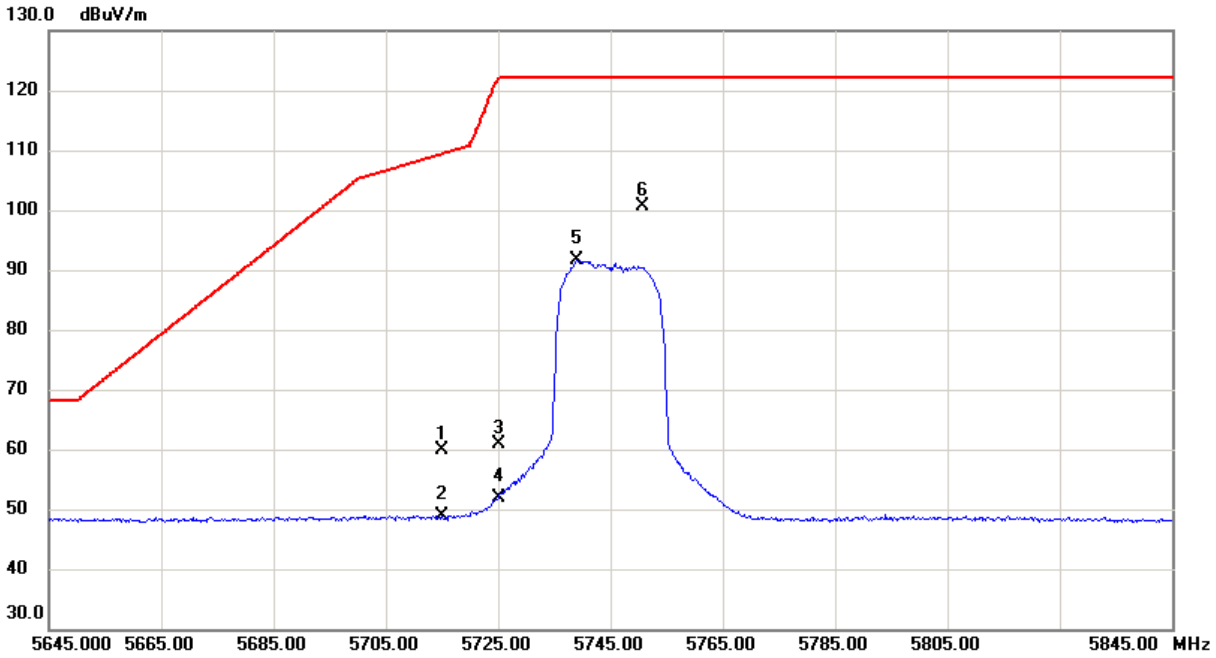


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11402.16	28.90	16.36	45.26	54.00	-8.74	AVG
2	11404.62	40.93	16.36	57.29	74.00	-16.71	peak

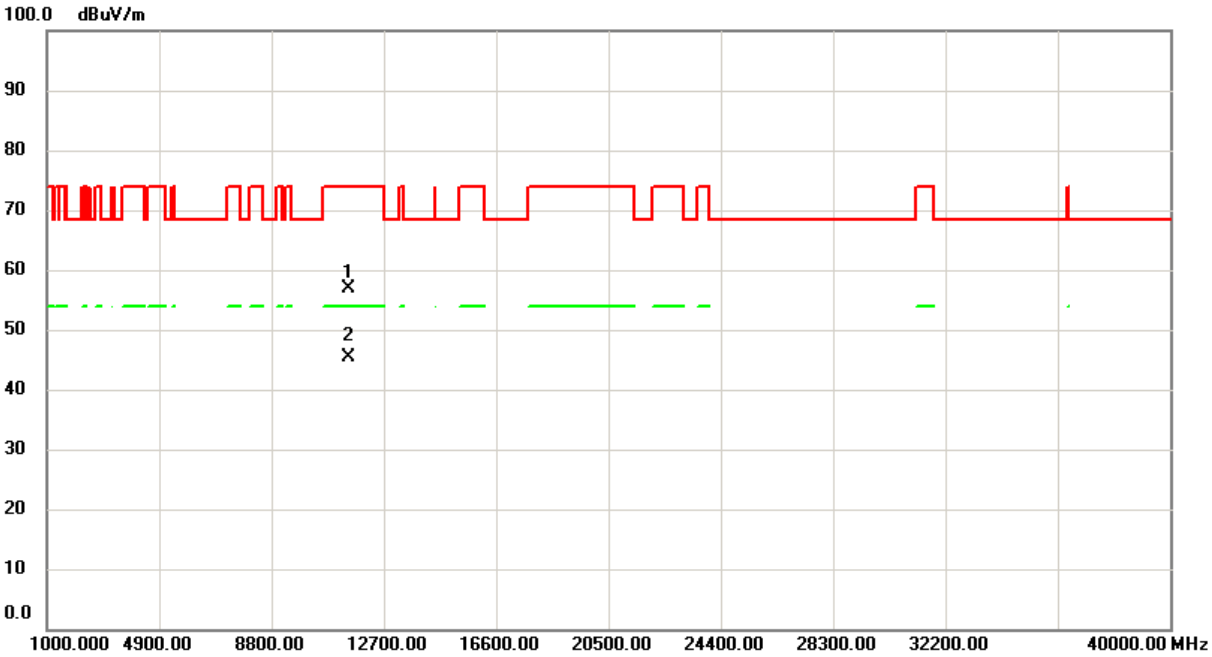
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5745MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

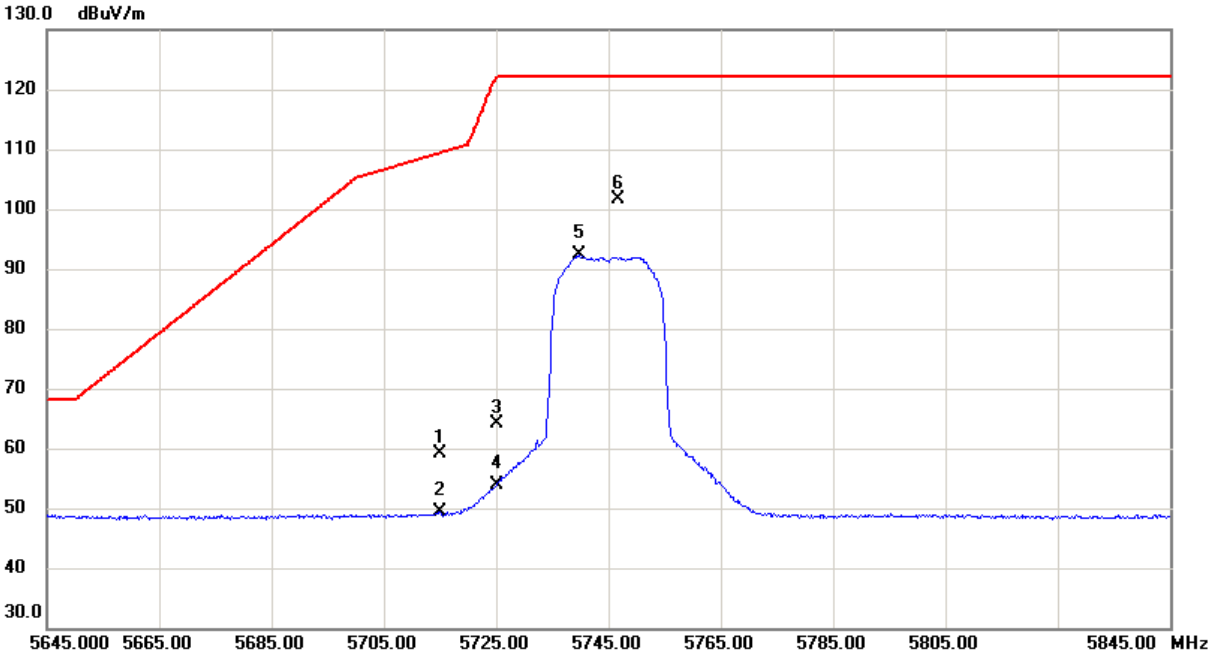


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	42.31	17.60	59.91	109.4	-49.49	peak	
2	5715.000	31.16	17.60	48.76	109.4	-60.64	AVG	
3	5725.000	43.31	17.60	60.91	122.2	-61.29	peak	
4	5725.000	34.37	17.60	51.97	122.2	-70.23	AVG	
5	5739.000	74.07	17.61	91.68	122.2	-30.52	AVG	Main wave signal cannot be determined
6	* 5750.600	82.94	17.62	100.56	122.2	-21.64	peak	Main wave signal cannot be determined

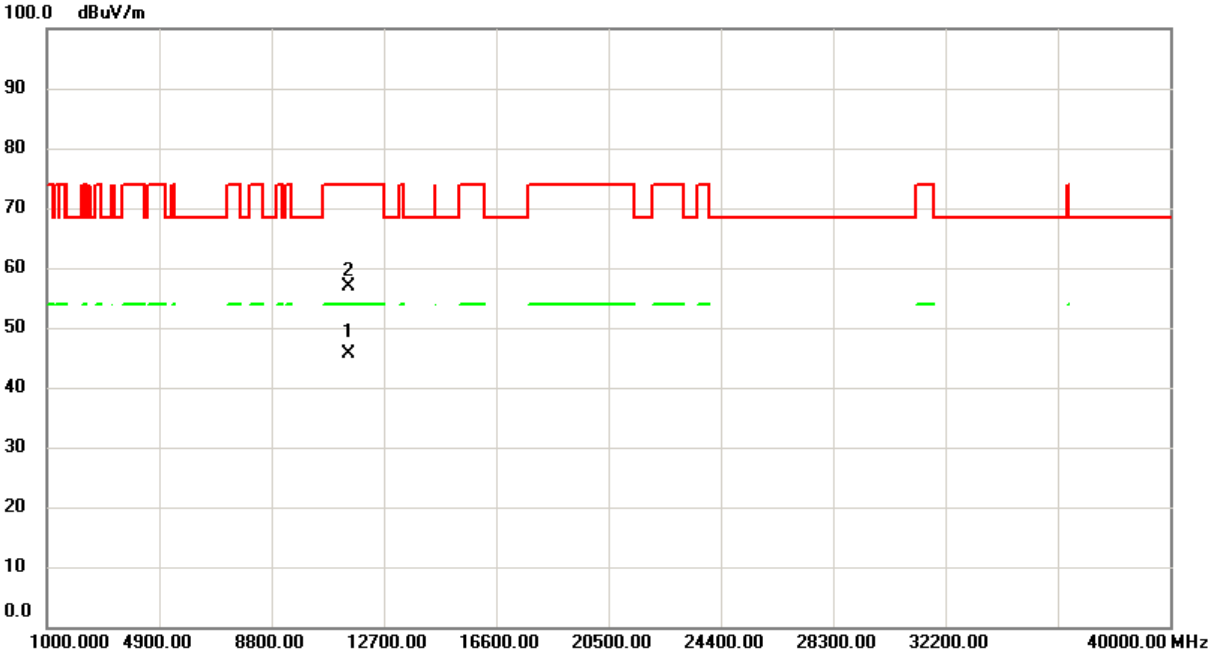


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11489.07	40.46	16.48	56.94	74.00	-17.06	peak
2	* 11493.70	28.89	16.48	45.37	54.00	-8.63	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	41.45	17.60	59.05	109.4	-50.35	peak	
2	5715.000	31.67	17.60	49.27	109.4	-60.13	AVG	
3	5725.000	46.65	17.60	64.25	122.2	-57.95	peak	
4	5725.000	36.32	17.60	53.92	122.2	-68.28	AVG	
5	5739.800	74.68	17.61	92.29	122.2	-29.91	AVG	Main wave signal cannot be determined
6	* 5746.800	84.06	17.61	101.67	122.2	-20.53	peak	Main wave signal cannot be determined

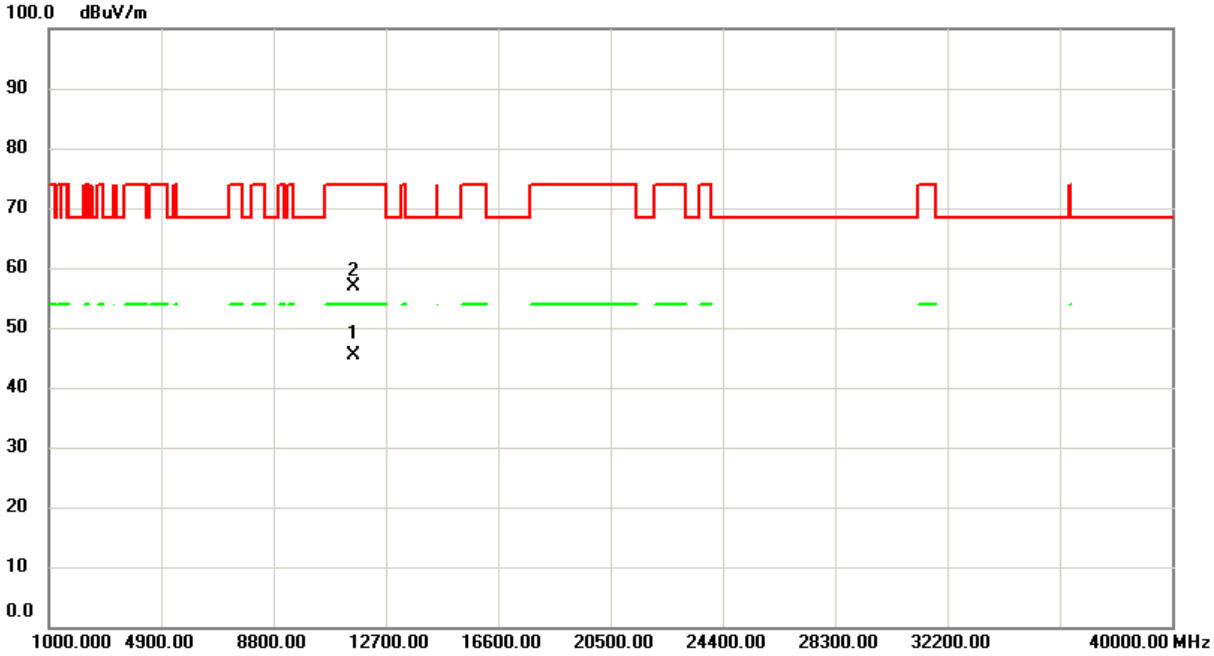


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11485.90	29.05	16.48	45.53	54.00	-8.47	AVG
2	11491.77	40.31	16.48	56.79	74.00	-17.21	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

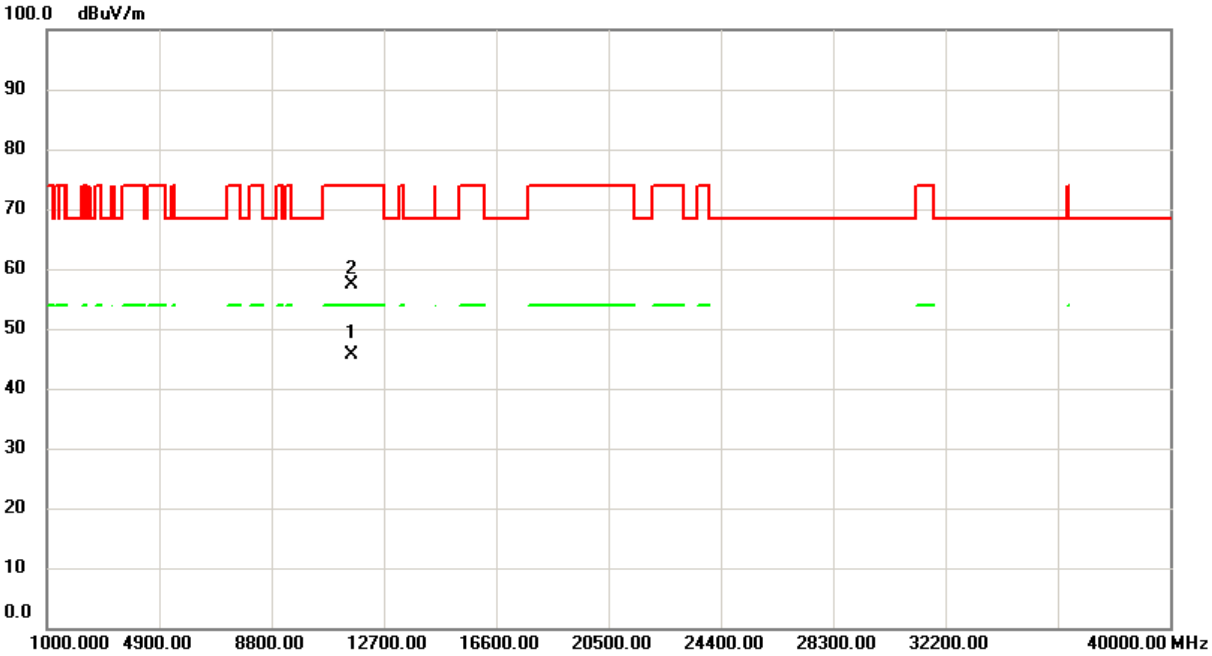
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5785MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over	
	MHz	dBuV	dB	dBuV/m	dB	Detector Comment
1	* 11565.27	28.75	16.71	45.46	54.00	-8.54 AVG
2	11565.83	40.29	16.71	57.00	74.00	-17.00 peak

Antenna Polarization：Vertical

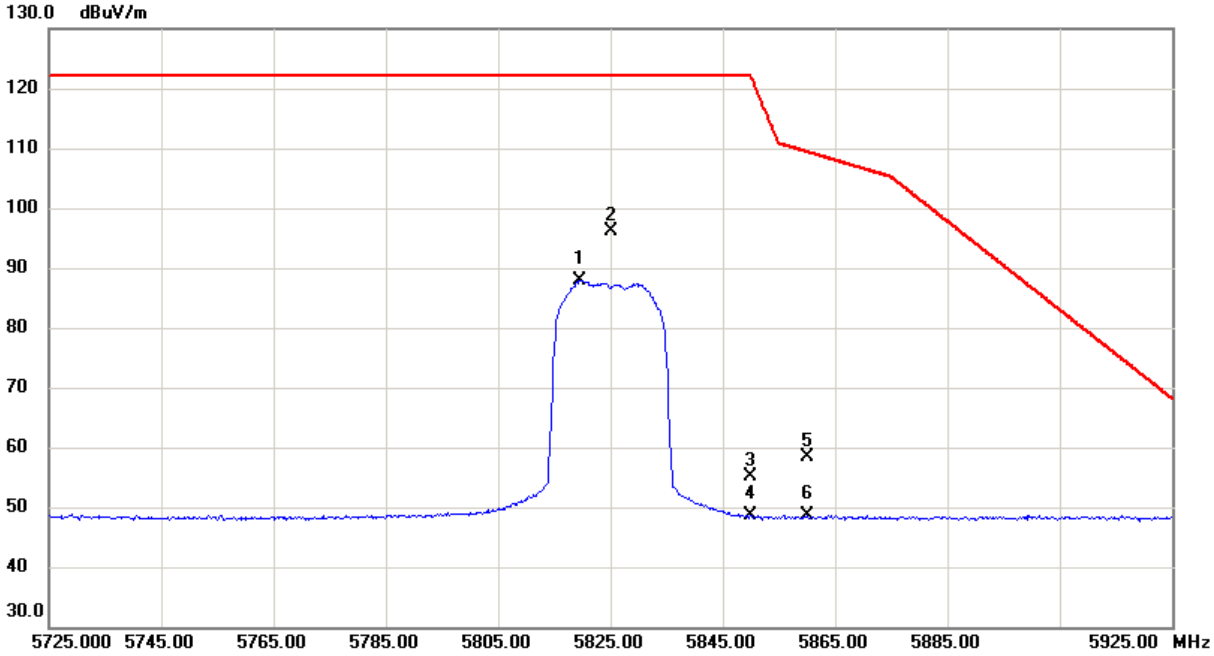


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11565.72	28.86	16.71	45.57	54.00	-8.43	AVG
2	11566.90	40.60	16.71	57.31	74.00	-16.69	peak

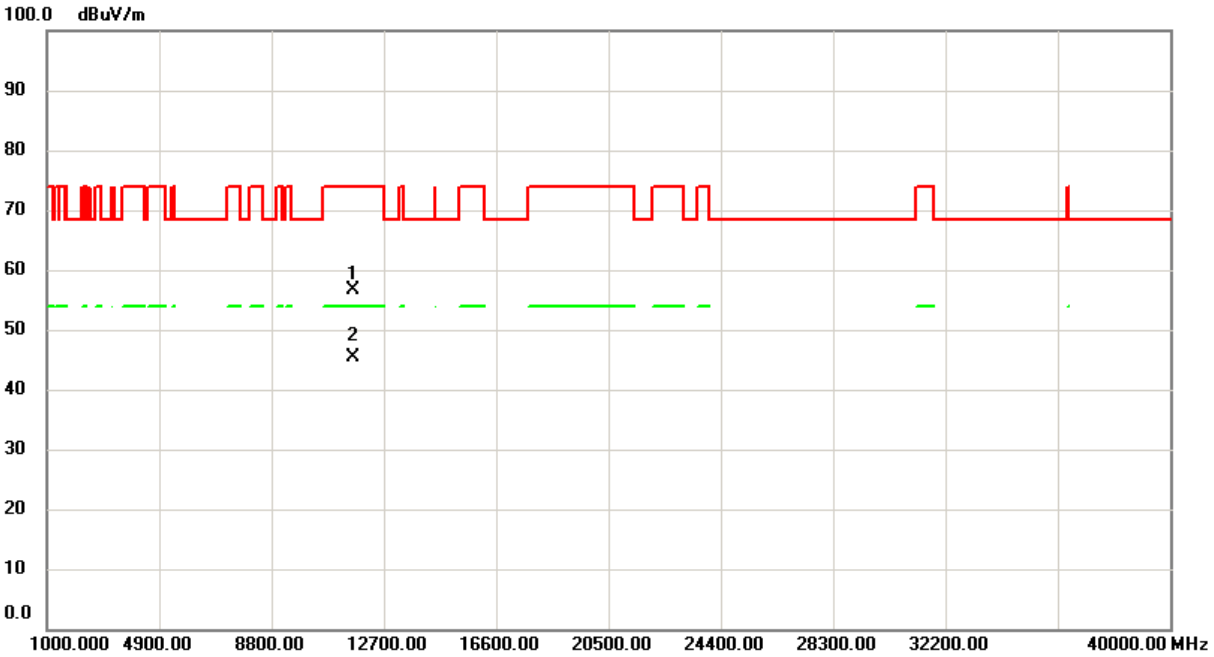
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 20
Detector Type:	PK. and AV.	L.O.:	5825MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

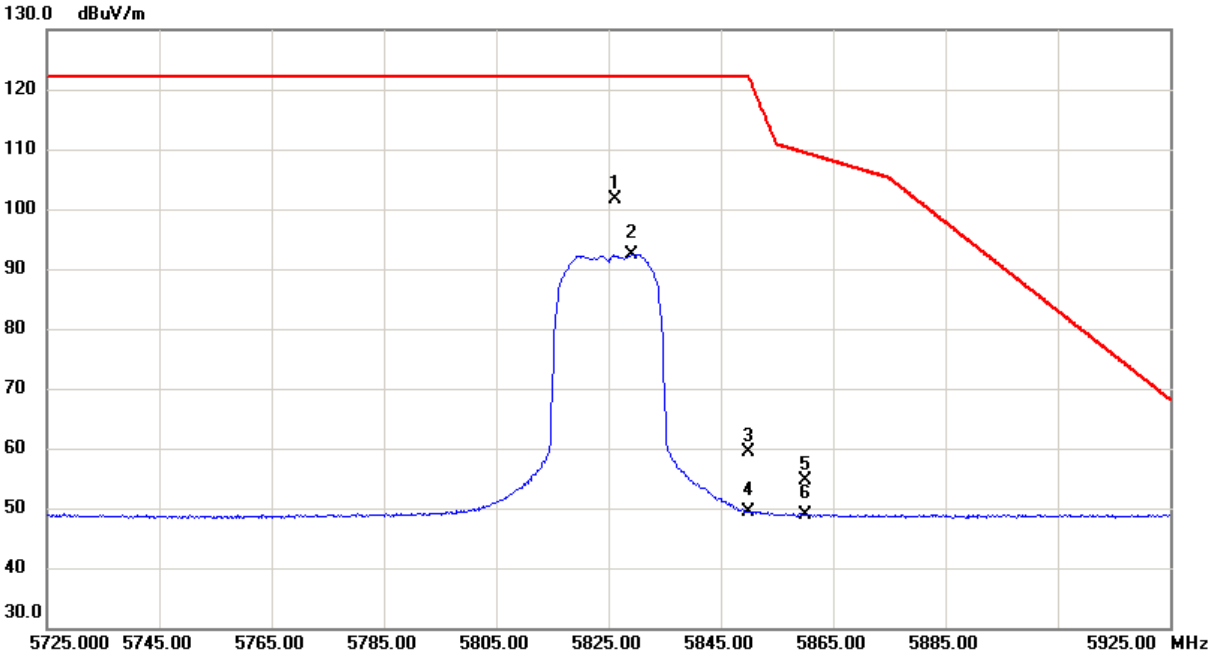


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5819.600	70.22	17.75	87.97	122.2	-34.23	AVG	Main wave signal cannot be determined
2	* 5825.000	78.47	17.75	96.22	122.2	-25.98	peak	Main wave signal cannot be determined
3	5850.000	37.42	17.76	55.18	122.2	-67.02	peak	
4	5850.000	30.76	17.76	48.52	122.2	-73.68	AVG	
5	5860.000	40.51	17.79	58.30	109.4	-51.10	peak	
6	5860.000	30.90	17.79	48.69	109.4	-60.71	AVG	

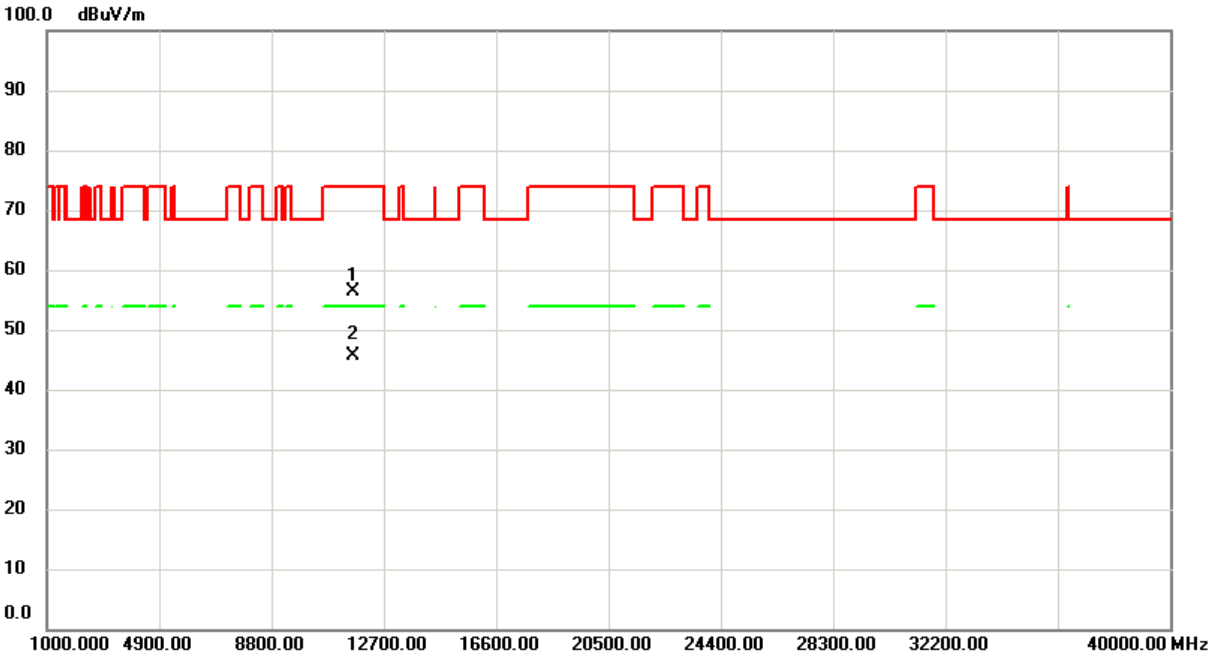


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11645.23	39.75	16.94	56.69	74.00	-17.31	peak
2	* 11646.66	28.48	16.94	45.42	54.00	-8.58	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	* 5826.200	83.96	17.75	101.71	122.2	-20.49	peak	Main wave signal cannot be determined
2	5829.200	74.68	17.75	92.43	122.2	-29.77	AVG	Main wave signal cannot be determined
3	5850.000	41.53	17.76	59.29	122.2	-62.91	peak	
4	5850.000	31.58	17.76	49.34	122.2	-72.86	AVG	
5	5860.000	36.91	17.79	54.70	109.4	-54.70	peak	
6	5860.000	31.01	17.79	48.80	109.4	-60.60	AVG	

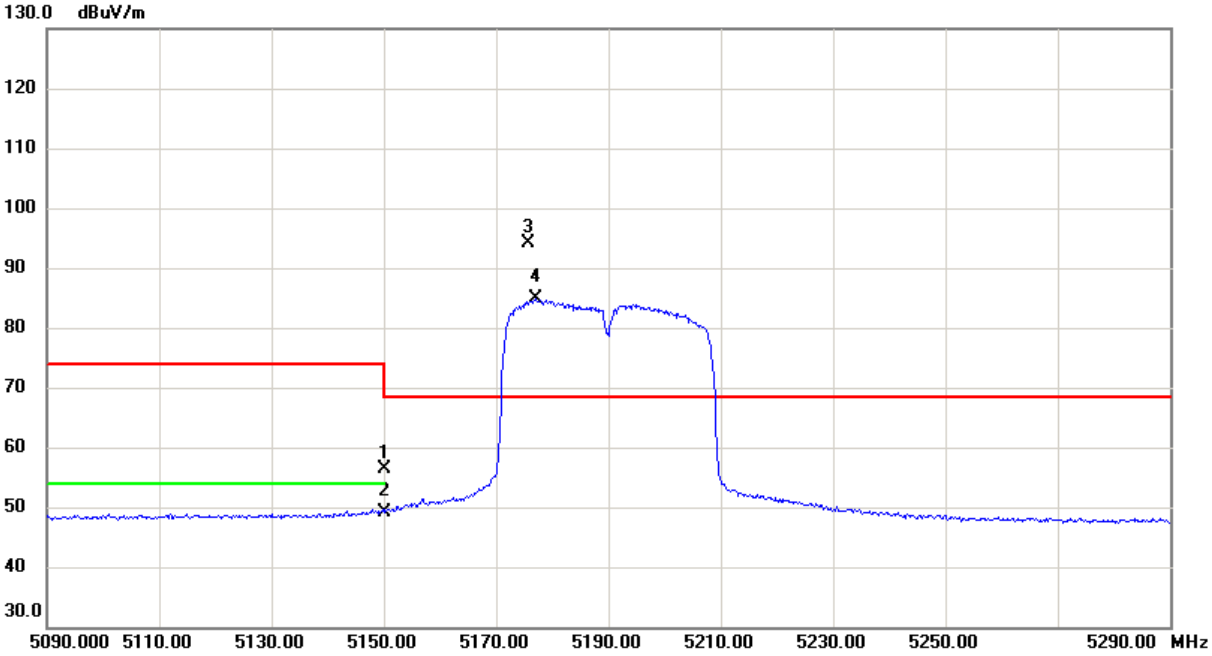


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11645.60	39.50	16.94	56.44	74.00	-17.56	peak
2	* 11647.08	28.70	16.94	45.64	54.00	-8.36	AVG

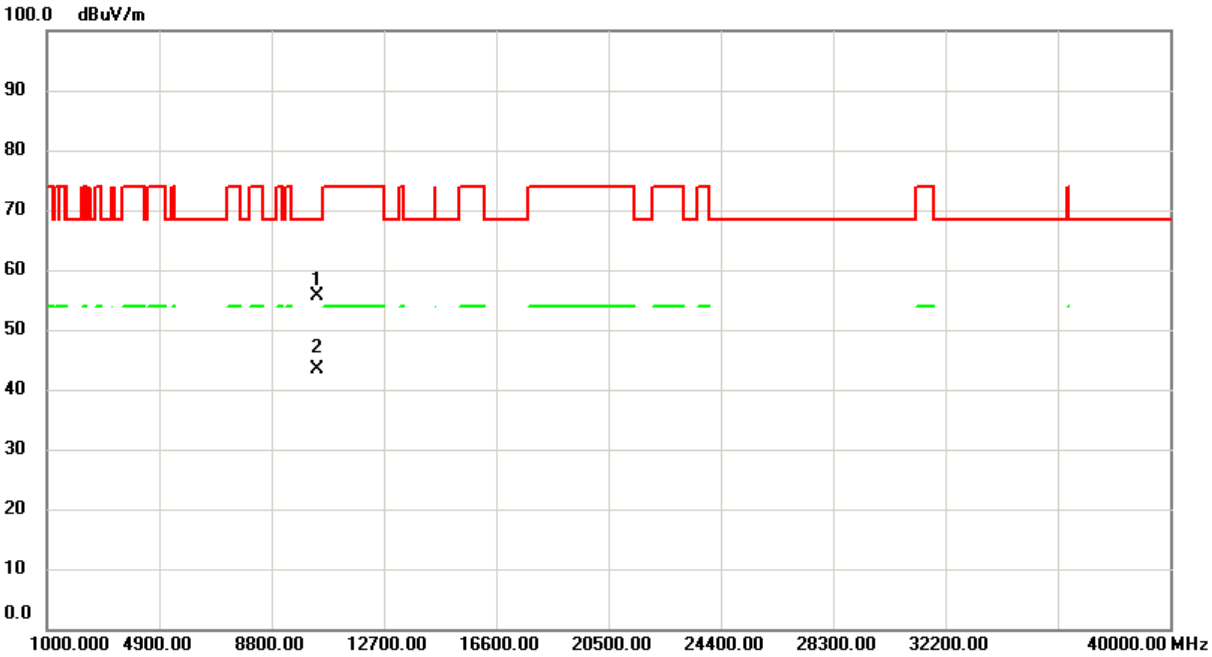
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5190MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

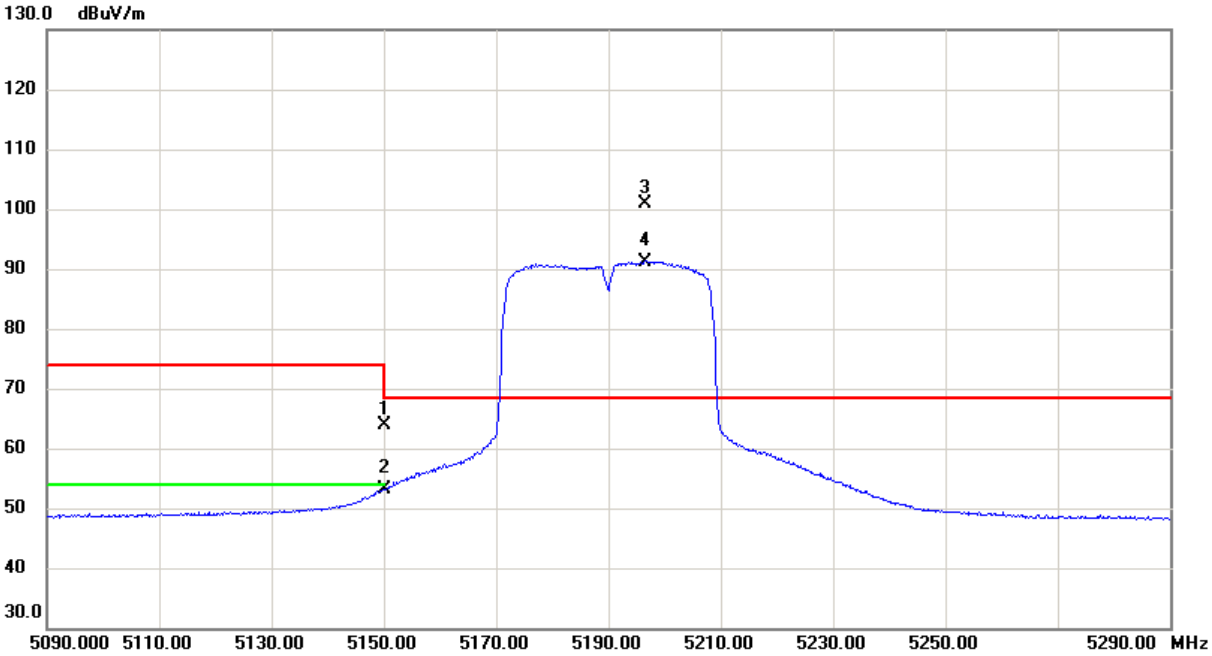


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	39.05	17.21	56.26	74.00	-17.74	peak	
2	5150.000	32.03	17.21	49.24	54.00	-4.76	AVG	
3	* 5175.800	76.73	17.32	94.05	68.30	25.75	peak	Main wave signal cannot be determined
4	X 5177.200	67.49	17.33	84.82	68.30	16.52	AVG	Main wave signal cannot be determined

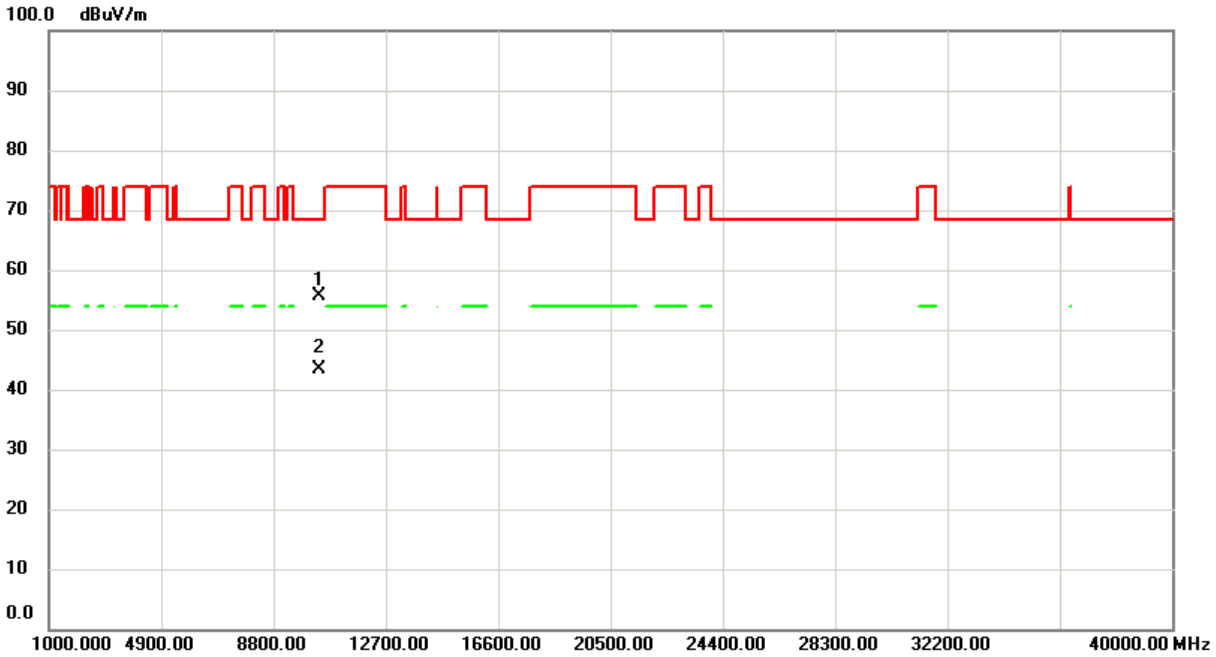


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10376.02	41.34	14.39	55.73	68.30	-12.57	peak
2	10380.99	28.97	14.40	43.37	68.30	-24.93	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	46.65	17.21	63.86	74.00	-10.14	peak	
2	5150.000	35.91	17.21	53.12	54.00	-0.88	AVG	
3	* 5196.600	83.47	17.41	100.88	68.30	32.58	peak	Main wave signal cannot be determined
4	X 5196.600	73.84	17.41	91.25	68.30	22.95	AVG	Main wave signal cannot be determined

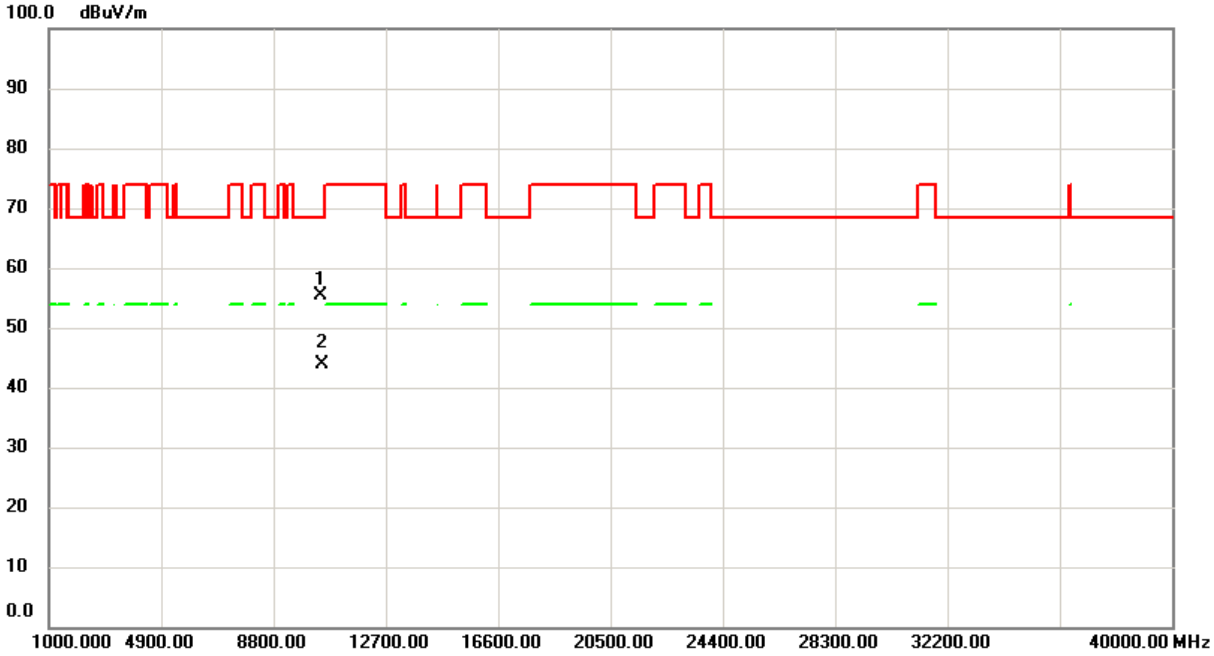


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10377.25	41.28	14.39	55.67	68.30	-12.63	peak
2	10383.72	28.99	14.40	43.39	68.30	-24.91	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

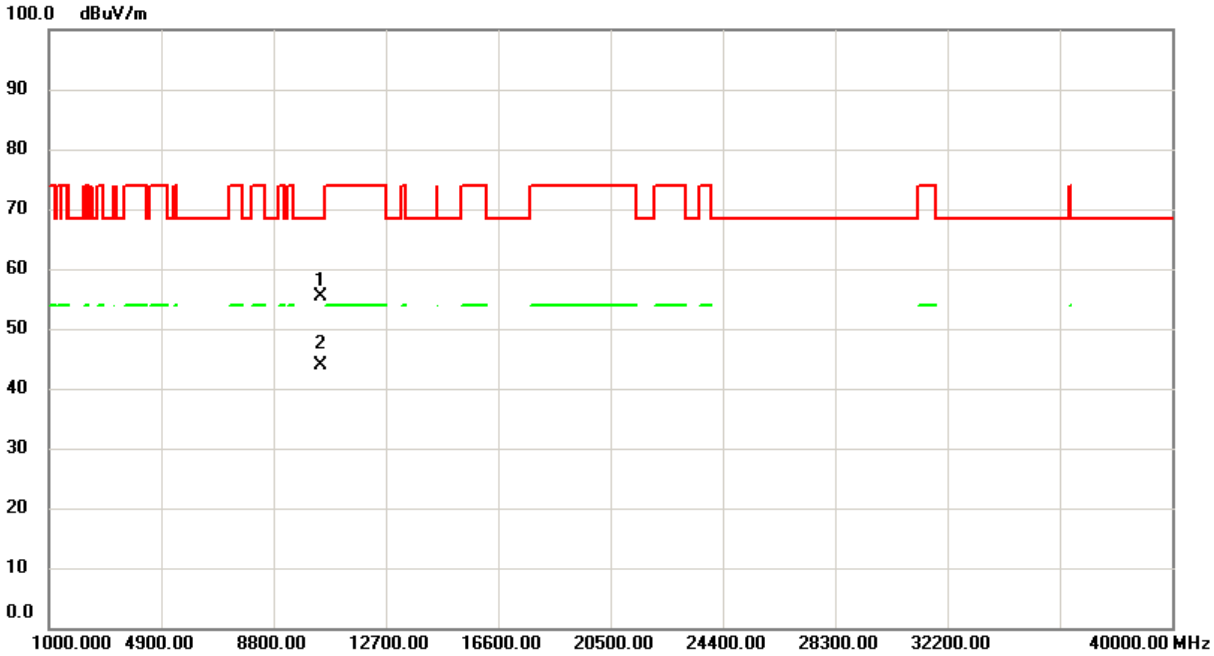
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5230MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10457.45	40.89	14.57	55.46	68.30	-12.84	peak
2	10464.18	29.25	14.57	43.82	68.30	-24.48	AVG

Antenna Polarization：Vertical

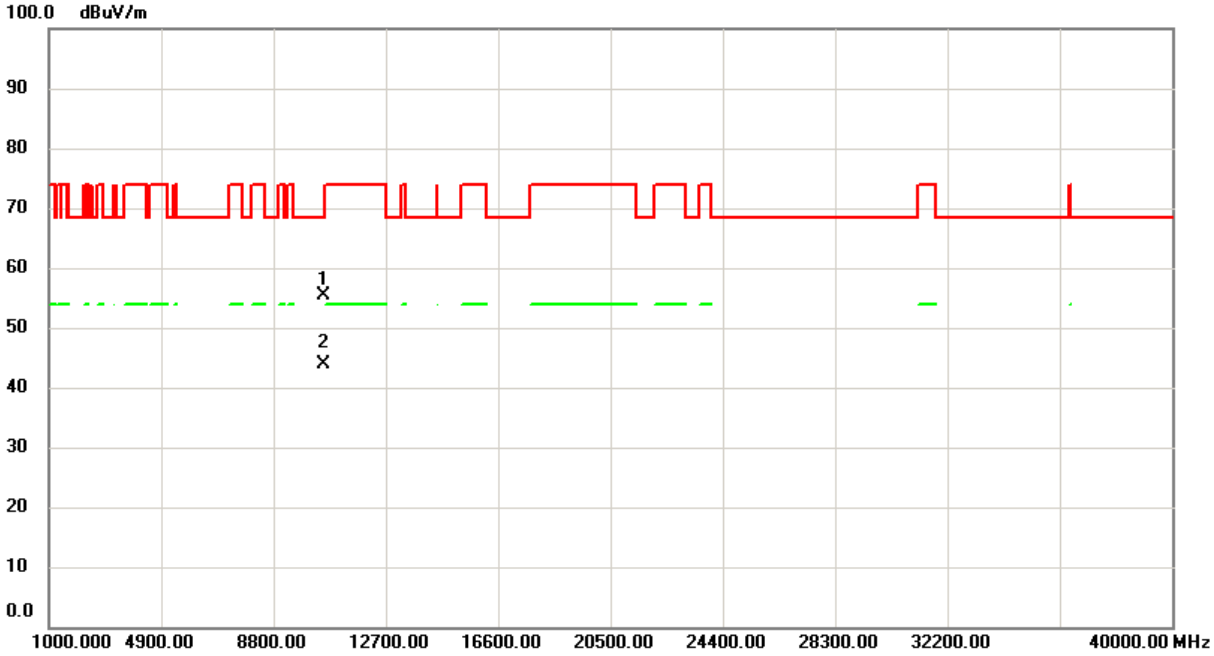


No.	Mk.	Freq.	Level	Factor	ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	10458.04	40.76	14.57	55.33	68.30	-12.97	peak
2		10462.90	29.20	14.57	43.77	68.30	-24.53	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

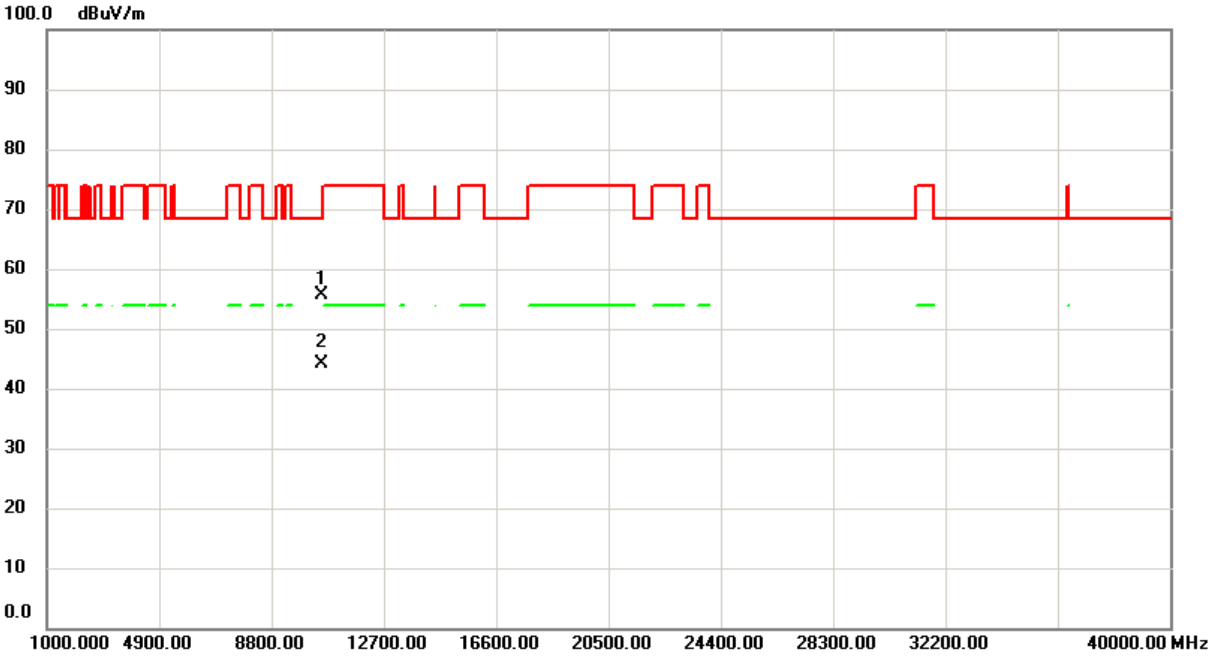
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5270MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10540.00	40.76	14.74	55.50	68.30	-12.80	peak
2	10541.41	29.15	14.75	43.90	68.30	-24.40	AVG

Antenna Polarization：Vertical

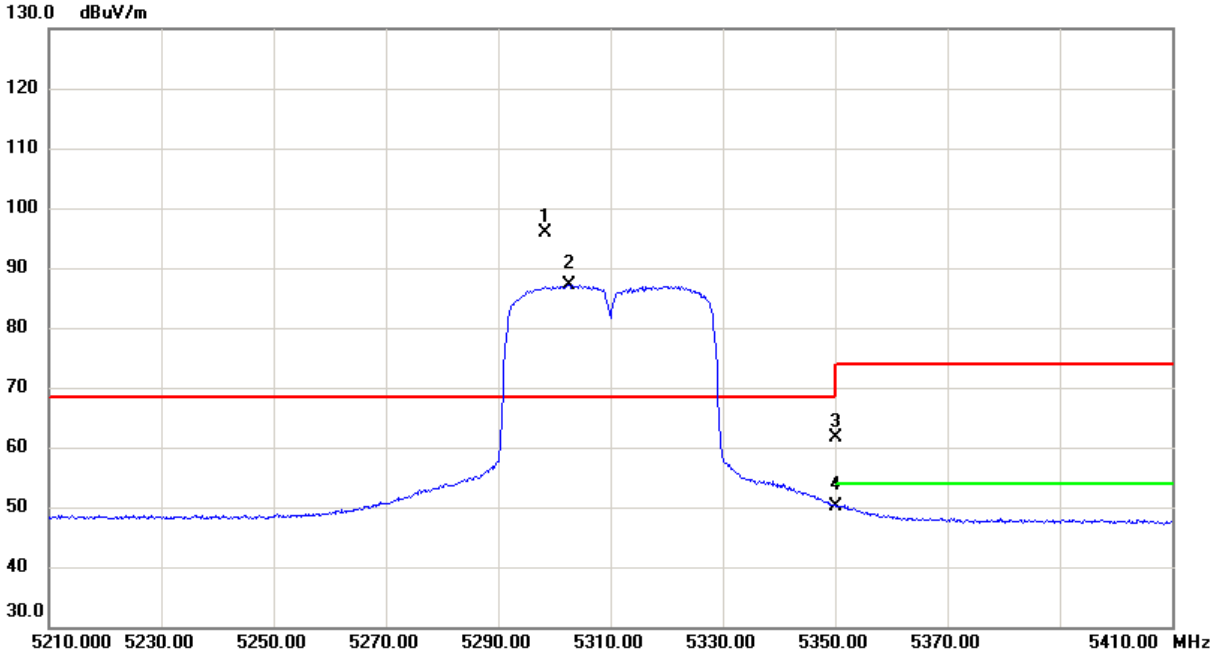


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over	
	MHz	dBuV	dB	dBuV/m	dB	Detector Comment
1	* 10537.77	40.92	14.74	55.66	68.30	-12.64 peak
2	10544.32	29.37	14.76	44.13	68.30	-24.17 AVG

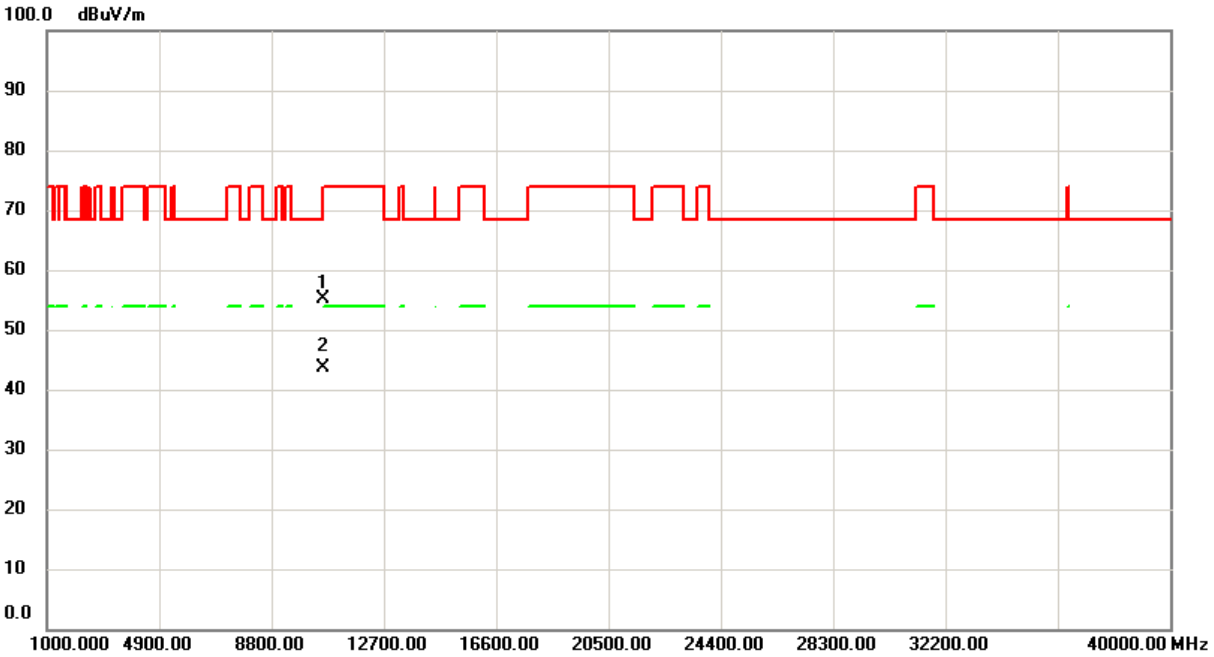
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5310MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

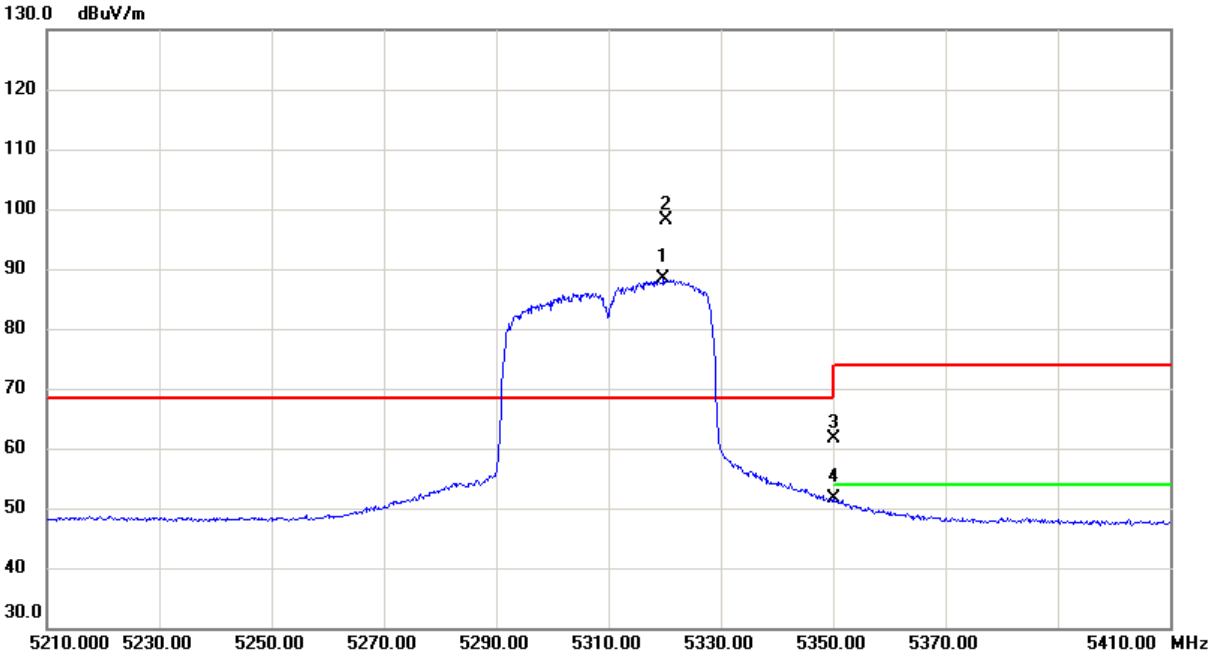


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over		
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	5298.400	78.28	17.64	95.92	68.30	27.62	peak	Main wave signal cannot be determined
2	X	5302.600	69.43	17.63	87.06	68.30	18.76	AVG	Main wave signal cannot be determined
3		5350.000	44.02	17.55	61.57	74.00	-12.43	peak	
4		5350.000	32.61	17.55	50.16	54.00	-3.84	AVG	

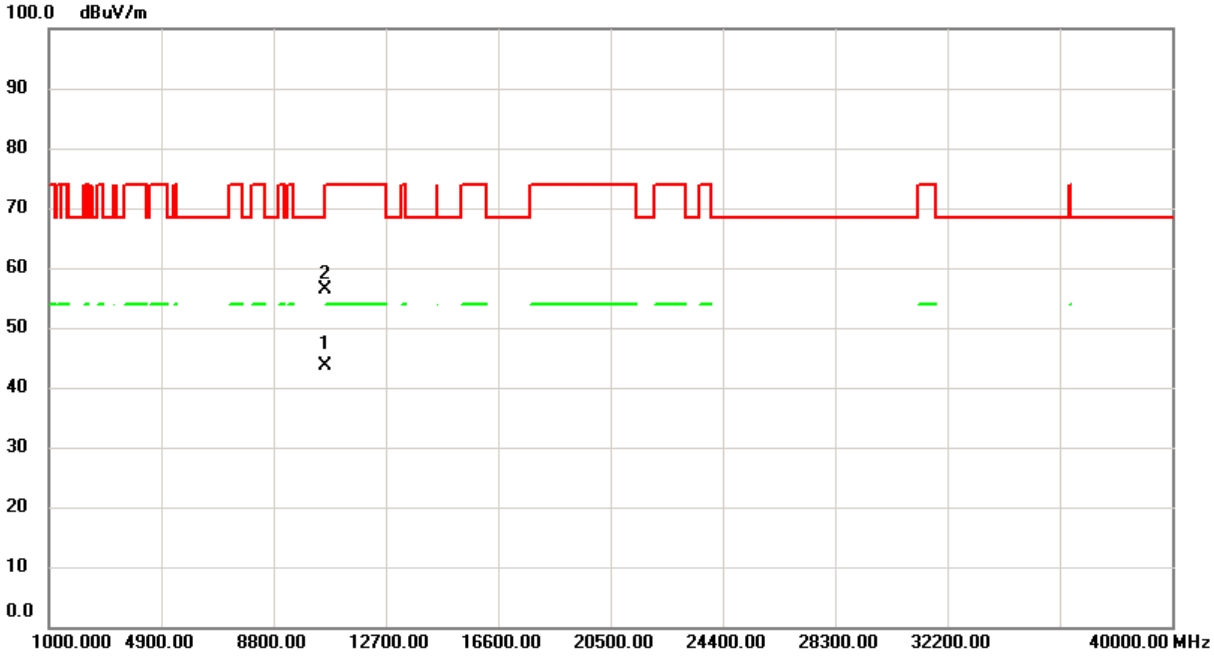


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10616.01	40.27	14.91	55.18	74.00	-18.82	peak
2	* 10616.21	28.76	14.91	43.67	54.00	-10.33	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5319.800	70.70	17.60	88.30	68.30	20.00	AVG	Main wave signal cannot be determined
2	*	5320.200	80.41	17.60	98.01	68.30	29.71	peak	Main wave signal cannot be determined
3		5350.000	44.14	17.55	61.69	74.00	-12.31	peak	
4		5350.000	34.01	17.55	51.56	54.00	-2.44	AVG	

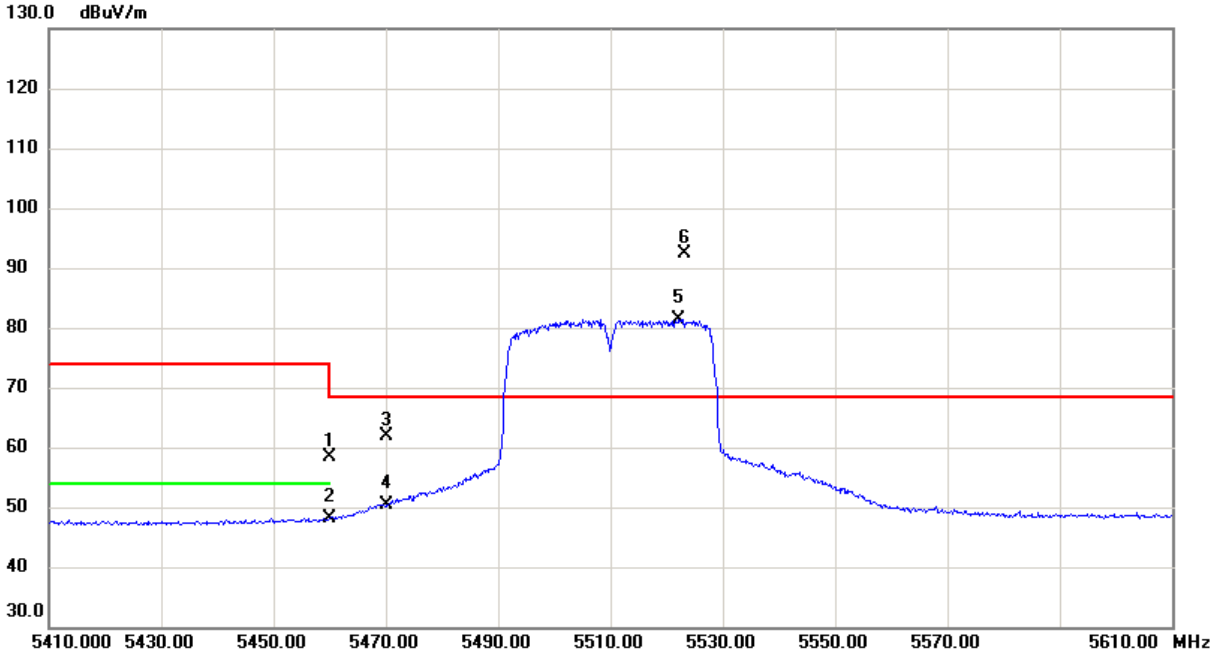


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10615.15	28.74	14.91	43.65	54.00	-10.35	AVG
2	10616.73	41.46	14.91	56.37	74.00	-17.63	peak

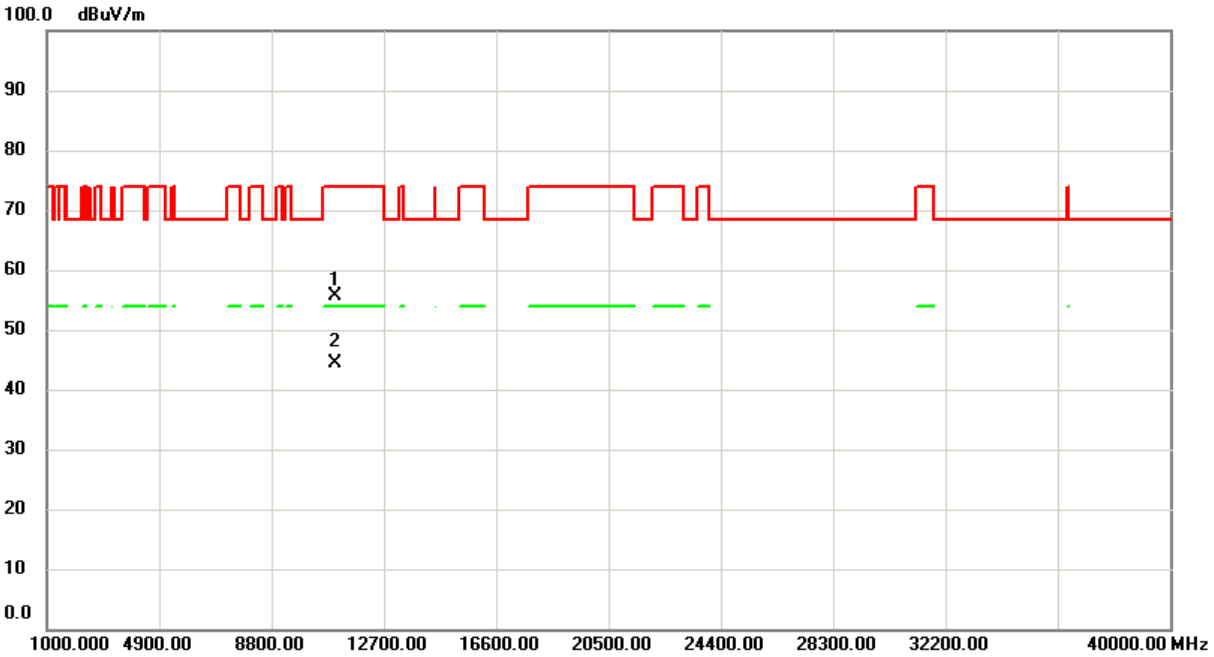
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5510MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

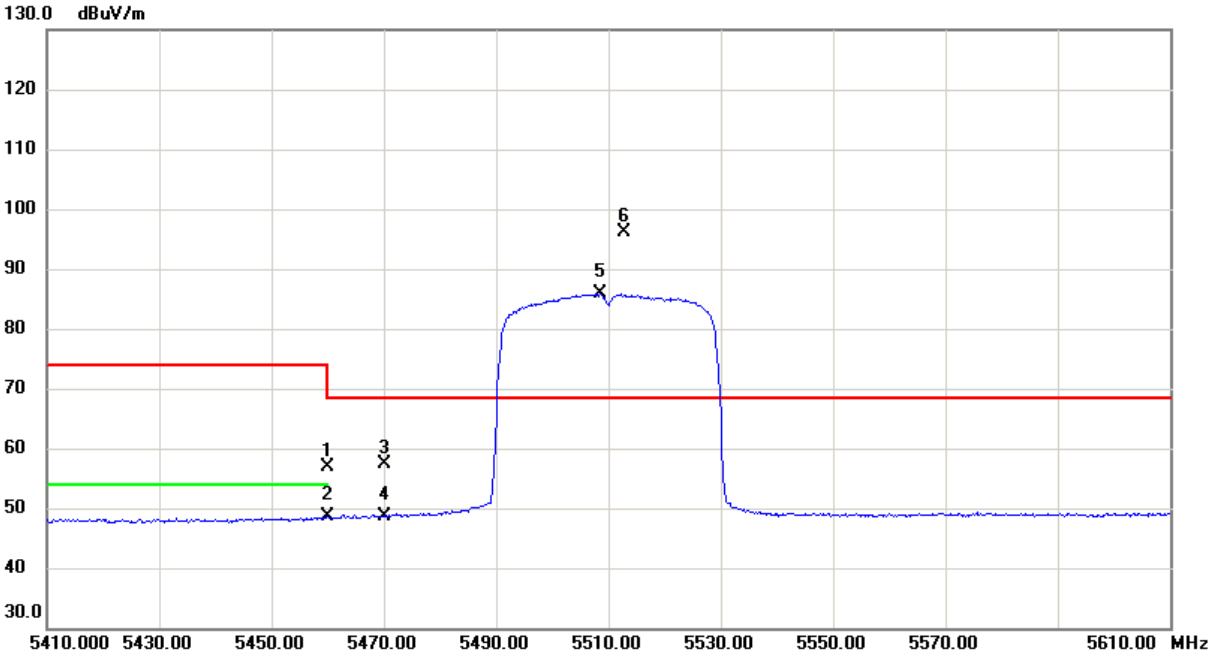


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	40.73	17.60	58.33	74.00	-15.67	peak	
2	5460.000	30.63	17.60	48.23	54.00	-5.77	AVG	
3	5470.000	44.15	17.62	61.77	68.30	-6.53	peak	
4	5470.000	32.81	17.62	50.43	68.30	-17.87	AVG	
5	X 5522.200	63.65	17.66	81.31	68.30	13.01	AVG	Main wave signal cannot be determined
6	* 5523.200	74.79	17.65	92.44	68.30	24.14	peak	Main wave signal cannot be determined

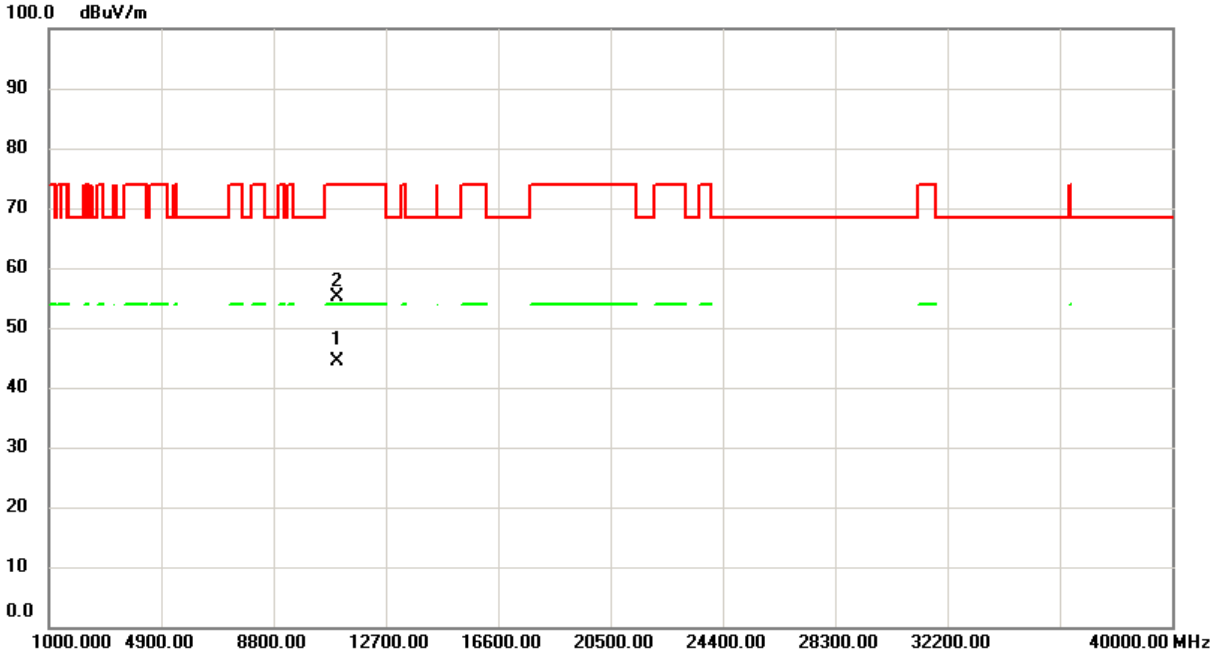


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11023.84	39.85	15.71	55.56	74.00	-18.44	peak
2	* 11024.58	28.76	15.71	44.47	54.00	-9.53	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	39.22	17.60	56.82	74.00	-17.18	peak	
2	5460.000	31.02	17.60	48.62	54.00	-5.38	AVG	
3	5470.000	39.72	17.62	57.34	68.30	-10.96	peak	
4	5470.000	31.04	17.62	48.66	68.30	-19.64	AVG	
5	X 5508.600	68.13	17.67	85.80	68.30	17.50	AVG	Main wave signal cannot be determined
6	* 5512.800	78.40	17.67	96.07	68.30	27.77	peak	Main wave signal cannot be determined

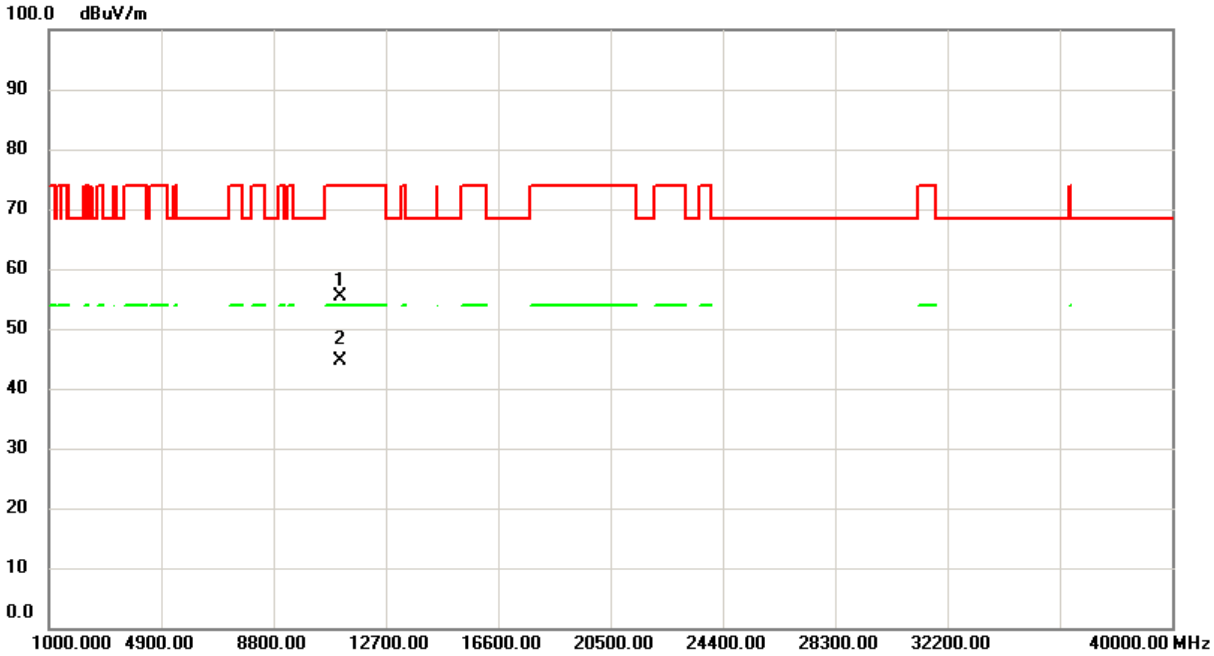


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11015.90	28.70	15.69	44.39	54.00	-9.61	AVG
2	11015.97	39.55	15.69	55.24	74.00	-18.76	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

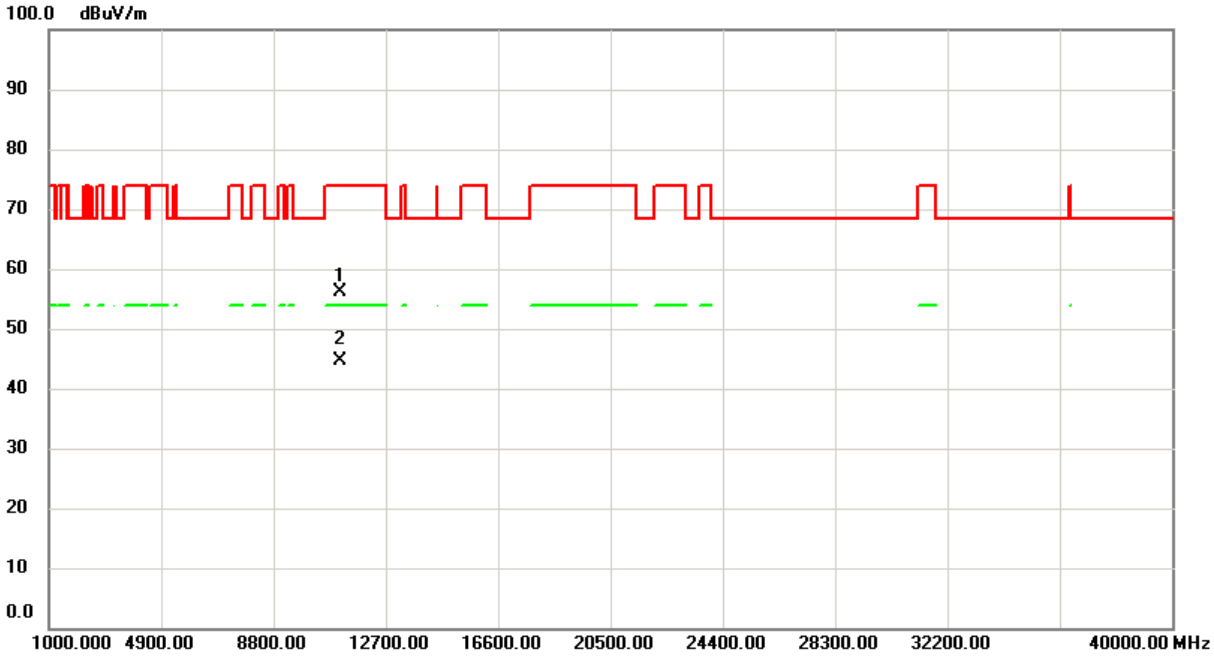
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5550MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11097.92	39.51	15.89	55.40	74.00	-18.60	peak
2	* 11100.10	28.83	15.89	44.72	54.00	-9.28	AVG

Antenna Polarization：Vertical

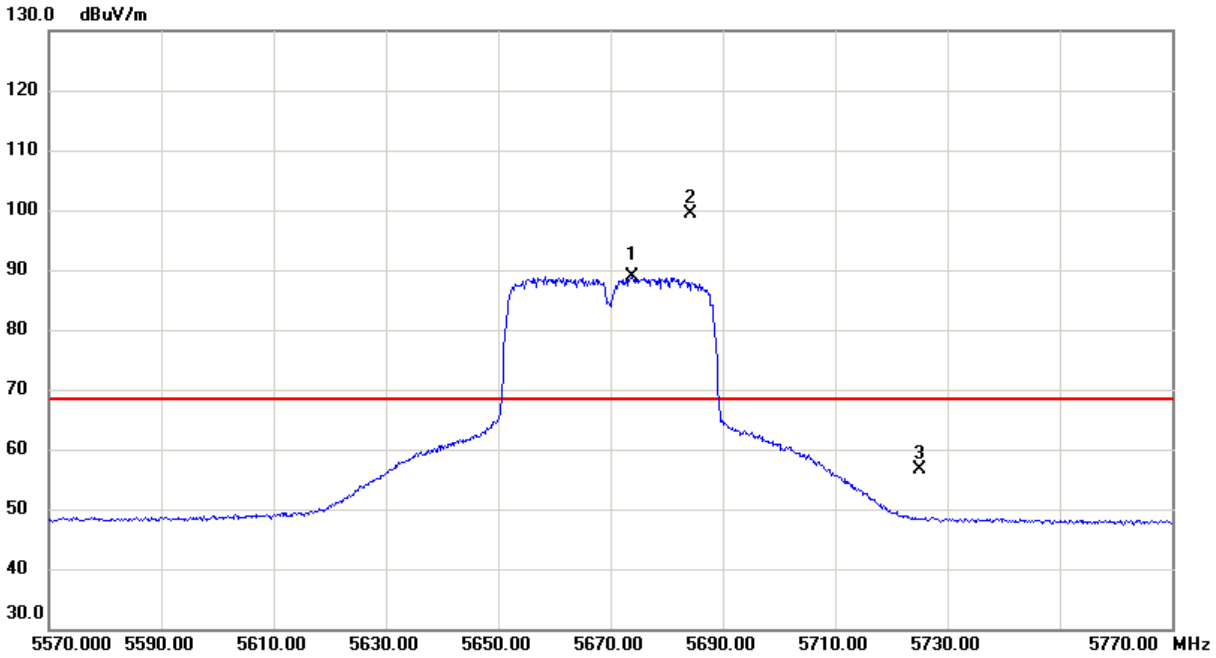


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11095.99	40.14	15.88	56.02	74.00	-17.98	peak
2	* 11097.55	28.80	15.89	44.69	54.00	-9.31	AVG

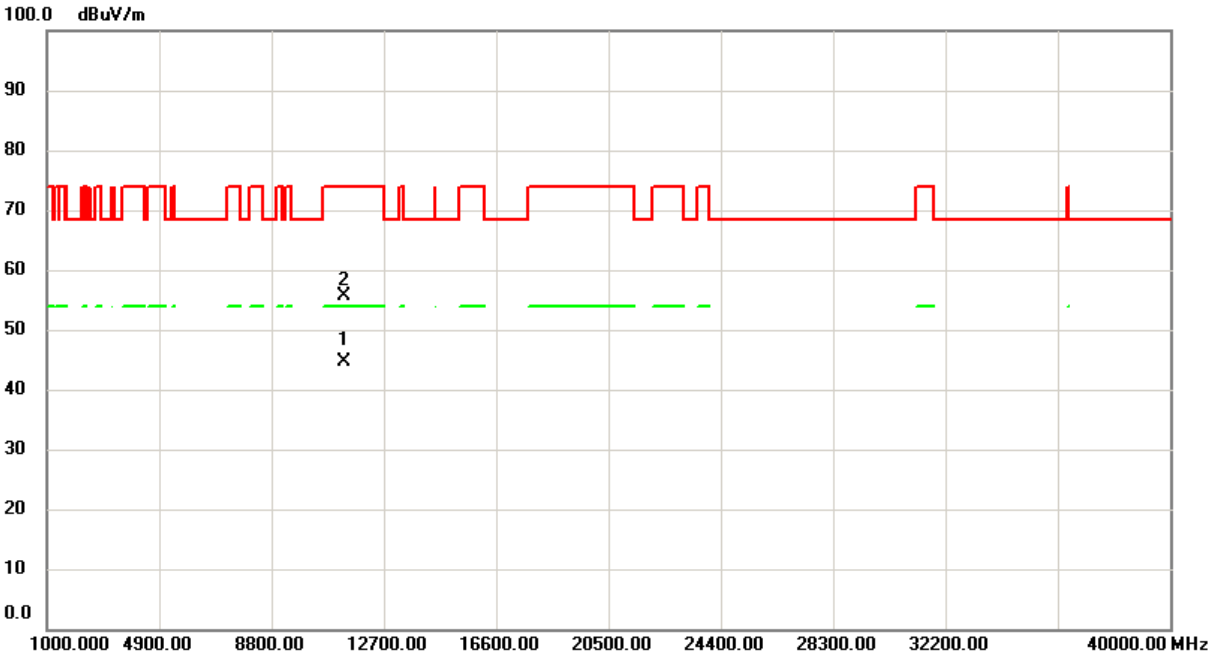
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5670MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

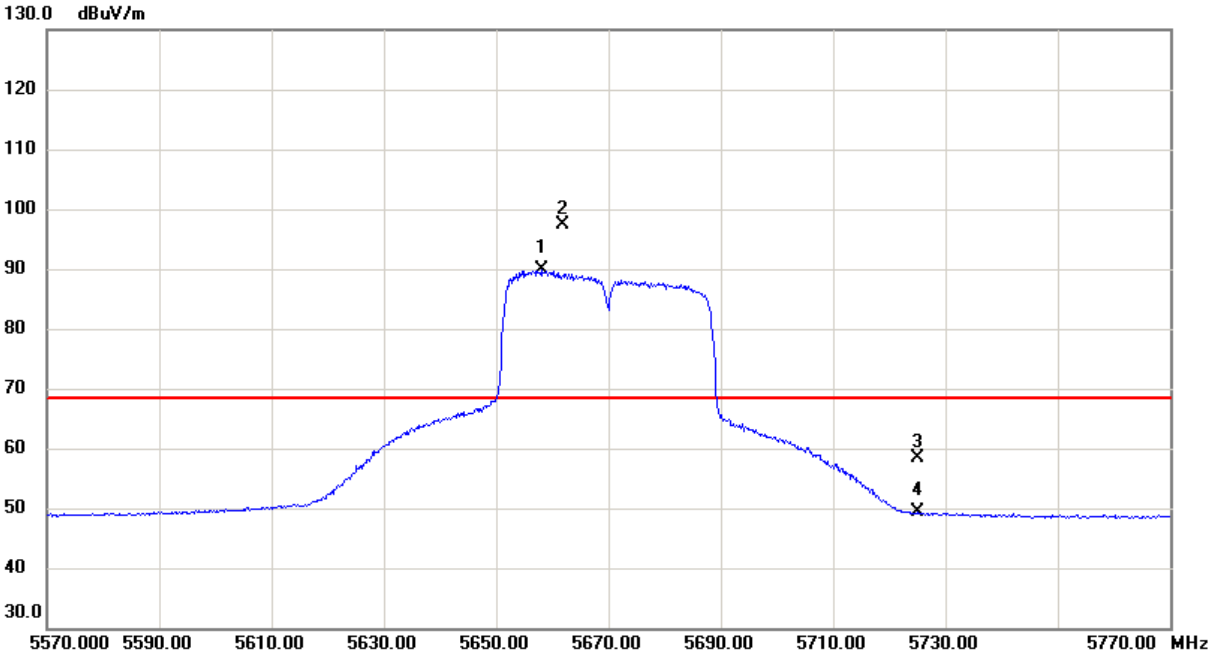


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5673.800	71.27	17.58	88.85	68.30	20.55	AVG	Main wave signal cannot be determined
2	*	5684.400	81.85	17.58	99.43	68.30	31.13	peak	Main wave signal cannot be determined
3		5725.000	39.01	17.60	56.61	68.30	-11.69	peak	

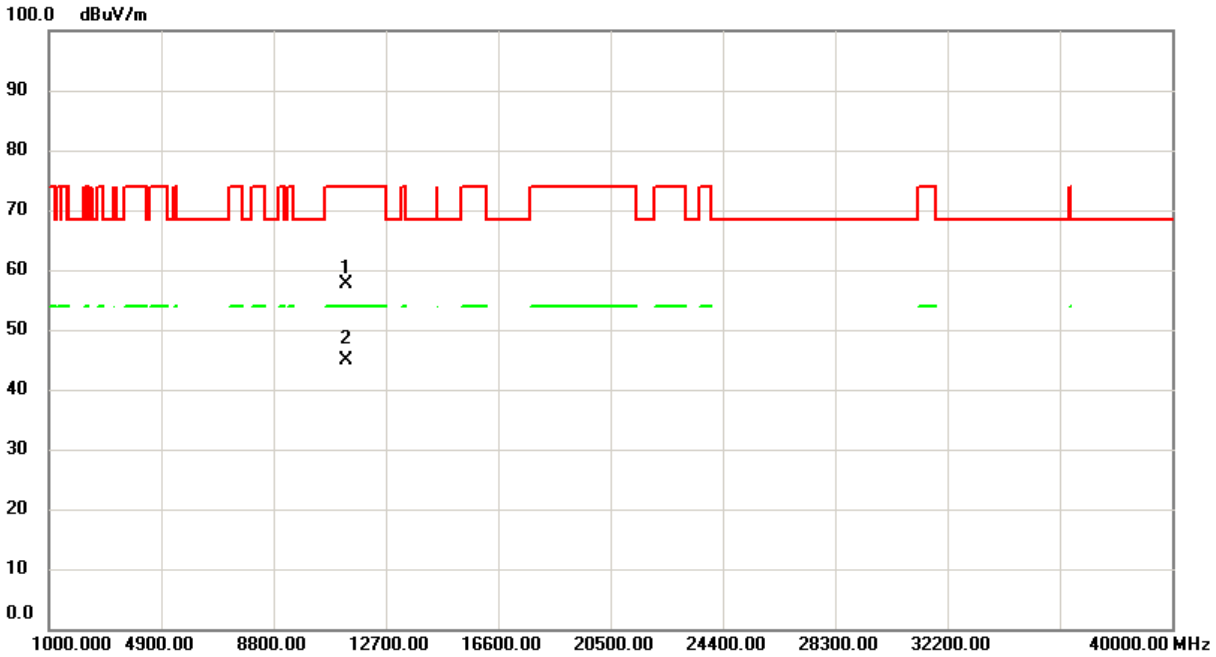


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11335.32	28.53	16.22	44.75	54.00	-9.25	AVG
2	11336.18	39.53	16.22	55.75	74.00	-18.25	peak

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5658.000	72.34	17.57	89.91	68.30	21.61	AVG	Main wave signal cannot be determined
2	*	5661.800	79.86	17.57	97.43	68.30	29.13	peak	Main wave signal cannot be determined
3		5725.000	40.67	17.60	58.27	68.30	-10.03	peak	
4		5725.000	31.73	17.60	49.33	68.30	-18.97	AVG	

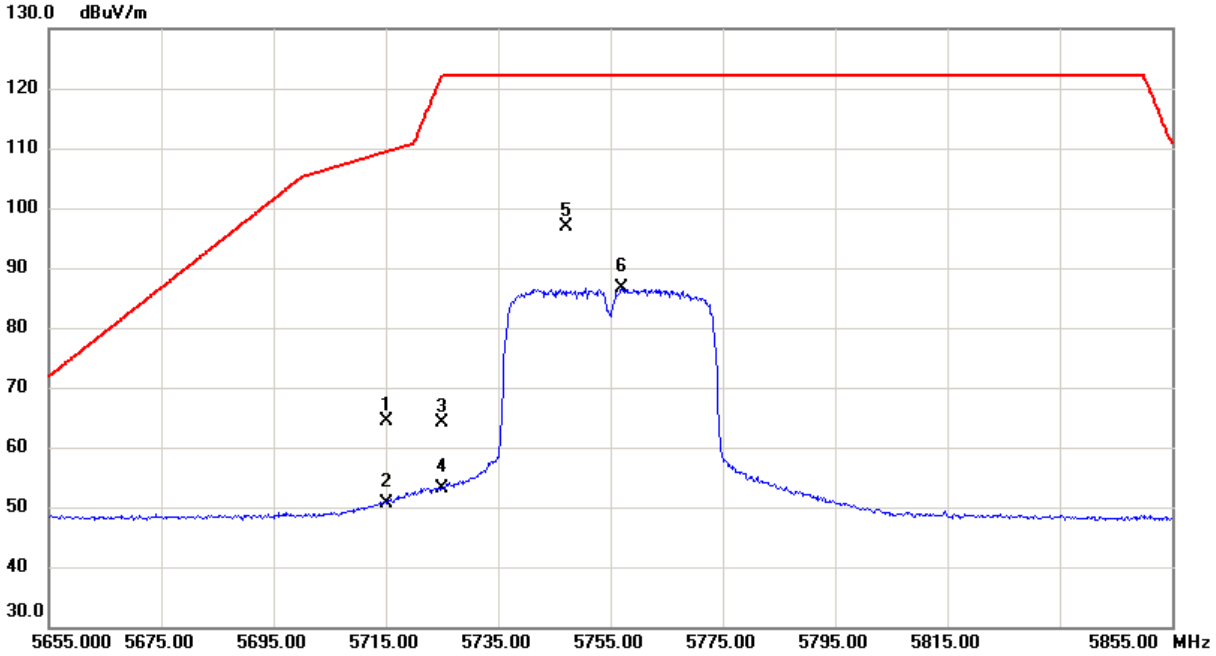


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11335.43	41.31	16.22	57.53	74.00	-16.47	peak
2	* 11338.03	28.56	16.23	44.79	54.00	-9.21	AVG

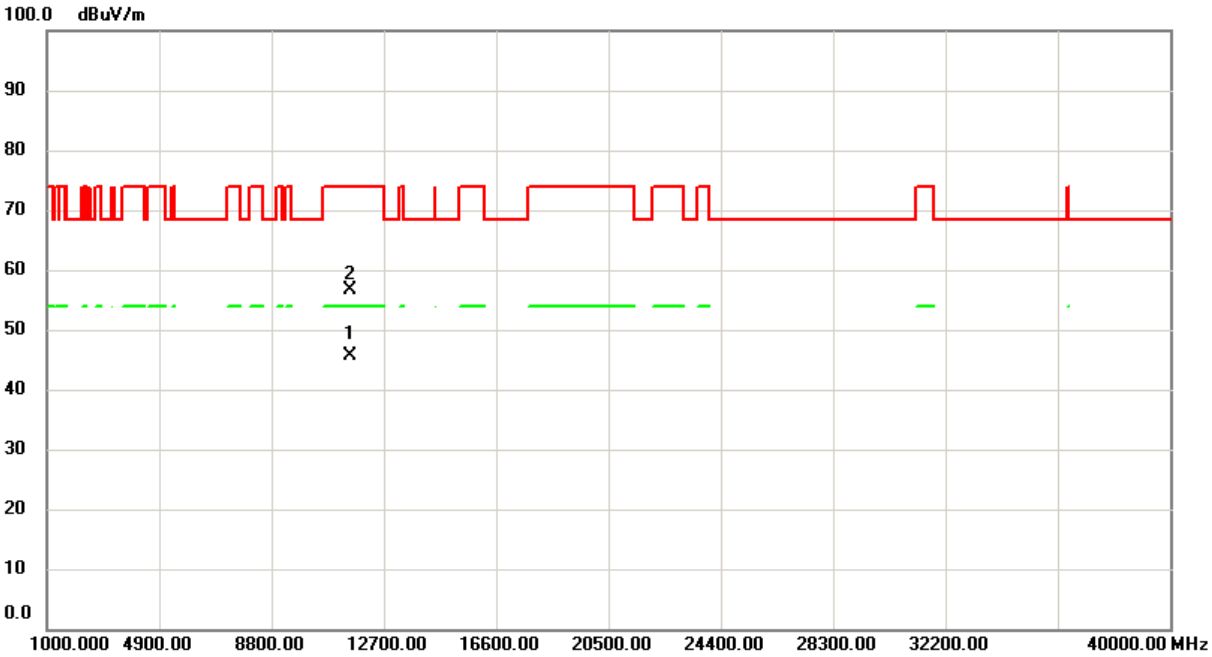
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5755MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

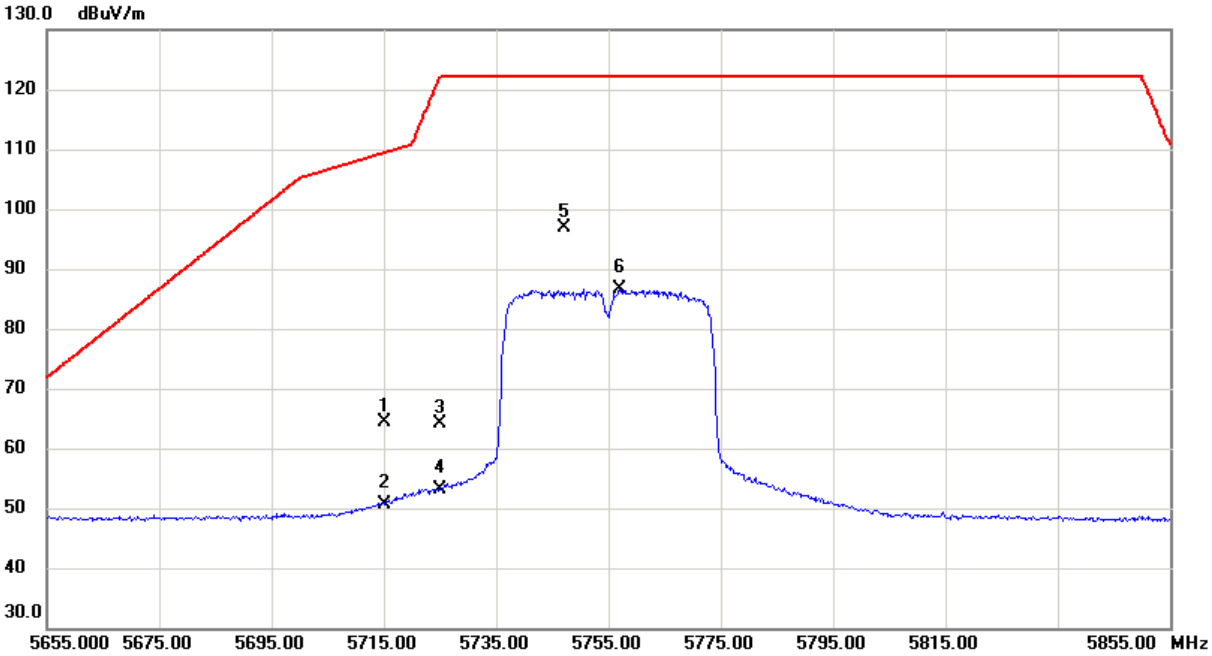


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comme
1	5715.000	42.71	17.60	60.31	109.4	-49.09	peak	
2	5715.000	34.69	17.60	52.29	109.4	-57.11	AVG	
3	5725.000	50.16	17.60	67.76	122.2	-54.44	peak	
4	5725.000	37.45	17.60	55.05	122.2	-67.15	AVG	
5	5741.800	69.49	17.61	87.10	122.2	-35.10	AVG	Main wave signal cannot be determined
6	* 5744.200	79.58	17.61	97.19	122.2	-25.01	peak	Main wave signal cannot be determined

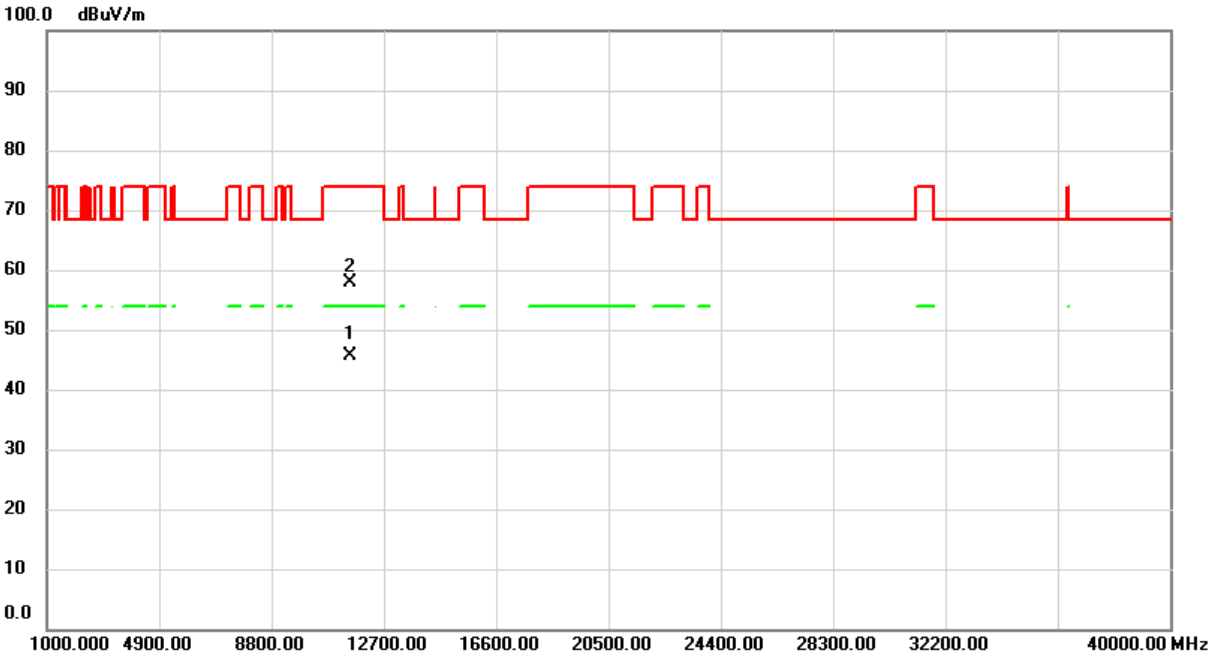


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11509.36	29.15	16.52	45.67	54.00	-8.33	AVG
2	11511.74	40.03	16.52	56.55	74.00	-17.45	peak

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	46.73	17.60	64.33	109.4	-45.07	peak	
2	5715.000	33.05	17.60	50.65	109.4	-58.75	AVG	
3	5725.000	46.56	17.60	64.16	122.2	-58.04	peak	
4	5725.000	35.59	17.60	53.19	122.2	-69.01	AVG	
5	* 5747.000	79.29	17.61	96.90	122.2	-25.30	peak	Main wave signal cannot be determined
6	5757.000	68.92	17.63	86.55	122.2	-35.65	AVG	Main wave signal cannot be determined

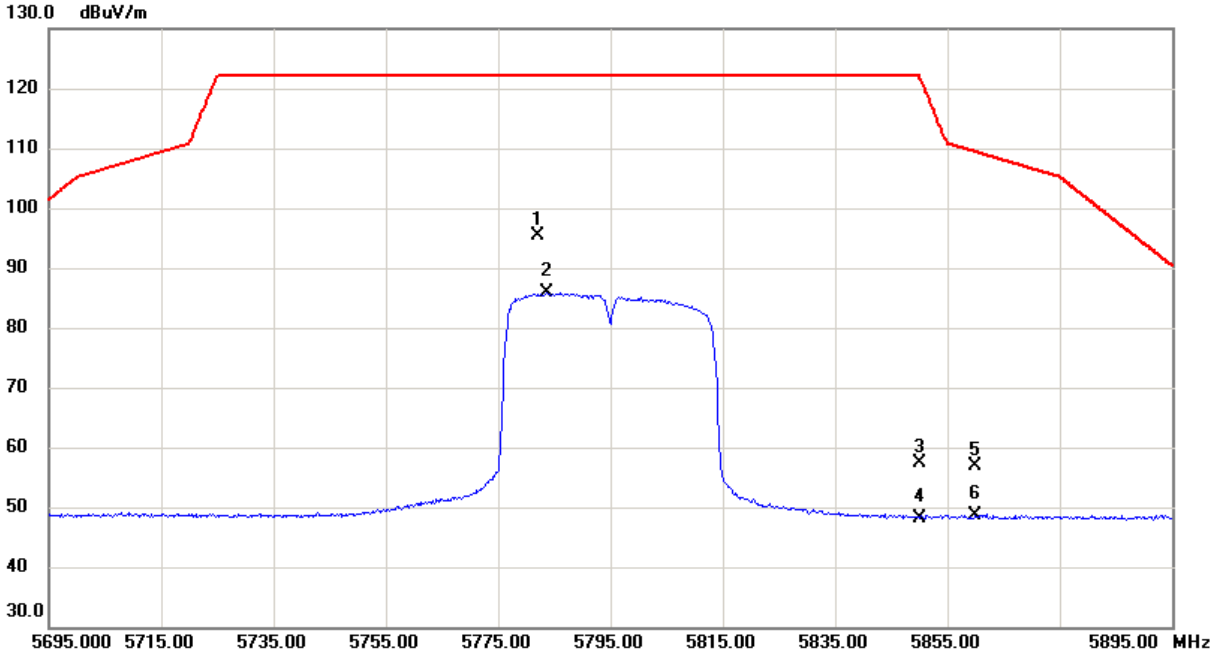


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11506.67	29.15	16.51	45.66	54.00	-8.34	AVG
2	11514.15	41.38	16.53	57.91	74.00	-16.09	peak

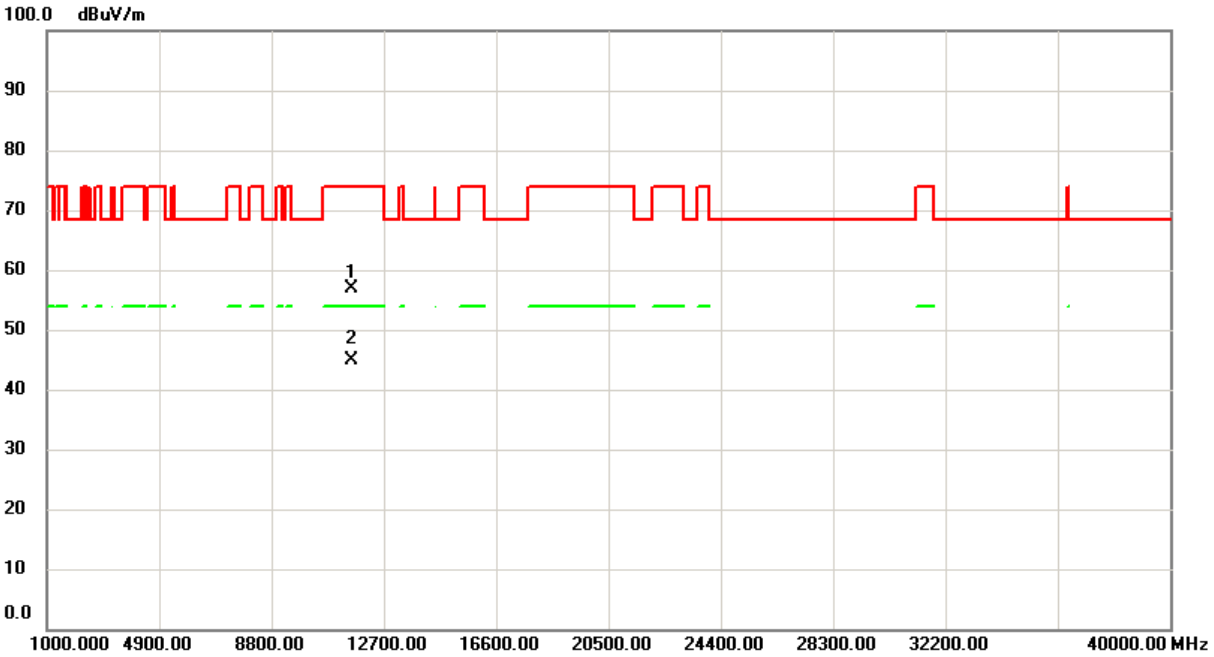
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AC 40
Detector Type:	PK. and AV.	L.O.:	5795MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

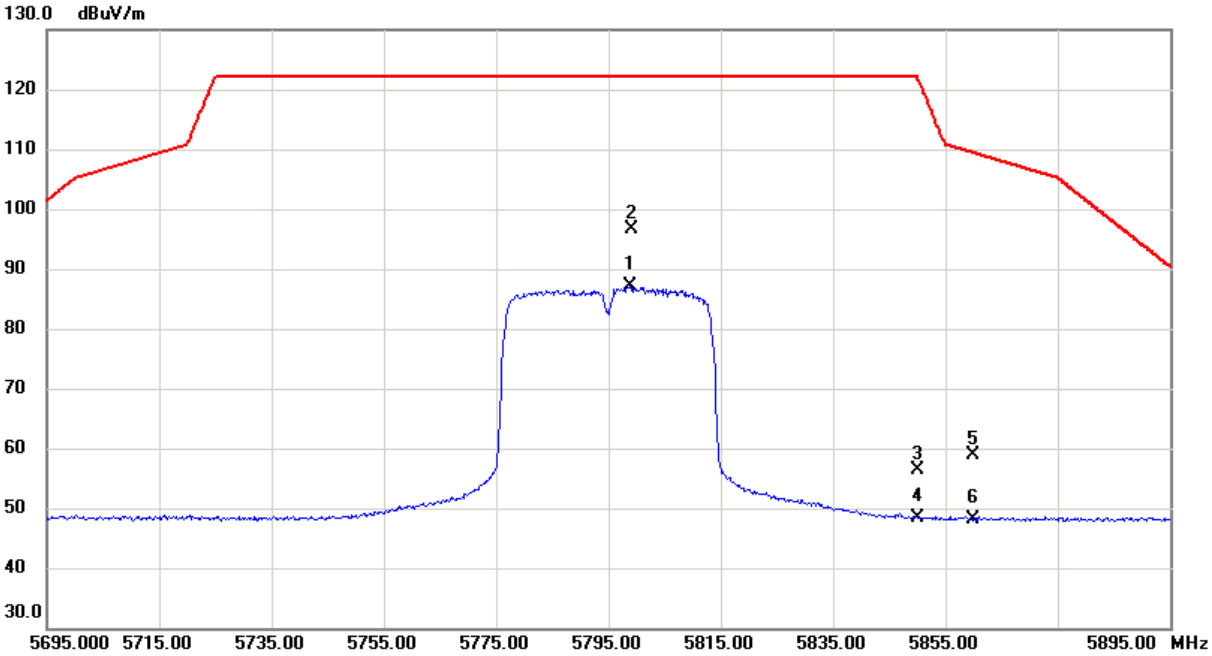


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	* 5782.200	77.68	17.69	95.37	122.2	-26.83	peak	Main wave signal cannot be determined
2	5783.600	68.19	17.70	85.89	122.2	-36.31	AVG	Main wave signal cannot be determined
3	5850.000	39.73	17.76	57.49	122.2	-64.71	peak	
4	5850.000	30.46	17.76	48.22	122.2	-73.98	AVG	
5	5860.000	39.00	17.79	56.79	109.4	-52.61	peak	
6	5860.000	30.72	17.79	48.51	109.4	-60.89	AVG	

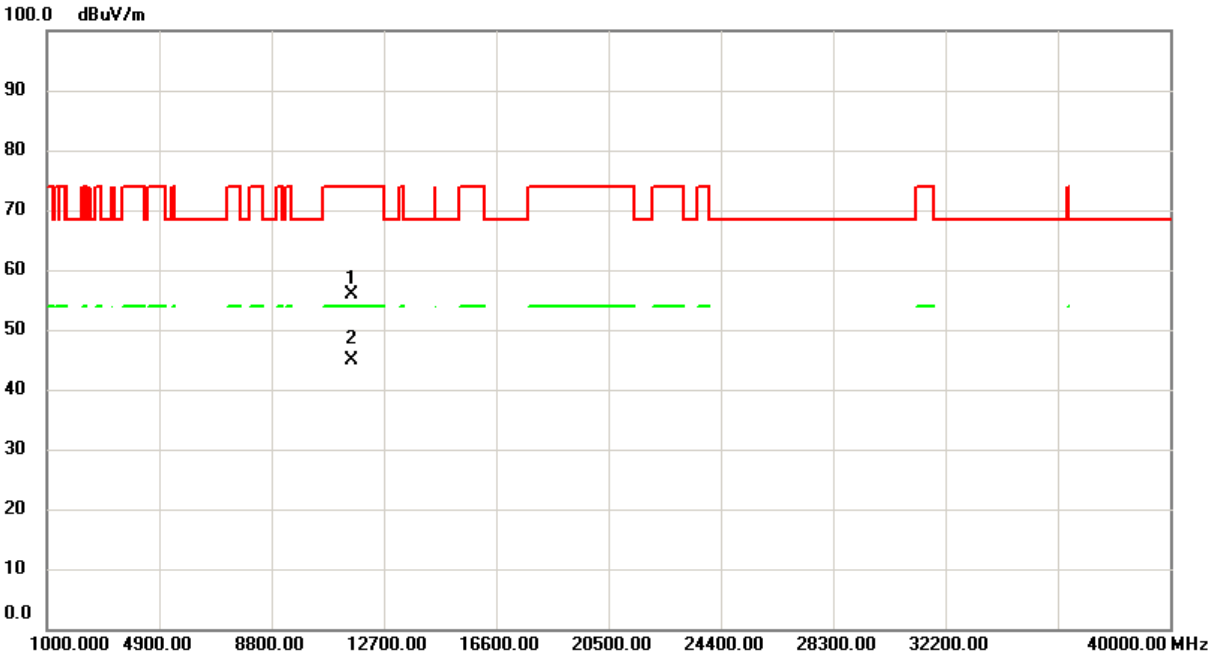


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11589.72	40.03	16.79	56.82	74.00	-17.18	peak
2	* 11592.66	28.00	16.80	44.80	54.00	-9.20	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5798.800	69.38	17.74	87.12	122.2	-35.08	AVG	Main wave signal cannot be determined
2	* 5799.000	78.98	17.74	96.72	122.2	-25.48	peak	Main wave signal cannot be determined
3	5850.000	38.71	17.76	56.47	122.2	-65.73	peak	
4	5850.000	30.54	17.76	48.30	122.2	-73.90	AVG	
5	5860.000	41.13	17.79	58.92	109.4	-50.48	peak	
6	5860.000	30.39	17.79	48.18	109.4	-61.22	AVG	

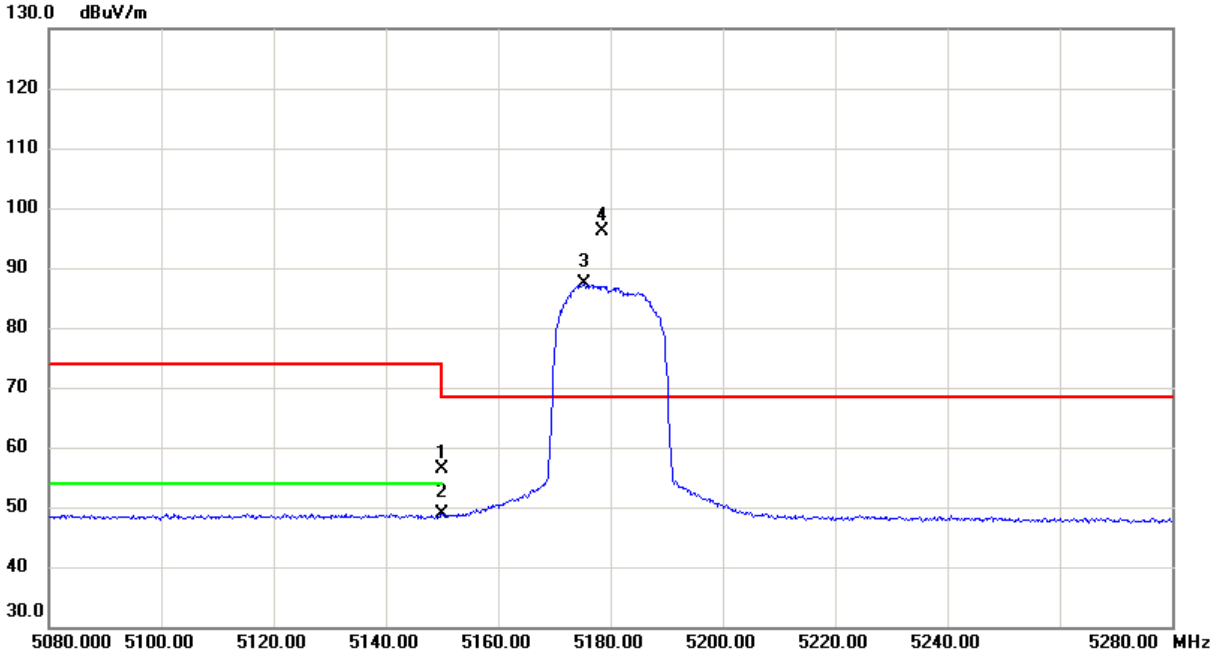


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11585.87	39.14	16.78	55.92	74.00	-18.08	peak
2	* 11591.02	28.19	16.79	44.98	54.00	-9.02	AVG

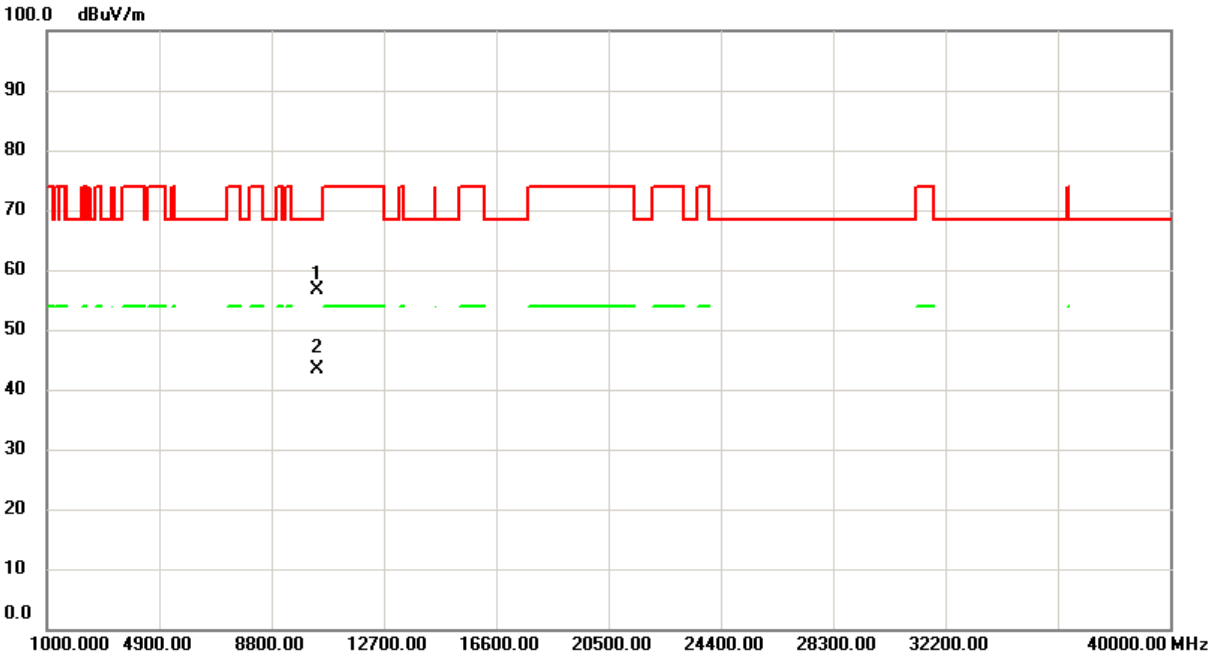
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5180MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

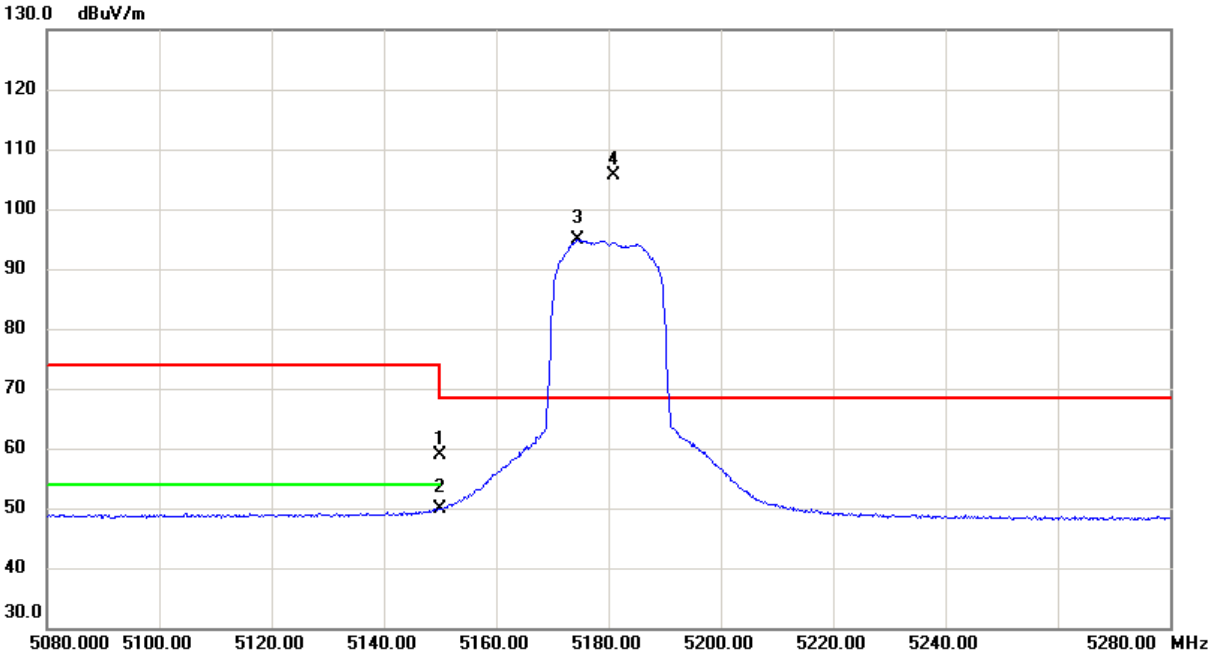


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	39.28	17.21	56.49	74.00	-17.51	peak	
2	5150.000	31.62	17.21	48.83	54.00	-5.17	AVG	
3	X 5175.400	70.01	17.32	87.33	68.30	19.03	AVG	Main wave signal cannot be determined
4	* 5178.600	78.85	17.33	96.18	68.30	27.88	peak	Main wave signal cannot be determined

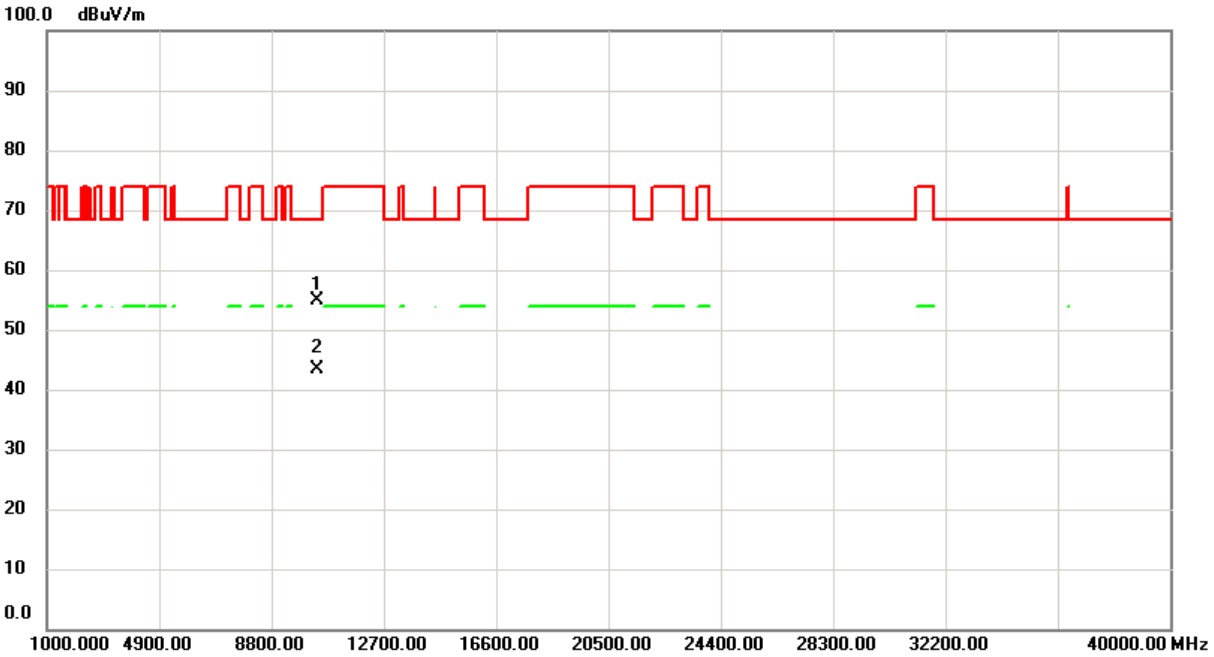


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10360.23	42.18	14.35	56.53	68.30	-11.77	peak
2	10360.87	29.10	14.35	43.45	68.30	-24.85	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	41.67	17.21	58.88	74.00	-15.12	peak	
2	5150.000	32.76	17.21	49.97	54.00	-4.03	AVG	
3	X 5174.600	77.52	17.32	94.84	68.30	26.54	AVG	Main wave signal cannot be determined
4	* 5180.800	88.28	17.34	105.62	68.30	37.32	peak	Main wave signal cannot be determined

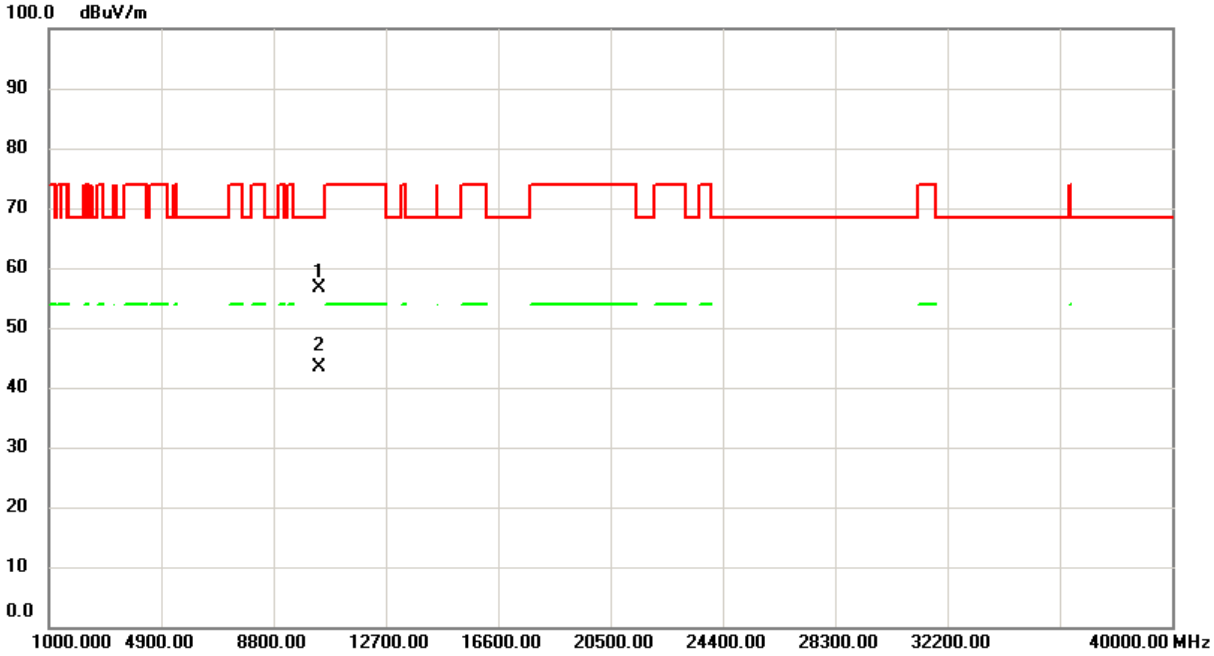


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10361.06	40.62	14.35	54.97	68.30	-13.33	peak
2	10363.90	29.04	14.36	43.40	68.30	-24.90	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

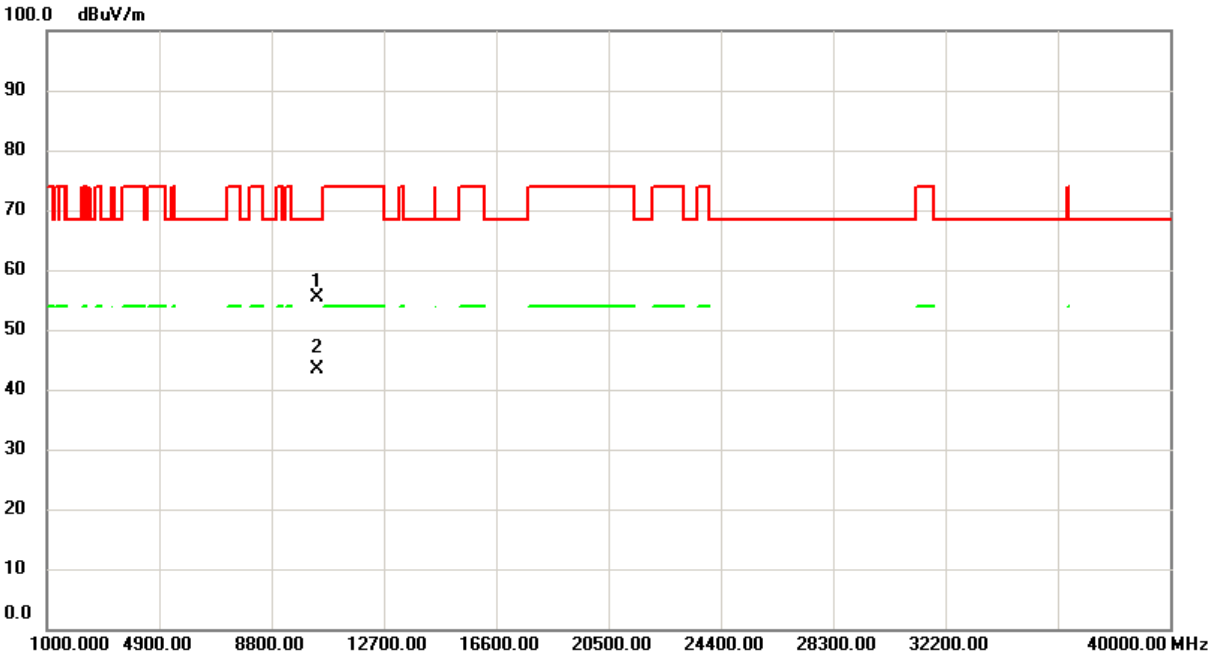
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5200MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10399.03	42.10	14.44	56.54	68.30	-11.76	peak
2	10401.57	29.01	14.44	43.45	68.30	-24.85	AVG

Antenna Polarization：Vertical

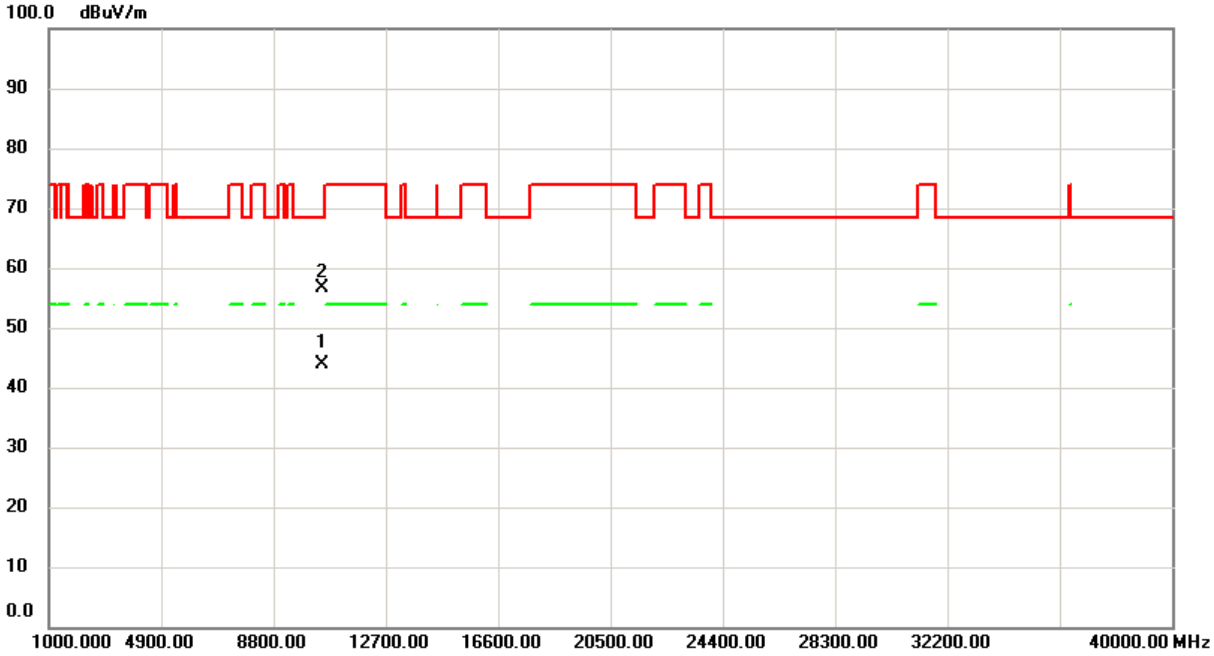


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10400.57	41.03	14.44	55.47	68.30	-12.83	peak
2	10404.11	28.97	14.45	43.42	68.30	-24.88	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

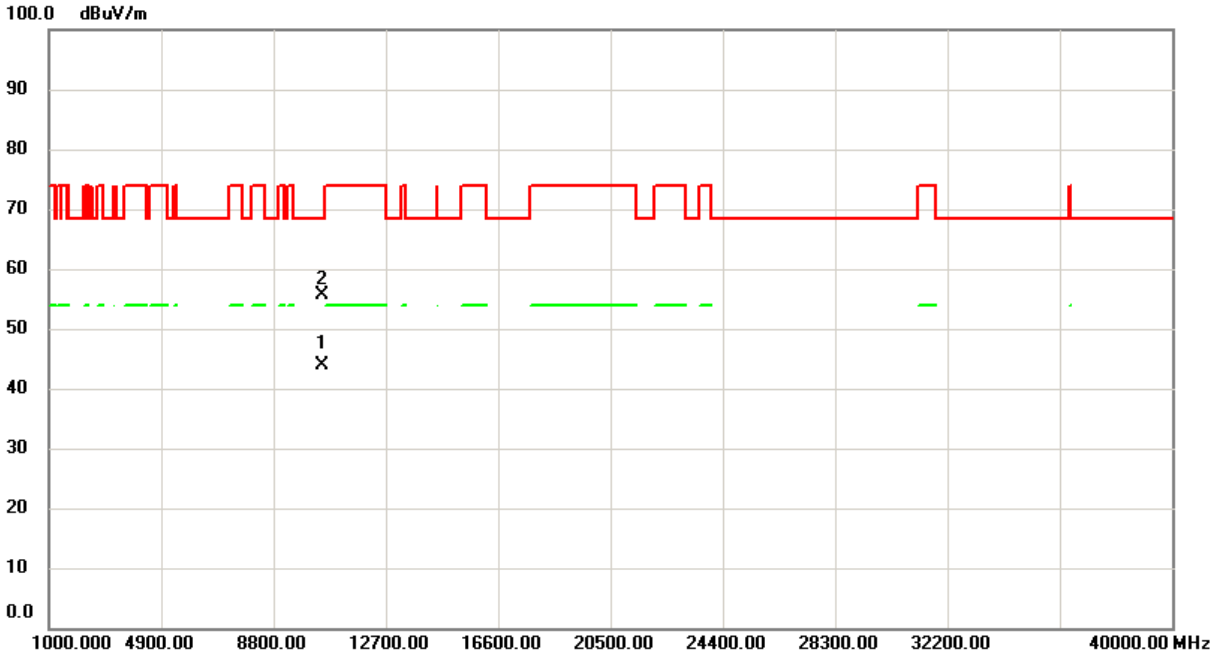
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5240MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10478.32	29.19	14.61	43.80	68.30	-24.50	AVG
2	* 10479.92	42.01	14.61	56.62	68.30	-11.68	peak

Antenna Polarization：Vertical

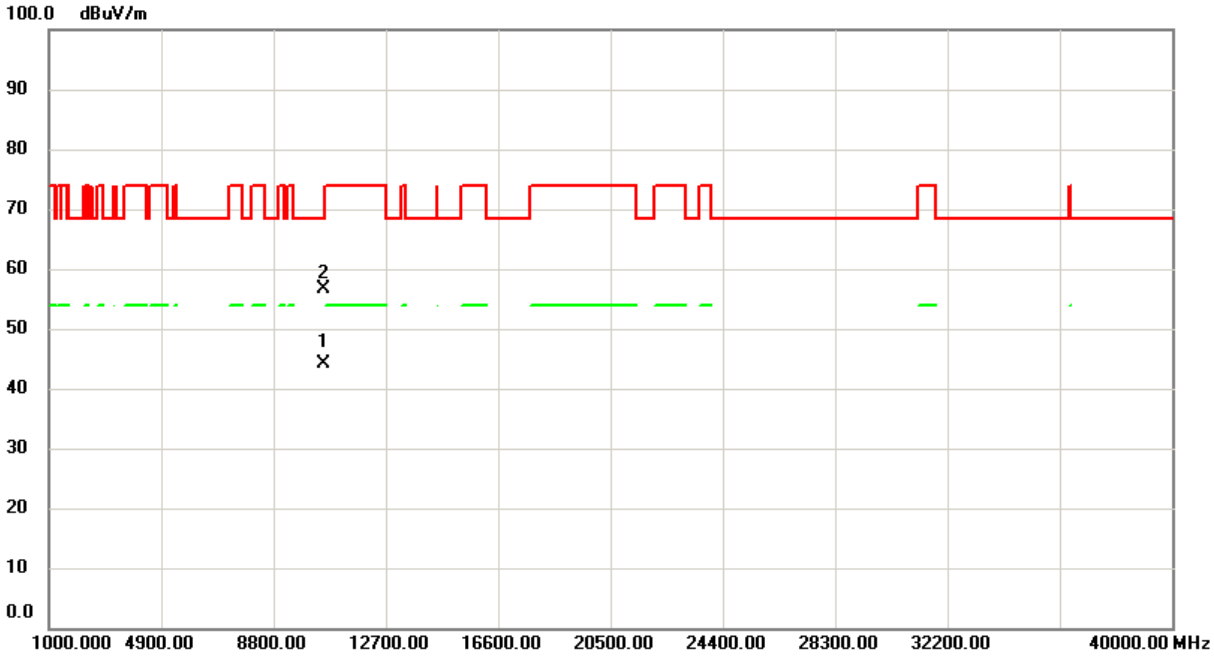


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10476.84	29.15	14.61	43.76	68.30	-24.54	AVG
2	* 10479.82	40.95	14.61	55.56	68.30	-12.74	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

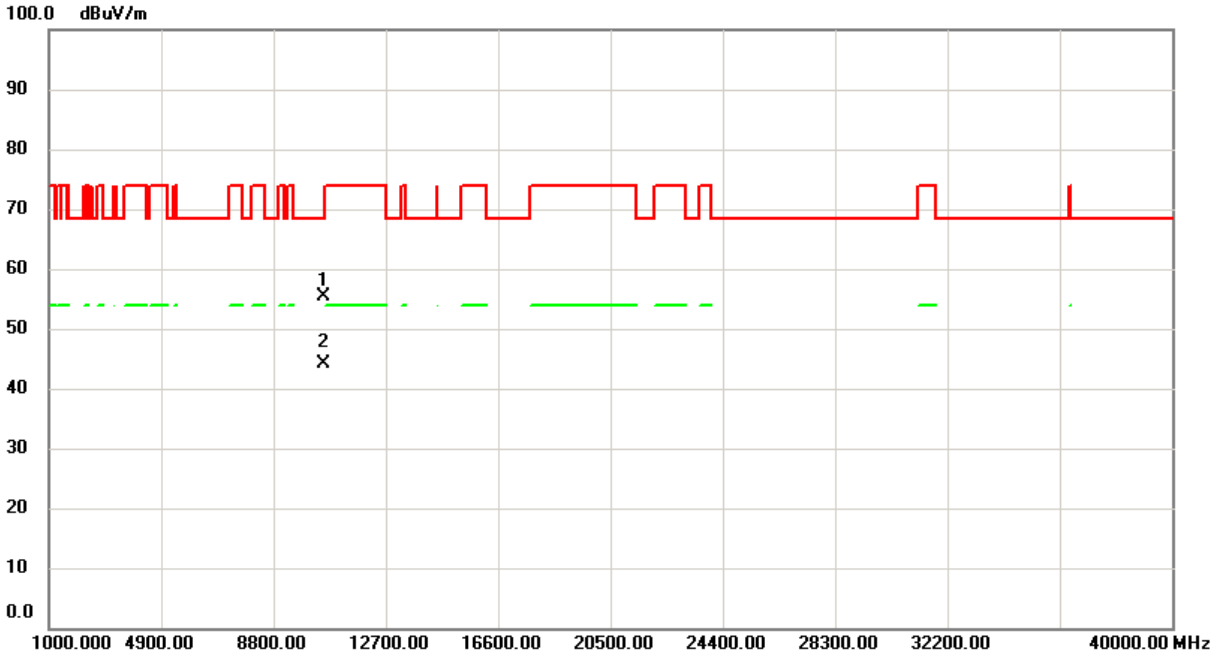
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5260MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10519.81	29.39	14.70	44.09	68.30	-24.21	AVG
2	* 10521.12	41.94	14.70	56.64	68.30	-11.66	peak

Antenna Polarization：Vertical

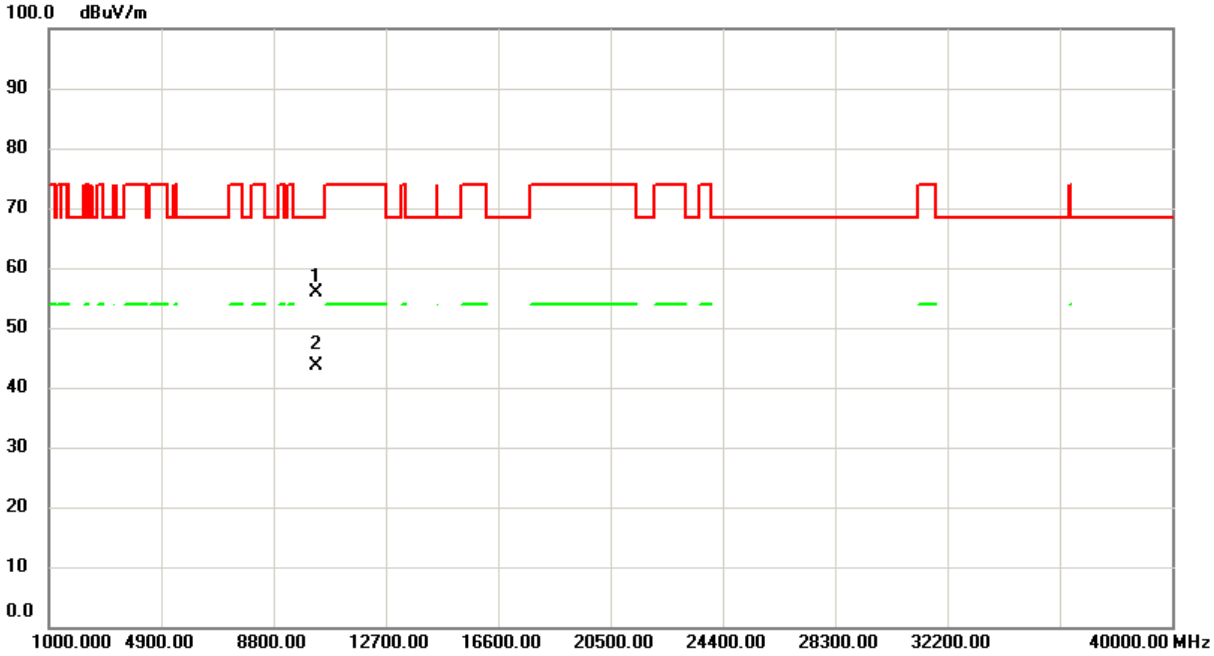


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10518.25	40.81	14.69	55.50	68.30	-12.80	peak
2	10520.83	29.33	14.70	44.03	68.30	-24.27	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

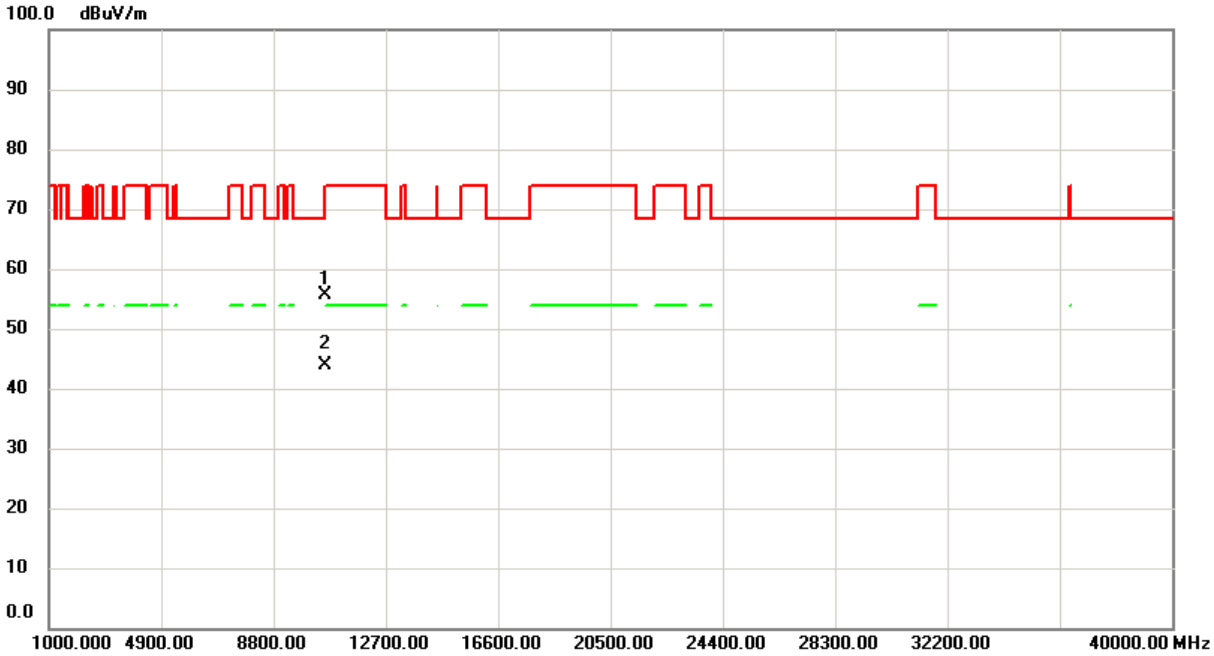
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5300MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10298.92	41.68	14.23	55.91	68.30	-12.39	peak
2	10300.89	29.30	14.23	43.53	68.30	-24.77	AVG

Antenna Polarization：Vertical

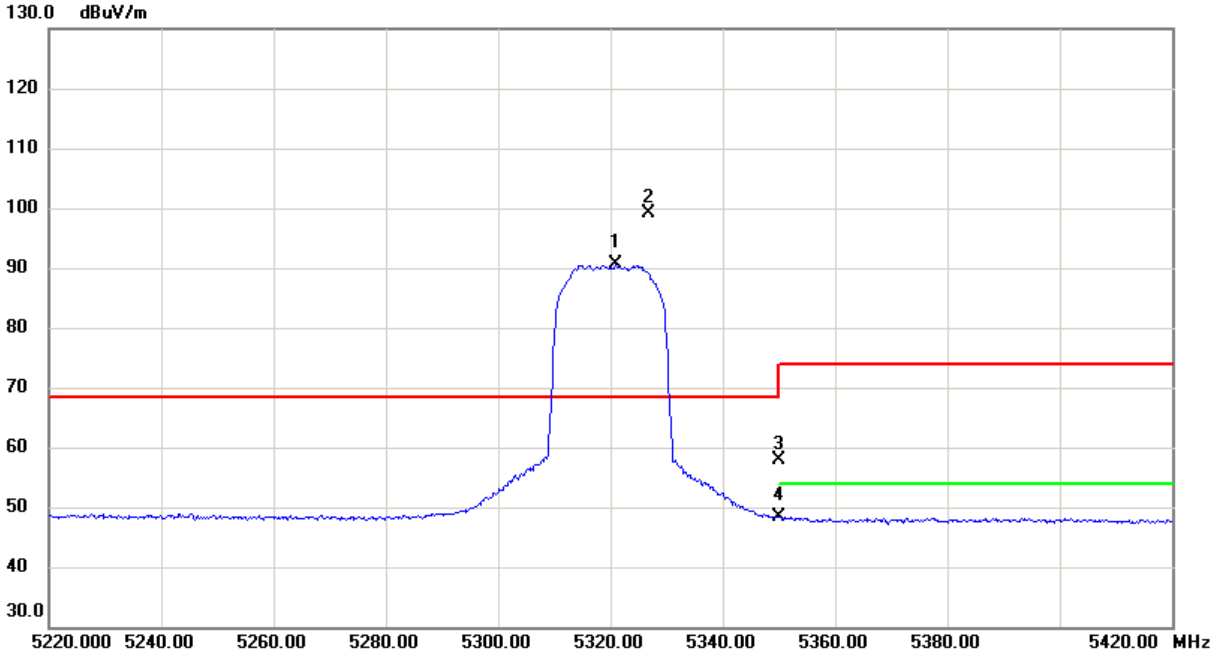


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10599.47	40.63	14.89	55.52	68.30	-12.78	peak
2	* 10602.09	28.98	14.89	43.87	54.00	-10.13	AVG

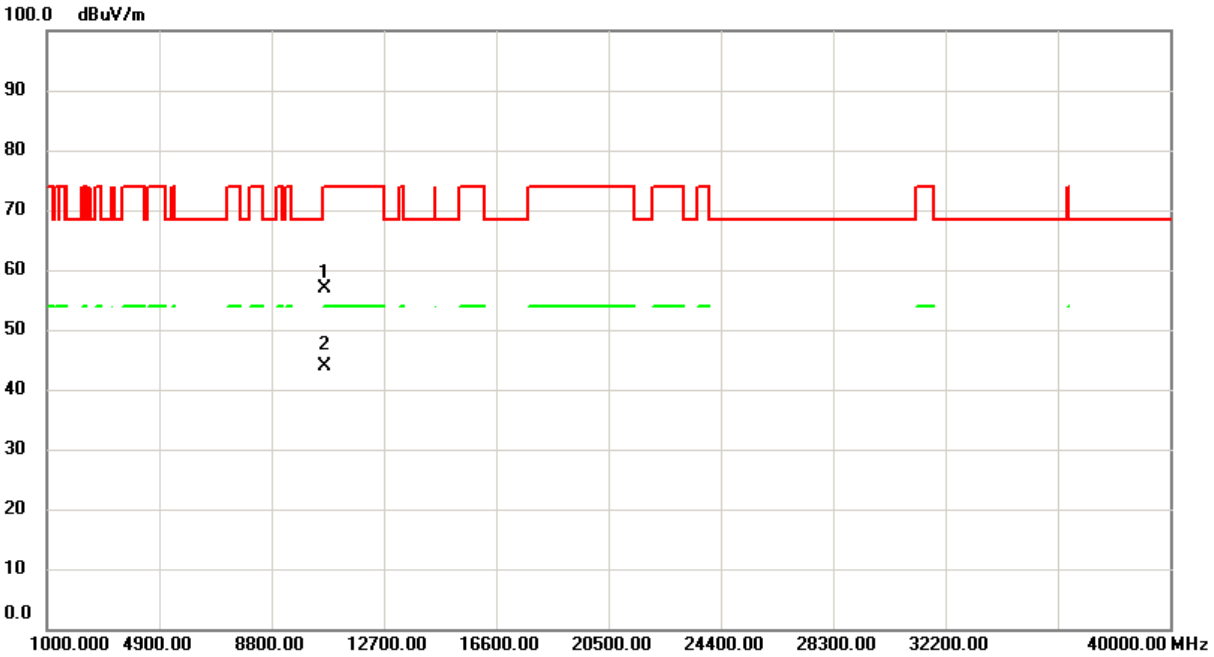
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5320MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

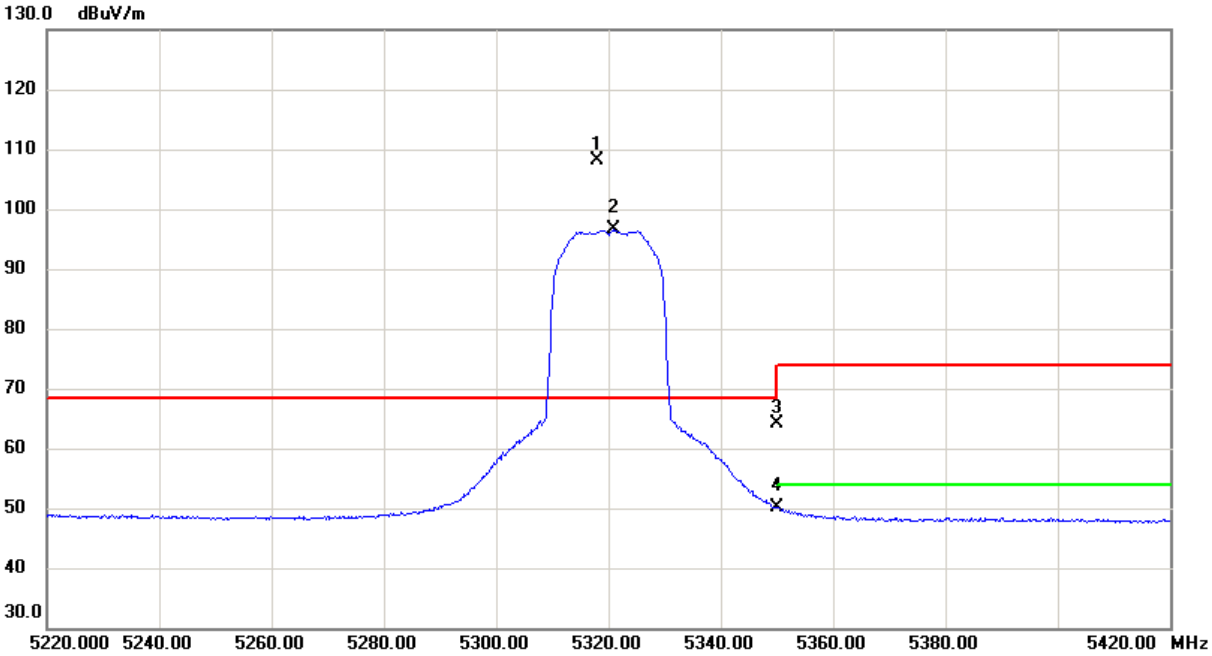


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5321.000	73.01	17.60	90.61	68.30	22.31	AVG	Main wave signal cannot be determined
2	*	5326.800	81.44	17.59	99.03	68.30	30.73	peak	Main wave signal cannot be determined
3		5350.000	40.28	17.55	57.83	74.00	-16.17	peak	
4		5350.000	30.77	17.55	48.32	54.00	-5.68	AVG	

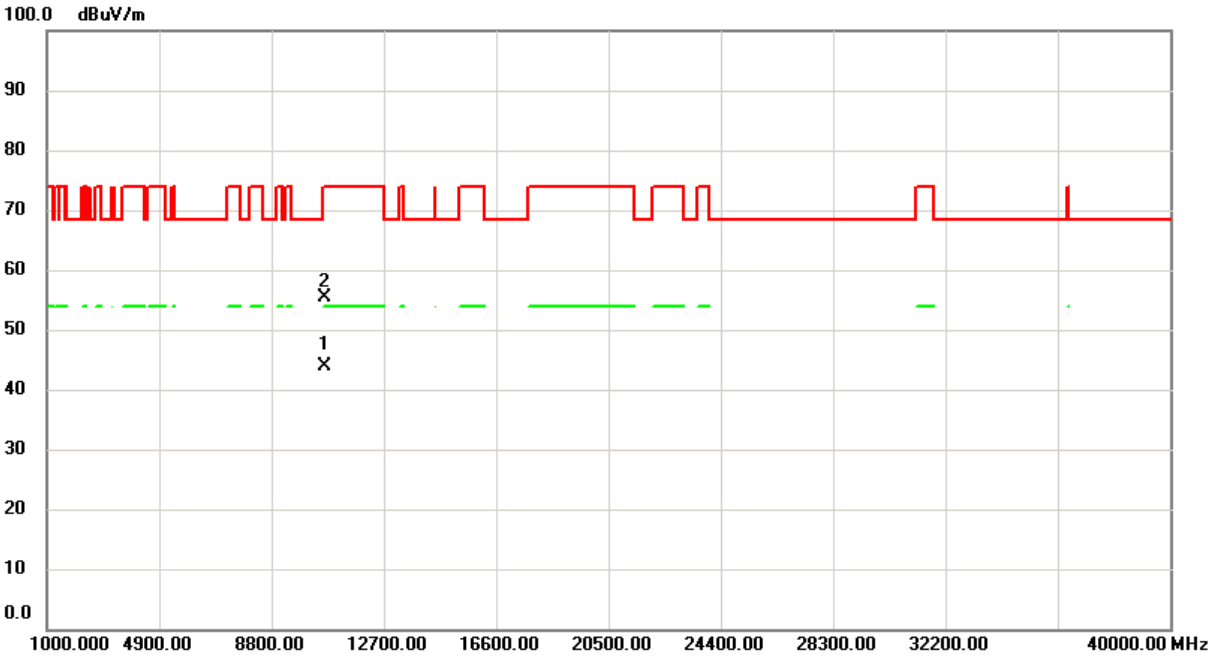


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10638.38	41.92	14.95	56.87	74.00	-17.13	peak
2	* 10640.09	28.91	14.95	43.86	54.00	-10.14	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5318.000	90.58	17.60	108.18	68.30	39.88	peak	Main wave signal cannot be determined
2	X	5321.000	78.96	17.60	96.56	68.30	28.26	AVG	Main wave signal cannot be determined
3		5350.000	46.61	17.55	64.16	74.00	-9.84	peak	
4		5350.000	32.58	17.55	50.13	54.00	-3.87	AVG	

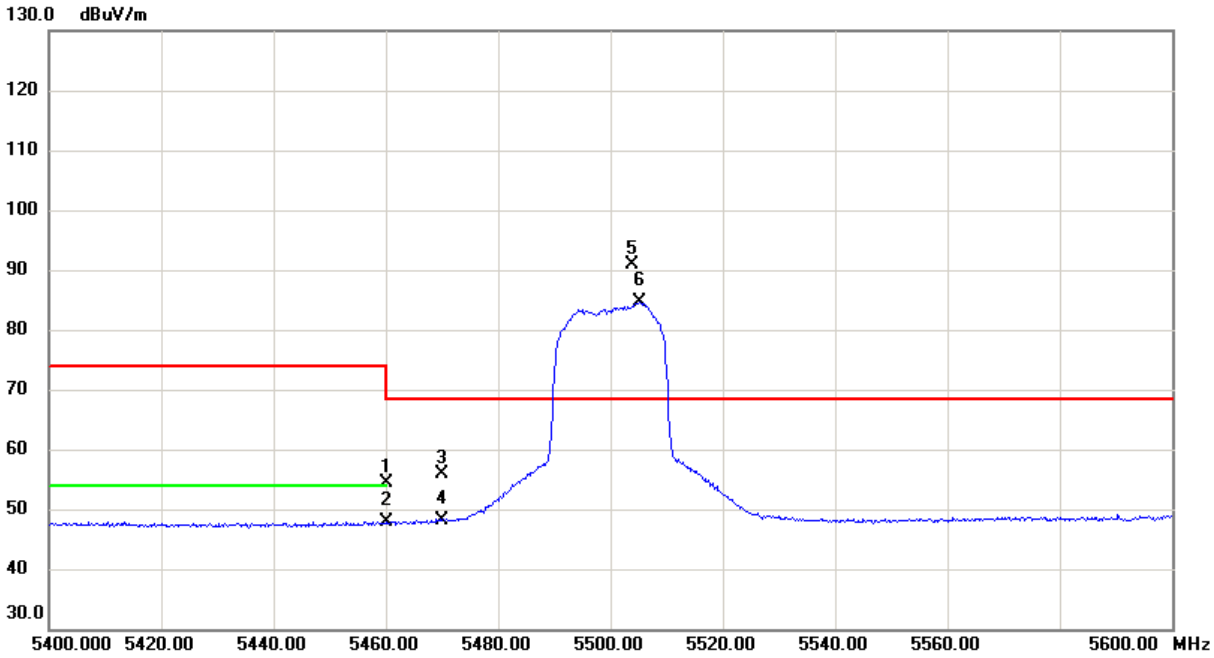


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10641.17	29.04	14.95	43.99	54.00	-10.01	AVG
2	10641.89	40.32	14.95	55.27	74.00	-18.73	peak

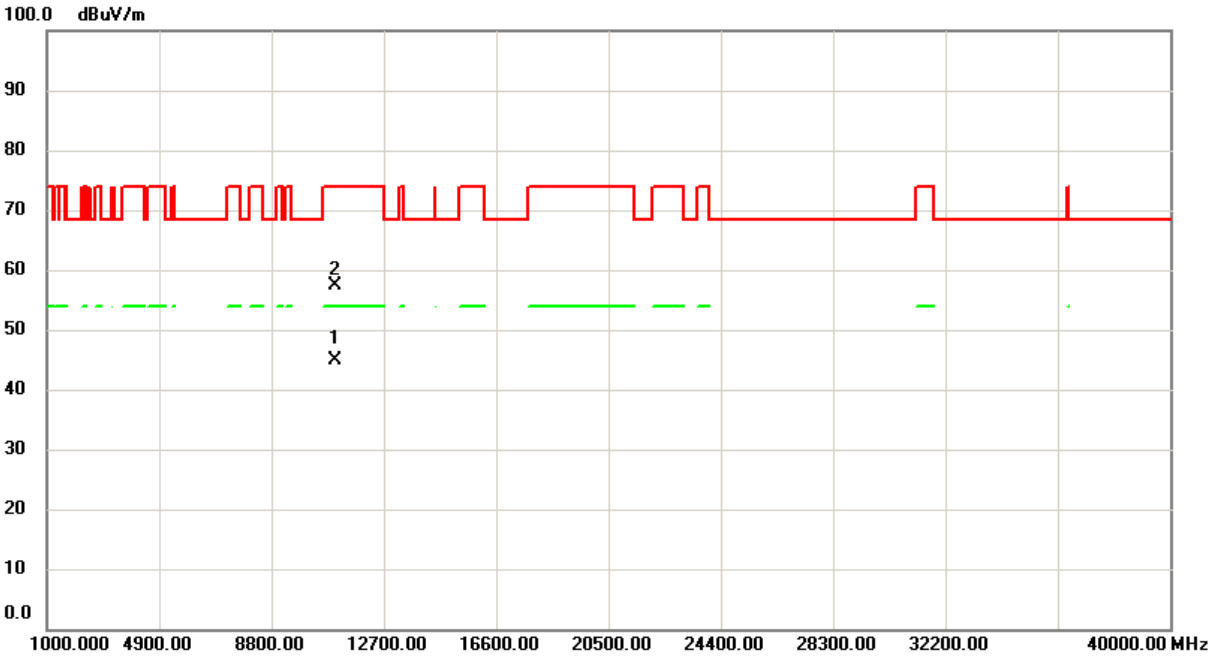
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5500MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

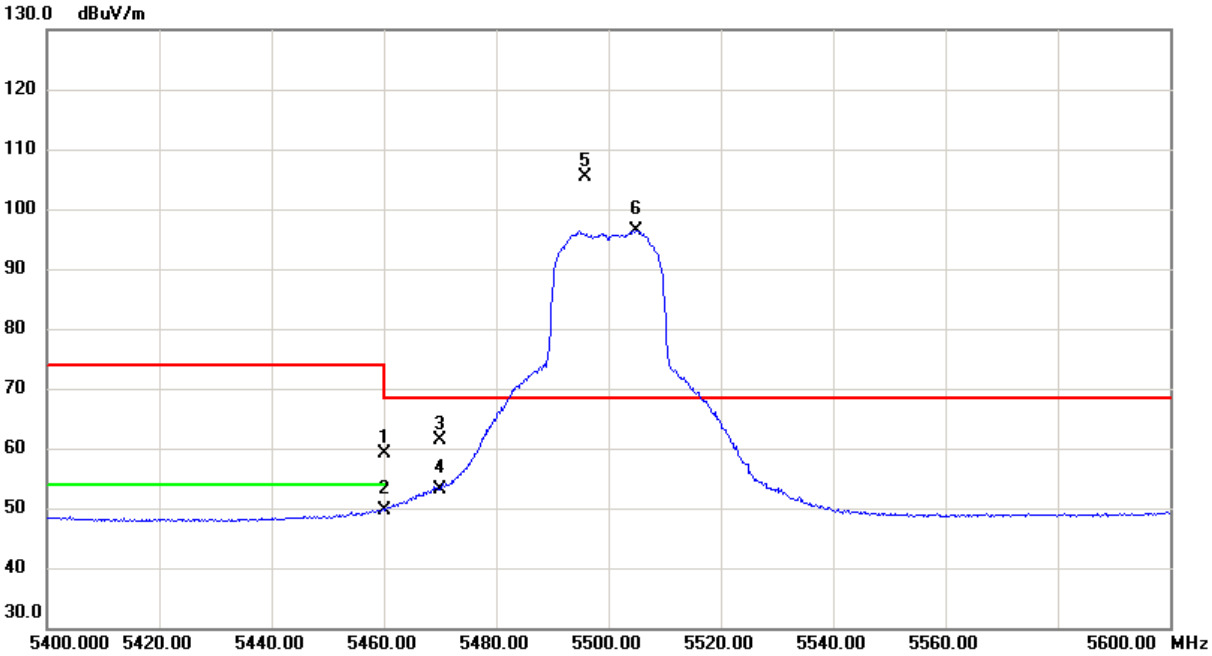


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	36.73	17.60	54.33	74.00	-19.67	peak	
2	5460.000	30.18	17.60	47.78	54.00	-6.22	AVG	
3	5470.000	38.22	17.62	55.84	68.30	-12.46	peak	
4	5470.000	30.54	17.62	48.16	68.30	-20.14	AVG	
5	* 5503.800	73.15	17.68	90.83	68.30	22.53	peak	Main wave signal cannot be determined
6	X 5505.200	66.94	17.68	84.62	68.30	16.32	AVG	Main wave signal cannot be determined

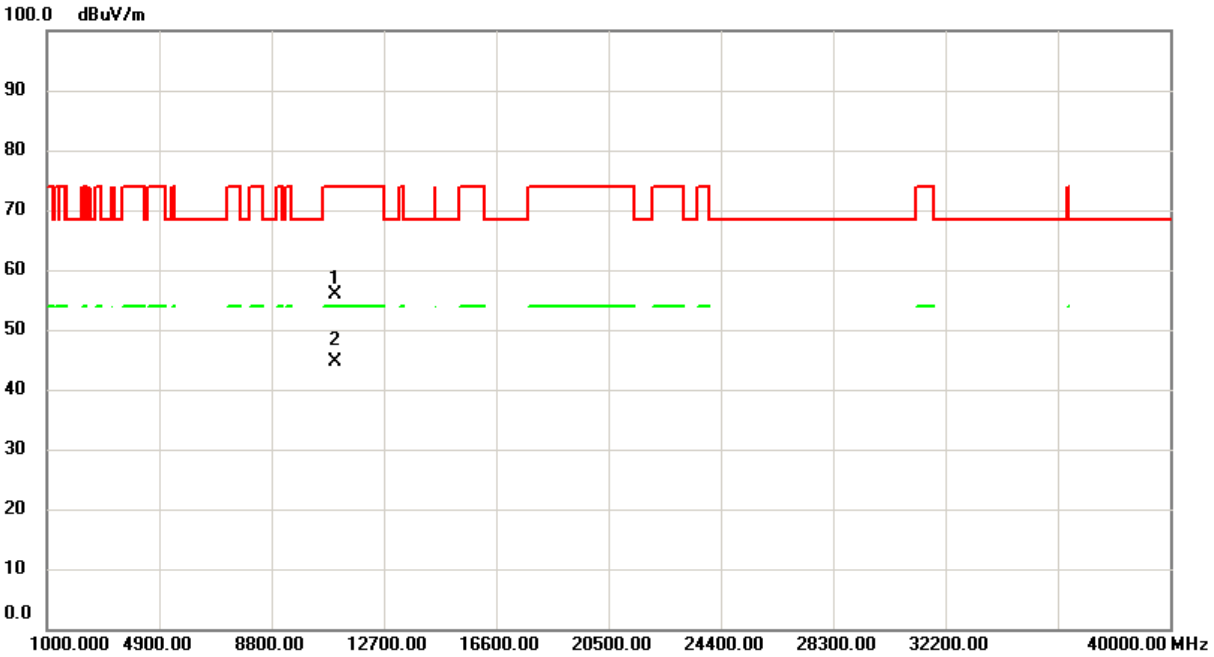


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10998.37	29.25	15.66	44.91	54.00	-9.09	AVG
2	11001.98	41.77	15.66	57.43	74.00	-16.57	peak

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	41.62	17.60	59.22	74.00	-14.78	peak	
2	5460.000	32.02	17.60	49.62	54.00	-4.38	AVG	
3	5470.000	43.88	17.62	61.50	68.30	-6.80	peak	
4	5470.000	35.58	17.62	53.20	68.30	-15.10	AVG	
5	* 5495.800	87.60	17.68	105.28	68.30	36.98	peak	Main wave signal cannot be determined
6	X 5505.000	78.80	17.68	96.48	68.30	28.18	AVG	Main wave signal cannot be determined

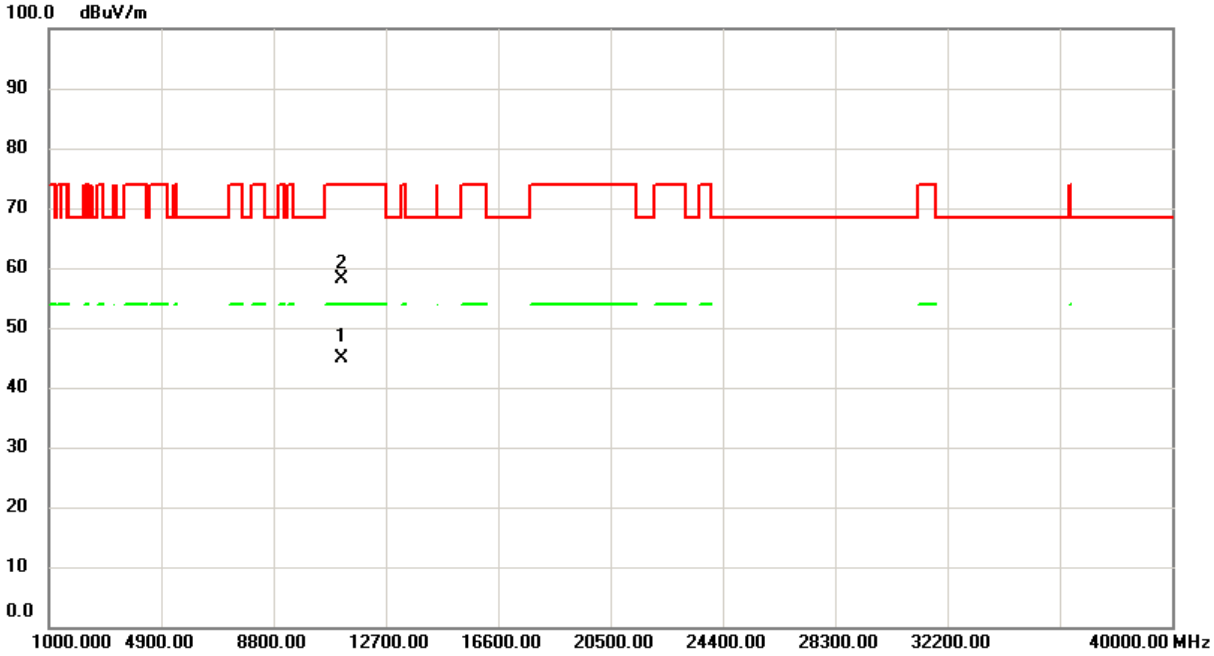


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10996.95	40.30	15.66	55.96	74.00	-18.04	peak
2	* 10997.10	29.08	15.66	44.74	54.00	-9.26	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

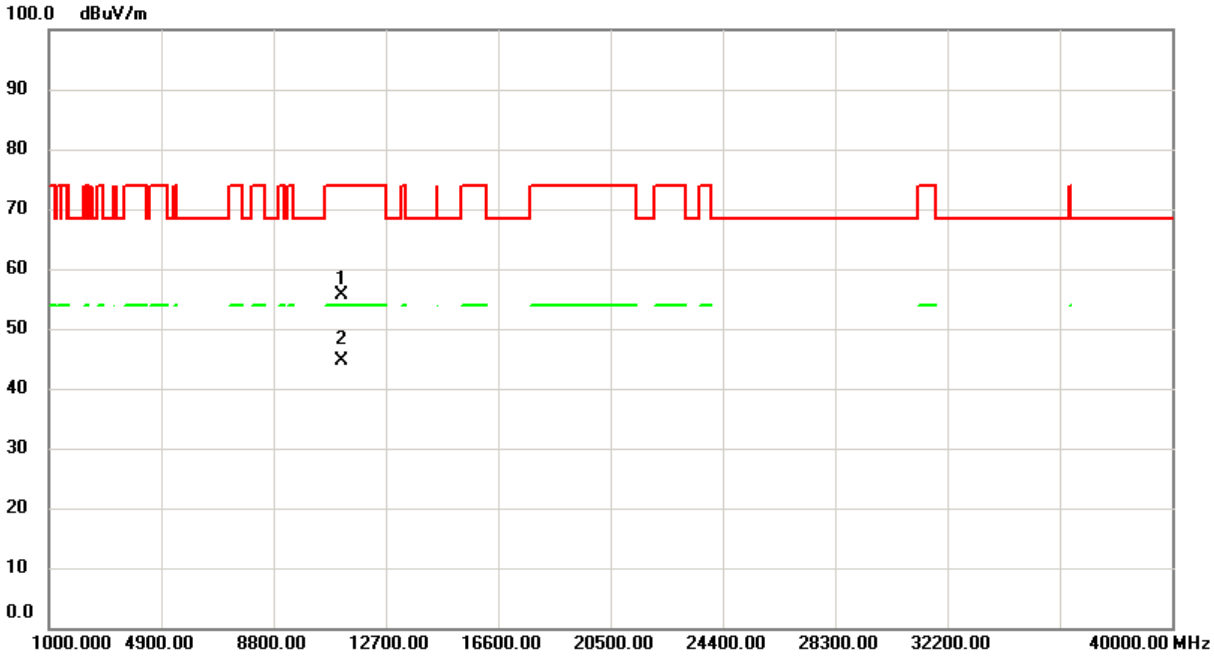
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5580MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11157.82	28.88	15.96	44.84	54.00	-9.16	AVG
2	11160.04	42.26	15.96	58.22	74.00	-15.78	peak

Antenna Polarization：Vertical

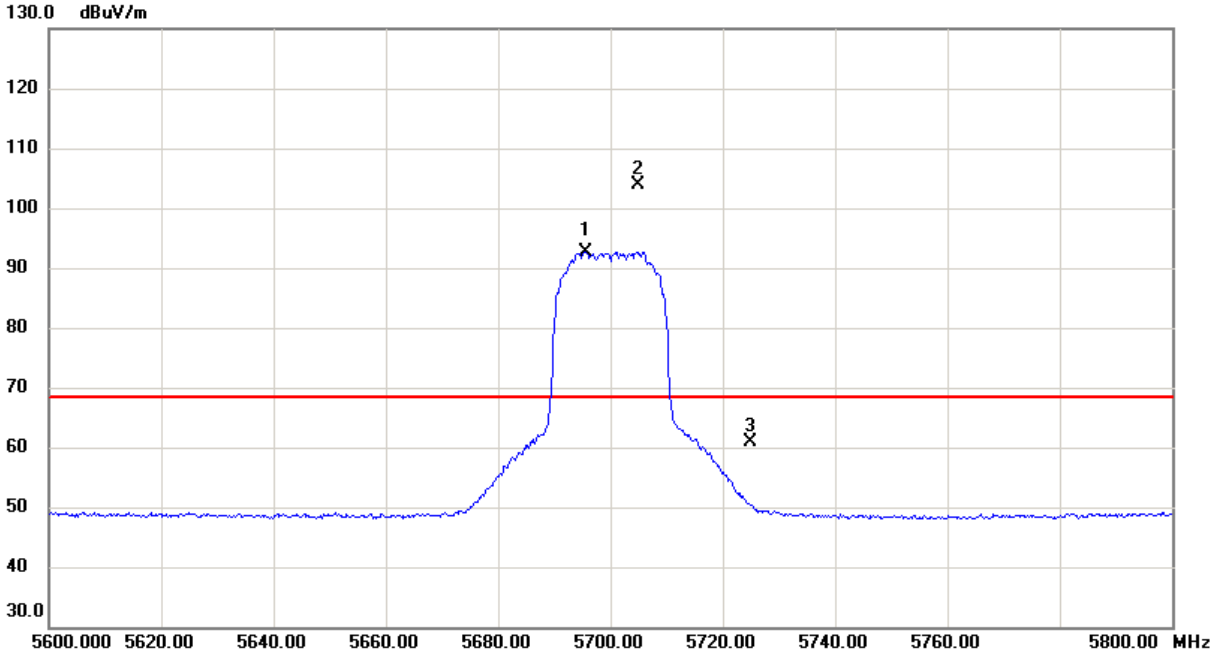


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11162.33	39.74	15.96	55.70	74.00	-18.30	peak
2	* 11163.09	28.75	15.96	44.71	54.00	-9.29	AVG

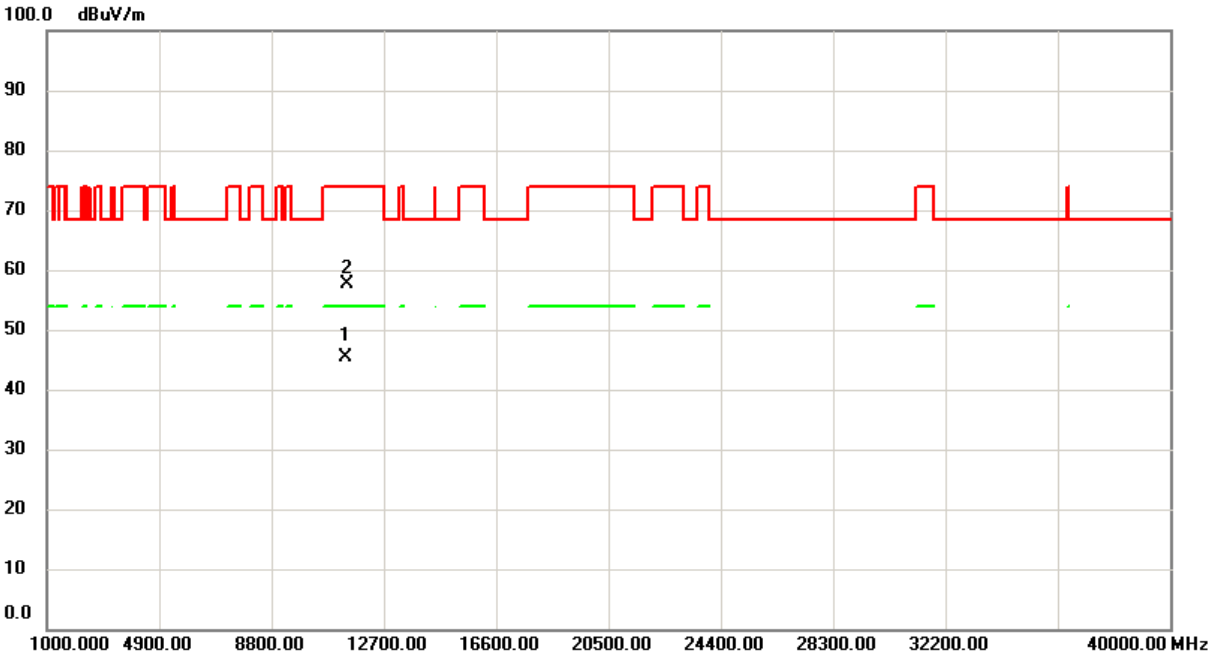
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5700MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

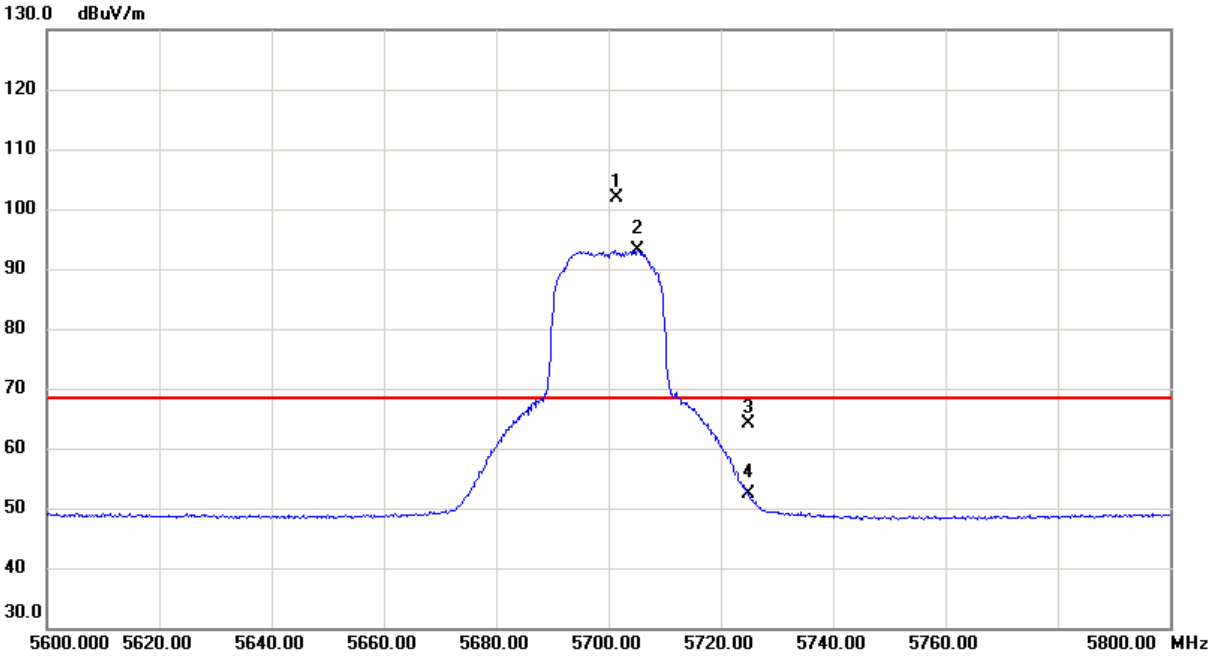


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5695.600	75.04	17.59	92.63	68.30	24.33	AVG	Main wave signal cannot be determined
2	*	5704.800	86.37	17.59	103.96	68.30	35.66	peak	Main wave signal cannot be determined
3		5725.000	43.16	17.60	60.76	68.30	-7.54	peak	

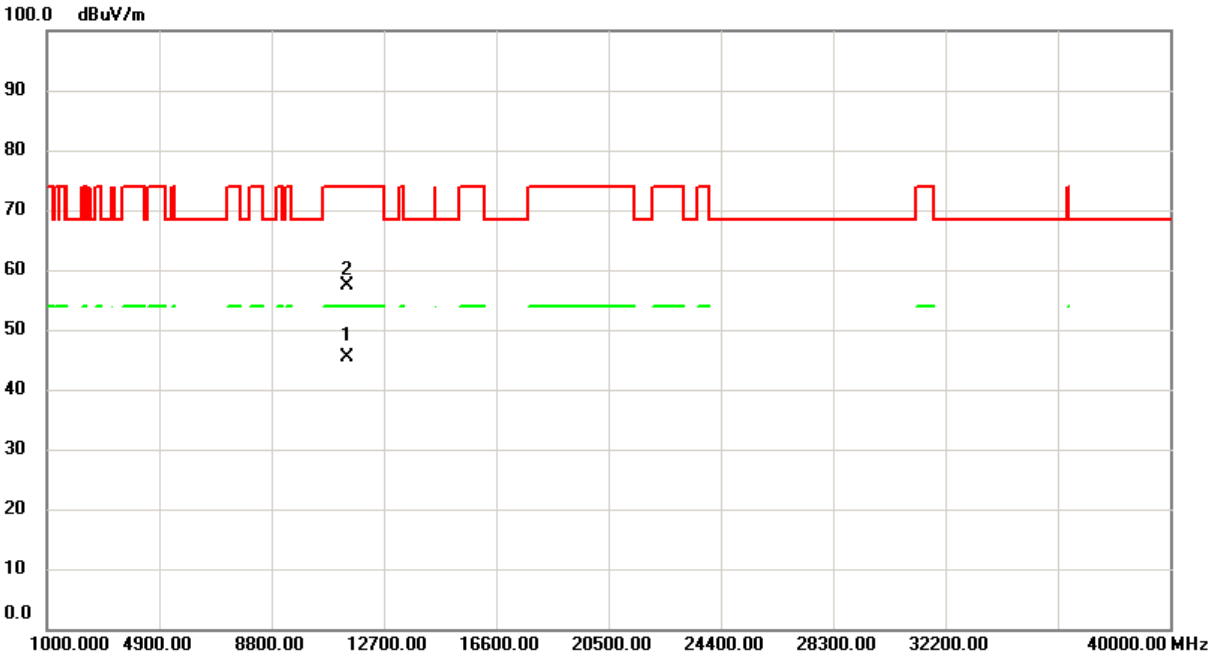


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11398.88	29.07	16.36	45.43	54.00	-8.57	AVG
2	11402.12	41.15	16.36	57.51	74.00	-16.49	peak

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5701.400	84.39	17.59	101.98	68.30	33.68	peak	Main wave signal cannot be determined
2	X	5705.200	75.60	17.59	93.19	68.30	24.89	AVG	Main wave signal cannot be determined
3		5725.000	46.64	17.60	64.24	68.30	-4.06	peak	
4		5725.000	34.79	17.60	52.39	68.30	-15.91	AVG	

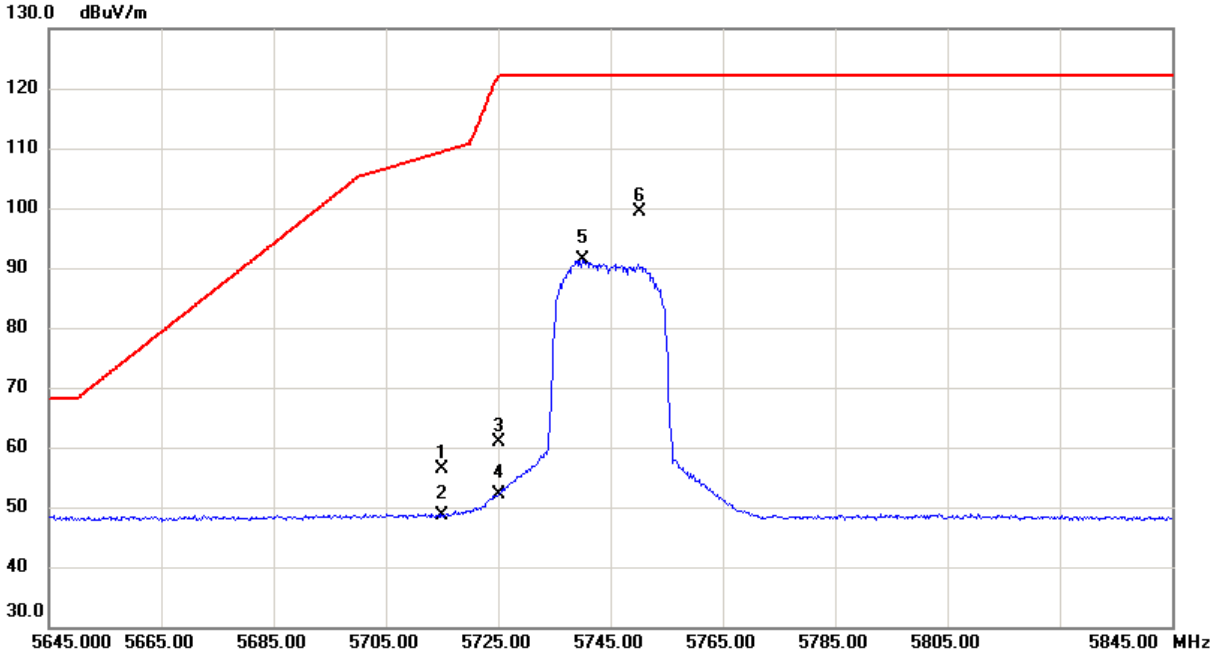


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11402.16	28.90	16.36	45.26	54.00	-8.74	AVG
2	11404.62	40.93	16.36	57.29	74.00	-16.71	peak

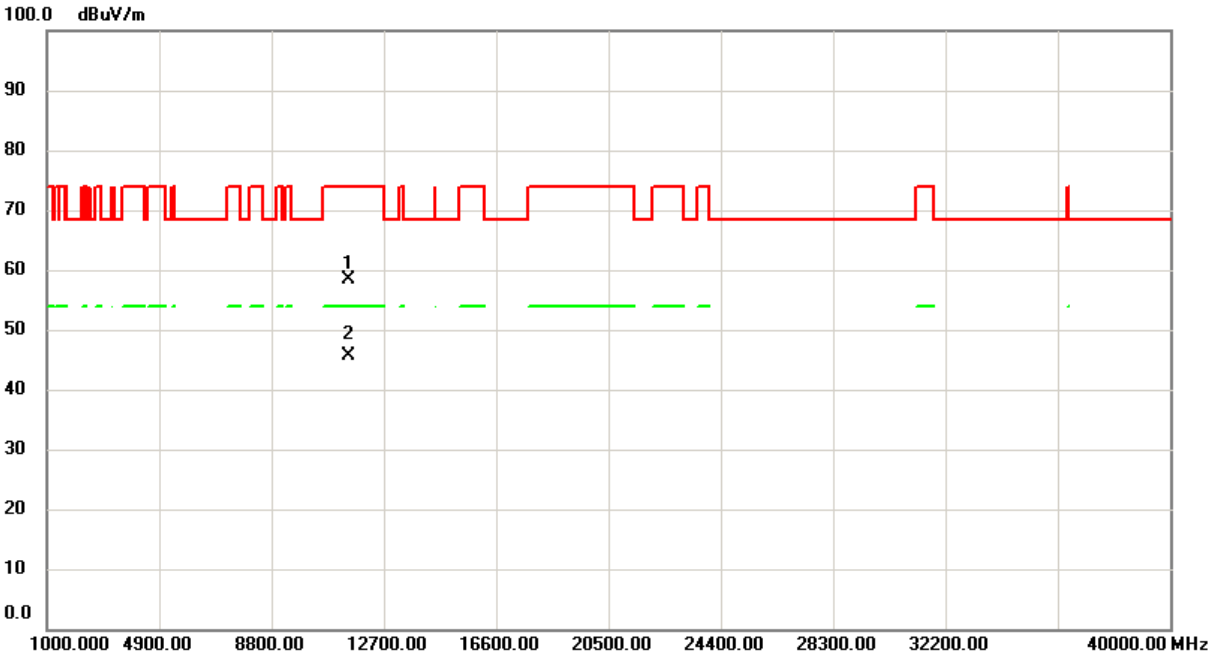
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5745MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

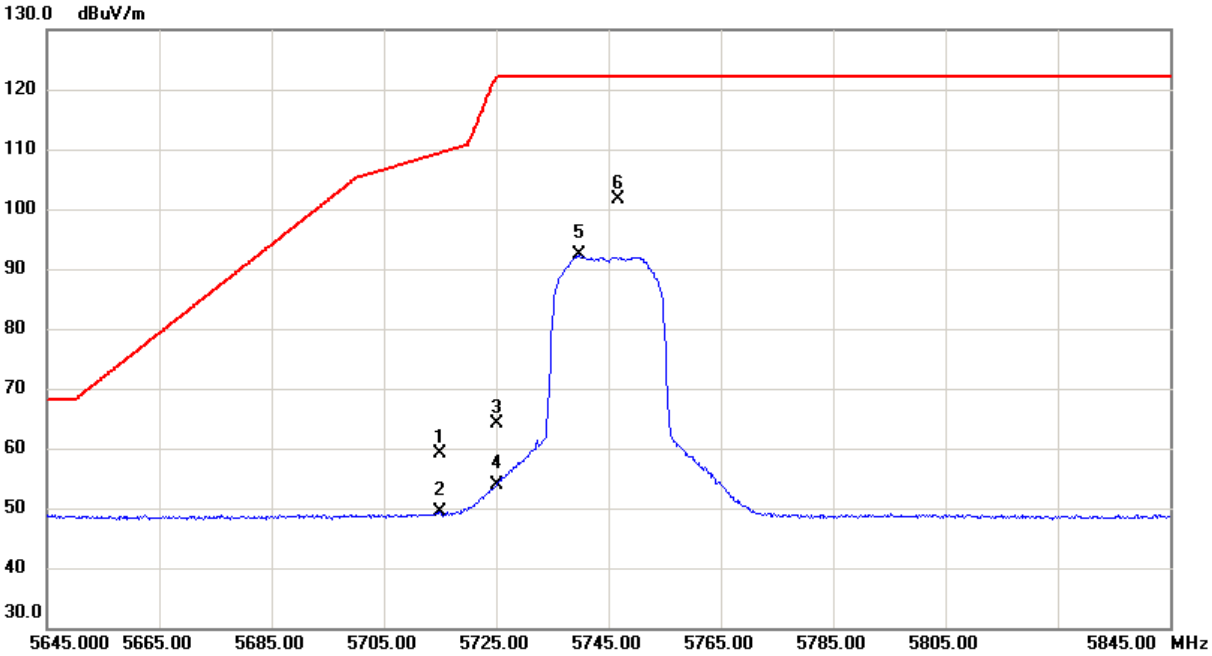


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	38.73	17.60	56.33	109.4	-53.07	peak	
2	5715.000	30.98	17.60	48.58	109.4	-60.82	AVG	
3	5725.000	43.27	17.60	60.87	122.2	-61.33	peak	
4	5725.000	34.59	17.60	52.19	122.2	-70.01	AVG	
5	5740.200	73.85	17.61	91.46	122.2	-30.74	AVG	Main wave signal cannot be determined
6	* 5750.200	81.75	17.62	99.37	122.2	-22.83	peak	Main wave signal cannot be determined

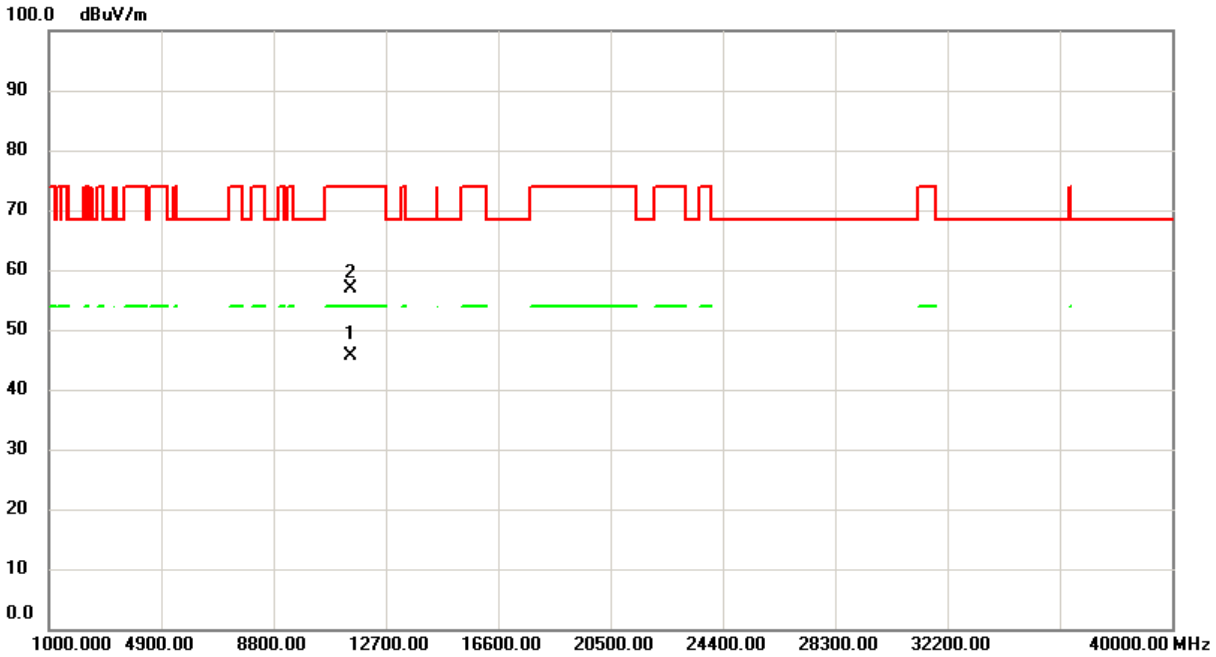


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11487.82	41.92	16.48	58.40	74.00	-15.60	peak
2	* 11488.38	29.23	16.48	45.71	54.00	-8.29	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	41.45	17.60	59.05	109.4	-50.35	peak	
2	5715.000	31.67	17.60	49.27	109.4	-60.13	AVG	
3	5725.000	46.65	17.60	64.25	122.2	-57.95	peak	
4	5725.000	36.32	17.60	53.92	122.2	-68.28	AVG	
5	5739.800	74.68	17.61	92.29	122.2	-29.91	AVG	Main wave signal cannot be determined
6	* 5746.800	84.06	17.61	101.67	122.2	-20.53	peak	Main wave signal cannot be determined

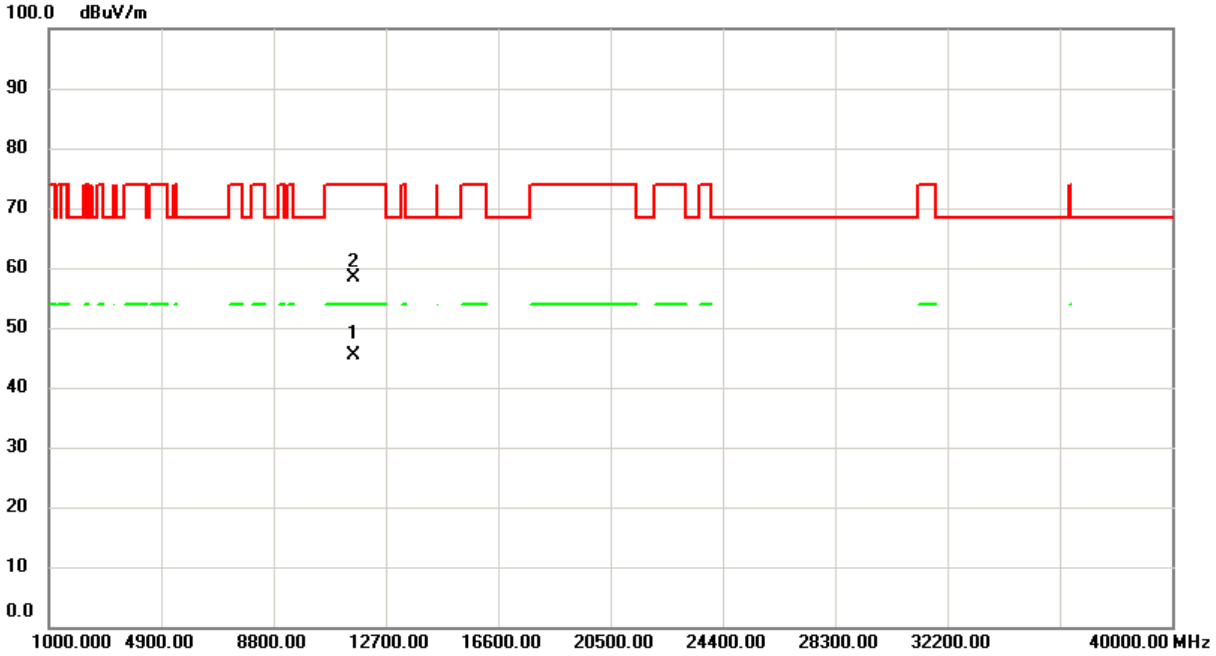


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11485.90	29.05	16.48	45.53	54.00	-8.47	AVG
2	11491.77	40.31	16.48	56.79	74.00	-17.21	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

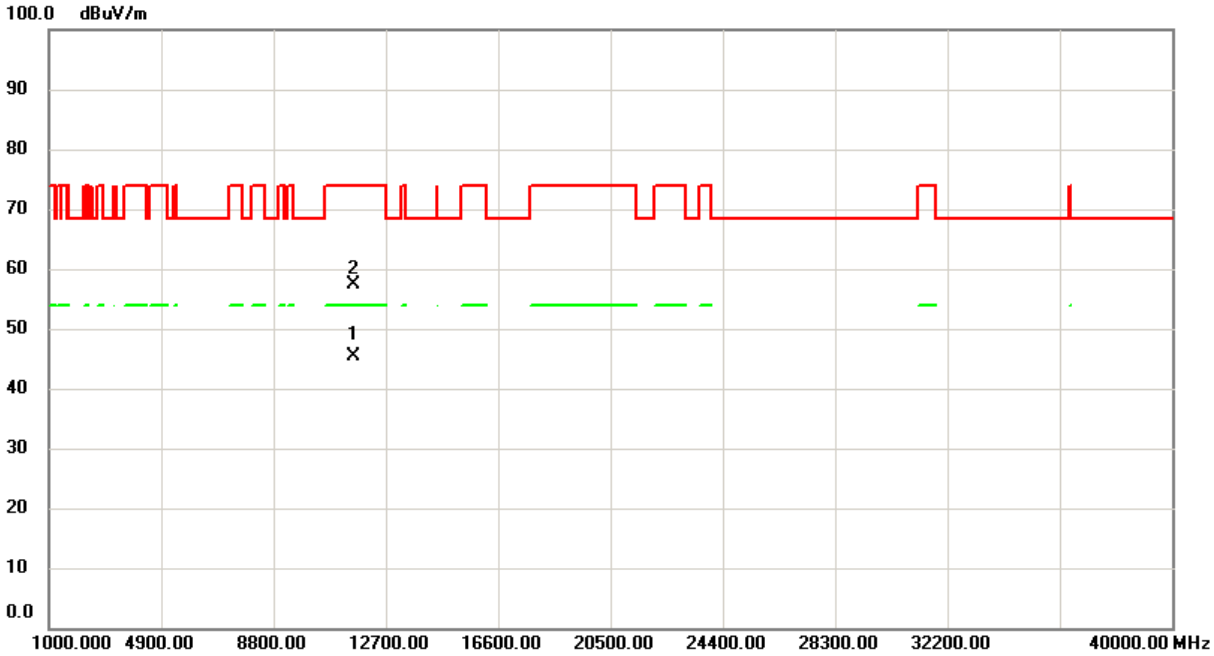
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5785MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11568.85	28.66	16.72	45.38	54.00	-8.62	AVG
2	11570.79	41.77	16.72	58.49	74.00	-15.51	peak

Antenna Polarization：Vertical

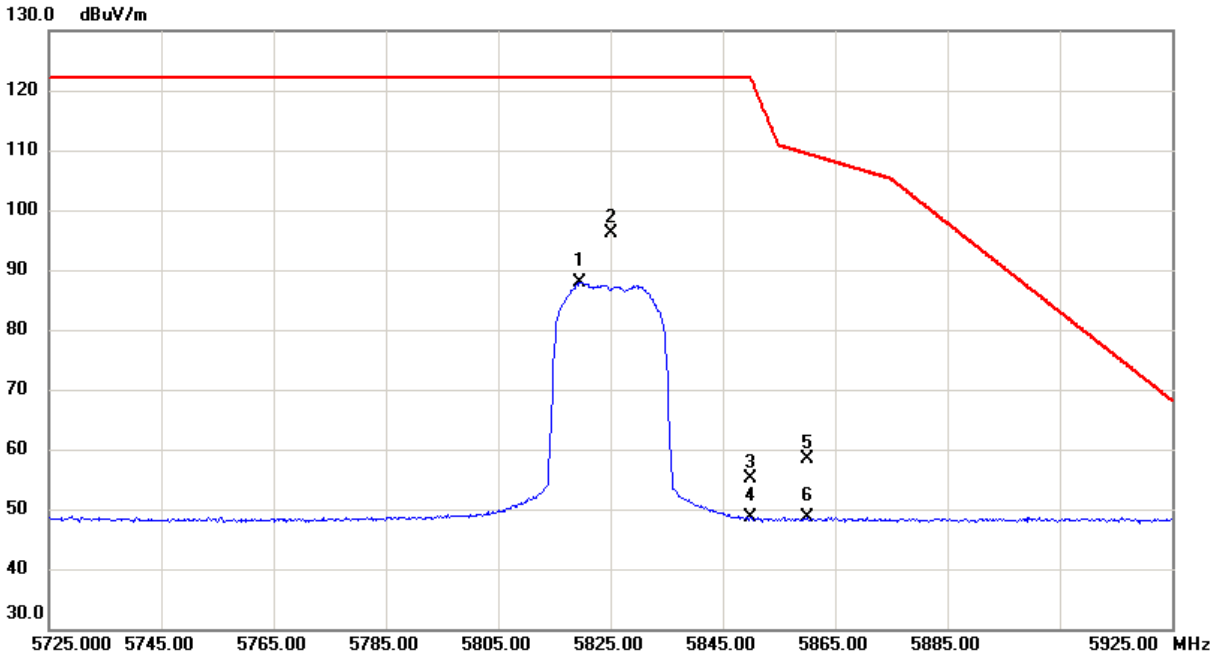


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over	
	MHz	dBuV	dB	dBuV/m	dB	Detector Comment
1	* 11565.08	28.78	16.71	45.49	54.00	-8.51 AVG
2	11567.59	40.75	16.72	57.47	74.00	-16.53 peak

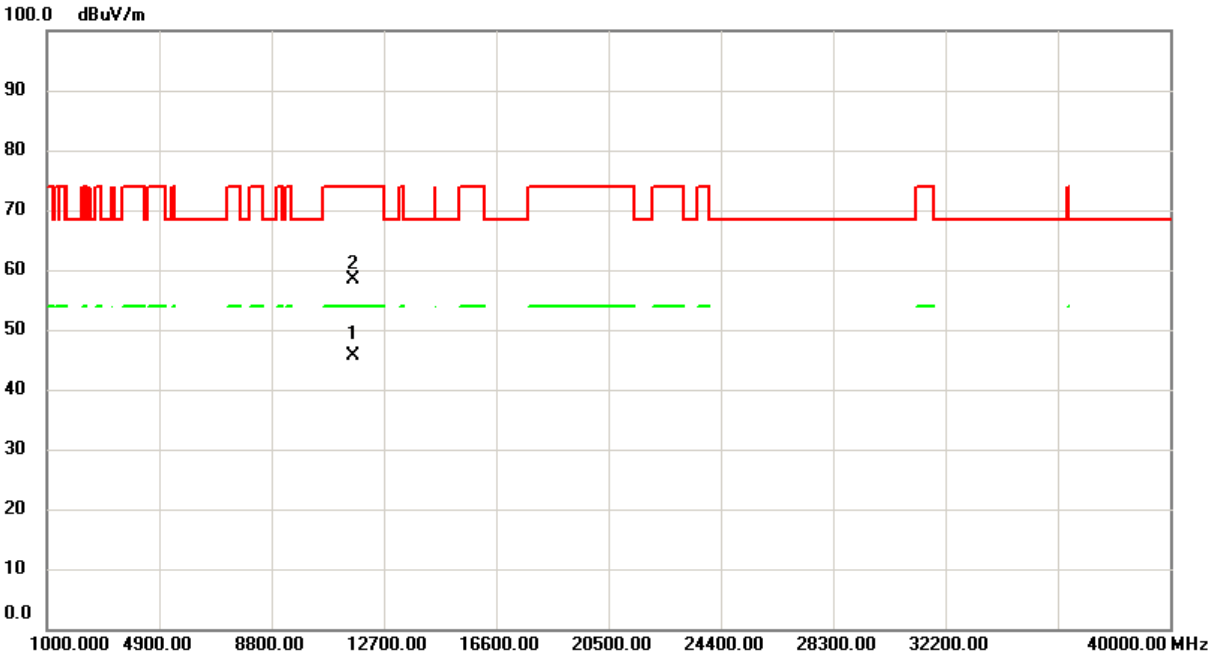
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 20
Detector Type:	PK. and AV.	L.O.:	5825MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

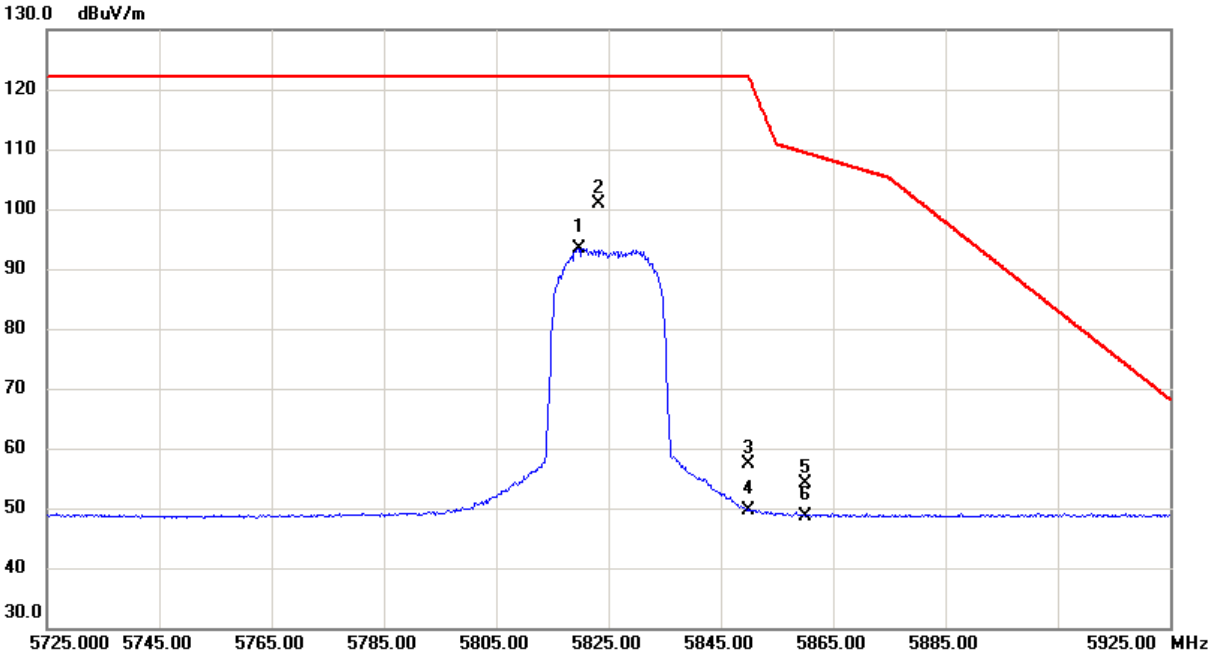


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5819.600	70.22	17.75	87.97	122.2	-34.23	AVG	Main wave signal cannot be determined
2	* 5825.000	78.47	17.75	96.22	122.2	-25.98	peak	Main wave signal cannot be determined
3	5850.000	37.42	17.76	55.18	122.2	-67.02	peak	
4	5850.000	30.76	17.76	48.52	122.2	-73.68	AVG	
5	5860.000	40.51	17.79	58.30	109.4	-51.10	peak	
6	5860.000	30.90	17.79	48.69	109.4	-60.71	AVG	

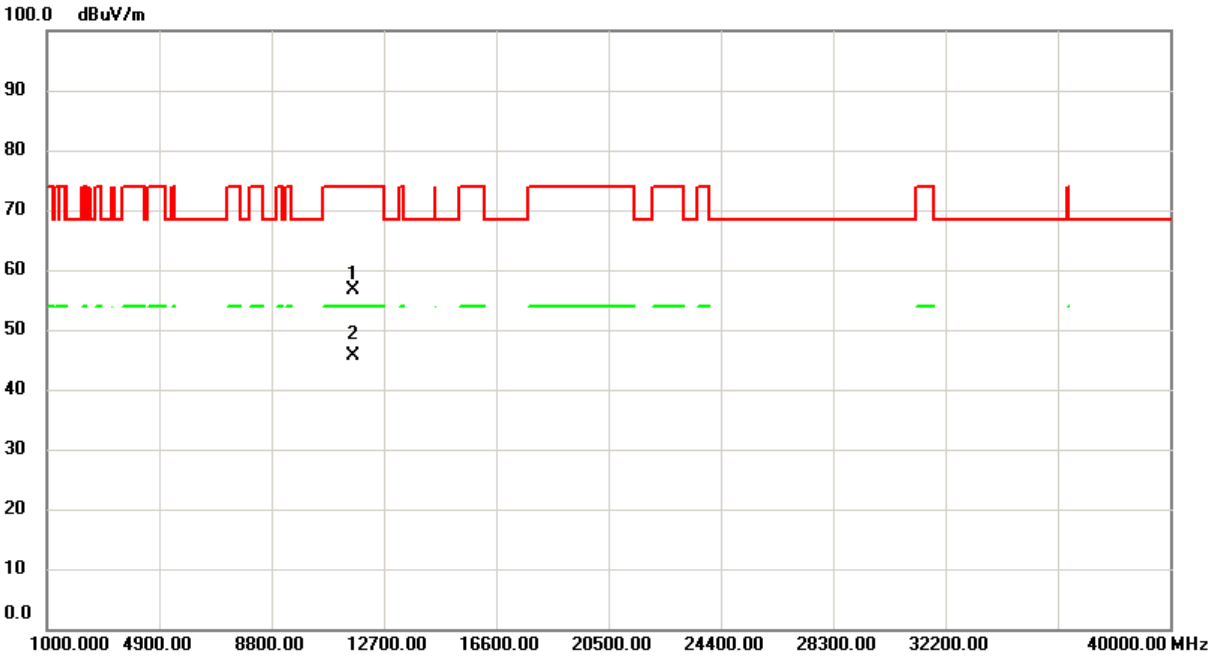


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11651.90	28.80	16.94	45.74	54.00	-8.26	AVG
2	11652.39	41.35	16.94	58.29	74.00	-15.71	peak

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5819.800	75.73	17.75	93.48	122.2	-28.72	AVG	Main wave signal cannot be determined
2	* 5823.400	83.16	17.75	100.91	122.2	-21.29	peak	Main wave signal cannot be determined
3	5850.000	39.58	17.76	57.34	122.2	-64.86	peak	
4	5850.000	31.99	17.76	49.75	122.2	-72.45	AVG	
5	5860.000	36.33	17.79	54.12	109.4	-55.28	peak	
6	5860.000	30.95	17.79	48.74	109.4	-60.66	AVG	

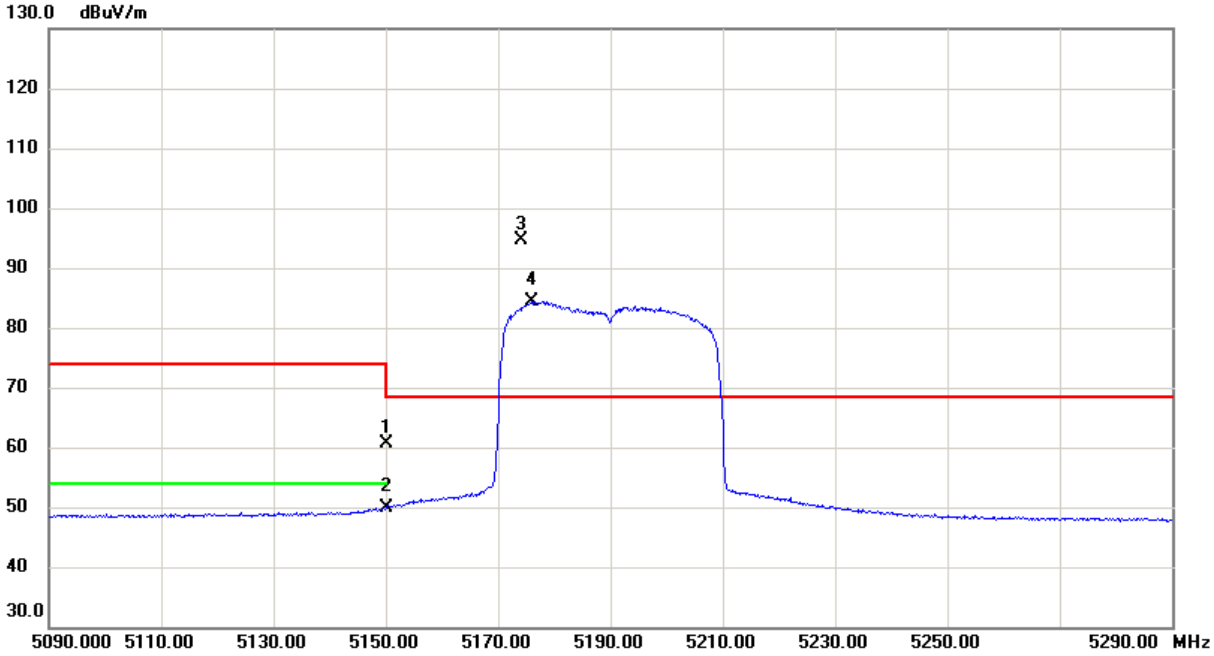


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11648.43	39.70	16.94	56.64	74.00	-17.36	peak
2	* 11650.33	28.57	16.94	45.51	54.00	-8.49	AVG

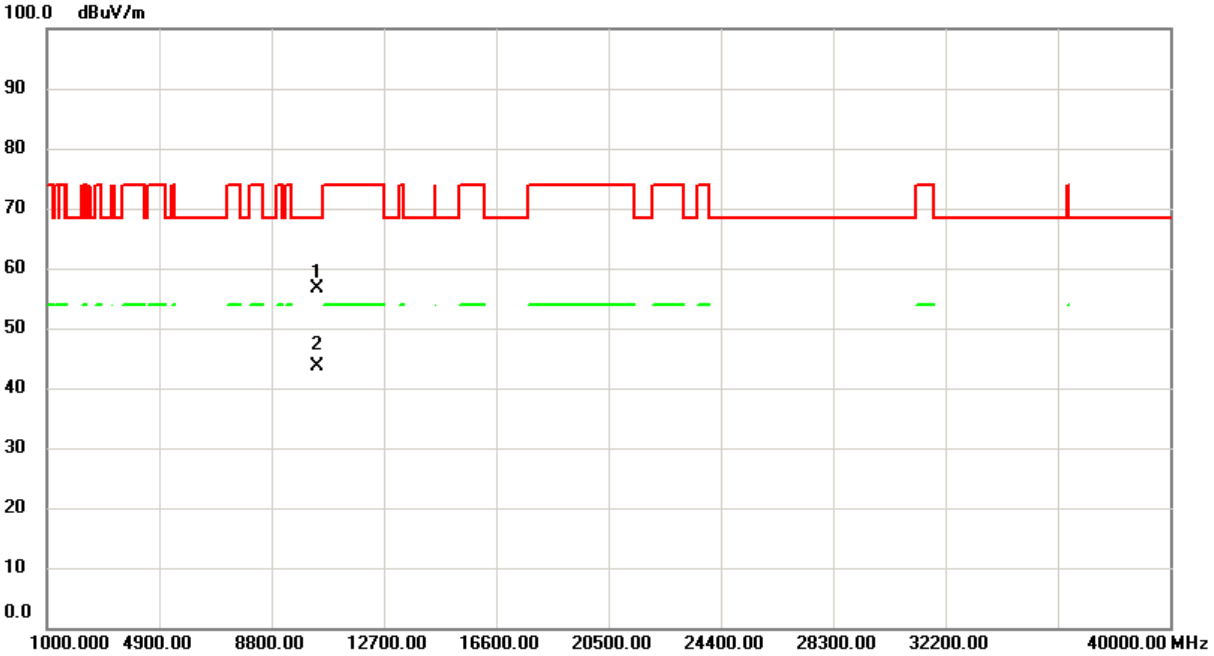
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5190MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

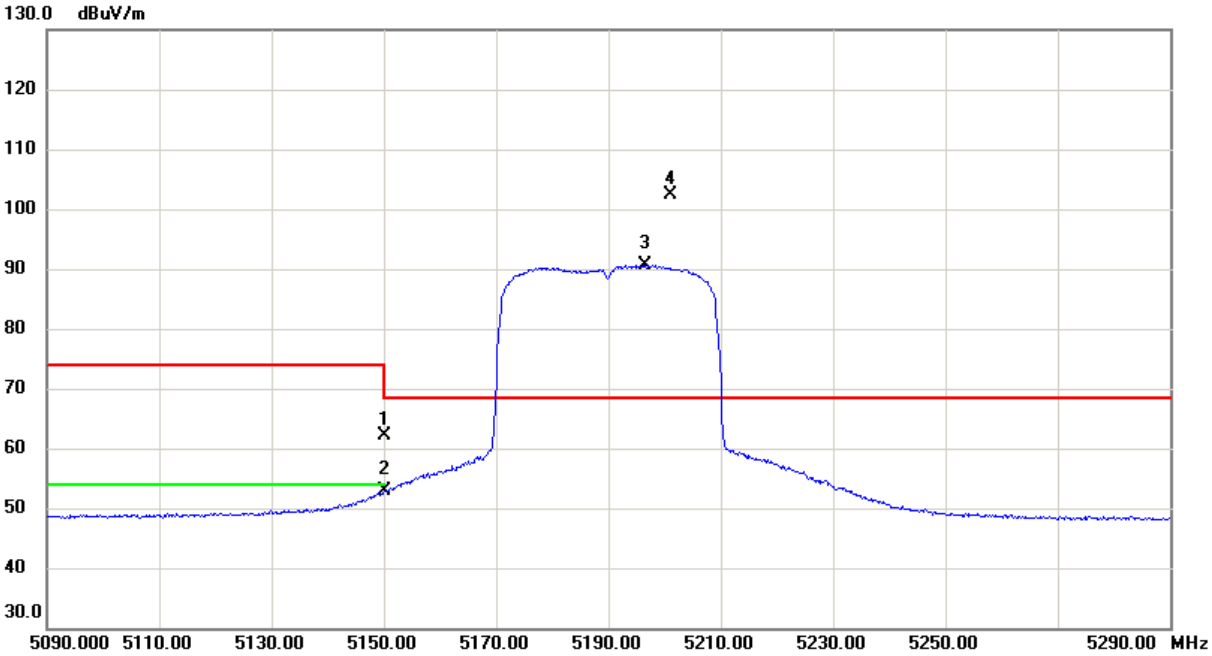


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	43.33	17.21	60.54	74.00	-13.46	peak	
2	5150.000	32.67	17.21	49.88	54.00	-4.12	AVG	
3	* 5174.200	77.39	17.32	94.71	68.30	26.41	peak	Main wave signal cannot be determined
4	X 5176.000	66.99	17.32	84.31	68.30	16.01	AVG	Main wave signal cannot be determined

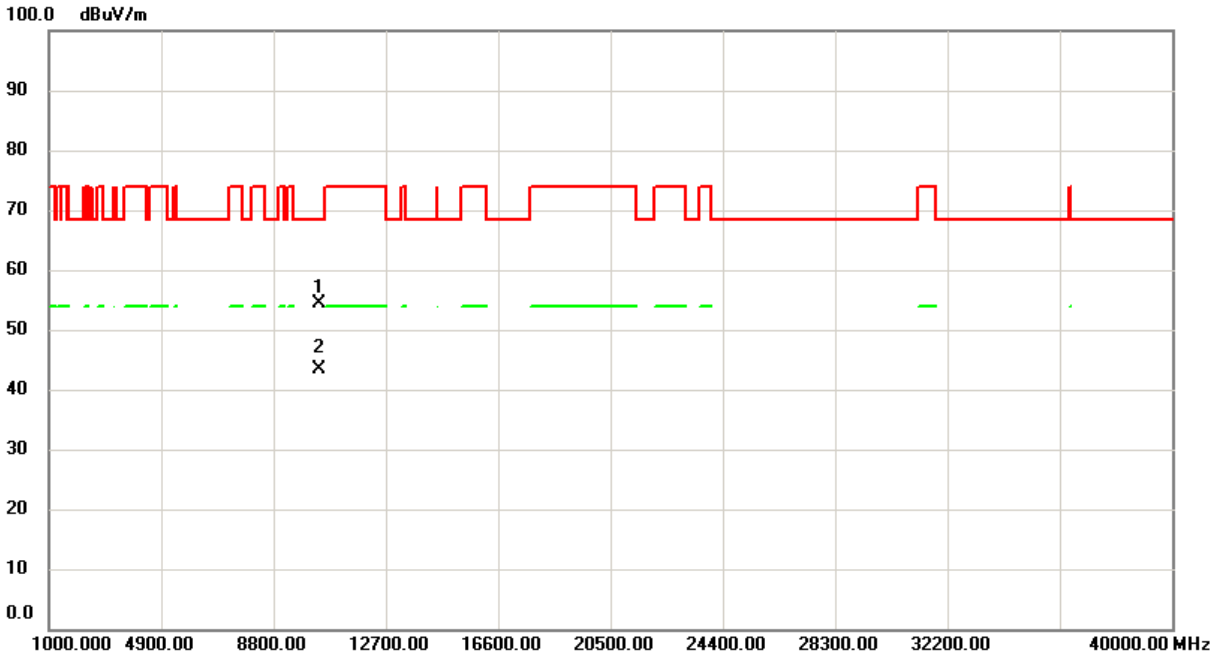


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10377.89	42.27	14.39	56.66	68.30	-11.64	peak
2	10381.80	29.30	14.40	43.70	68.30	-24.60	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.000	44.99	17.21	62.20	74.00	-11.80	peak	
2	5150.000	35.72	17.21	52.93	54.00	-1.07	AVG	
3	X 5196.600	73.26	17.41	90.67	68.30	22.37	AVG	Main wave signal cannot be determined
4	* 5201.200	85.06	17.42	102.48	68.30	34.18	peak	Main wave signal cannot be determined

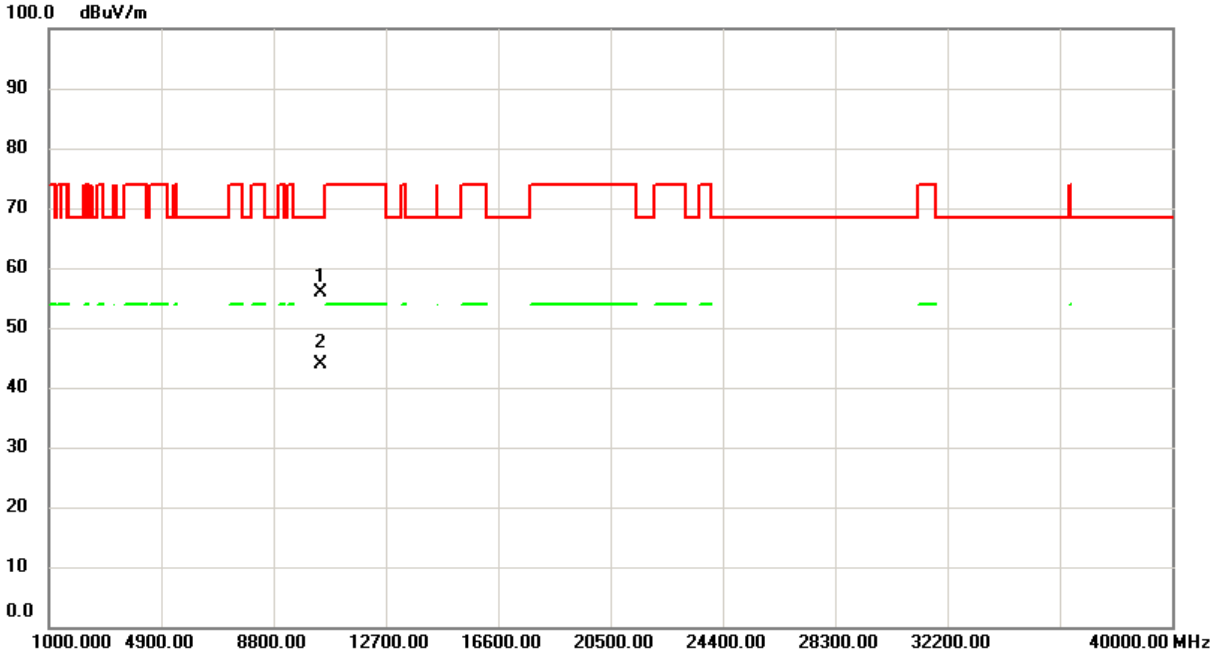


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10380.61	40.01	14.40	54.41	68.30	-13.89	peak
2	10384.52	28.89	14.41	43.30	68.30	-25.00	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

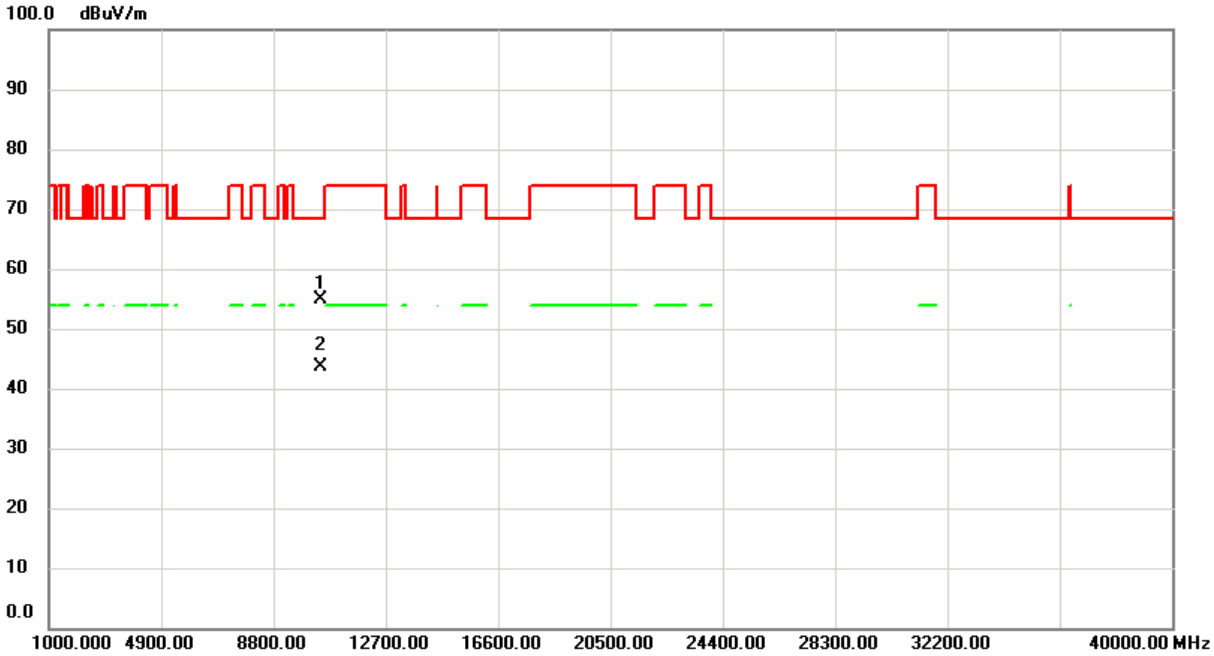
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5230MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10455.52	41.26	14.57	55.83	68.30	-12.47	peak
2	10459.25	29.39	14.57	43.96	68.30	-24.34	AVG

Antenna Polarization：Vertical

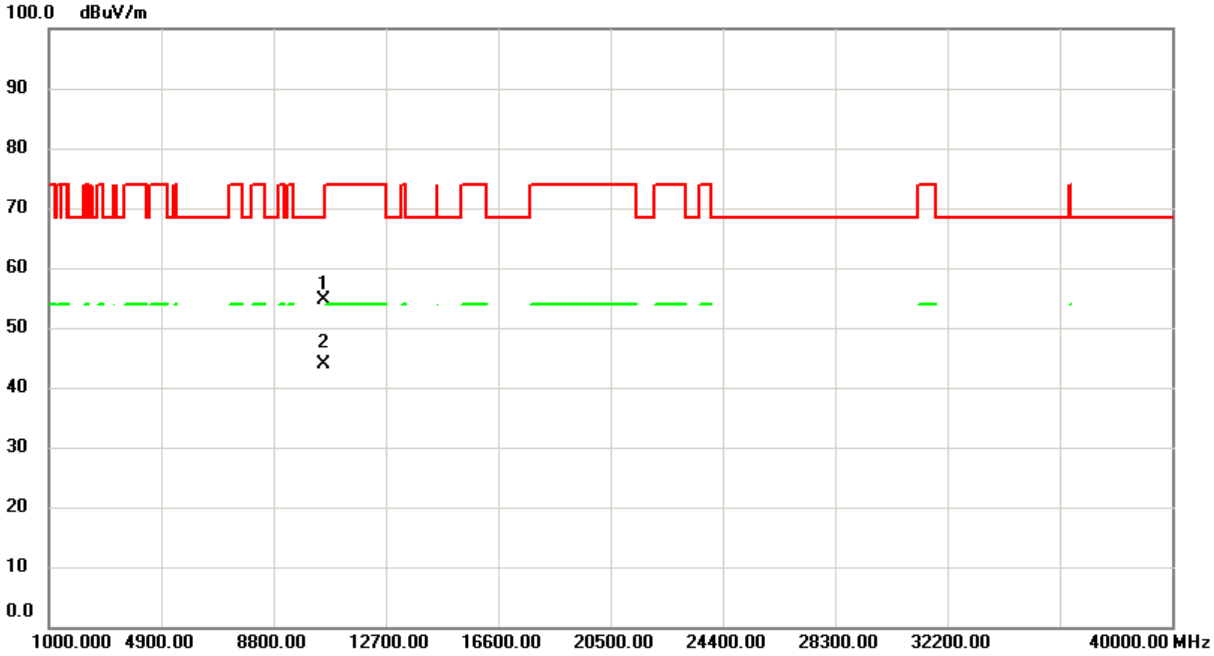


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10457.82	40.37	14.57	54.94	68.30	-13.36	peak
2	10462.36	29.13	14.57	43.70	68.30	-24.60	AVG

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

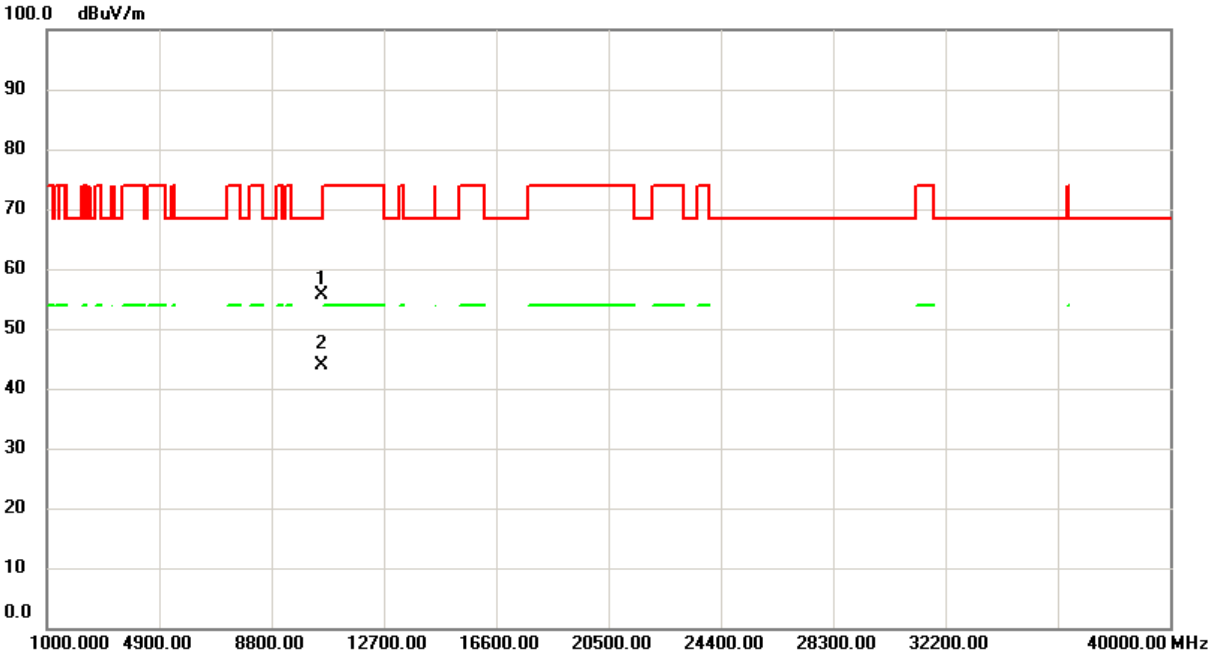
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5270MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10536.55	39.94	14.74	54.68	68.30	-13.62	peak
2	10543.93	29.20	14.76	43.96	68.30	-24.34	AVG

Antenna Polarization：Vertical

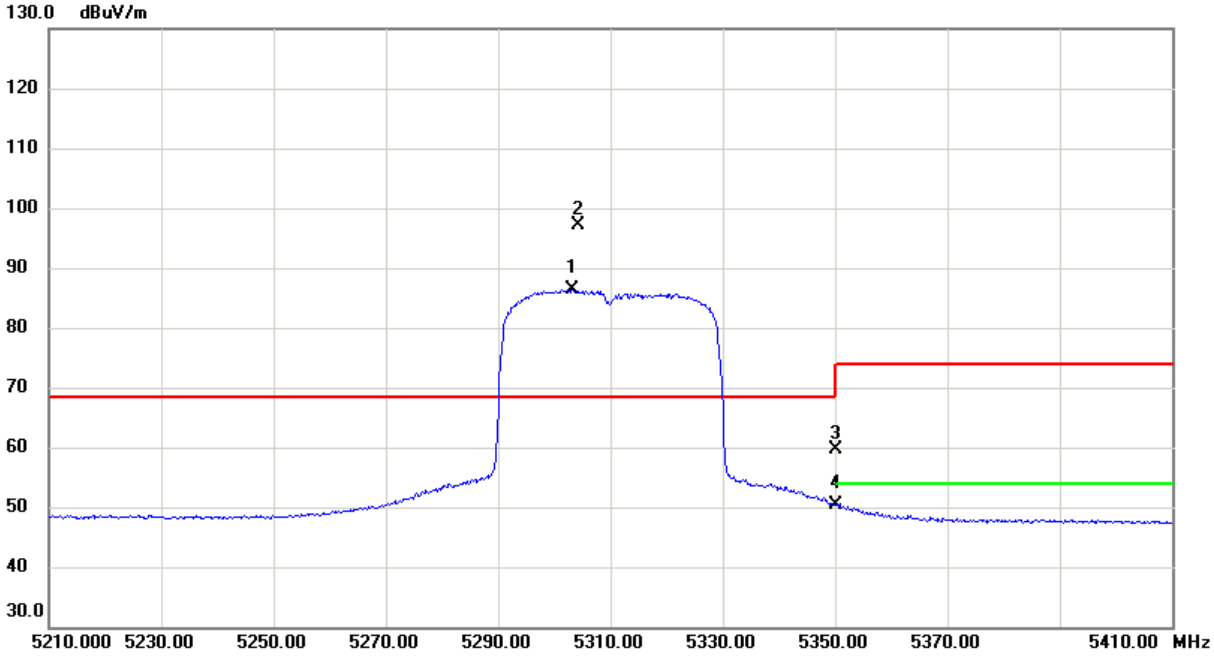


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10536.00	40.93	14.74	55.67	68.30	-12.63	peak
2	10543.30	29.09	14.75	43.84	68.30	-24.46	AVG

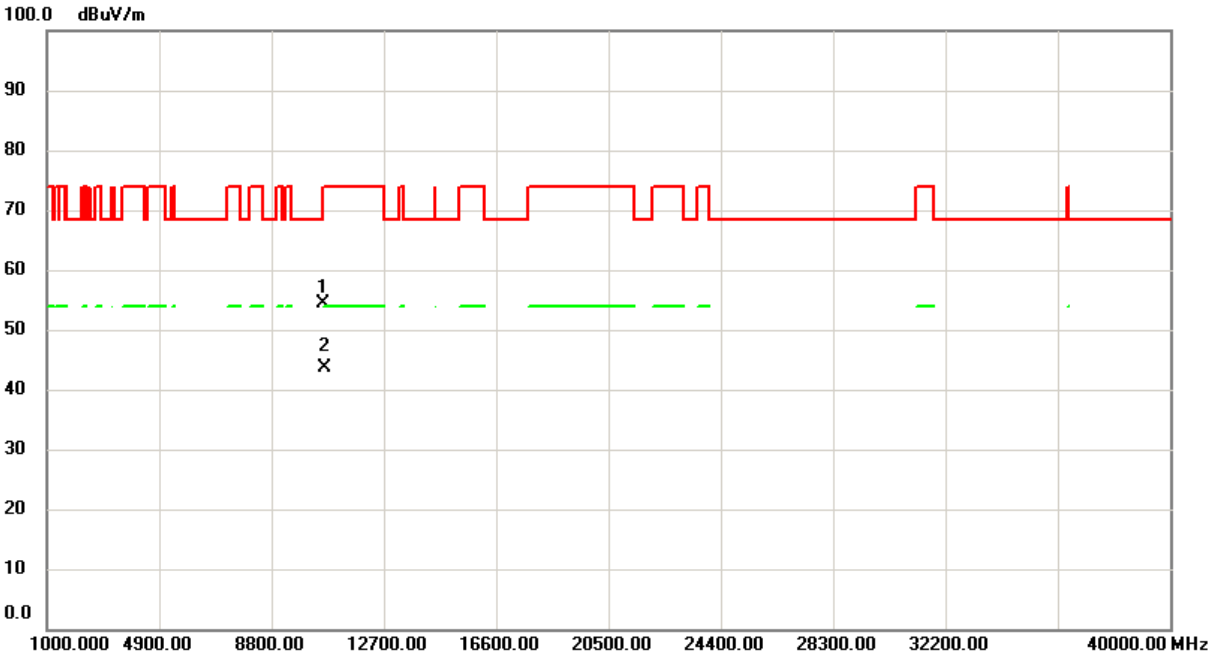
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5310MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

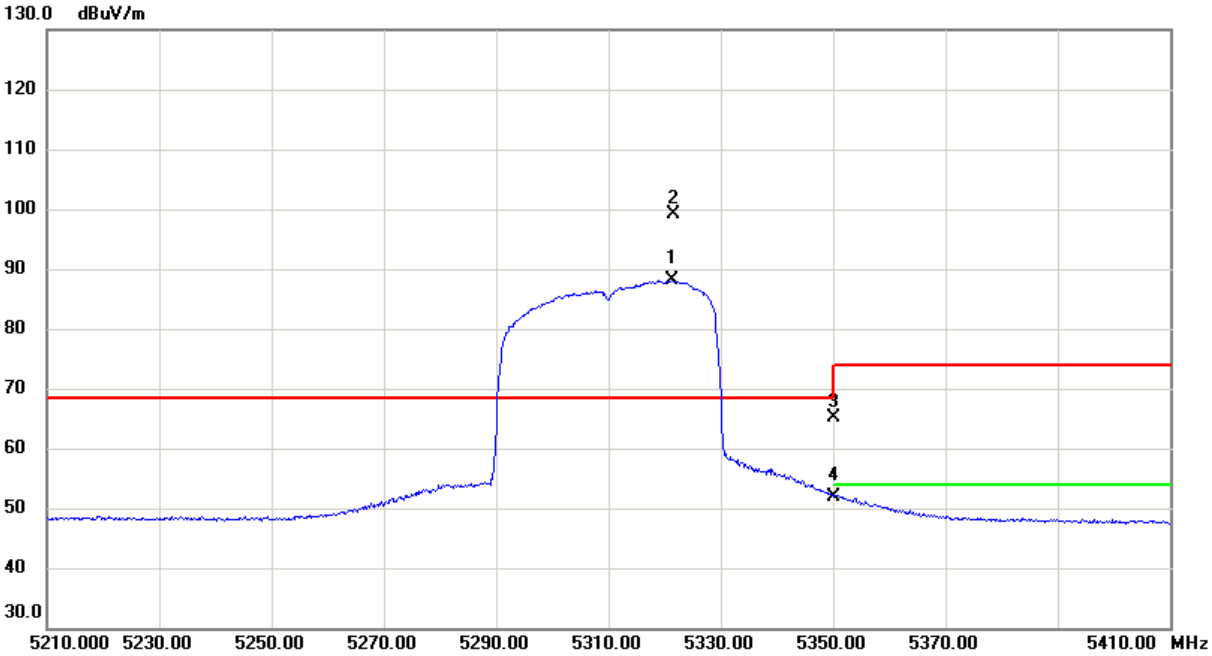


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5303.200	68.71	17.63	86.34	68.30	18.04	AVG	Main wave signal cannot be determined
2	*	5304.400	79.42	17.63	97.05	68.30	28.75	peak	Main wave signal cannot be determined
3		5350.000	42.19	17.55	59.74	74.00	-14.26	peak	
4		5350.000	32.86	17.55	50.41	54.00	-3.59	AVG	

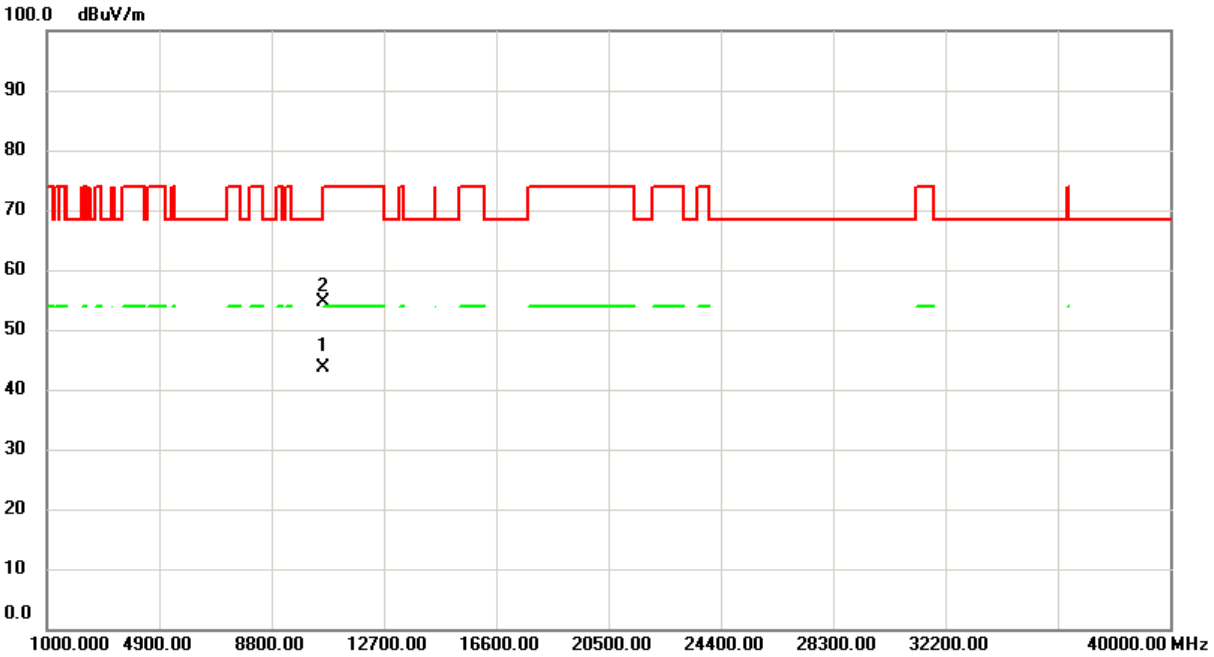


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	10618.91	39.49	14.92	54.41	74.00	-19.59	peak
2	* 10622.85	28.67	14.93	43.60	54.00	-10.40	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5321.400	70.53	17.60	88.13	68.30	19.83	AVG	Main wave signal cannot be determined
2	*	5321.600	81.44	17.60	99.04	68.30	30.74	peak	Main wave signal cannot be determined
3		5350.000	47.57	17.55	65.12	74.00	-8.88	peak	
4		5350.000	34.43	17.55	51.98	54.00	-2.02	AVG	

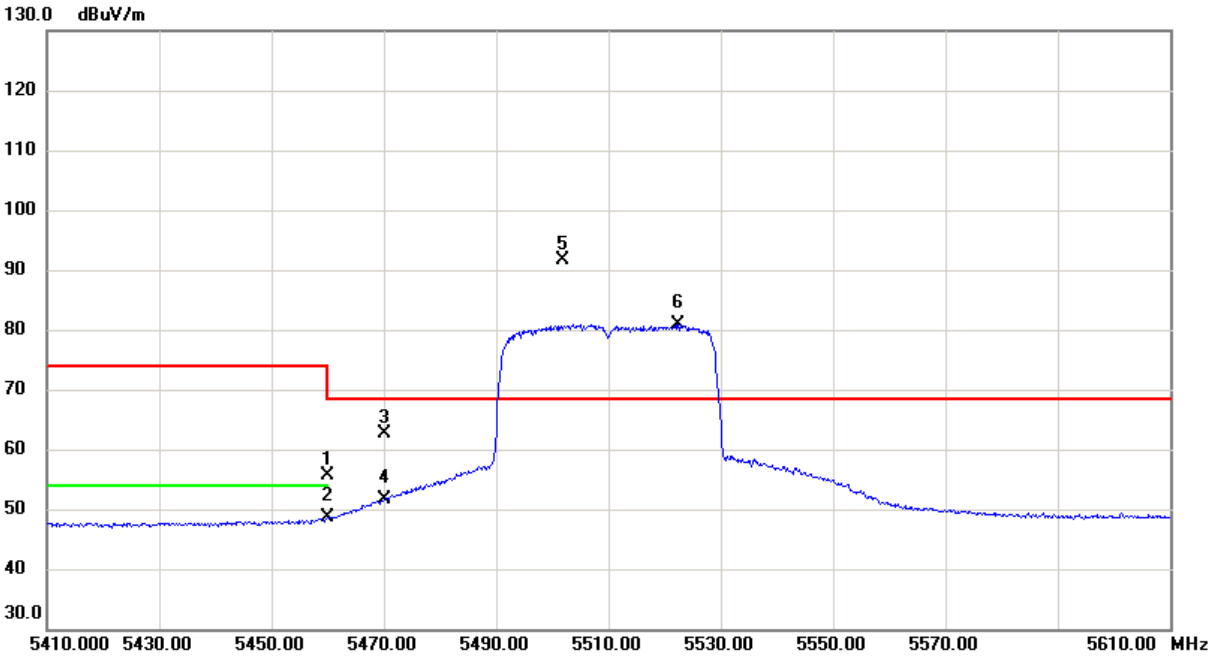


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 10618.40	28.82	14.91	43.73	54.00	-10.27	AVG
2	10619.56	39.80	14.92	54.72	74.00	-19.28	peak

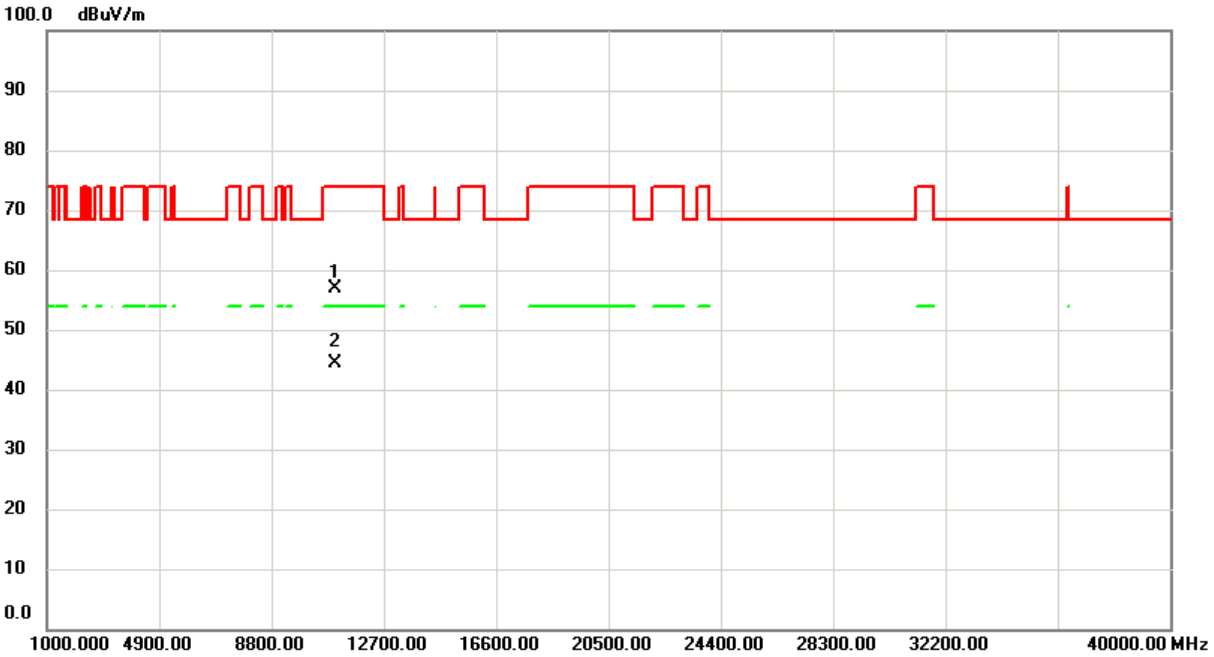
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5510MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

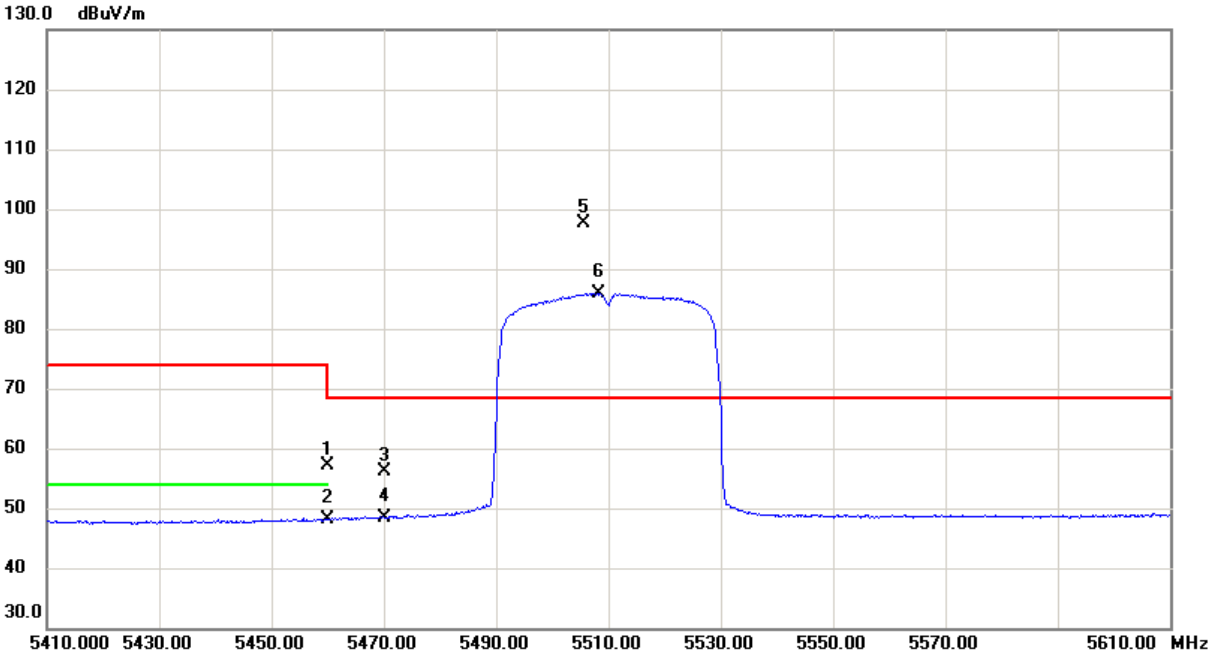


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	37.98	17.60	55.58	74.00	-18.42	peak	
2	5460.000	31.06	17.60	48.66	54.00	-5.34	AVG	
3	5470.000	44.94	17.62	62.56	68.30	-5.74	peak	
4	5470.000	33.90	17.62	51.52	68.30	-16.78	AVG	
5	* 5501.800	73.91	17.69	91.60	68.30	23.30	peak	Main wave signal cannot be determined
6	X 5522.400	63.18	17.66	80.84	68.30	12.54	AVG	Main wave signal cannot be determined

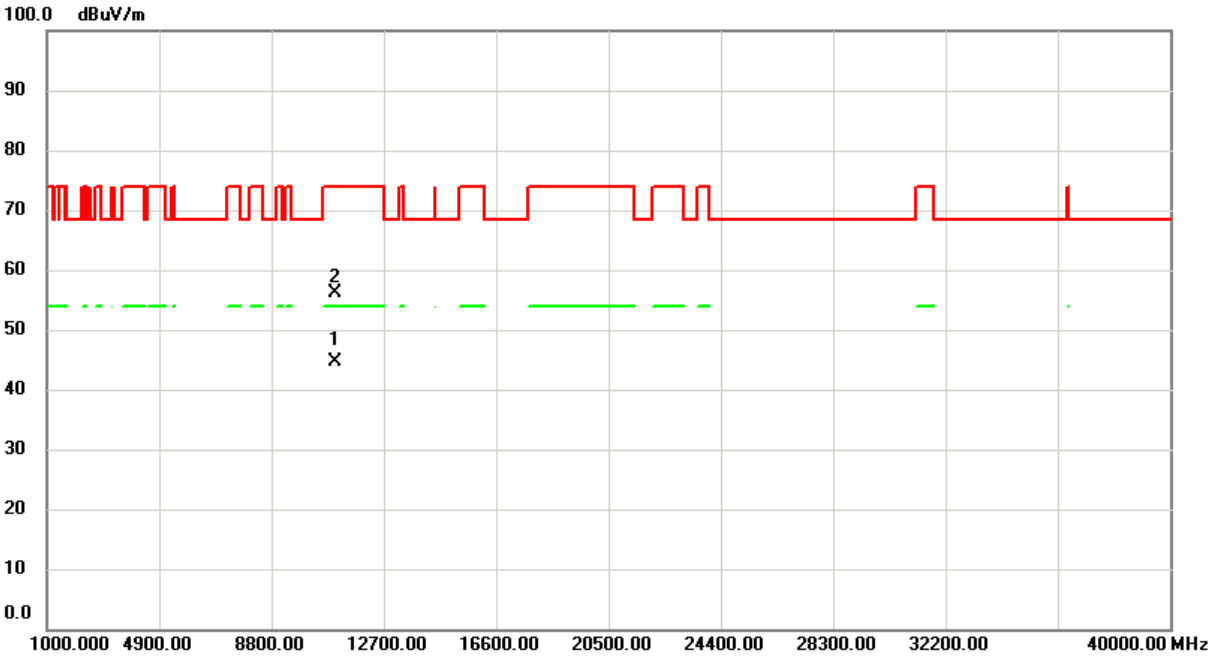


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11022.59	41.14	15.71	56.85	74.00	-17.15	peak
2	* 11022.85	28.69	15.71	44.40	54.00	-9.60	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.000	39.61	17.60	57.21	74.00	-16.79	peak	
2	5460.000	30.42	17.60	48.02	54.00	-5.98	AVG	
3	5470.000	38.39	17.62	56.01	68.30	-12.29	peak	
4	5470.000	30.85	17.62	48.47	68.30	-19.83	AVG	
5	* 5505.600	79.83	17.68	97.51	68.30	29.21	peak	Main wave signal cannot be determined
6	X 5508.200	68.21	17.67	85.88	68.30	17.58	AVG	Main wave signal cannot be determined

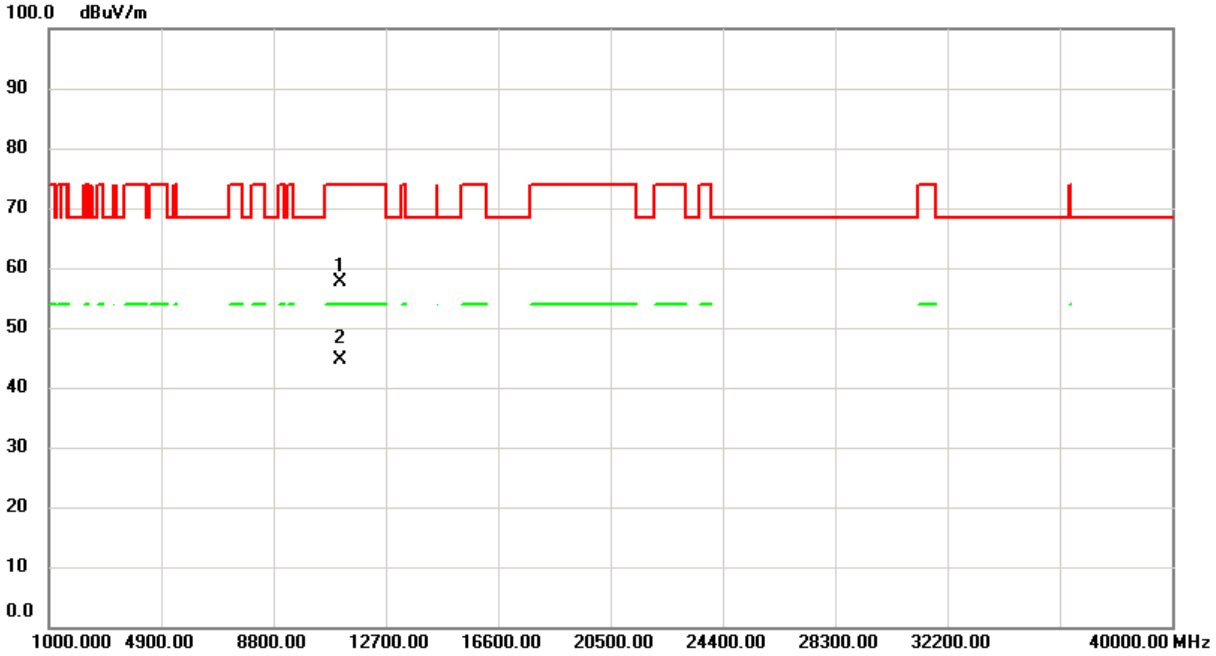


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11016.94	28.91	15.69	44.60	54.00	-9.40	AVG
2	11017.89	40.41	15.70	56.11	74.00	-17.89	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

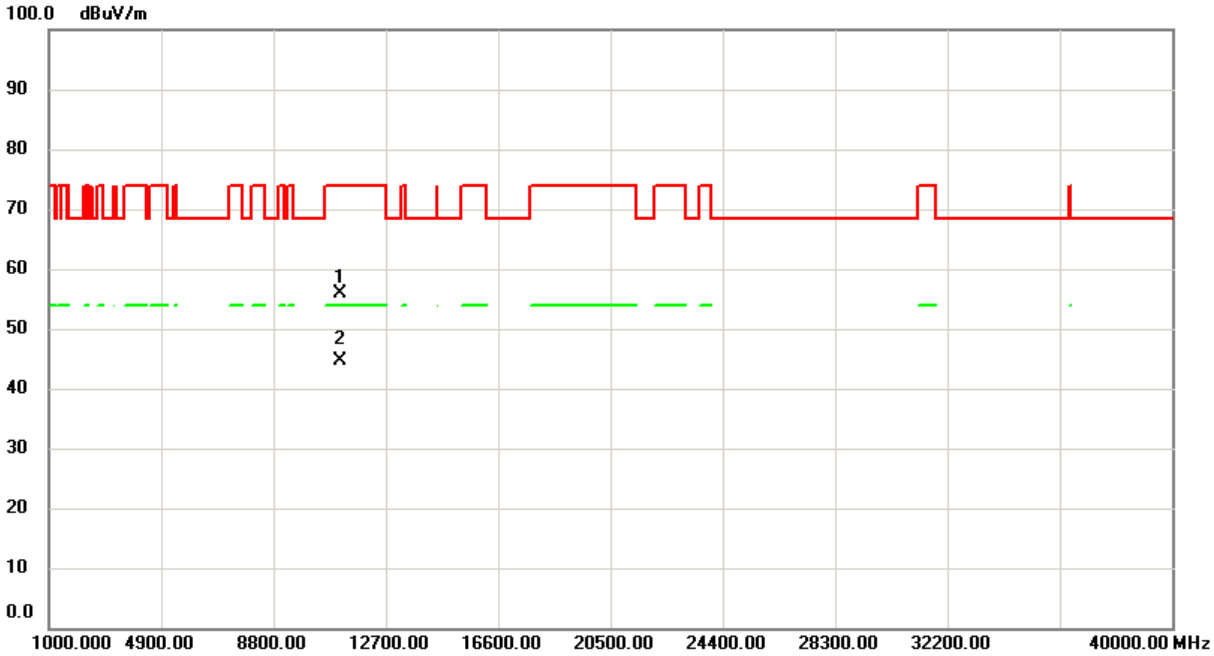
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5550MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11100.84	41.83	15.89	57.72	74.00	-16.28	peak
2	* 11102.36	28.75	15.89	44.64	54.00	-9.36	AVG

Antenna Polarization：Vertical

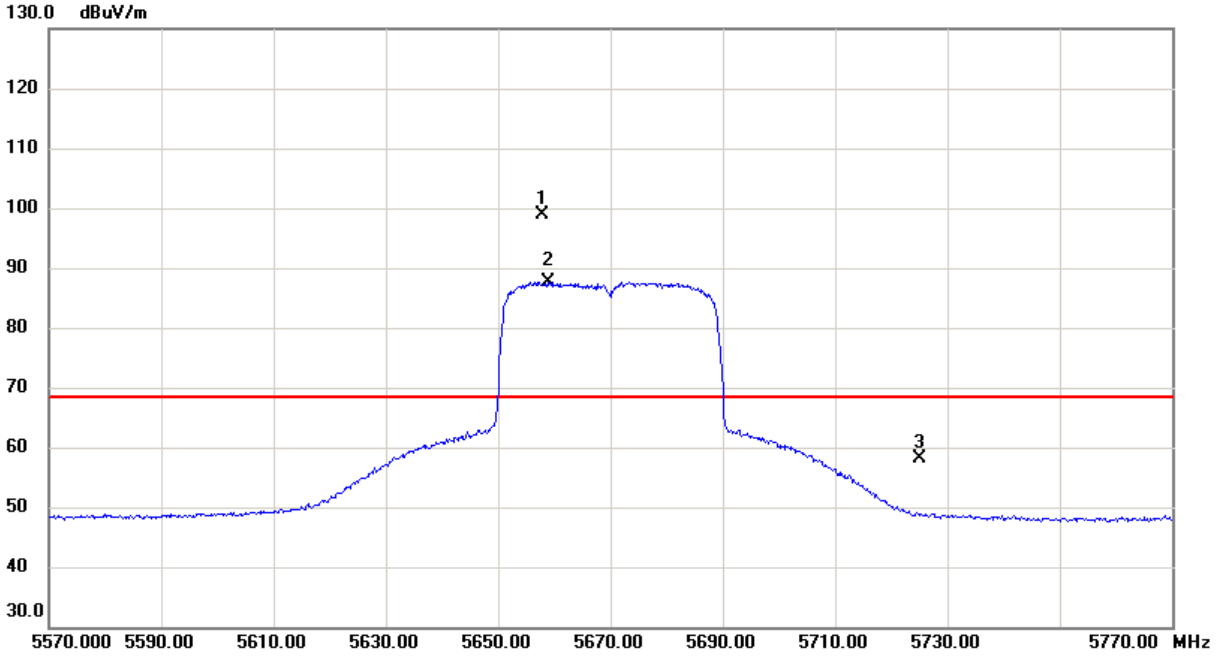


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11097.69	40.10	15.89	55.99	74.00	-18.01	peak
2	* 11101.63	28.83	15.89	44.72	54.00	-9.28	AVG

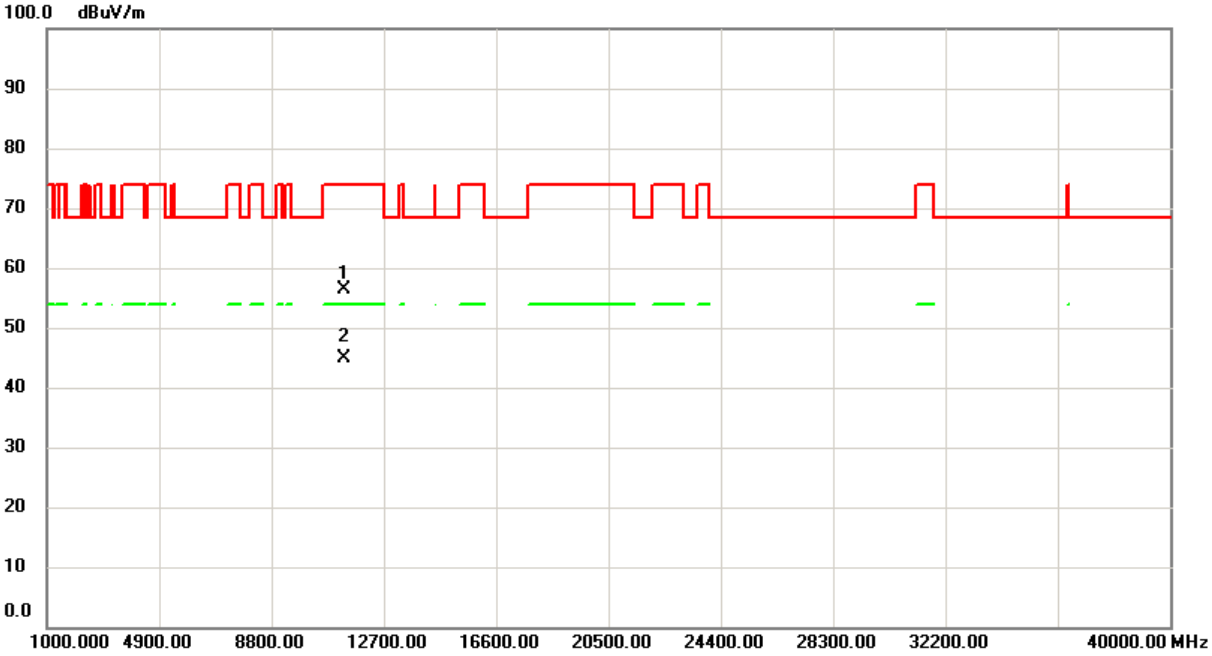
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5670MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

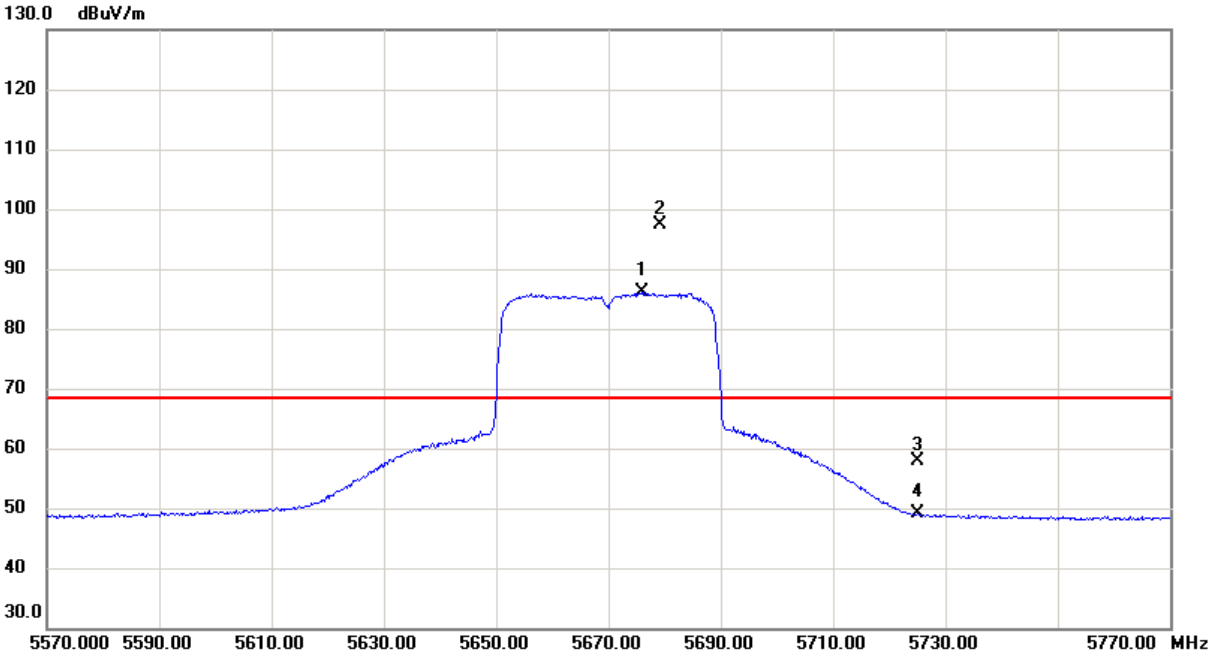


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5657.800	81.24	17.57	98.81	68.30	30.51	peak	Main wave signal cannot be determined
2	X	5658.800	70.11	17.57	87.68	68.30	19.38	AVG	Main wave signal cannot be determined
3		5725.000	40.42	17.60	58.02	68.30	-10.28	peak	
4		5725.000	30.22	17.60	47.82	68.30	-20.48	AVG	

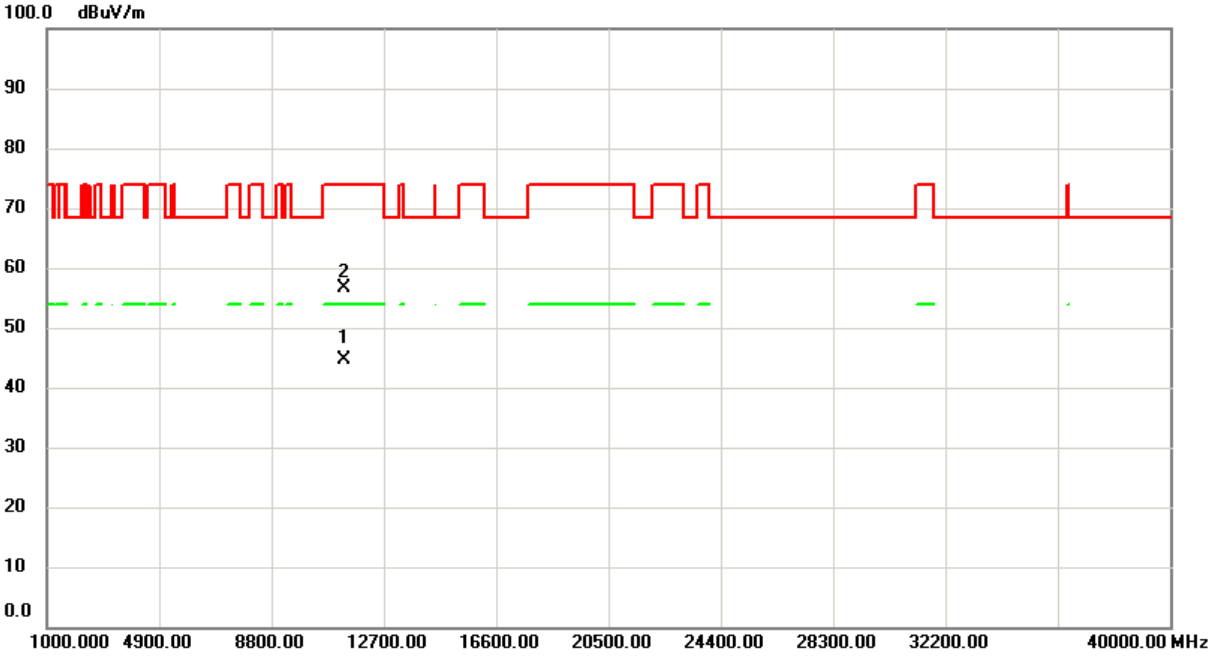


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11337.23	40.28	16.22	56.50	74.00	-17.50	peak
2	* 11338.19	28.74	16.23	44.97	54.00	-9.03	AVG

Antenna Polarization：Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5676.000	68.56	17.58	86.14	68.30	17.84	AVG	Main wave signal cannot be determined
2	*	5679.200	79.83	17.58	97.41	68.30	29.11	peak	Main wave signal cannot be determined
3		5725.000	40.32	17.60	57.92	68.30	-10.38	peak	
4		5725.000	31.55	17.60	49.15	68.30	-19.15	AVG	

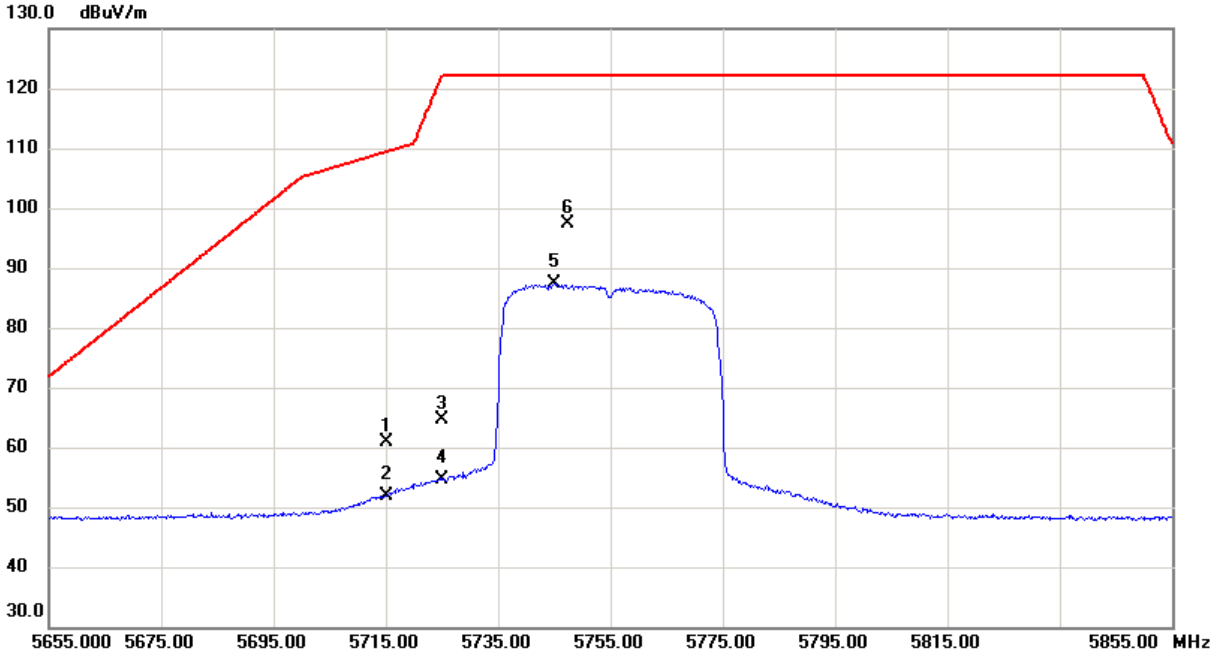


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11335.41	28.46	16.22	44.68	54.00	-9.32	AVG
2	11340.69	40.48	16.23	56.71	74.00	-17.29	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

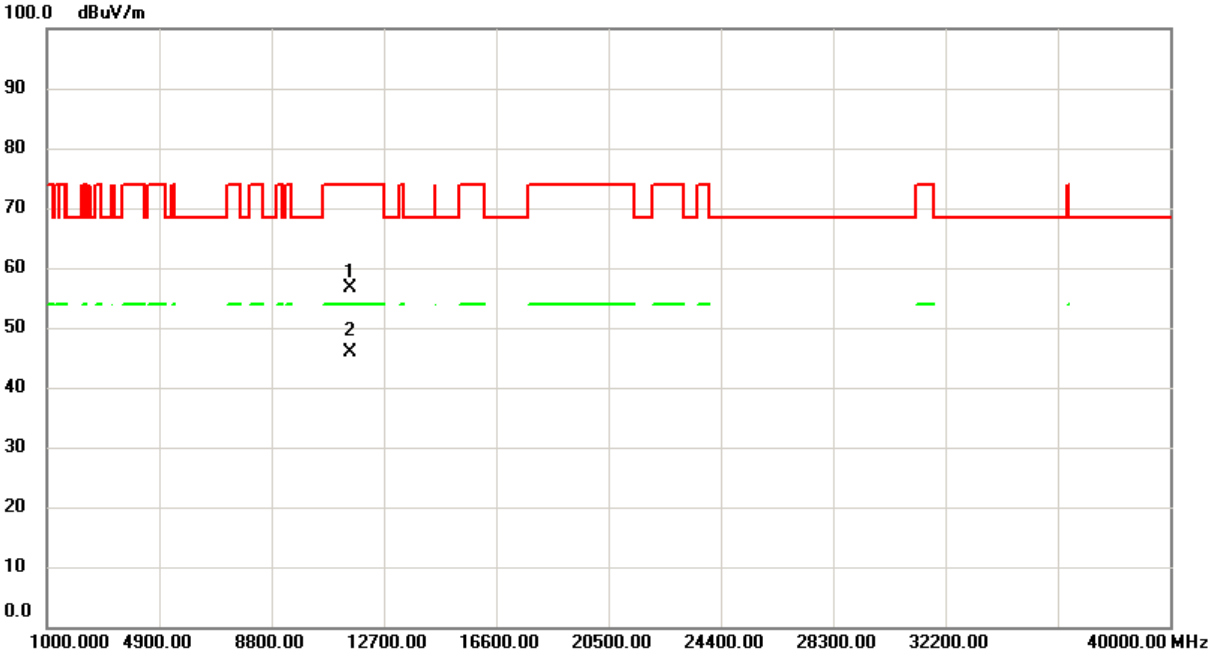
Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5755MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal



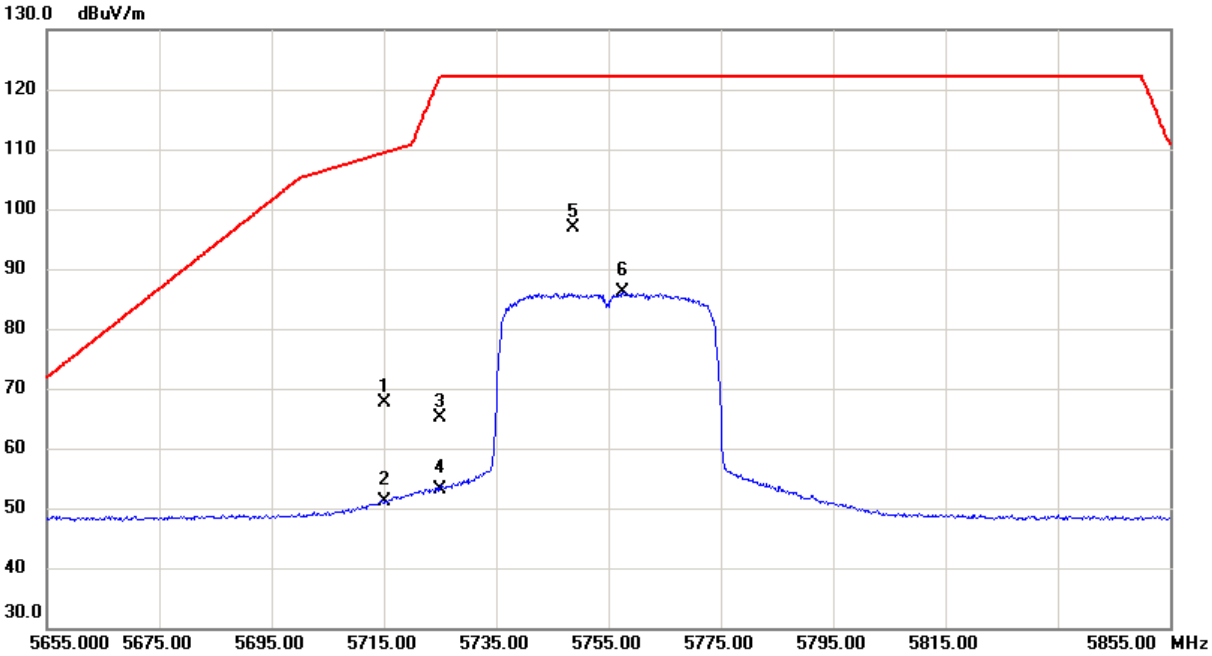
No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	43.37	17.60	60.97	109.4	-48.43	peak	
2	5715.000	34.32	17.60	51.92	109.4	-57.48	AVG	
3	5725.000	47.00	17.60	64.60	122.2	-57.60	peak	
4	5725.000	37.01	17.60	54.61	122.2	-67.59	AVG	
5	5745.000	69.76	17.61	87.37	122.2	-34.83	AVG	Main wave signal cannot be determined
6	* 5747.400	79.71	17.61	97.32	122.2	-24.88	peak	Main wave signal cannot be

determined

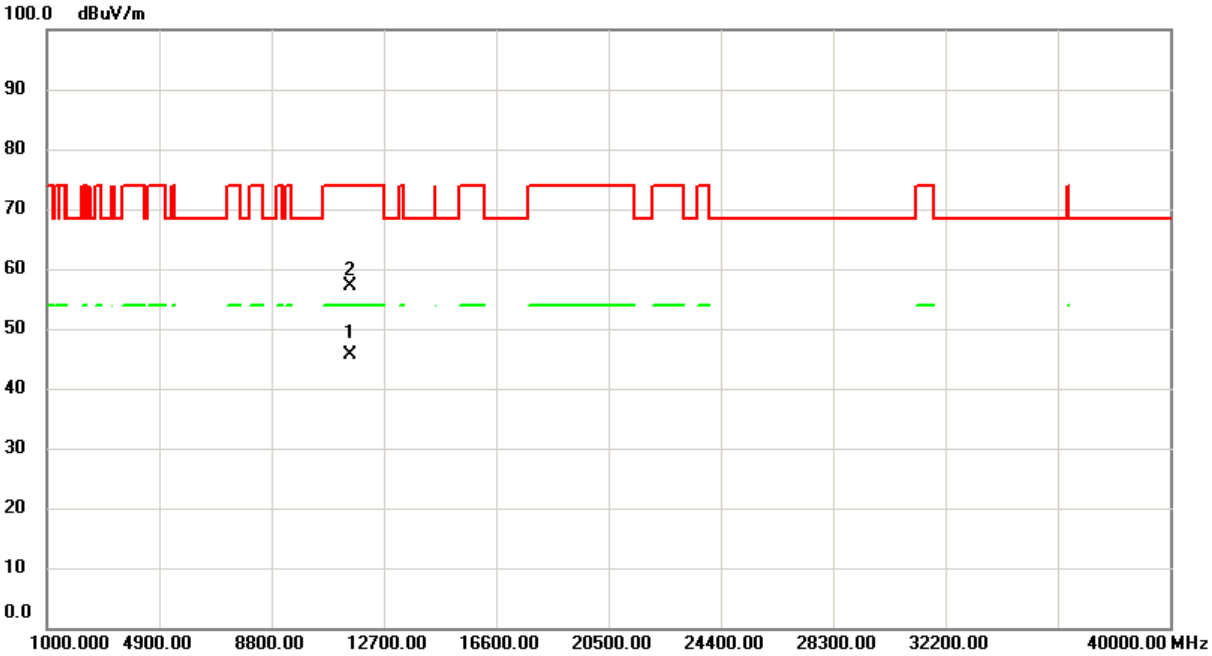


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	11505.39	40.05	16.51	56.56	74.00	-17.44	peak
2	* 11507.88	29.35	16.52	45.87	54.00	-8.13	AVG

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.000	50.03	17.60	67.63	109.4	-41.77	peak	
2	5715.000	33.50	17.60	51.10	109.4	-58.30	AVG	
3	5725.000	47.63	17.60	65.23	122.2	-56.97	peak	
4	5725.000	35.63	17.60	53.23	122.2	-68.97	AVG	
5	* 5748.800	79.23	17.61	96.84	122.2	-25.36	peak	Main wave signal cannot be determined
6	5757.600	68.37	17.64	86.01	122.2	-36.19	AVG	Main wave signal cannot be determined

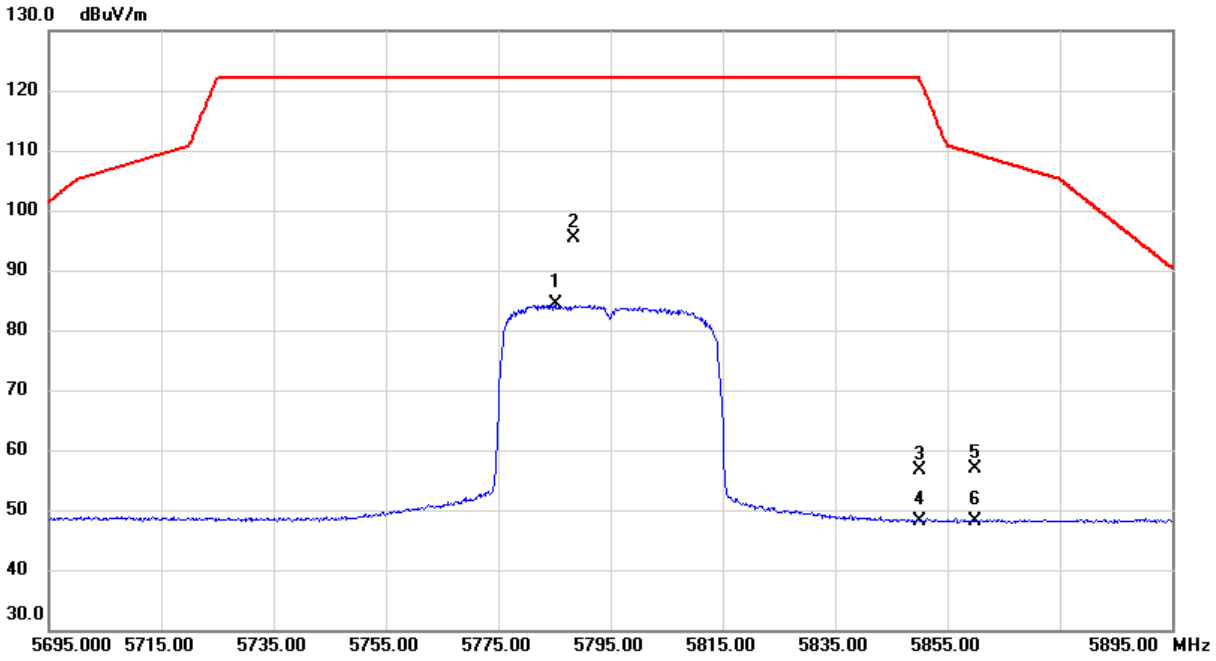


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit	Over	
	MHz	dBuV	dB	dBuV/m	dB	Detector Comment
1	* 11510.79	29.14	16.52	45.66	54.00	-8.34 AVG
2	11514.14	40.48	16.53	57.01	74.00	-16.99 peak

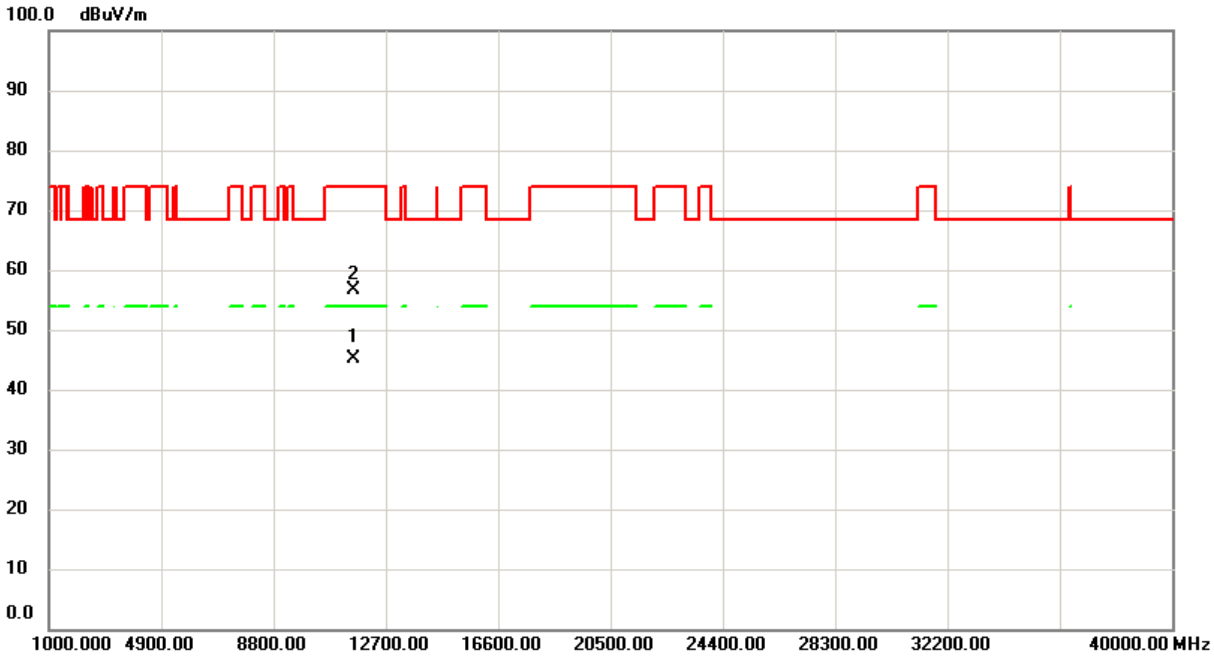
NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

Temperature:	27 °C	Humidity:	71 %RH
Frequency Range:	1 ~ 40 GHz	Tested Mode:	11AX 40
Detector Type:	PK. and AV.	L.O.:	5795MHz
IF Bandwidth:	1 MHz	Tested Date:	Jul. 23, 2023

Antenna Polarization：Horizontal

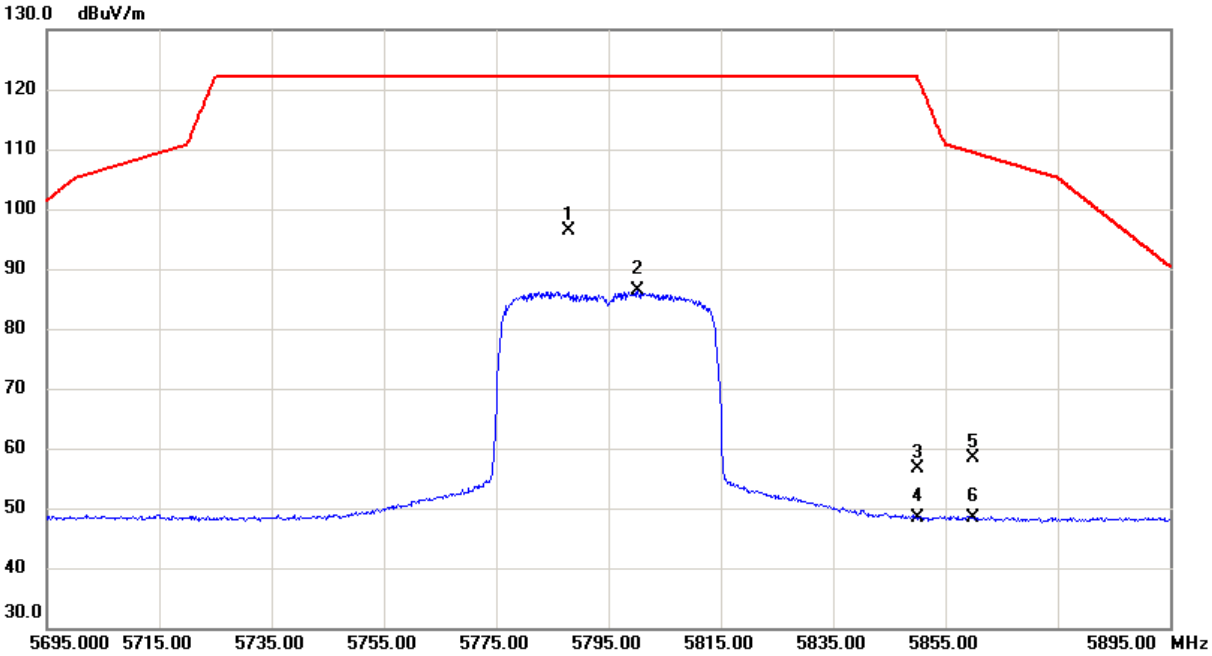


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5785.200	66.60	17.70	84.30	122.2	-37.90	AVG	Main wave signal cannot be determined
2	* 5788.400	77.72	17.71	95.43	122.2	-26.77	peak	Main wave signal cannot be determined
3	5850.000	38.98	17.76	56.74	122.2	-65.46	peak	
4	5850.000	30.36	17.76	48.12	122.2	-74.08	AVG	
5	5860.000	39.10	17.79	56.89	109.4	-52.51	peak	
6	5860.000	30.38	17.79	48.17	109.4	-61.23	AVG	

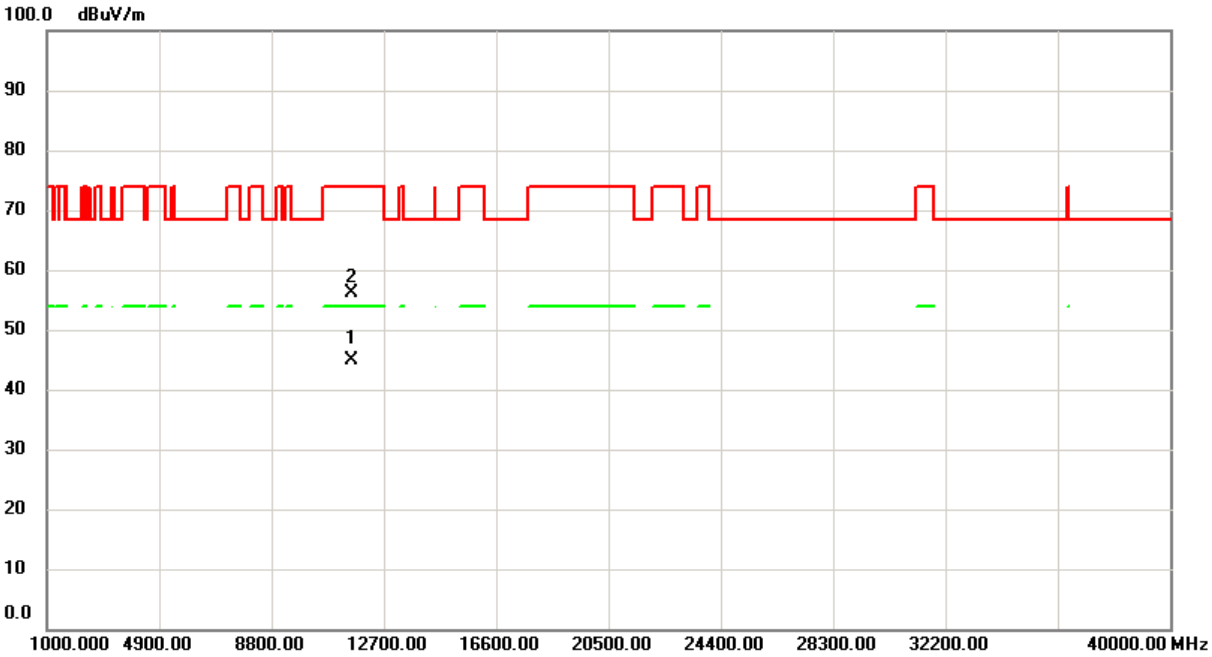


No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11587.61	28.22	16.79	45.01	54.00	-8.99	AVG
2	11589.52	39.94	16.79	56.73	74.00	-17.27	peak

Antenna Polarization：Vertical



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	* 5787.800	78.70	17.71	96.41	122.2	-25.79	peak	Main wave signal cannot be determined
2	5800.200	68.71	17.74	86.45	122.2	-35.75	AVG	Main wave signal cannot be determined
3	5850.000	38.90	17.76	56.66	122.2	-65.54	peak	
4	5850.000	30.60	17.76	48.36	122.2	-73.84	AVG	
5	5860.000	40.48	17.79	58.27	109.4	-51.13	peak	
6	5860.000	30.50	17.79	48.29	109.4	-61.11	AVG	



No.	Mk. Freq.	Reading Level	Correct Factor	Measure-ment Limit		Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	* 11586.86	28.22	16.78	45.00	54.00	-9.00	AVG
2	11591.85	39.33	16.79	56.12	74.00	-17.88	peak

NOTE:
1. Measurement uncertainty is 4.04 dB.
2. Emissiom Level = Reading Value + Ant. Factor + Correct Factor (incl.:Cable Loss and Pre-Amplifier Gain)
3. The field strength of other emission frequencies were very low against the limit.
4. (F):The field stregth of fundamental frequency.

4.3 PEAK CONDUCTED OUTPUT POWER TEST

4.3.1 LIMIT

FCC Part15, Subpart E Section 15.407(a)(1)(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.

FCC Part15, Subpart E Section 15.407(a)(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

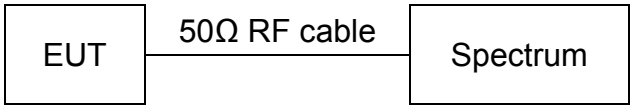
4.3.2 TEST EQUIPMENT

The following test equipment was used during the test：

Equipment/ Facilities	Specifications	Manufacturer	Model #/ Serial #	Due Date of Cal. & Cal. Center
R&S spectrum Analyzer	9KHz ~ 30GHz	R & S	100854 / E007	May 19, 2023 ETC
RF CABLE	1GHz~ 30GHz	HUBER SUHNER	SF102 / 2	Feb. 20, 2023 ETC

NOTE： The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.3 TEST SET-UP



4.3.4 TEST PROCEDURE

The EUT was operating in continuous transmission mode or could control its channel. Printed out the test result from the spectrum by hard copy function.

4.3.5 EUT OPERATING CONDITION

1. Set the EUT under continuous transmission condition.
2. The EUT was set to the highest available power level.

4.3.6 TEST RESULT

Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Modulation type	OFDM-64QAM 802.11a
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul, 22, 2023

Mode	Operation Band (s)	Frequency (MHz)	Total Power	Limit		Power setting
			Average	Average	Result	
			dBm	dBm		
802.11a	UNII-1	5180	16.01	23.98	PASS	11
		5200	16.36	23.98	PASS	11
		5240	**16.59**	23.98	PASS	11
	UNII-2A	5260	**17.46**	23.98	PASS	11
		5300	17.25	23.98	PASS	11
		5320	17.33	23.98	PASS	11
	UNII-2C	5500	18.18	23.98	PASS	11
		5580	**18.65**	23.98	PASS	11
		5700	18.62	23.98	PASS	11
	UNII-3	5745	**15.73**	30.00	PASS	11
		5785	14.96	30.00	PASS	11
		5825	13.92	30.00	PASS	11

Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Modulation type	OFDM-256QAM 802.11AC-20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul, 22, 2023

Mode	Operation Band (s)	Frequency (MHz)	Total Power	Limit		Power setting
			Average	Average	Result	
			dBm	dBm		
802.11ac20	UNII-1	5180	15.62	23.98	PASS	11
		5200	15.42	23.98	PASS	11
		5240	**16.01**	23.98	PASS	11
	UNII-2A	5260	16.10	23.98	PASS	11
		5300	16.15	23.98	PASS	11
		5320	**16.25**	23.98	PASS	11
	UNII-2C	5500	**18.55**	23.98	PASS	11
		5580	18.31	23.98	PASS	11
		5700	17.05	23.98	PASS	11
	UNII-3	5745	**15.20**	30.00	PASS	11
		5785	14.09	30.00	PASS	11
		5825	12.84	30.00	PASS	11

Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Modulation type	OFDM-256QAM 802.11AC-40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul, 22, 2023

Mode	Operation Band (s)	Frequency (MHz)	Total Power	Limit		Power setting
			Average	Average	Result	
			dBm	dBm		
802.11ac40	UNII-1	5190	15.67	23.98	PASS	11
		5230	**16.15**	23.98	PASS	11
	UNII-2A	5270	**16.44**	23.98	PASS	11
		5310	12.55	23.98	PASS	10
	UNII-2C	5510	14.35	23.98	PASS	10
		5550	**18.34**	23.98	PASS	11
		5670	17.54	23.98	PASS	11
	UNII-3	5755	**14.35**	30.00	PASS	11
		5795	13.65	30.00	PASS	11

Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Modulation type	OFDM-1024QAM 802.11AX-20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul, 22, 2023

Mode	Operation Band (s)	Frequency (MHz)	Total Power	Limit		Power setting
			Average	Average	Result	
			dBm	dBm		
802.11ax20	UNII-1	5180	15.20	23.98	PASS	11
		5200	**15.57**	23.98	PASS	11
		5240	15.49	23.98	PASS	11
	UNII-2A	5260	15.84	23.98	PASS	11
		5300	15.57	23.98	PASS	11
		5320	**15.96**	23.98	PASS	11
	UNII-2C	5500	18.13	23.98	PASS	11
		5580	**18.61**	23.98	PASS	11
		5700	17.14	23.98	PASS	11
	UNII-3	5745	**15.15**	30.00	PASS	11
		5785	14.14	30.00	PASS	11
		5825	12.75	30.00	PASS	11

Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Modulation type	OFDM-1024QAM 802.11AX-40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul, 22, 2023

Mode	Operation Band (s)	Frequency (MHz)	Total Power	Limit		Power setting
			Average	Average	Result	
			dBm	dBm		
802.11ax40	UNII-1	5190	15.53	23.98	PASS	11
		5230	**16.12**	23.98	PASS	11
	UNII-2A	5270	**16.45**	23.98	PASS	11
		5310	12.53	23.98	PASS	10
	UNII-2C	5510	14.72	23.98	PASS	10
		5550	**18.47**	23.98	PASS	11
		5670	17.16	23.98	PASS	11
	UNII-3	5755	**14.83**	30.00	PASS	11
		5795	13.62	30.00	PASS	11

4.3.7 26dB occupied bandwidth

Conducted

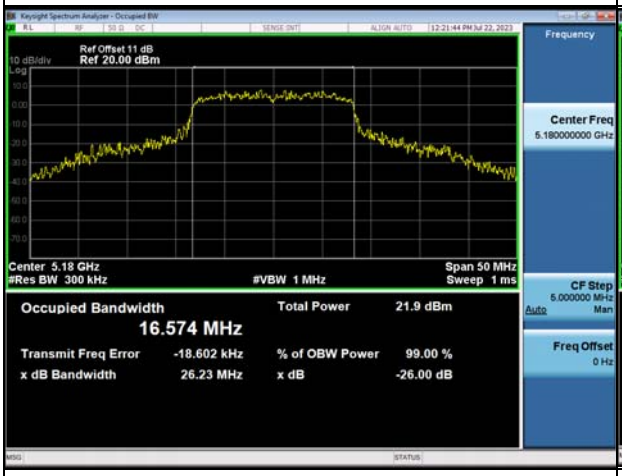
Temperature:	26 °C	Humidity:	68 %RH
Detector:	Peak	Modulation type:	OFDM 802.11A
RBW:	1 MHz	VBW:	3 MHz
Tested By:	Jimmy Tseng	Tested Date:	Jul, 22, 2023

Test Mode	Data date/ MCS0	Freequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
802.11 A	6 Mbps	5180	16.574	26.23
		5200	16.522	26.62
		5240	16.432	22.43
		5260	16.494	22.02
		5300	16.483	22.37
		5320	16.452	21.3
		5500	17.374	32.98
		5580	17.16	33.9
		5700	16.805	26.63
		5745	16.363	13.9 / 6DB
		5785	16.355	14.28 / 6DB
		5825	16.327	14.08 / 6DB
802.11 AC VHT 20	MCS0	5180	17.522	22.24
		5200	17.571	22.85
		5240	17.609	21.86
		5260	17.607	21.52
		5300	17.586	21.56
		5320	17.522	23.36
		5500	17.881	30.13
		5580	18.042	33
		5700	17.372	31.37
		5745	16.363	13.9 / 6DB
		5785	17.5	13.43/ 6DB
		5825	17.486	15.12 / 6DB

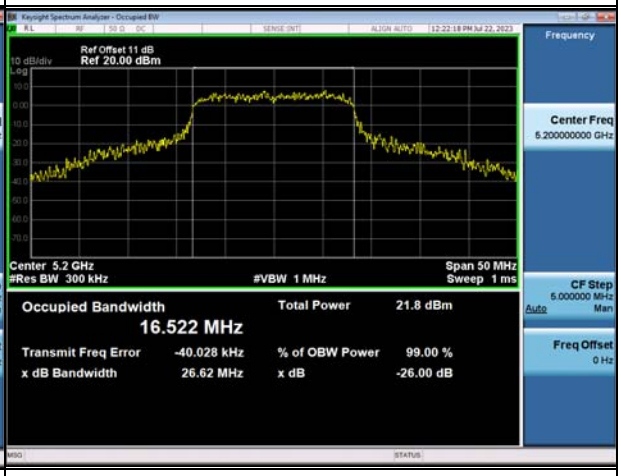
Test Mode	Data date/ MCS0	Freequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
802.11 AC VHT 40	MCS0	5190	35.988	51.75
		5230	36.095	41.74
		5270	36.151	40.51
		5310	36.119	42.35
		5510	36.44	74.5
		5550	36.622	72.22
		5670	36.416	64.58
		5755	36.033	35.27 / 6DB
		5795	36.03	33.21 / 6DB
802.11 AX HE 20	MCS0	5180	18.795	22.08
		5200	18.744	20.24
		5240	18.703	22.03
		5260	18.711	20.32
		5300	18.738	20.65
		5320	18.718	20.61
		5500	18.942	32.14
		5580	18.957	30.27
		5700	18.874	28.47
		5745	18.754	13.54 / 6DB
		5785	18.723	13.76/ 6DB
		5825	18.627	13.11 / 6DB
802.11 AX HE 40	MCS0	5190	37.71	40.78
		5230	37.632	40.35
		5270	37.742	40.51
		5310	37.644	41.48
		5510	37.908	64.57
		5550	37.805	64.58
		5670	37.92	62.5
		5755	37.556	32.29/ 6DB
		5795	37.445	35.19 / 6DB

802.11a 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

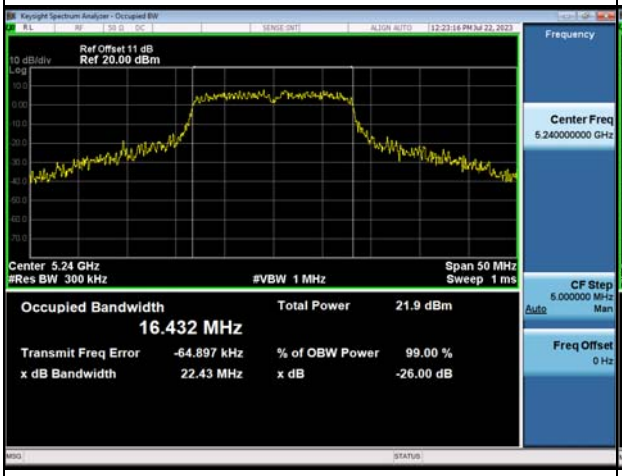
5180(MHz)



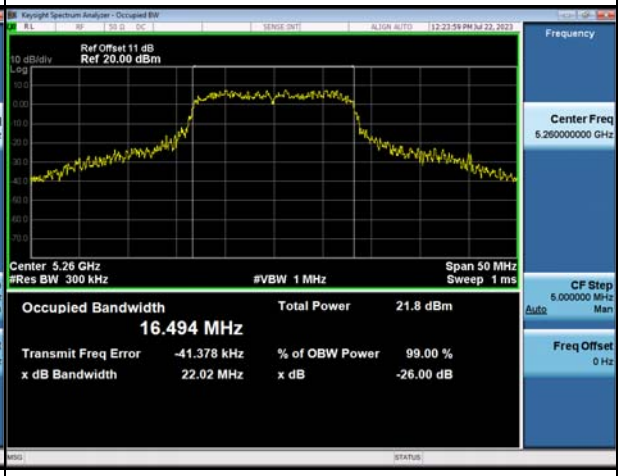
5200(MHz)



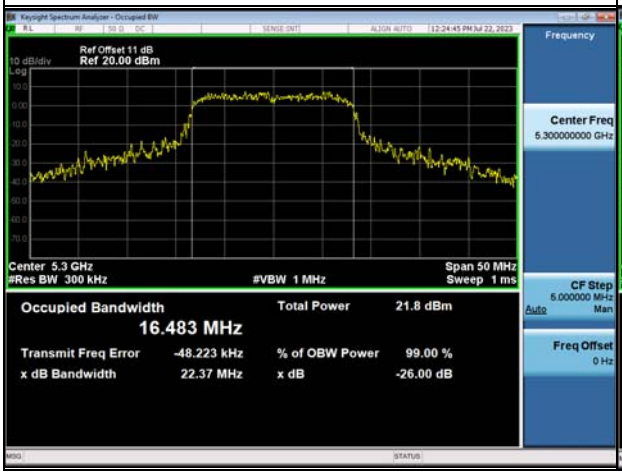
5240(MHz)



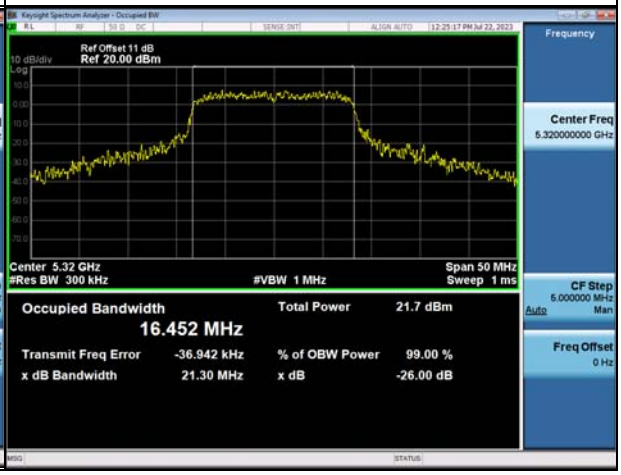
5260(MHz)



5300(MHz)

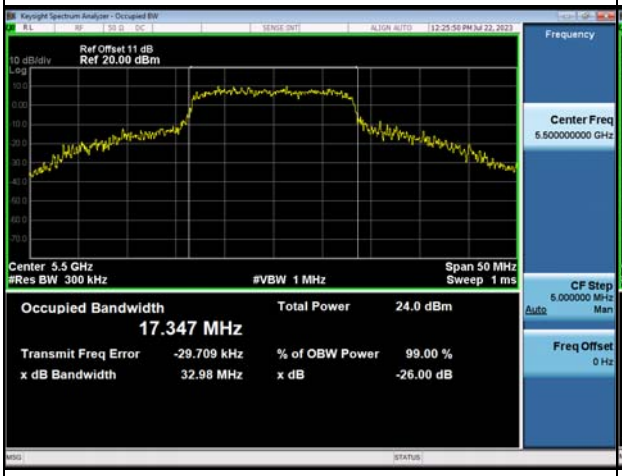


5320(MHz)

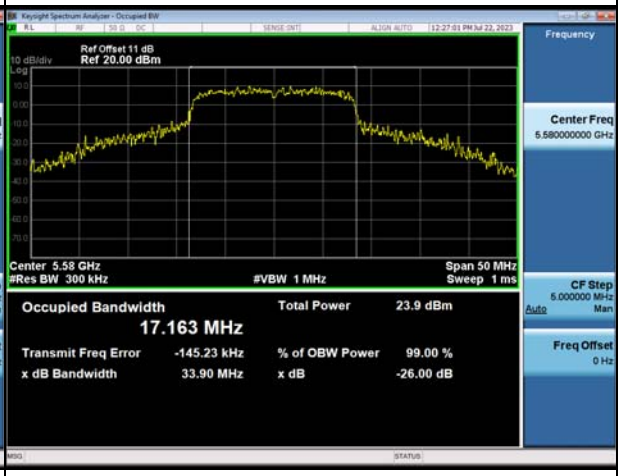


802.11a 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

5500(MHz)

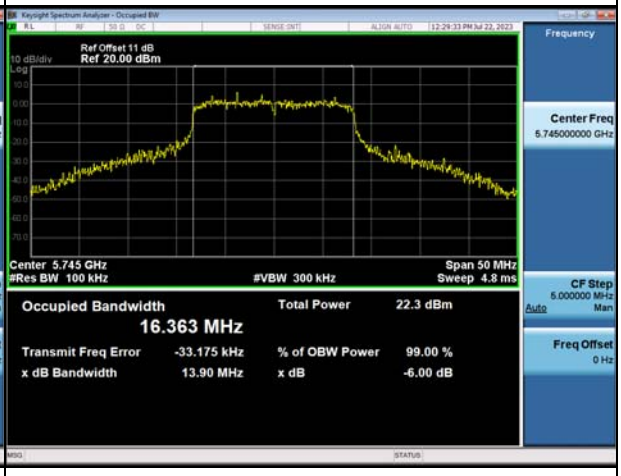


5580(MHz)

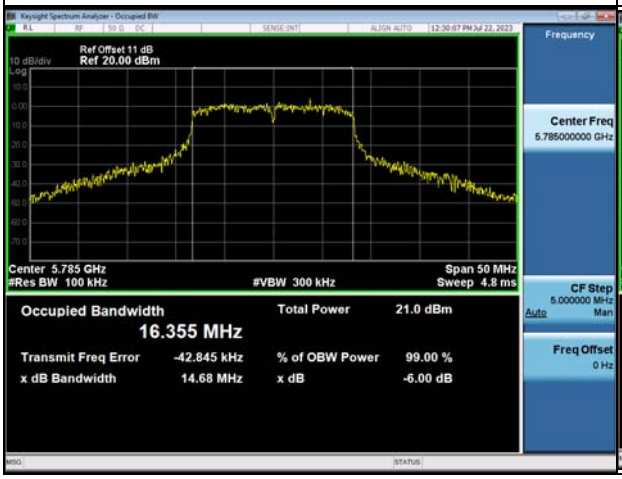


5700(MHz)

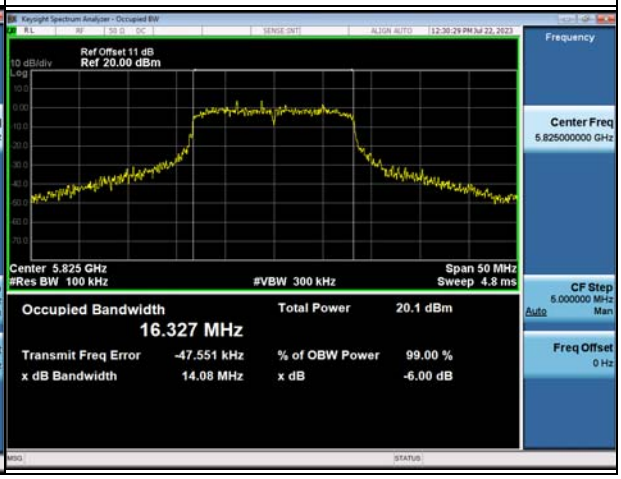
5745(MHz)



5785(MHz)

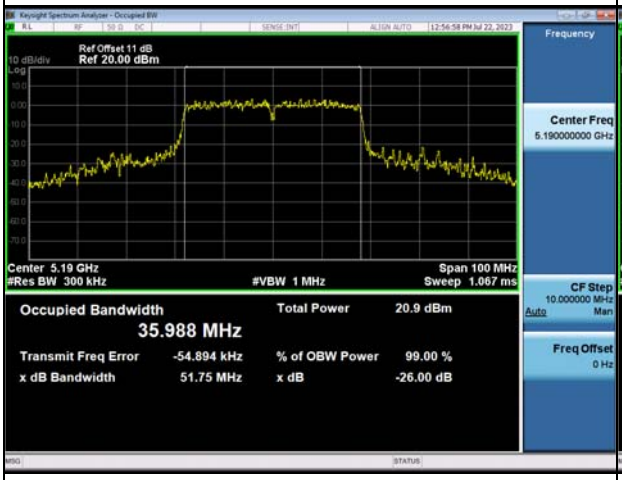


5825(MHz)

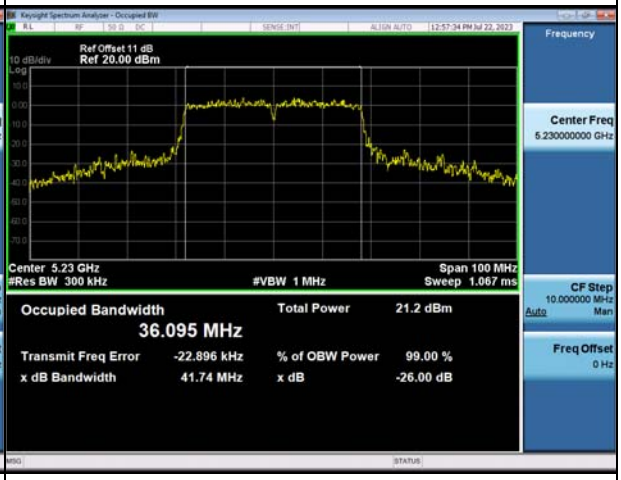


802.11AC VHT 40 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

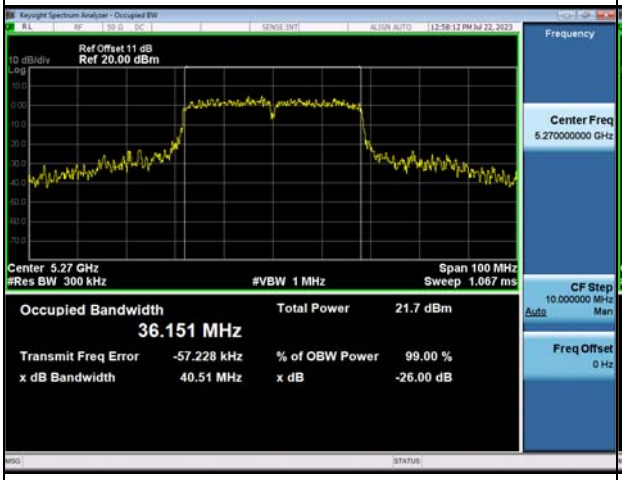
5190(MHz)



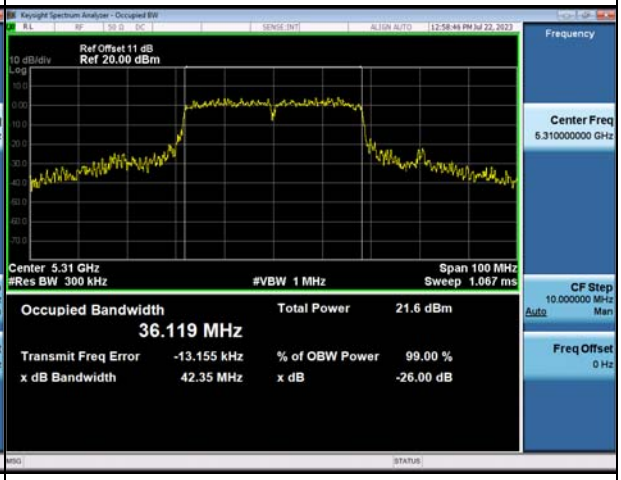
5230(MHz)



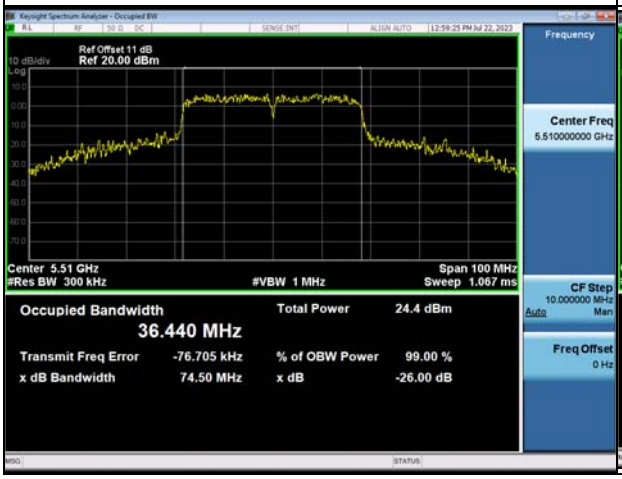
5270(MHz)



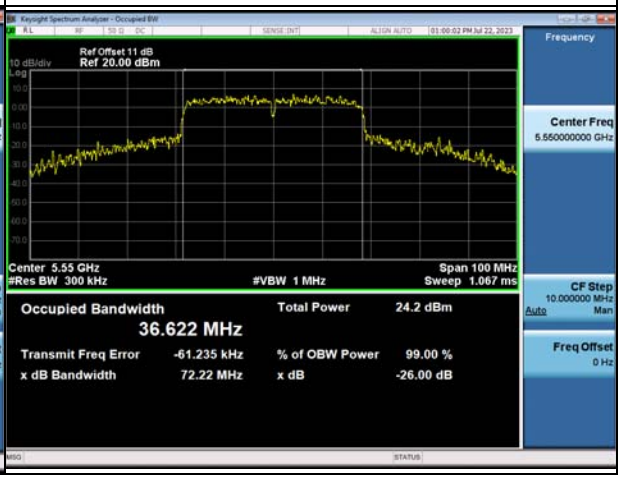
5310(MHz)



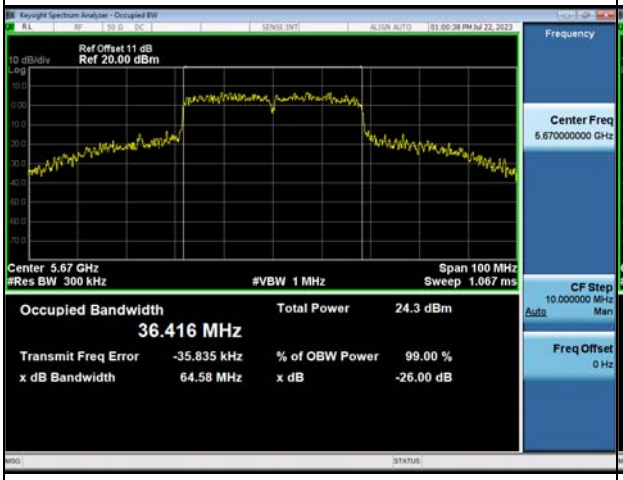
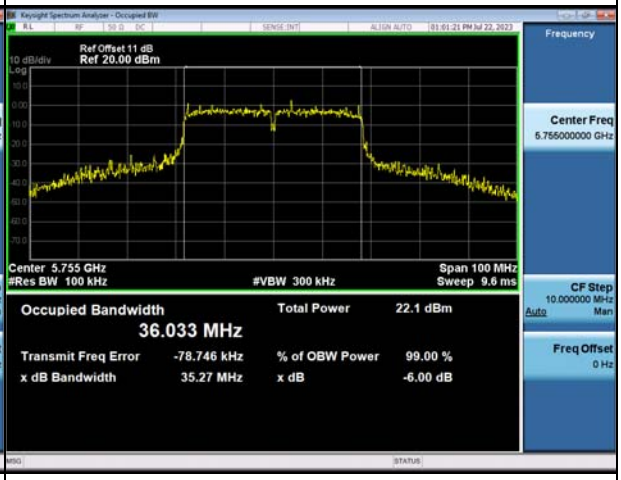
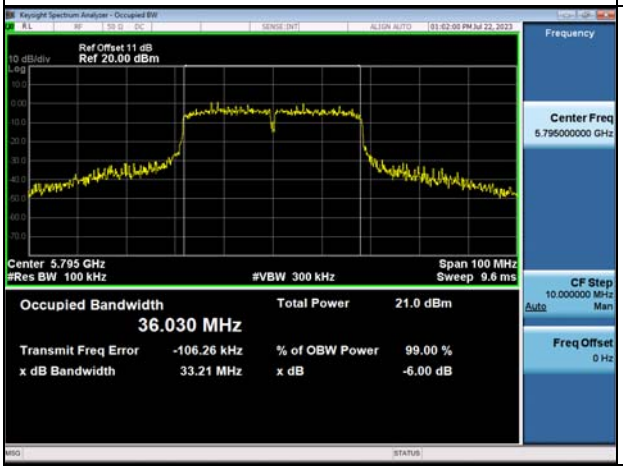
5510(MHz)



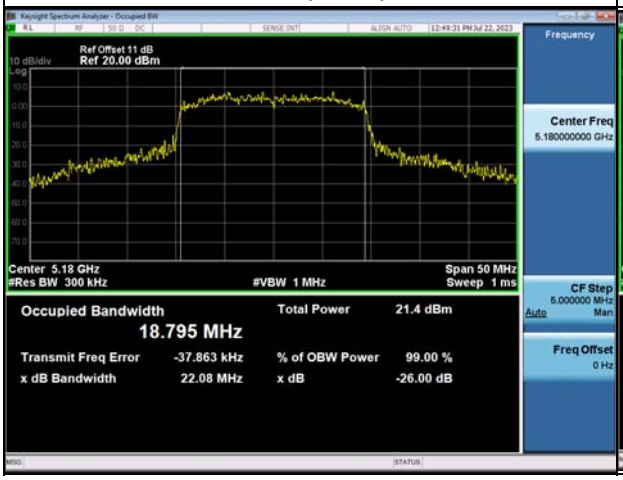
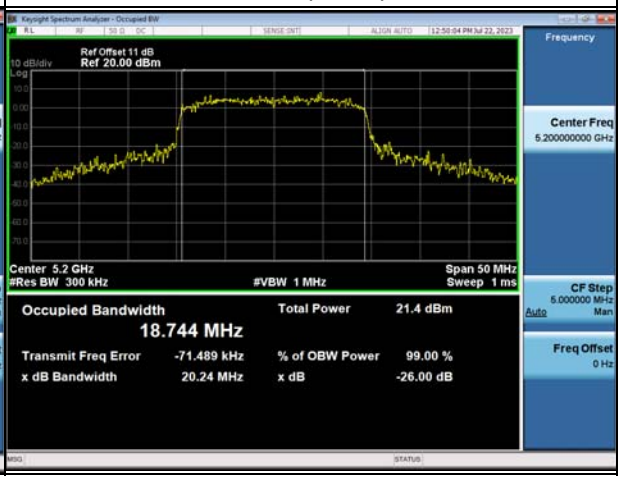
5550(MHz)



802.11AC VHT 40 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

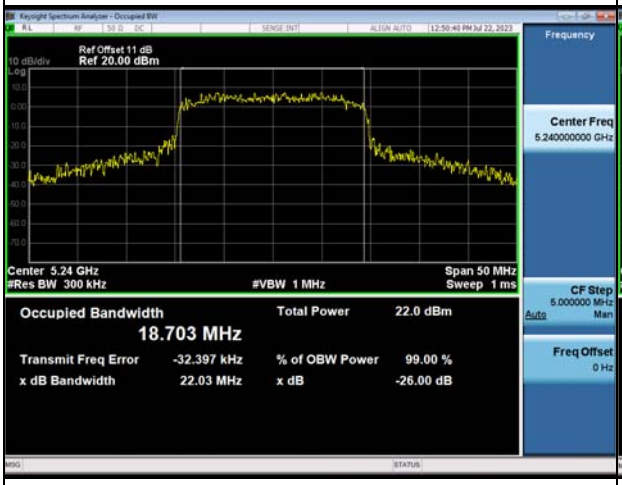
5670(MHz)	5755(MHz)
	
5795(MHz)	---
	---

802.11AX HE20 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

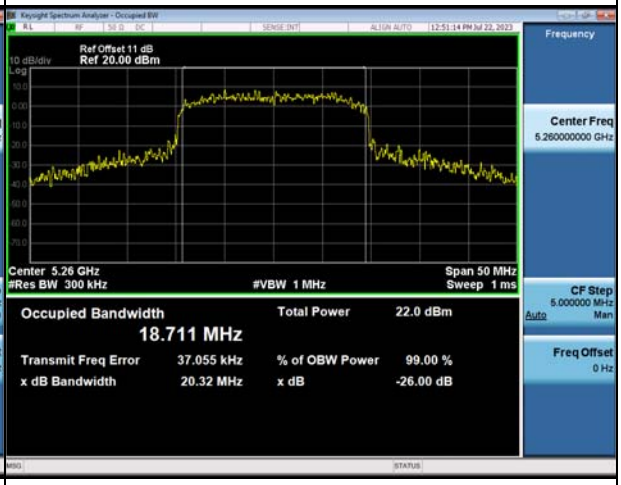
5180(MHz)	5200(MHz)
	

802.11AX HE20 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

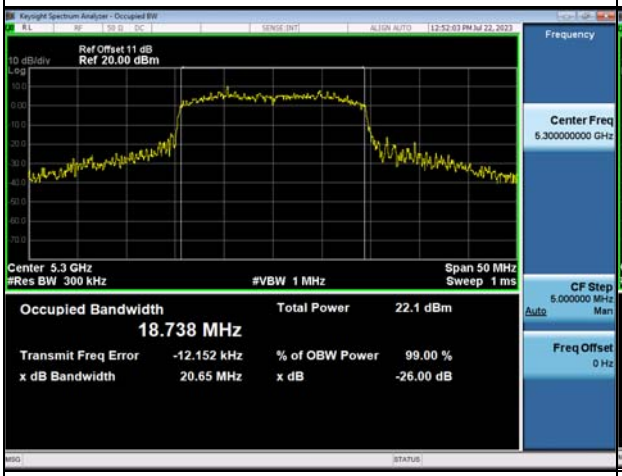
5240(MHz)



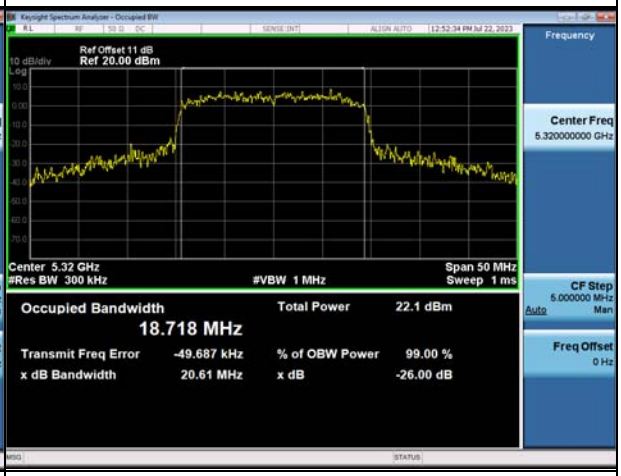
5260(MHz)



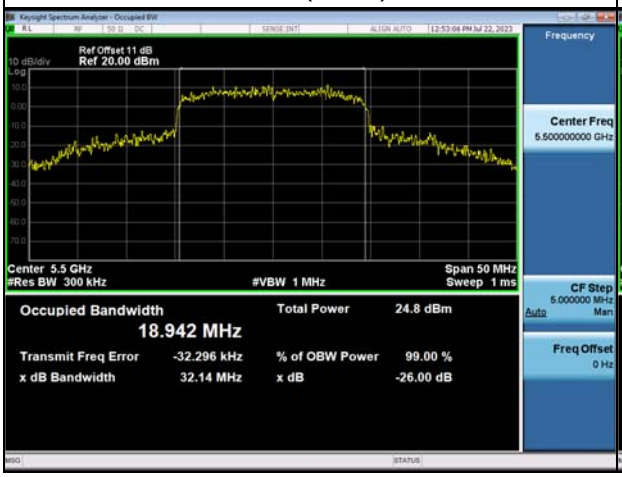
5300(MHz)



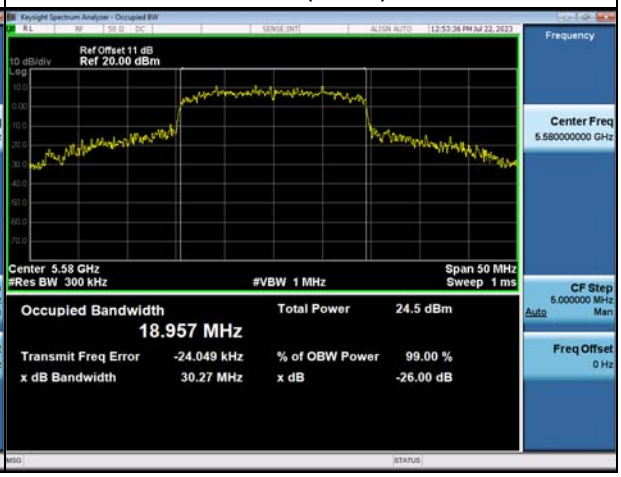
5320(MHz)



5500(MHz)

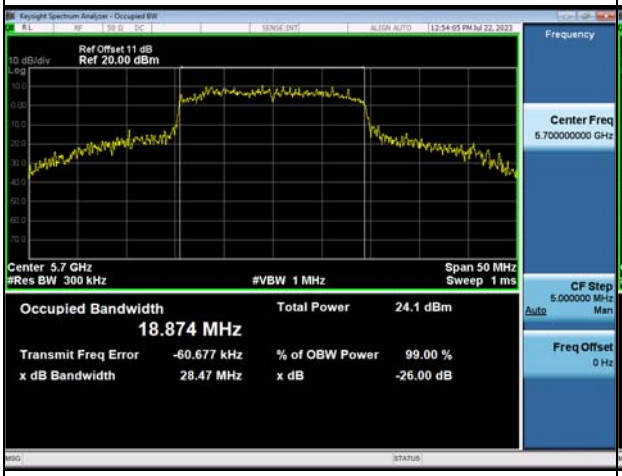


5580(MHz)

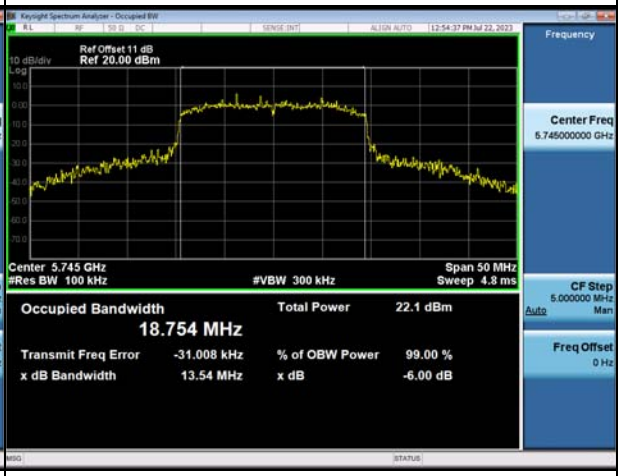


802.11AX HE20 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

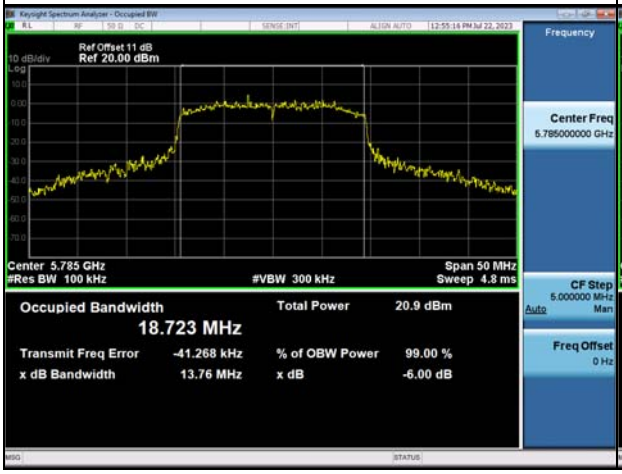
5700(MHz)



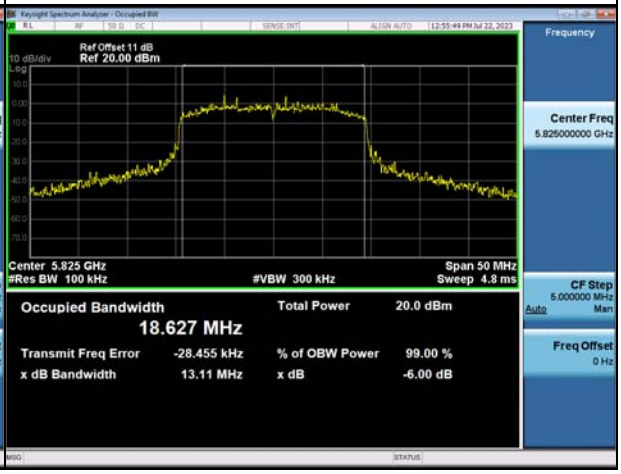
5745(MHz)



5785(MHz)

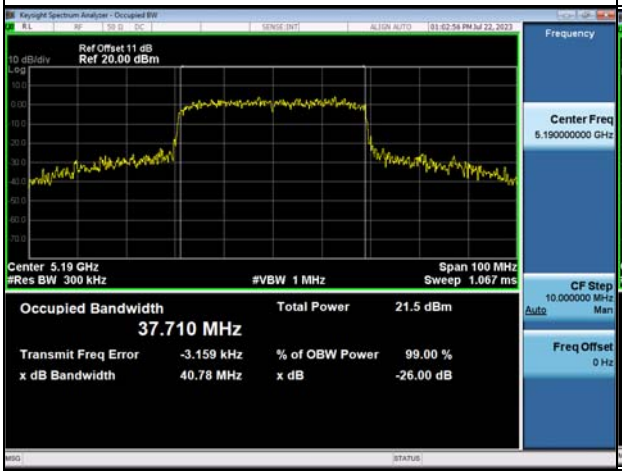


5825(MHz)

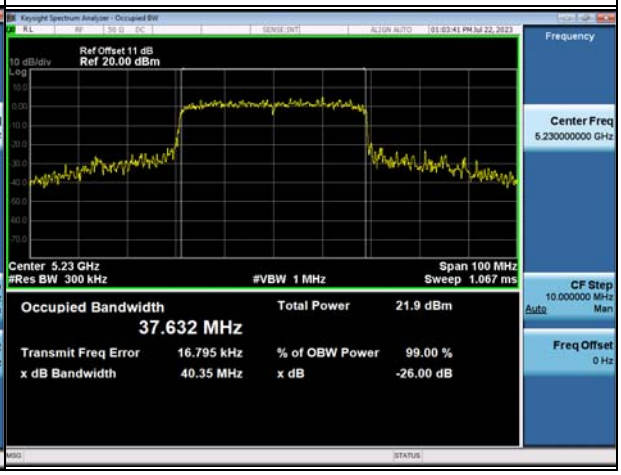


802.11AX HE 40 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

5190(MHz)

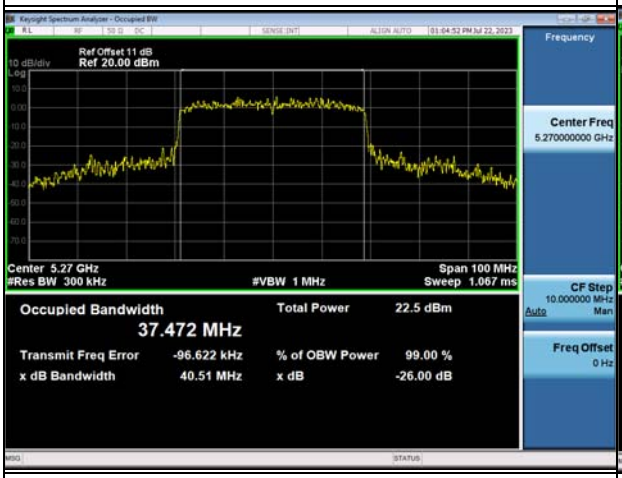


5230(MHz)

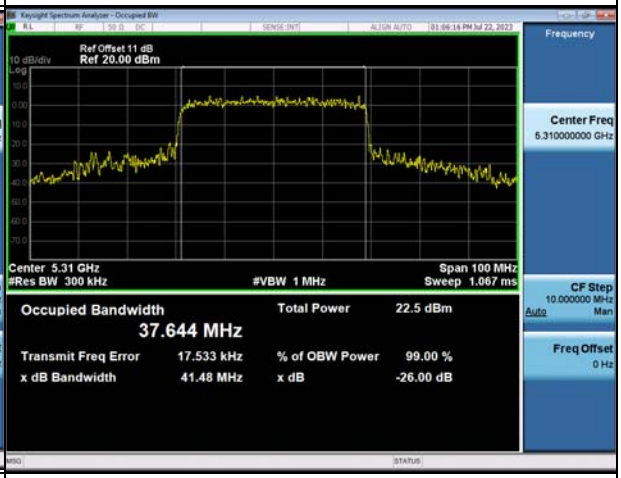


802.11AX HE 40 99% Bandwidth(MHz) & 26db Bandwidth(MHz)

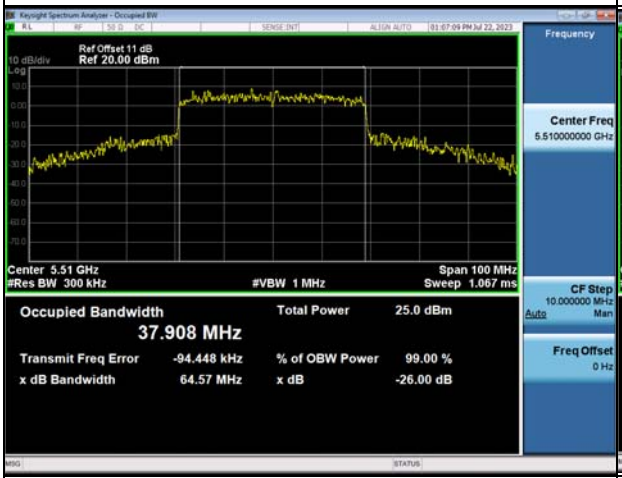
5270(MHz)



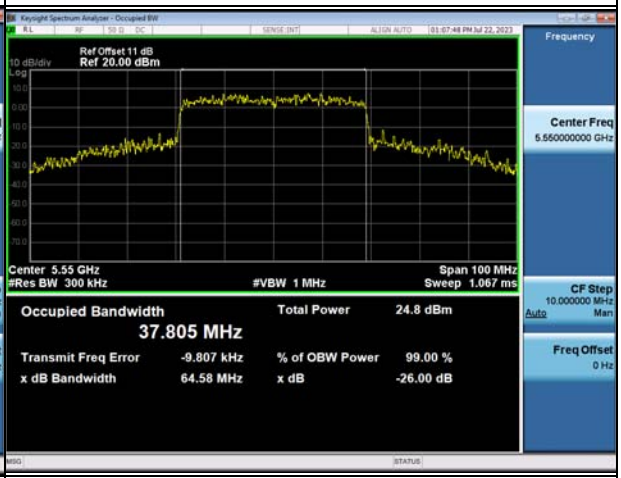
5310(MHz)



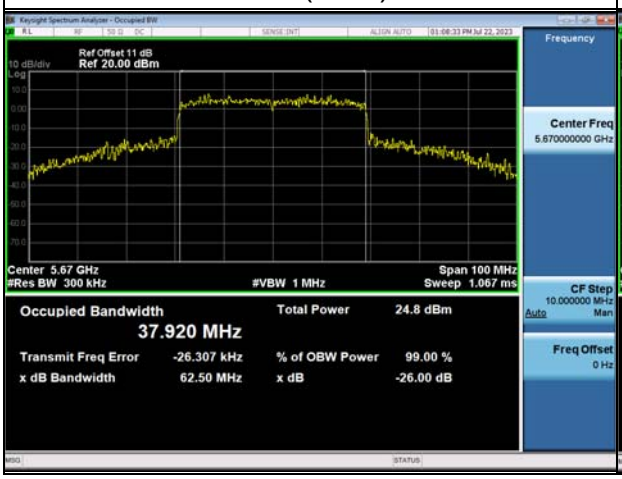
5510(MHz)



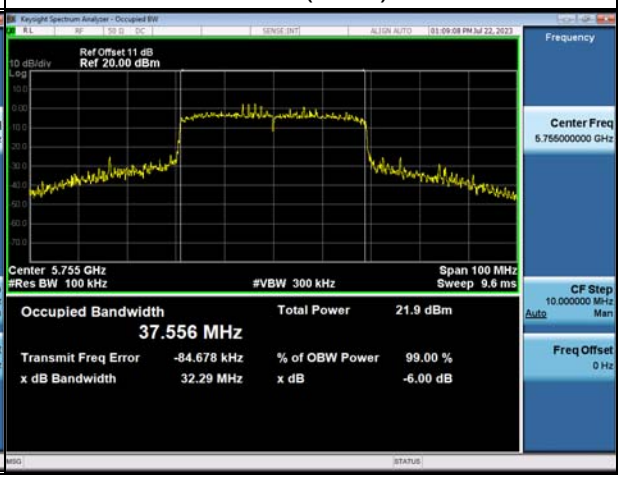
5550(MHz)

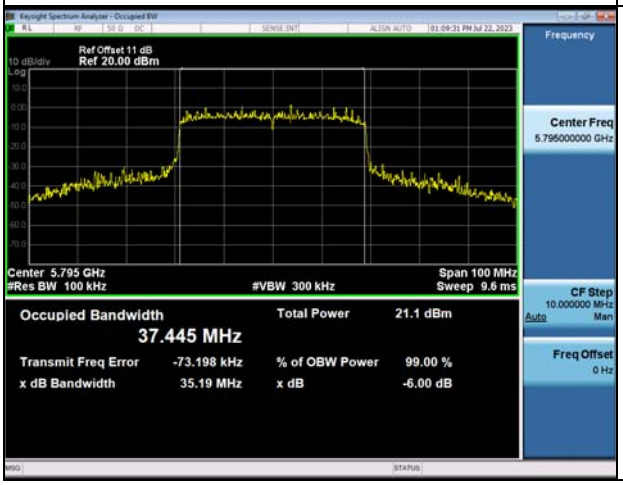


5670(MHz)



5755(MHz)



802.11AX HE 40 99% Bandwidth(MHz) & 26db Bandwidth(MHz)	
5795(MHz)	---
	---

4.4 POWER SPECTRAL DENSITY TEST

4.4.1 LIMIT

FCC Part15, Subpart E Section 15.407(a)(1)(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

FCC Part15, Subpart E Section 15.407(a)(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

FREQUENCY RANGE (MHz)	Limit
5150 – 5250 (For Client Device operation)	11 dBm / 1MHz
5250 – 5350 5470 -5725 (For Client Device operation)	11 dBm / 1MHz
5725 - 5850 (For Client Device operation)	30 dBm / 500kHz

If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

Note: 10log(500kHz/300kHz) = 2.22

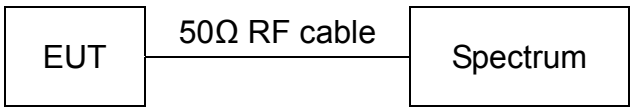
4.4.2 TEST EQUIPMENT

The following test equipment was used during the radiated emission test:

Equipment/ Facilities	Specifications	Manufacturer	Model #/ Serial #	Due Date of Cal. & Cal. Center
R&S spectrum Analyzer	9KHz ~ 30GHz	R & S	100854 / E007	May 19, 2023 ETC
RF CABLE	1GHz~ 30GHz	HUBER SUHNER	SF102 / 2	Feb. 20, 2023 ETC

NOTE: The calibration interval of the above test equipment is one year and the calibrations are traceable to NML/ROC and NIST/USA.

4.4.3 TEST SET-UP



4.4.4 TEST PROCEDURE

The EUT was operating in transmitter mode and could be controlled its channel.
Printed out the test result from the spectrum by hard copy function.

4.4.5 EUT OPERATING CONDITION

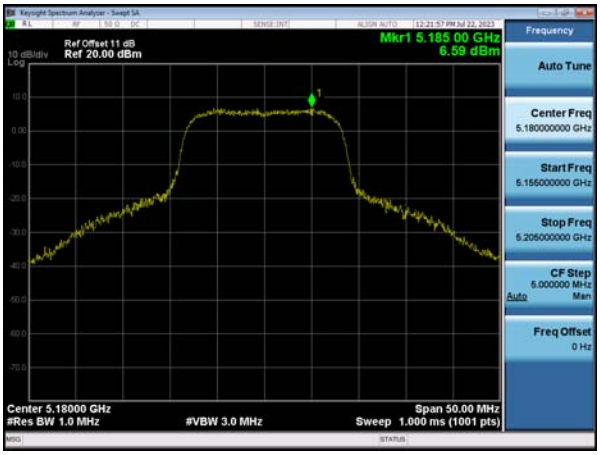
1. Set the EUT under continuous transmission condition.
2. The EUT was set to the highest available power level.

4.4.6 TEST RESULT

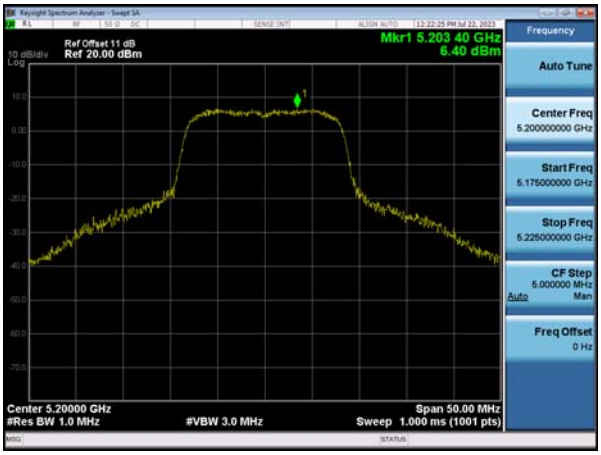
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11A
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH036	5180	6.59	11
CH040	5200	6.4	11
CH048	5240	6.45	11

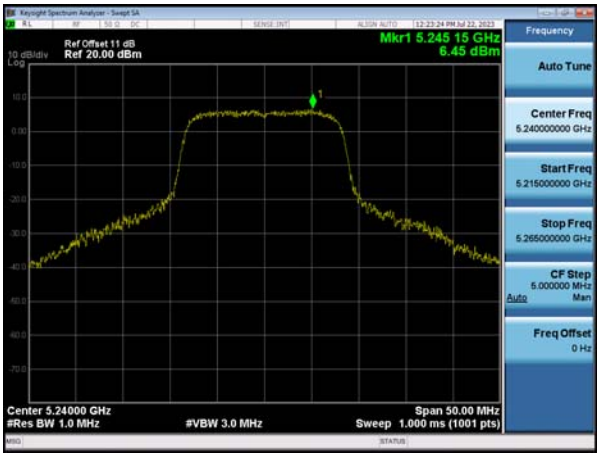
CH036：



CH040：



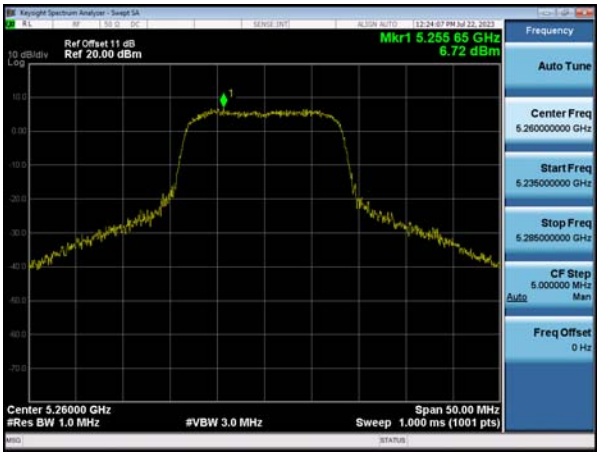
CH048：



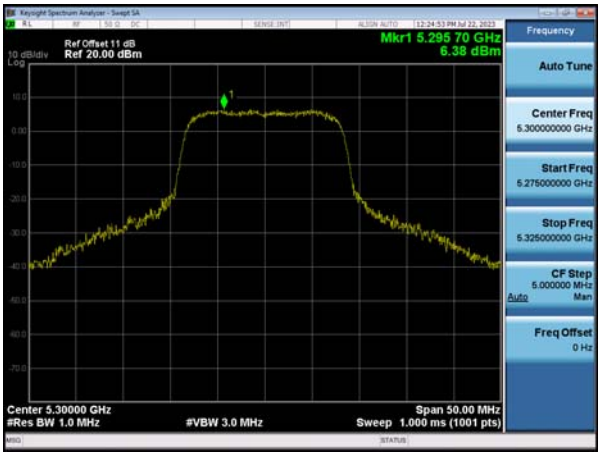
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11A
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH052	5260	6.72	11
CH060	5300	6.38	11
CH064	5320	6.25	11
CH100	5500	8.95	11
CH116	5580	8.79	11
CH140	5700	8.3	11

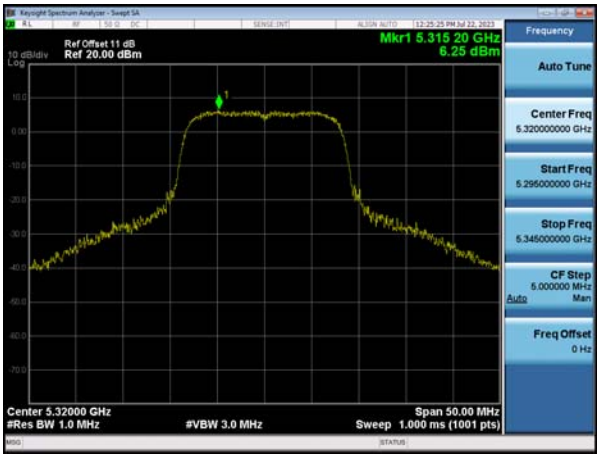
CH052：



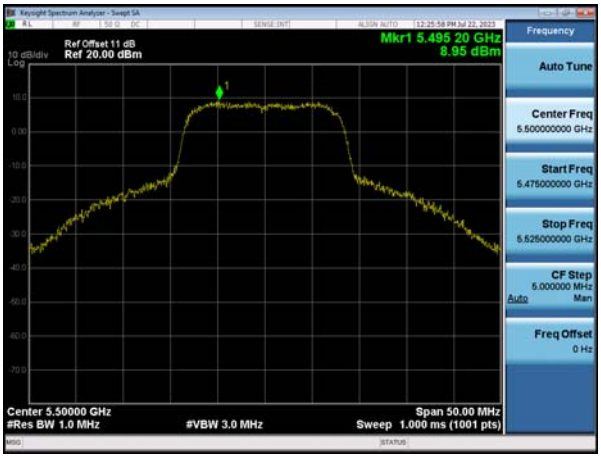
CH040：



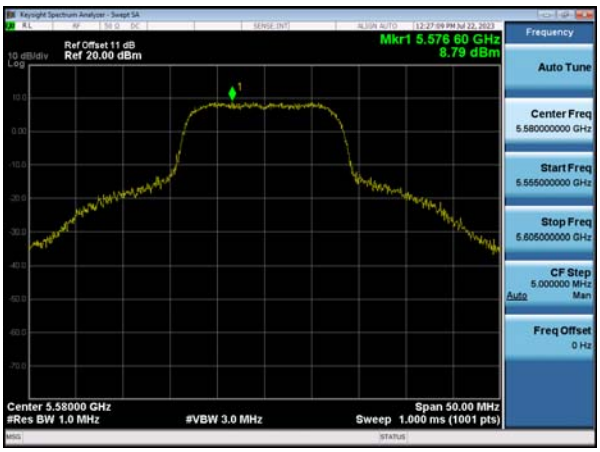
CH064：



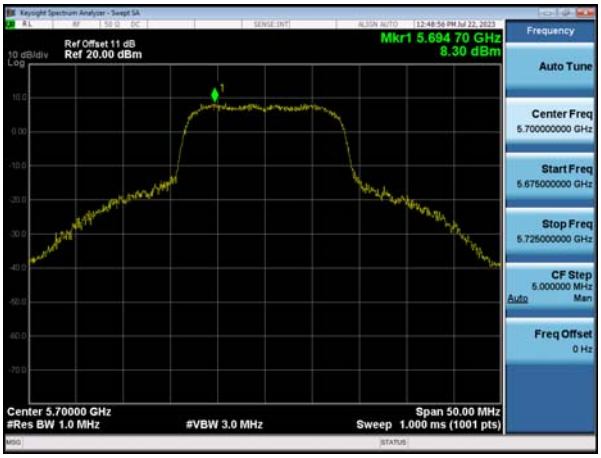
CH100：



CH116：


Ref Offset 11 dB
10 dB/div Ref 20.00 dBm
Mkr1 5.576 60 GHz
8.79 dBm
Center 5.58000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.580000000 GHz
Start Freq
5.555000000 GHz
Stop Freq
5.605000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

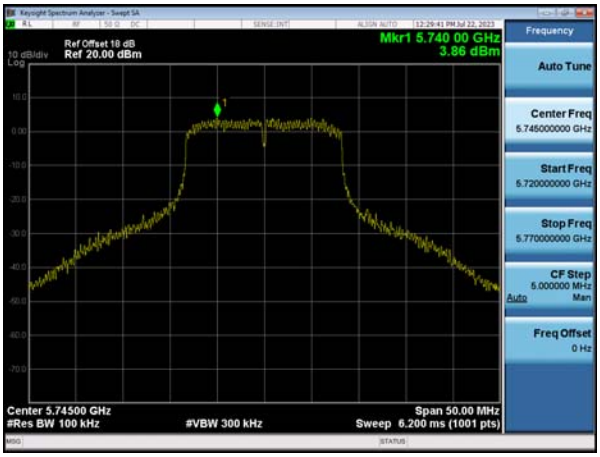
CH140：


Ref Offset 11 dB
10 dB/div Ref 20.00 dBm
Mkr1 5.694 70 GHz
8.30 dBm
Center 5.70000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.700000000 GHz
Start Freq
5.675000000 GHz
Stop Freq
5.725000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

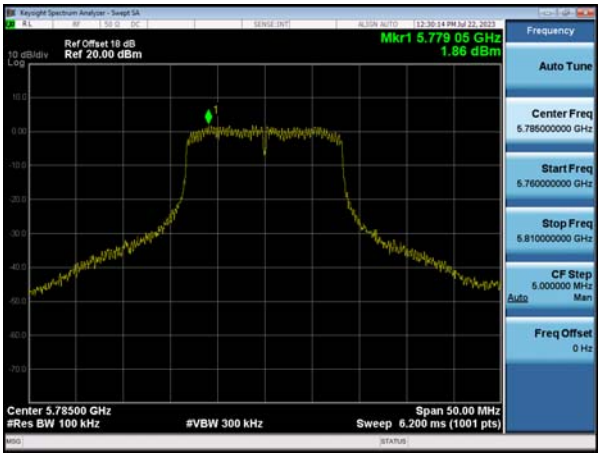
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11A
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH149	5745	3.86	30
CH157	5785	1.86	30
CH165	5825	2.99	30

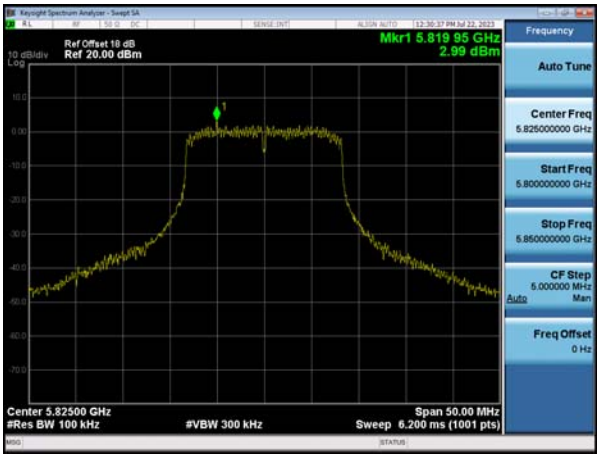
CH149：



CH157：



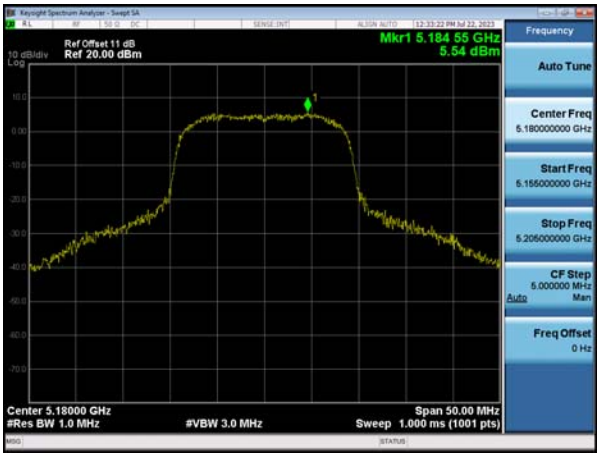
CH165：



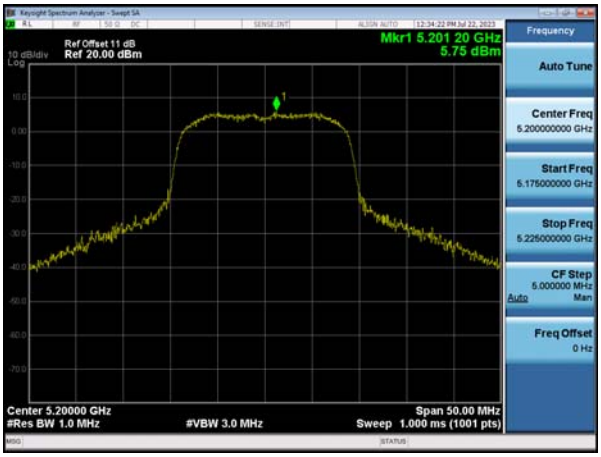
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AC 20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

CHANNEL NUMBER	Channel Frequency (MHz)	Power Spectral Density (dBm/1 MHz)	Maximum Limit (dBm/1 MHz)
CH036	5180	5.54	17
CH040	5200	5.75	17
CH048	5240	5.86	17

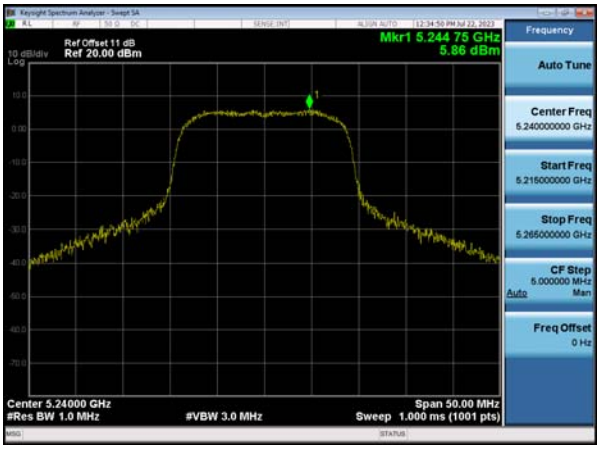
CH036：



CH040：



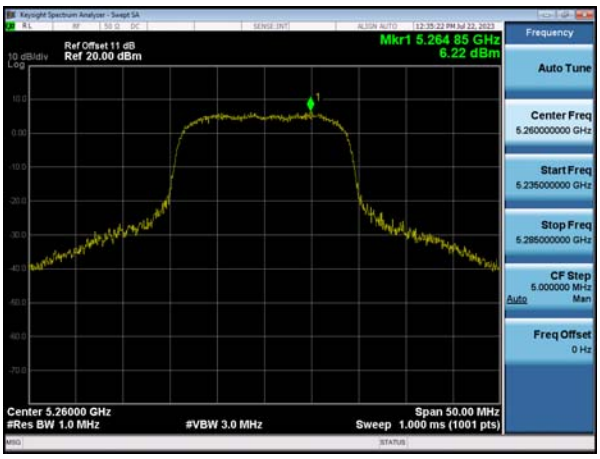
CH048：



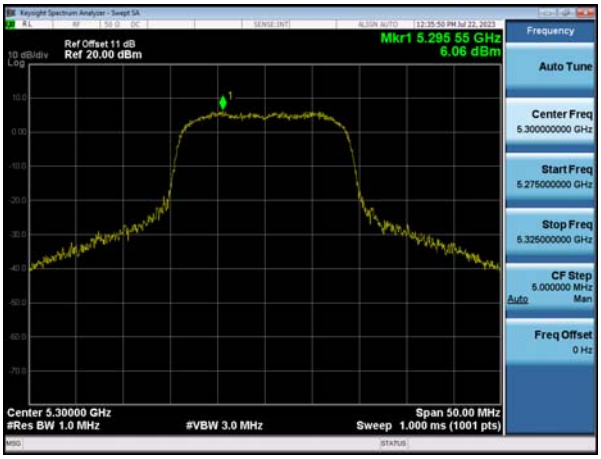
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AC 20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH052	5260	6.22	11
CH060	5300	6.08	11
CH064	5320	6.06	11
CH100	5500	8.47	11
CH116	5580	8.65	11
CH140	5700	8.27	11

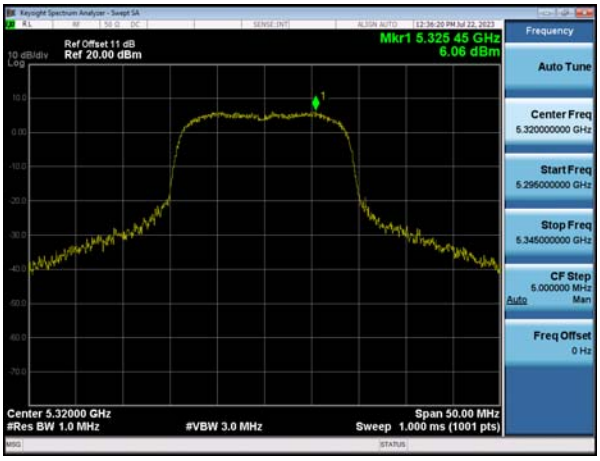
CH052：



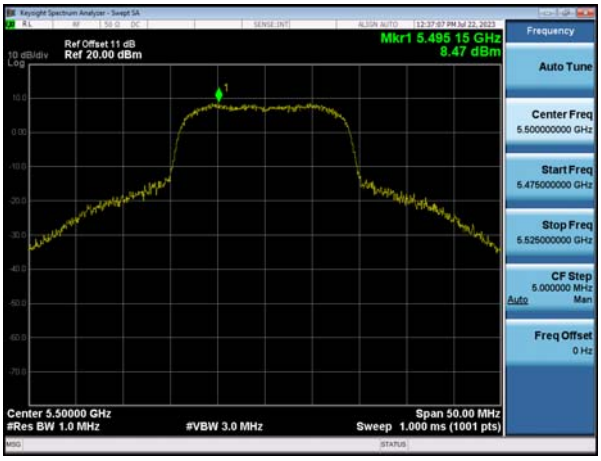
CH060：



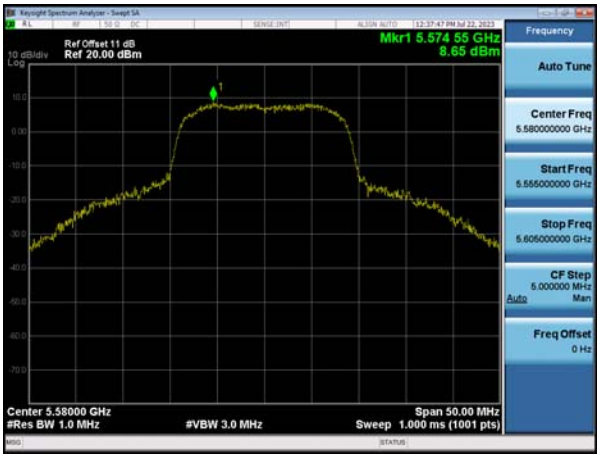
CH064：



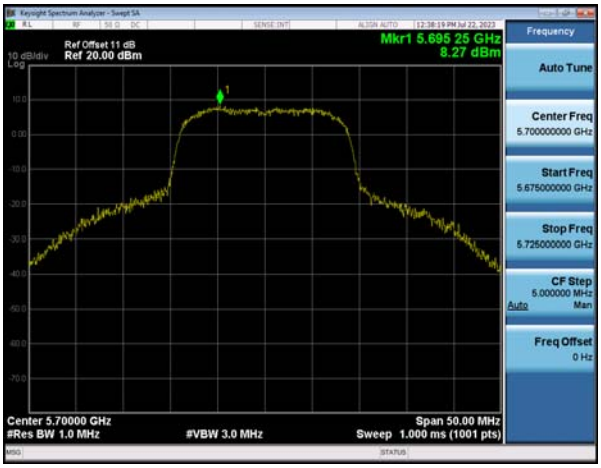
CH100：



CH116：


Ref Offset 11 dB
10 dB/div Ref 20.00 dBm
Mkr1 5.574 55 GHz
8.65 dBm
Center 5.58000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.580000000 GHz
Start Freq
5.555000000 GHz
Stop Freq
5.605000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

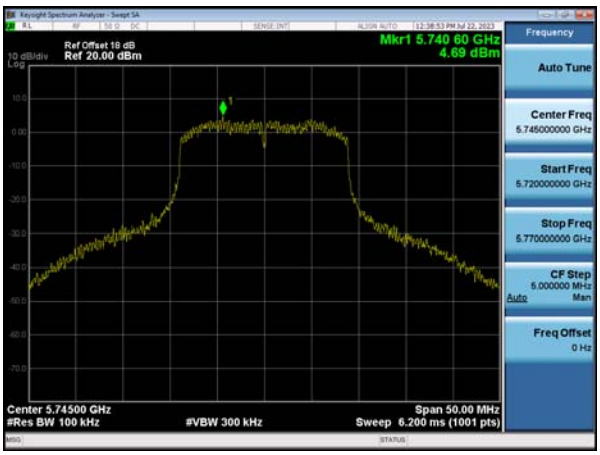
CH140：


Ref Offset 11 dB
10 dB/div Ref 20.00 dBm
Mkr1 5.695 25 GHz
8.27 dBm
Center 5.70000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.700000000 GHz
Start Freq
5.675000000 GHz
Stop Freq
5.725000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

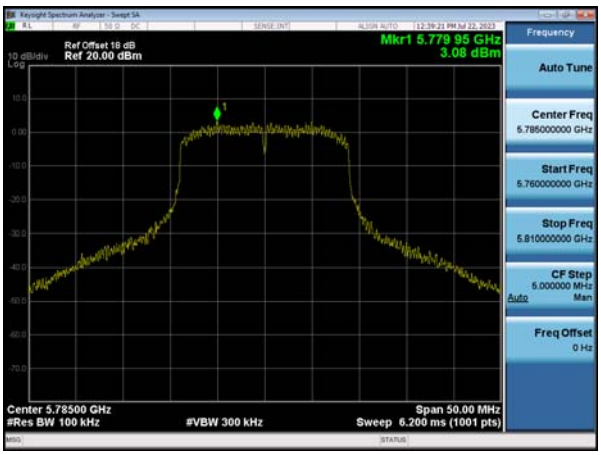
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11AC 20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH149	5745	4.69	30
CH157	5785	3.08	30
CH165	5825	1.81	30

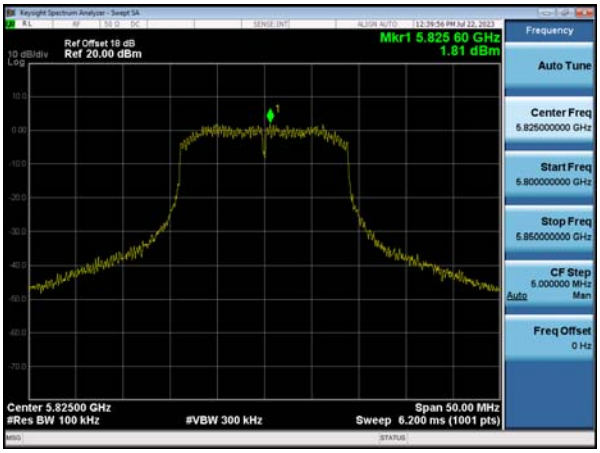
CH149：



CH157：



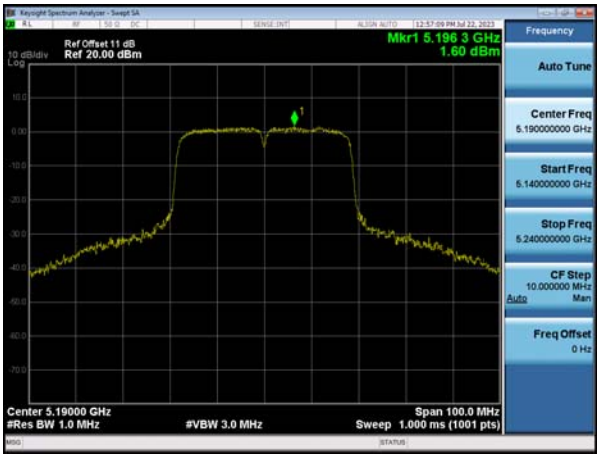
CH155：



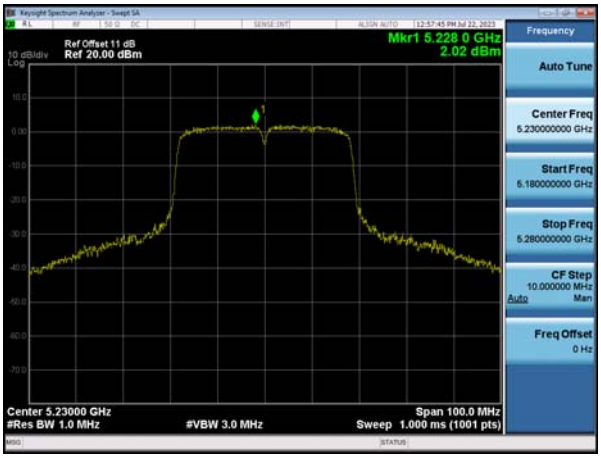
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AC 40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH038	5190	1.6	17
CH046	5230	2.02	17

CH038：



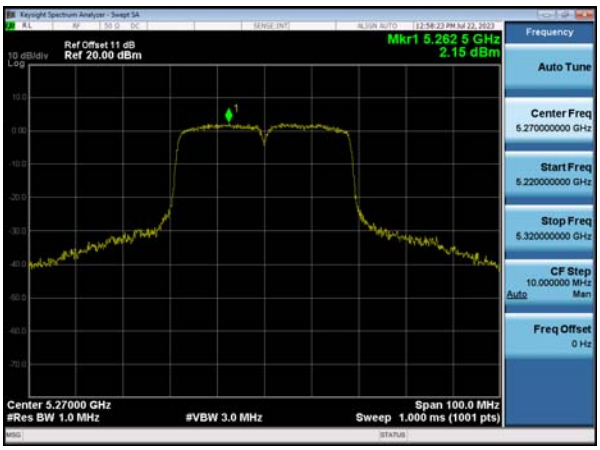
CH046：



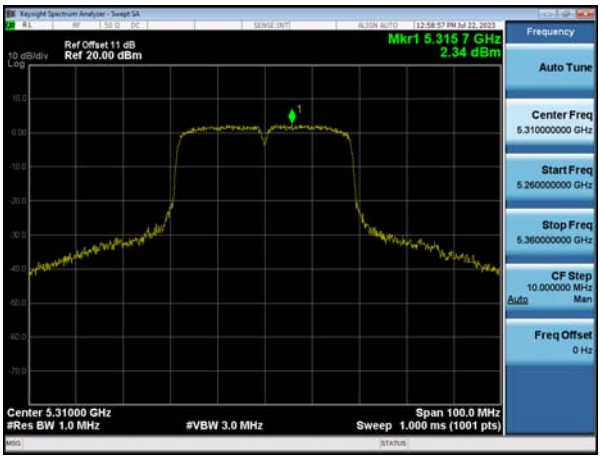
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AC 40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH054	5270	2.15	11
CH062	5310	2.34	11
CH110	5550	4.86	11
CH134	5670	4.73	11

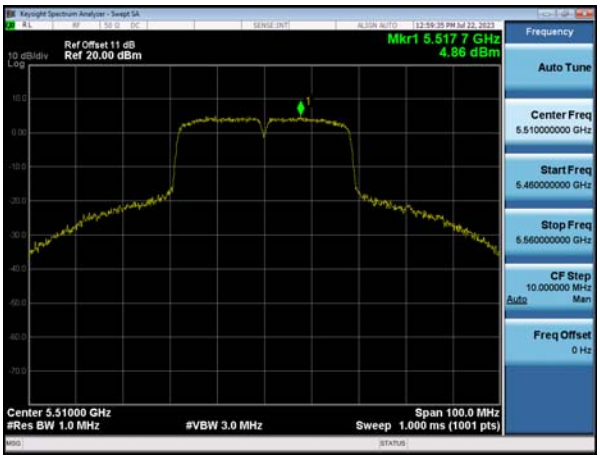
CH054：



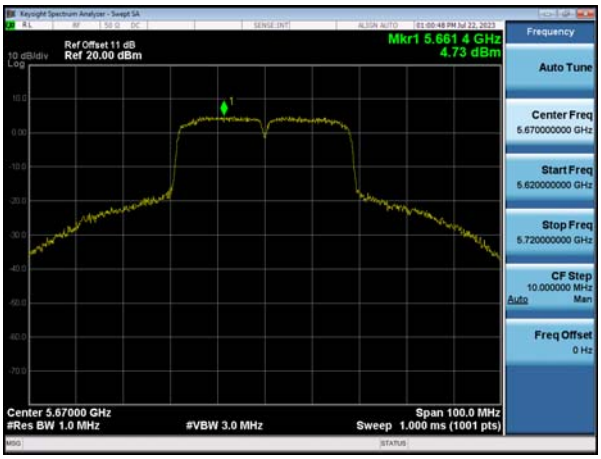
CH062：



CH110：



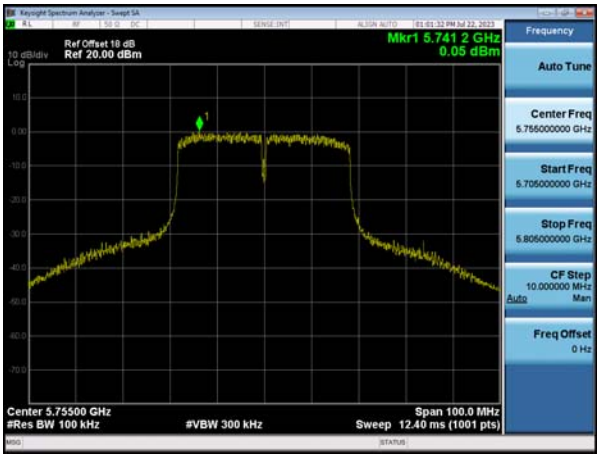
CH134：



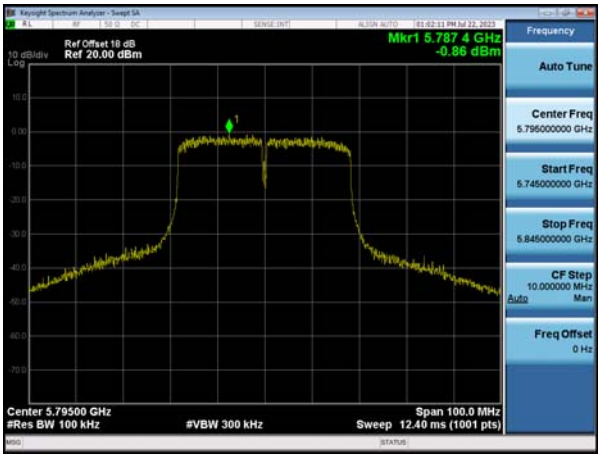
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11AC 40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH151	5755	0.05	30
CH159	5795	-0.86	30

CH151：



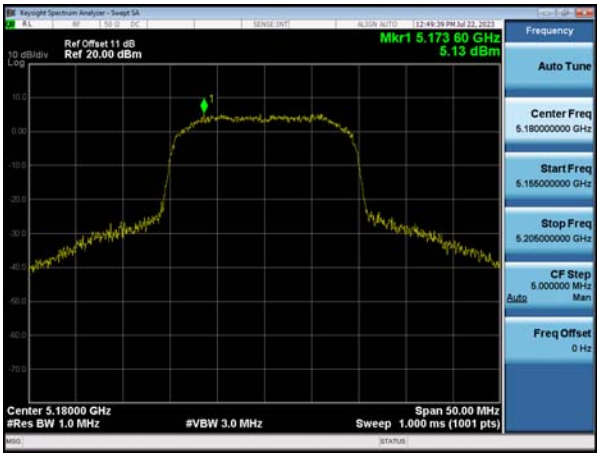
CH159：



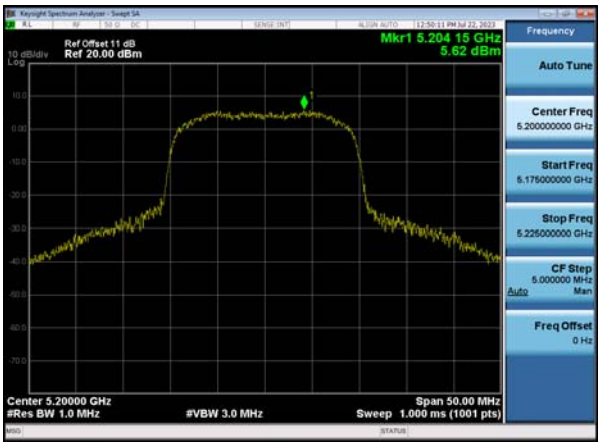
Temperature	27 °C	**Humidity**	71 %RH
Detector	Peak	**Test Mode**	OFDM-256QAM 802.11AX 20
RBW	1 MHz	**VBW**	3 MHz
Tested By	Jimmy Tseng	**Tested Date**	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH036	5180	5.13	17
CH040	5200	5.62	17
CH048	5240	5.7	17

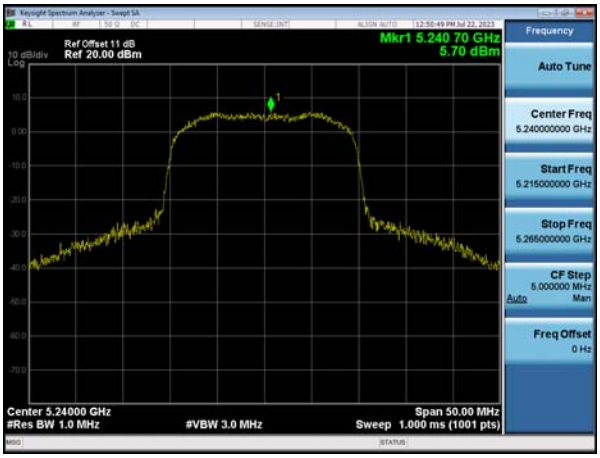
CH063：



CH040：



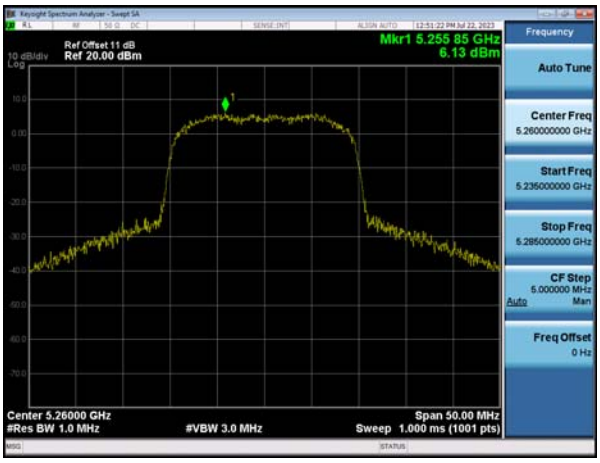
CH048：



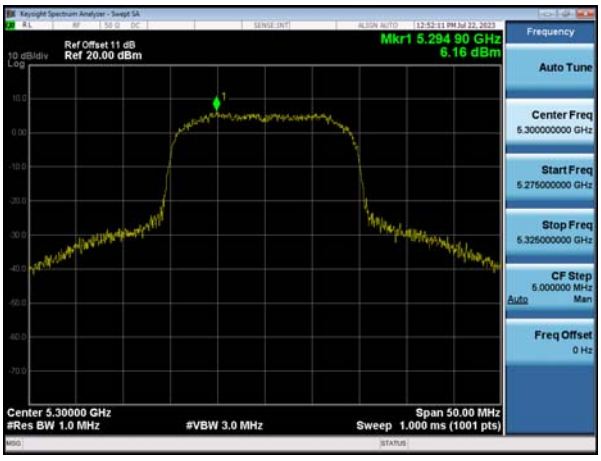
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AX 20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH052	5260	6.13	11
CH060	5300	6.16	11
CH064	5320	6.12	11
CH100	5500	8.7	11
CH116	5580	8.62	11
CH140	5700	8.28	11

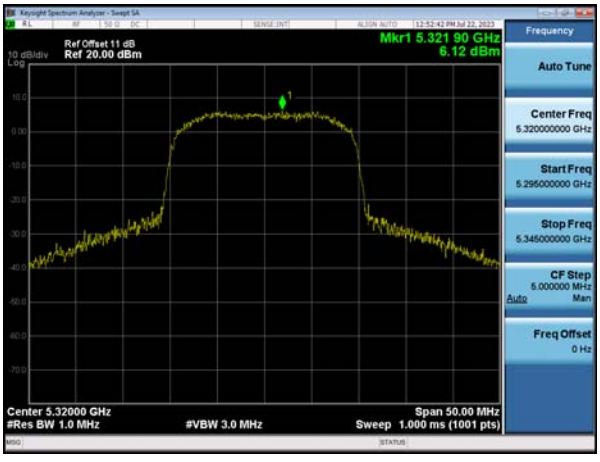
CH052：



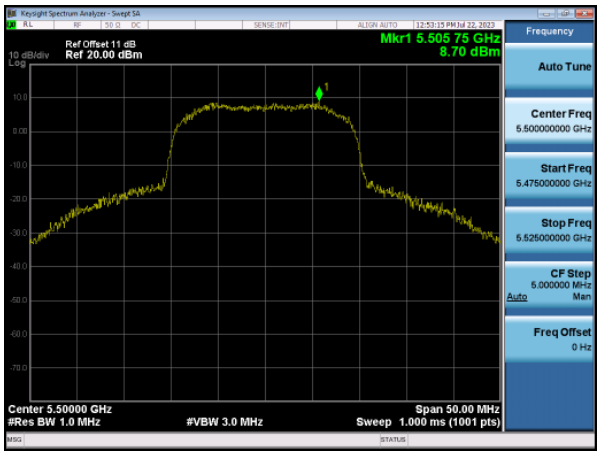
CH060：



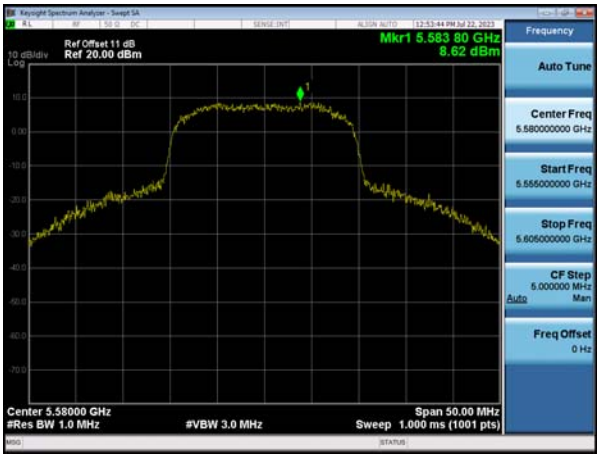
CH064：



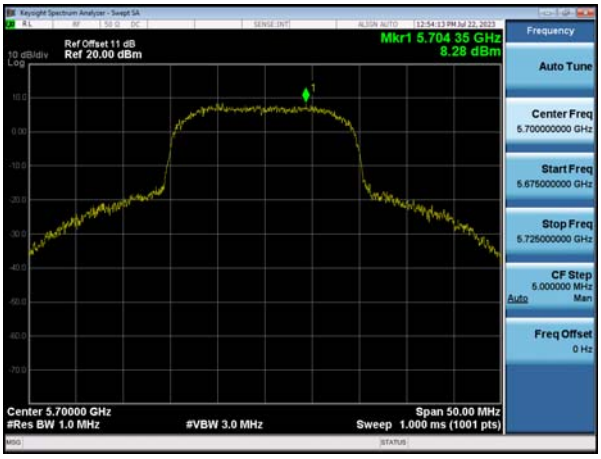
CH100：



CH116：


Ref Offset 11 dB
10 dB/div Ref 20.00 dBm
Mkr1 5.583 80 GHz
8.62 dBm
Center 5.58000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.580000000 GHz
Start Freq
5.555000000 GHz
Stop Freq
5.605000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

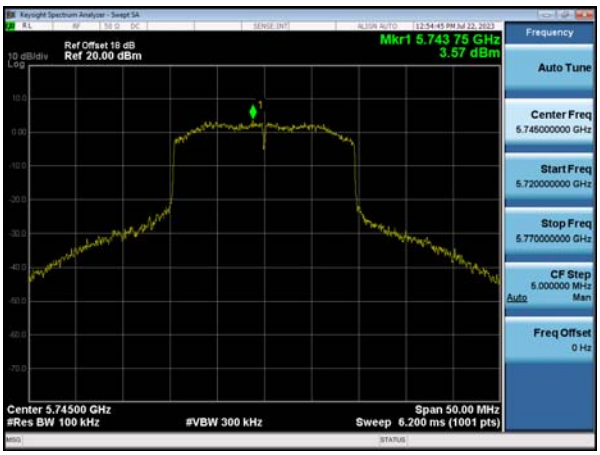
CH140：


Ref Offset 11 dB
10 dB/div Ref 20.00 dBm
Mkr1 5.704 35 GHz
8.28 dBm
Center 5.70000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 50.00 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.700000000 GHz
Start Freq
5.675000000 GHz
Stop Freq
5.725000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

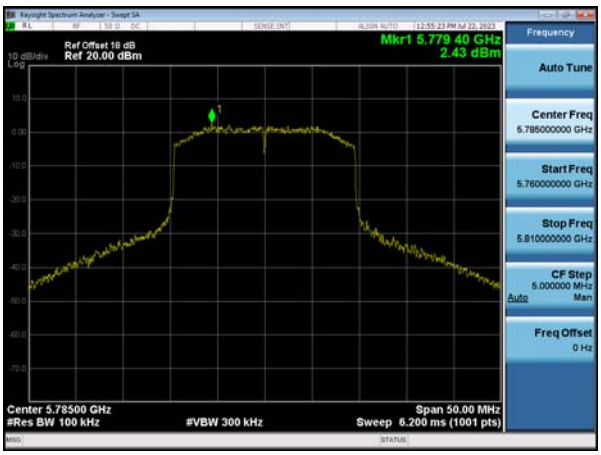
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11AX 20
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH149	5745	3.57	30
CH157	5785	2.43	30
CH165	5825	1.06	30

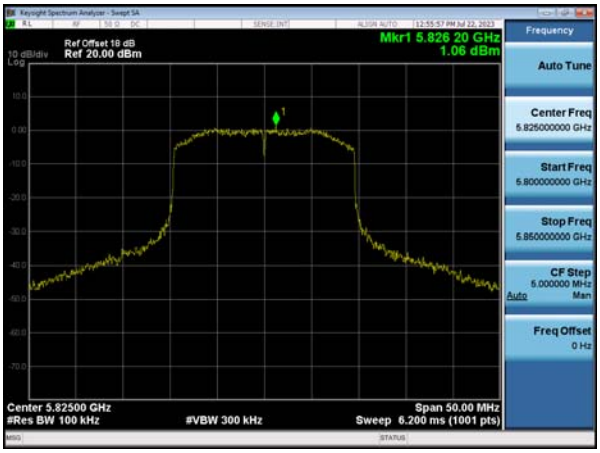
CH149：



CH157：



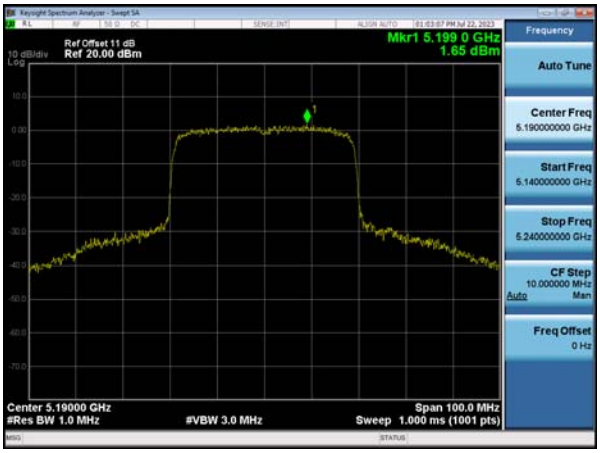
CH165：



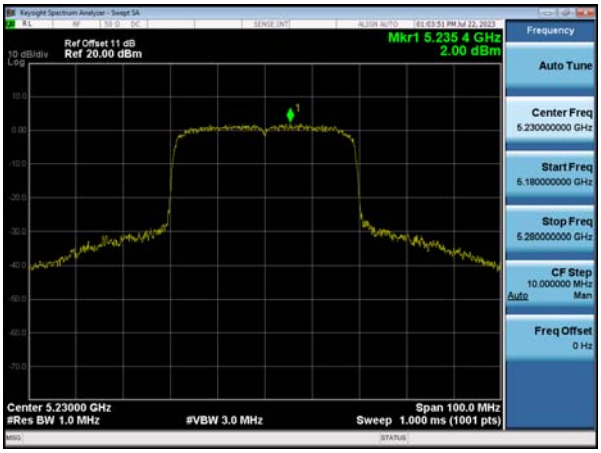
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AX 40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH038	5190	1.65	17
CH046	5230	2.0	17

CH038：



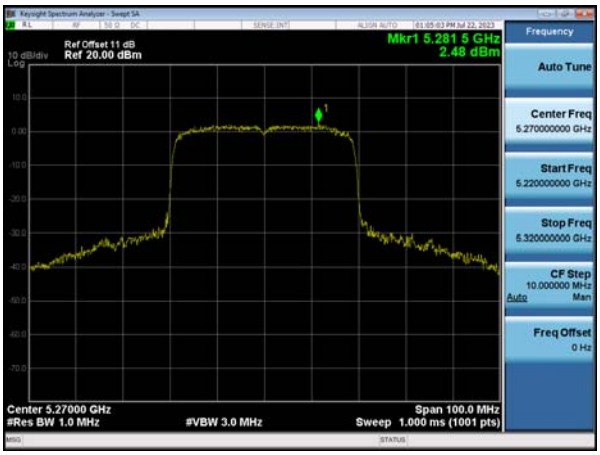
CH046：



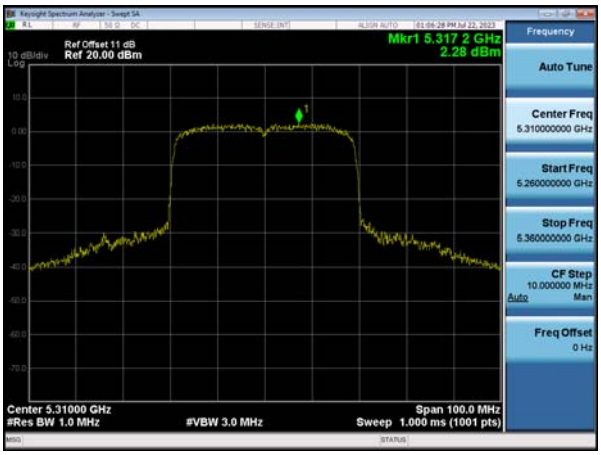
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-256QAM 802.11AX 40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH054	5270	2.48	11
CH062	5310	2.28	11
CH110	5550	4.85	11
CH134	5670	4.73	11

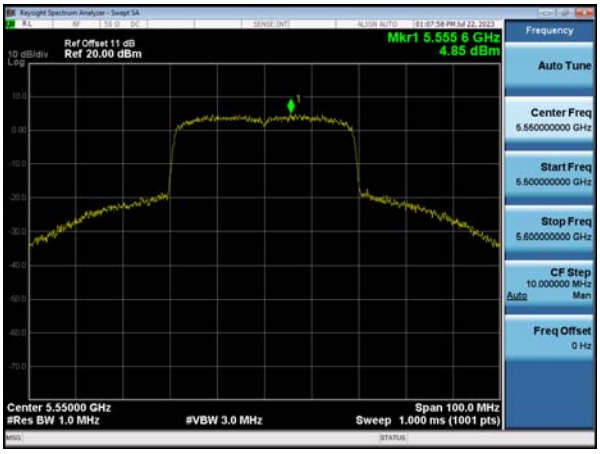
CH054：



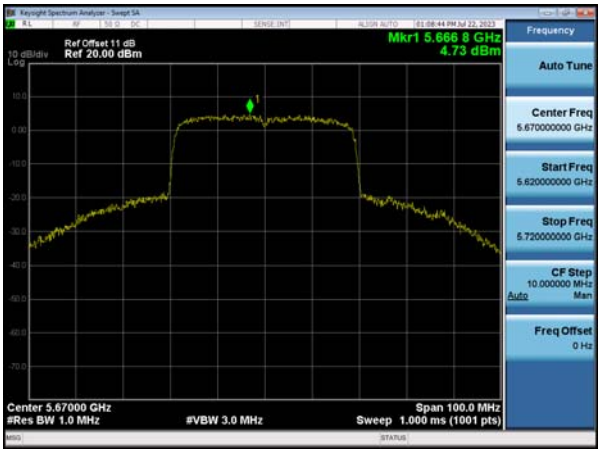
CH062：



CH120：



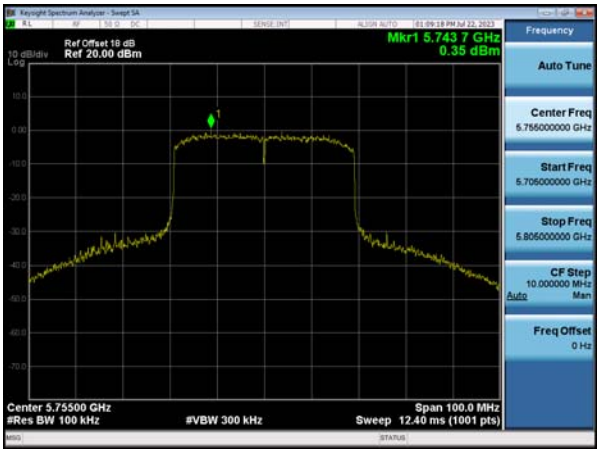
CH134：



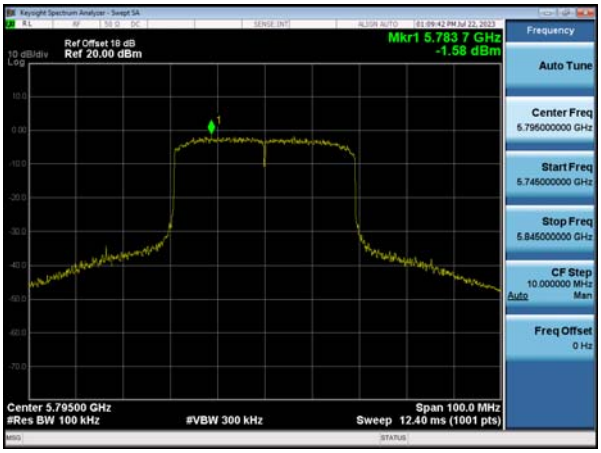
Temperature	27 °C	Humidity	71 %RH
Detector	Peak	Test Mode	OFDM-64QAM 802.11AX 40
RBW	1 MHz	VBW	3 MHz
Tested By	Jimmy Tseng	Tested Date	Jul. 22, 2023

Channel Number	Channel Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Maximum Limit (dBm/1MHz)
CH151	5755	0.35	30
CH159	5795	-1.58	30

CH151：



CH159：



5. Antenna application

5.1 Antenna requirement

FCC Part 15E section 15.407 requirement:

For the band 5.725-5.85 GHz, 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.

5.2 Result

The EUT's antenna used a Dipole Antenna . Gain of 5.1G & 5.8G antenna types is 3.09 dBi that meet the requirement.

6. Description of RF Exposure

SAR compliance has been evaluated in the product(s), and con be used in host product(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. End-users must be provided with specific information required to satisfy RF exposure compliance for all final host devices. Compliance of this device in all final host configurations is the responsibility of the Grantee.

- The separation distance -20 cm must be clearly stated in the operating and/or installation manual that is supplied to the User.
- This application is being made on behalf of the "Grantee".

7. TERMS OF ABBREVIATION

AV.	Average detection
AZ(º)	Turn table azimuth
Correct.	Correction
EL(m)	Antenna height (meter)
EUT	Equipment Under Test
Horiz.	Horizontal direction
LISN	Line Impedance Stabilization Network
NSA	Normalized Site Attenuation
Q.P.	Quasi-peak detection
SRT Lab	Spectrum Research & Testing Laboratory, Inc.
Vert.	Vertical direction