ADDENDUM TEST REPORT

FCC Part 15 Subpart F 15.519
Hand-Held UWB Device

Report No.: ALER05-U2 Rev A

Company: Alereon Inc.

Model Name: AL5350B Based UWB Modules

ADDENDUM TEST REPORT

Company Name: Alereon Inc.

Model Name: AL5350B Based UWB Modules

To: FCC CFR 47 Part 15 Subpart F 15.519

Test Report Serial No.: ALER05-U2 Rev A

This report is supported by: ALER03-U2

Applicant: Alereon Inc.
10800 Pecan Park Blvd, STE 100
Austin, Texas 78750
USA

Issue Date: 18th July 2022

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
Pleasanton California 94566
USA
Phone: +1 (925) 462-0304
Fax: +1 (925) 462-0306
www.micomlabs.com

ACCREDITED
TESTING CERT #2381.01

MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

Table of Contents

1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2017. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; http://www.a2la.org/scopepdf/2381-01.pdf

Accredited Laboratory

A2LA has accredited

MICOM LABS

Pleasanton, CA

for technical competence in the field of

Electrical Testing

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

Presented this 14th day of January 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2381.01
Valid to November 30, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

1.2. RECOGNITION

MiCOM Labs, Inc is widely recognized for its wireless testing and certification capabilities. In addition to being recognized for Testing and Certification under Phase 2 Mutual Recognition Agreements (MRA) with Canada, Europe, United Kingdom and Japan, our international recognition includes Conformity Assessment Body (CAB) designation status under agreements with Asia Pacific (APEC) MRA Phase 1 countries giving acceptance of MiCOM Labs test reports. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	MRA Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Test Firm Designation#: US1084
Canada	Industry Canada (ISED)	FCB	APEC MRA 2	US0159 ISED#: 4143A
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	Japan MRA 2	RCB 210
	Japan Approvals Institute for Telecommunication Equipment (JATE)			
	VCCI	--	--	A-0012
Europe	European Commission	NB	EU MRA 2	NB 2280
United Kingdom	Department for Business, Energy & Industrial Strategy (BEIS)	AB	UK MRA 2	AB 2280
Mexico	Instituto Federal de Telecomunicaciones (IFT)	CAB	Mexico MRA 1	US0159
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)			
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)			
Singapore	Infocomm Development Authority (IDA)			
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)			
Vietnam	Ministry of Communication (MIC)			

TCB – Telecommunications Certification Bodies (TCB)
FCB – Foreign Certification Body
CAB – Conformity Assessment Body
NB – Notified Body
AB – Approved Body
MRA – Mutual Recognition Agreement
MRA PhasePhase I - recognition for product testing
Phase II – recognition for both product testing and certification

1.3. PRODUCT CERTIFICATION

MiCOM Labs, Inc. is an accredited Product Certification Body per the international standard ISO/IEC 17065:2012. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; http://www.a2la.org/scopepdf/2381-02.pdf

Accredited Product Certification Body

A2LA has accredited

MiCOM LABS

Pleasanton, CA

This product certification body is accredited in accordance with the recognized International Standard ISO/IEC 17065:2012 *Requirements for bodies certifying products, processes and services*. This product certification body also meets the *A2LA R322 – Specific Requirements – Notified Body Accreditation Requirements* and *A2LA R308 - Specific Requirements - ISO-IEC 17065 - Telecommunication Certification Body Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a management system.

Presented this 14th day of January 2022

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2381.02
Valid to November 30, 2023

For the product certification schemes to which this accreditation applies, please refer to the organization's Product Certification Scope of Accreditation.

United States of America – Telecommunication Certification Body (TCB)
Industry Canada – Certification Body, CAB Identifier – US0159
Europe – Notified Body (NB), NB Identifier - 2280
UK – Approved Body (AB), AB Identifier - 2280
Japan – Recognized Certification Body (RCB), RCB Identifier - 210

2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	12th July 2022	Draft for review Compliance program added three additional antennas: Band 1: 3,168 – 4,752 MHz Band 2: 6,366 – 7,920 MHz Band 3: 7,500 – 9,000 MHz
Rev A	18th July 2022	Initial Release

In the above table the latest report revision will replace all earlier versions.

3. TEST RESULT CERTIFICATE

Manufacturer:	Alereon Inc. 10800 Pecan Park Blvd, STE 100 Austin, Texas 78750 USA	**Tested By:**	MiCOM Labs, Inc. 575 Boulder Court Pleasanton, California 94566 USA
Model:	AL5350B Based UWB Modules	**Telephone:**	+1 925 462 0304
Equipment Type:	Mobile & Portable Client Device	**Fax:**	+1 925 462 0306
S/N's:	AL5804 Impact: 21390399		
Test Date(s):	1st – 6th July 2022	**Website:**	www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart F 15.519	**EQUIPMENT COMPLIES**

MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Notes:

1. This document reports conditions under which testing was conducted and the results of testing performed.

2. Details of test methods used have been recorded and kept on file by the laboratory.

3. Test results apply only to the item(s) tested.

A2LA ACCREDITED TESTING CERT #2381.01

Approved & Released for MiCOM Labs, Inc. by:

Graeme Grieve
Quality Manager MiCOM Labs, Inc.

Gordon Hurst
President & CEO MiCOM Labs, Inc.

4. REFERENCES AND MEASUREMENT UNCERTAINTY

4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	FCC 47 CFR Part F	2018	Radio Frequency Devices; Subpart F –Ultra Wide Band Devices
II	A2LA	August 2018	R105 - Requirement's When Making Reference to A2LA Accreditation Status
III	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
IV	ANSI C63.4	2014	American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
V	ETSI TR 100 028	2001-12	Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics
VI	M 3003	Edition 3 Nov.2012	Expression of Uncertainty and Confidence in Measurements
VII	FCC 47 CFR Part 2.1033	2016	FCC requirements and rules regarding photographs and test setup diagrams.
VIII	KDB 393764 D01 UWB FAQ v02	January 29, 2018	Ultra-Wideband (UWB) Devices frequently asked questions

4.2. Test and Uncertainty Procedure

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.

5. PRODUCT DETAILS AND TEST CONFIGURATIONS

5.1. Technical Details

Details	Description
Purpose:	Test of the Alereon AL5350B Based UWB Modules to FCC CFR 47 Part 15 Subpart F 15.519 Ultra-Wideband (UWB); Hand-Held Device
Applicant:	Alereon Inc. 10800 Pecan Park Blvd, STE 100 Austin, TX 78750 USA
Manufacturer:	As applicant
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	ALER05-U2
Date EUT received:	30th June 2022
Standard(s) applied:	FCC Part 15 Subpart F 15.519
Dates of test (from - to):	1st – 6th July 2022
No of Units Tested:	1
Product Name:	AL5350B Based UWB Modules
Model(s):	AL5804 Impact: 1.7g, L1.215” x W0.565”, Rev 1, SW Rev 30006
Location for use:	Indoors and Outdoors
Declared Frequency Range(s):	3100-10600 MHz
Type of Modulation:	BPM/BPSK
EUT Modes of Operation:	UWB
Declared Nominal Output Power (dBm):	-41.3 dBm
Rated Input Voltage and Current:	AL5804 Impact: 5.0 VDC, 180mA
Operating Temp Range: (manufacturers declaration)	-40 to +85°C
Product Application:	Mobile & Portable Client Devices

5.2. Scope Of Test Program

Alereon Inc. Company: AL5350B Based UWB Modules

The scope of the test program was to test the Alereon Inc. Company AL5350B Based UWB Modules configurations in the frequency ranges 3100 - 10600 MHz for compliance against the following specification:

FCC CFR 47 Part 15 Subpart F – 15.519
Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 3100 - 10600 MHz bands.

Model
AL5804 Impact – USB Interface

This program covers the following antennas added by the manufacturer:

- Membrane Patch Antenna
- Left Visor Patch Antenna
- Right Visor Patch Antenna

The following testing was performed on each antenna:

- Radiated Spurious Emissions 960 MHz to 18000 MHz
- Calculated Average Transmitting Power
- Calculated Peak Power Density

Additional tests required will be found in the test reports listed below:

Digital Emissions from 30MHz to 1GHz can be found in the MiCOM Labs test report ALER03-U4
Ultra-Wide Bandwidth RF can be found in the MiCOM Labs test report ALER03-U2
Shutdown Timing Requirements can be found in the MiCOM Labs test report ALER03-U2

5.3. Equipment Model(s) and Serial Number(s)

Type (EUT/ Support)	Equipment Description (Including Brand Name)	Mfr.	Model No.	Serial No.
EUT	Impact	Alereon Inc	AL5804	21390399
Support	Host Board	Alereon Inc	N/A	N/A
Support	Laptop	Lenovo	N/A	N/A

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (GHz)
Chip	Not Provided	Membrane	Patch	4.0/12.0/5.0	N/A	--	No	3.0/6.0/9.0
Chip	Not Provided	Left Visor	Patch	-2.0/5.0/0.0	N/A	--	No	3.0/6.0/9.0
Chip	Not Provided	Right Visor	Patch	2.0/3.0/1.0	N/A	--	No	3.0/6.0/9.0

BF Gain - Beamforming Gain
Dir BW - Directional BeamWidth
X-Pol - Cross Polarization

5.5. Cabling and I/O Ports

Custom 60 pin interface to Host Board/ USB

a. USB Type A Port
b. Custom USB Port
c. Serial Port
d. Parallel Interface

5.6. Test Configurations

Results for the following configurations are provided in this report:

Band(s)	Transmission Rate	Channel Frequency (MHz)		
		Low	Mid	High
1	Max	3432	3960	4488
3	Max	6600	7128	7656*
6	Max	7656*	8184	8712

*These frequencies are the same for Band 3 and Band 6. As a result, radiated testing only presents a single set of results.

5.7. Equipment Modifications

The following modifications were required to bring the equipment into compliance:
1. NONE

5.8. Deviations from the Test Standard

The following deviations from the test standard were required in order to complete the test program:
1. NONE

6. TEST SUMMARY

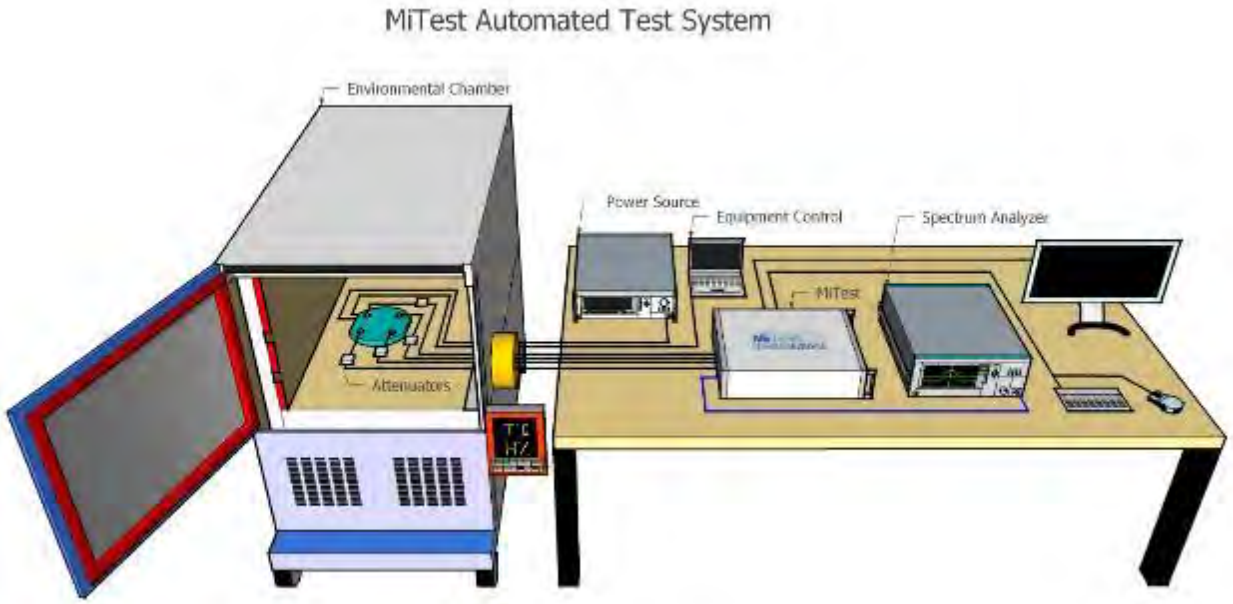
List of Measurements

Test Header	Result	Data Link
UWB Bandwidth → AL5804 Impact	Complies	See MiCOM Labs test report ALER03-U2
Average Transmit Power	Complies	View Data
Peak Power Density	Complies	View Data
Spurious Radiated Emissions	Complies	View Data
Spurious Radiated Emissions in GPS Bands	Complies	View Data
Shutdown Timing Requirements	Complies	See MiCOM Labs test report ALER03-U2
Emissions below 1 GHz	Complies	--
- AL5804 Impact	Complies	See MiCOM Labs test report ALER03-U4
AC Wireline Emissions	*Not Applicable	Vdc Modules
Comments: None		

*Modules are dc powered

7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Conducted Test Setup



A full system calibration was performed on the test station and any resulting system losses (or gains) were considered in the production of all final measurement data.

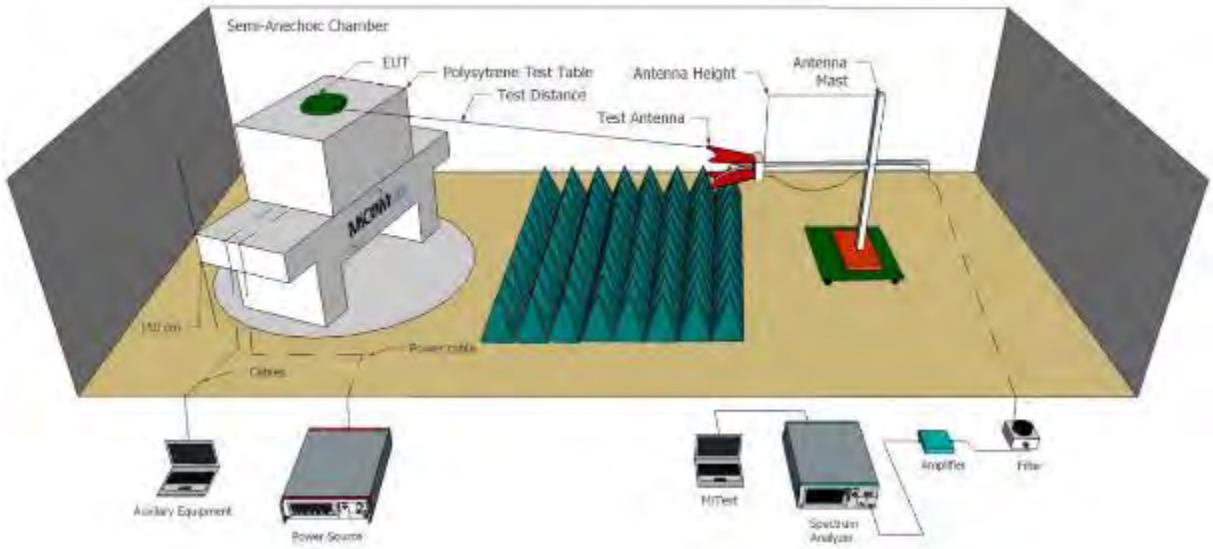
Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
#3 SA	MiTest Box to SA	Fairview Microwave	SCA1814-0101-72	#3 SA	7 Oct 2022
#3P1	EUT to MiTest box port 1	Fairview Microwave	SCA1814-0101-72	#3P1	7 Oct 2022
#3P2	EUT to MiTest box port 2	Fairview Microwave	SCA1814-0101-72	#3P2	7 Oct 2022
#3P3	EUT to MiTest box port 3	Fairview Microwave	SCA1814-0101-72	#3P3	7 Oct 2022
#3P4	EUT to MiTest box port 4	Fairview Microwave	SCA1812-0101-72	#3P4	7 Oct 2022
249	Thermocouple; Resistance Thermometer	Thermotronics	GR2105-02	9340 #2	30 Oct 2022
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2022
398	MiTest RF Conducted Test Software	MiCOM	MiTest ATS	Version 4.2.3.0	Not Required
405	DC Power Supply 0-60V	Agilent	6654A	MY4001826	Cal when used
408	USB to GPIB interface	National Instruments	GPIB-USB HS	14C0DE9	Not Required
441	USB Wideband Power Sensor	Boonton	55006	9179	20 Sep 2022

442	USB Wideband Power Sensor	Boonton	55006	9181	19 Oct 2022
445	PoE Injector	D-Link	DPE-101GL	QTAH1E2000625	Not Required
461	Spectrum Analyzer	Agilent	E4440A	MY46185537	27 Sep 2023
493	USB Wideband Power Sensor	Boonton	55006	9634	8 Oct 2022
494	USB Wideband Power Sensor	Boonton	55006	9726	19 Oct 2022
510	Barometer/Thermometer	Digi Sense	68000-49	170871375	4 Jan 2023
512	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen with DFS	512	29 Jun 2023
555	Rhode & Schwarz Receiver (Firmware Version : 2.00 SP1)	Rhode & Schwarz	ESW 44	101893	28 Jun 2023
75	Environmental Chamber	Thermatron	SE-300-2-2	27946	20 Feb 2023

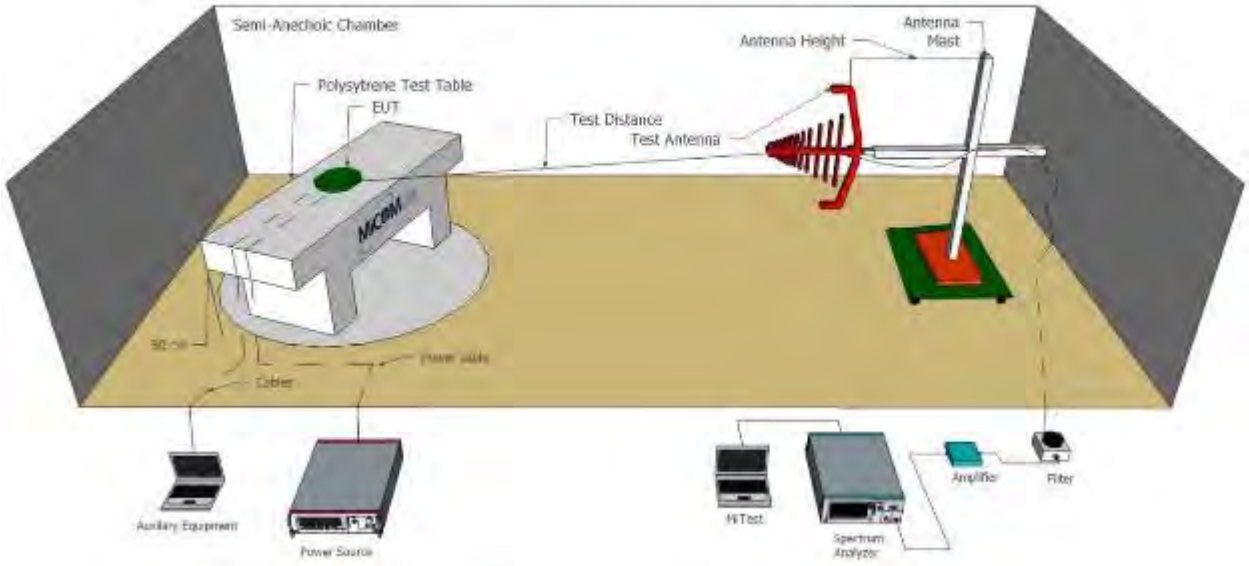
7.2. Radiated Emissions - 3m Chamber

The following tests were performed using the radiated test set-up shown in the diagram below. Radiated emissions above and below 1GHz.

Radiated Emissions Above 1GHz Test Setup



Radiated Emissions Below 1GHz Test Setup



A full system calibration was performed on the test station and any resulting system losses (or gains) were considered in the production of all final measurement data.

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
330	Variac 0-280 Vac	Staco Energy Co	3PN1020B	0546	Cal when used
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2022
298	3M Radiated Emissions Chamber Maintenance Check	MiCOM	3M Chamber	298	24 Jul 2022
336	Active loop Ant 10kHz to 30 MHz	EMCO	EMCO 6502	00060498	29 Nov 2022
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	29 Sep 2023
373	26III RMS Multimeter	Fluke	Fluke 26 series III	76080720	29 Sep 2022
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	27 Oct 2022
399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	30 Sep 2023
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	2 Nov 2022
410	Desktop Computer	Dell	Inspiron 620	WS38	Not Required
411	Mast/Turntable Controller	Sunol Sciences	SC98V	060199-1D	Not Required
412	USB to GPIB Interface	National Instruments	GPIB-USB HS	11B8DC2	Not Required
413	Mast Controller	Sunol Science	TWR95-4	030801-3	Not Required
414	DC Power Supply 0-60V	HP	6274	1029A01285	Cal when used
415	Turntable Controller	Sunol Sciences	Turntable Controller	None	Not Required
416	Gigabit ethernet filter	ETS-Lingren	Gigafoil 260366	None	Not Required
447	MiTest Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0	447	Not Required
462	Schwarzbeck cable from Antenna to Amplifier.	Schwarzbeck	AK 9513	462	27 Oct 2022
463	Schwarzbeck cable from Amplifier to Bulkhead.	Schwarzbeck	AK 9513	463	27 Oct 2022
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	27 Oct 2022
480	Cable - Bulkhead to Amp	SRC Haverhill	157-3050360	480	6 Oct 2022
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-3050787	481	6 Oct 2022

510	Barometer/Thermometer	Digi Sense	68000-49	170871375	4 Jan 2023
554	Precision SMA Cable	Fairview Microwave	SCE18060101-400CM	554	6 Oct 2022
555	Rhode & Schwarz Receiver (Firmware Version : 2.00 SP1)	Rhode & Schwarz	ESW 44	101893	28 Jun 2023

8. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by MiTest. MiTest is an automated test system developed by MiCOM Labs. MiTest is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.

The MiCOM Labs "MiTest" Automated Test System" (Patent Pending)

9. TEST RESULTS

9.1. Average Transmit Power

Conducted Test Conditions for Average Output Power			
Standard:	FCC CFR 47:15.519	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	Radiated Emissions UWB Transmission	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	15.519 (c)	**Pressure (mBars):**	999 - 1001
Reference Document(s):	None		

Test Procedure for UWB Transmission

Testing was performed under ambient conditions at nominal voltage.

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document. Supporting KDB's referenced below.

Operating Frequency Band:
3100-10600 MHz

Limits Maximum EIRP (dBm)

Frequency (MHz)	EIRP Limit (dBm)
3100 - 10600	-41.3

Antenna data sheets provided did not provide gains for frequencies between ranges of 3GHz to 6GHz and 6GHz to 9GHz. As such the gains used for each frequency listed represent the worst case scenario.

9.1.1. Membrane Patch Antenna

Equipment Configuration for Average RF Output Power

Variant:	Band Group 1 / 3 / 6	**Duty Cycle (%):**	99
Data Rate:	200Mbp/s	**Antenna Gain (dBi):**	4.0 / 12.0 / 5.0
Modulation:	BPM/BPSK	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
3432.00	-47.06	-43.06	-41.30	-1.76	0.0
3960.00	-49.59	-45.59	-41.30	-4.29	0.0
4488.00	-45.50	-41.50	-41.30	-0.20	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
6600.00	-53.87	-41.87	-41.30	-0.57	8.0
7128.00	-53.92	-41.92	-41.30	-0.62	8.0
7656.00	-53.94	-41.94	-41.30	-0.64	8.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
7656.00	-53.94	-41.94	-41.30	-0.64	8.0
8184.00	-46.60	-41.60	-41.30	-0.30	1.0
8712.00	-47.12	-42.12	-41.30	-0.82	1.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Uncertainty:	±1.33 dB

9.1.2. Left Patch Antenna

Equipment Configuration for Average RF Output Power			
Variant:	Band Group 1 / 3 / 6	**Duty Cycle (%):**	99
Data Rate:	200Mbp/s	**Antenna Gain (dBi):**	-2.0 / 5.0 / 0.0
Modulation:	BPM/BPSK	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
3432.00	-47.06	-49.06	-41.30	-7.76	0.0
3960.00	-49.59	-51.59	-41.30	-10.29	0.0
4488.00	-45.50	-47.50	-41.30	-6.20	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
6600.00	-46.46	-41.46	-41.30	-0.16	0.0
7128.00	-46.74	-41.74	-41.30	-0.44	0.0
7656.00	-46.52	-41.52	-41.30	-0.22	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
7656.00	-46.52	-41.52	-41.30	-0.22	0.0
8184.00	-45.92	-45.92	-41.30	-4.62	0.0
8712.00	-46.30	-46.30	-41.30	-5.00	0.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Uncertainty:	±1.33 dB

9.1.3. Right Patch Antenna

Equipment Configuration for Average RF Output Power			
Variant:	Band Group 1 / 3 / 6	**Duty Cycle (%):**	99
Data Rate:	200Mbp/s	**Antenna Gain (dBi):**	2.0 / 3.0 / 1.0
Modulation:	BPM/BPSK	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
3432.00	-47.06	-45.06	-41.30	-3.76	0.0
3960.00	-49.59	-47.59	-41.30	-6.29	0.0
4488.00	-45.50	-43.50	-41.30	-2.20	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
6600.00	-46.46	-43.46	-41.30	-2.16	0.0
7128.00	-46.74	-43.74	-41.30	-2.44	0.0
7656.00	-46.52	-43.52	-41.30	-2.22	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
7656.00	-46.52	-43.52	-41.30	-2.22	0.0
8184.00	-45.92	-44.92	-41.30	-3.62	0.0
8712.00	-46.30	-45.30	-41.30	-4.00	0.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Uncertainty:	±1.33 dB

9.2. Peak Power Density

Test Conditions for Maximum Peak Power Density			
Standard:	FCC CFR 47:15.519 (e)	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	Peak Power Density	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	ANSI C63.10 Section 10.3.6	**Pressure (mBars):**	999 - 1001
Reference Document(s):	None		

Test Procedure for UWB Transmission

Testing was performed under ambient conditions at nominal voltage.

Test configuration and setup used for the measurement was per the Radiated Test Set-up section specified in this document. Supporting KDB's referenced below.

Measurements were gathered with a RBW of 1MHz and converted to 50MHz using the following formula:

EIRP1 MHz = EIRP50 MHz + 20log(30MHz/50MHz) = 0dBm + (-4.43dBm) = -4.43dBm

(dBuV/m) = P(e.i.r.p.(dBm)) + 95.2

Operating Frequency Band:
3100-10600 MHz

Limits Maximum EIRP (dBm)

Frequency (MHz)	EIRP Limit (dBm/50MHz)	EIRP Limit (dBm/30MHz)
3100 - 10600	0	-4.43

Antenna data sheets provided did not provide gains for frequencies between ranges of 3GHz to 6GHz and 6GHz to 9GHz. As such the gains used for each frequency listed represent the worst case scenario.

9.2.1. Membrane Patch Antenna

Equipment Configuration for Average RF Output Power			
Variant:	Band Group 1 / 3 / 6	**Duty Cycle (%):**	99
Data Rate:	200Mbp/s	**Antenna Gain (dBi):**	4.0 / 12.0 / 5.0
Modulation:	BPM/BPSK	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
3432.00	-16.73	-12.73	0.00	-12.73	0.0
3960.00	-15.25	-11.25	0.00	-11.25	0.0
4488.00	-16.64	-12.64	0.00	-12.64	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
6600.00	-21.30	-9.30	0.00	-9.30	8.00
7128.00	-21.69	-9.69	0.00	-9.69	8.00
7656.00	-23.18	-11.68	0.00	-11.18	8.00

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
7656.00	-18.52	-6.52	0.00	-6.52	8.0
8184.00	-16.47	-11.47	-4.43	-7.04	0.0
8712.00	-18.97	-13.97	-4.43	-9.54	0.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Uncertainty:	±1.33 dB

9.2.2. Left Patch Antenna

Equipment Configuration for Average RF Output Power			
Variant:	Band Group 1 / 3 / 6	**Duty Cycle (%):**	99
Data Rate:	200Mbp/s	**Antenna Gain (dBi):**	-2.0 / 5.0 / 0.0
Modulation:	BPM/BPSK	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
3432.00	-16.73	-18.73	0.00	-18.73	0.0
3960.00	-15.25	-17.25	0.00	-17.25	0.0
4488.00	-16.64	-18.64	0.00	-18.64	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
6600.00	-14.25	-9.25	0.00	-9.25	0.0
7128.00	-16.92	-11.92	0.00	-11.92	0.0
7656.00	-17.17	-12.17	0.00	-12.17	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
7656.00	-12.65	-7.65	0.00	-7.65	0.0
8184.00	-16.47	-16.47	-4.43	-12.04	0.0
8712.00	-18.97	-18.97	-4.43	-14.54	0.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Uncertainty:	±1.33 dB

9.2.3. Right Patch Antenna

Equipment Configuration for Average RF Output Power			
Variant:	Band Group 1 / 3 / 6	**Duty Cycle (%):**	99
Data Rate:	200Mbp/s	**Antenna Gain (dBi):**	2.0 / 3.0 / 1.0
Modulation:	BPM/BPSK	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
3432.00	-16.73	-14.73	0.00	-14.73	0.0
3960.00	-15.25	-13.25	0.00	-13.25	0.0
4488.00	-16.64	-14.64	0.00	-14.64	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
6600.00	-14.25	-11.25	0.00	-11.25	0.0
7128.00	-16.92	-13.92	0.00	-13.92	0.0
7656.00	-17.17	-14.17	0.00	-14.17	0.0

Test Frequency MHz	Measured Output Power(dBm)	Calculated EIRP	EIRP Limit	Margin	EUT Power Setting
	Port A	dBm	dBm	dB	Numeric
7656.00	-12.65	-9.65	0.00	-9.65	0.0
8184.00	-16.47	-15.47	-4.43	-11.04	0.0
8712.00	-18.97	-17.97	-4.43	-13.54	0.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-01 MEASURING RF OUTPUT POWER
Uncertainty:	±1.33 dB

9.3. Transmitter Spurious Band Emissions

Radiated Test Conditions for Radiated Spurious and Band-Edge Emissions			
Standard:	FCC CFR 47 15.519	**Ambient Temp. (ºC):**	20.0 - 24.5
Test Heading:	Radiated Spurious and Band-Edge Emissions	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	ANSI C63.10 Section 10.2 + 10.3	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for Radiated Spurious and Band-Edge Emissions
Radiated emissions for restricted bands above 1 GHz are measured in the anechoic chamber at a 3-meter distance on every azimuth in both horizontal and vertical polarities. The emissions are recorded and maximized as a function of azimuth by rotation through 360° with a spectrum analyzer in max hold mode. Depending on the frequency band spanned a notch filter was used to remove the fundamental frequency. The highest emissions relative to the limit are listed for each frequency spanned.
Measurements on any restricted band frequency or frequencies above 1 GHz are based on the use of measurement instrumentation employing peak and average detectors. All measurements were performed using a resolution bandwidth of 1 MHz.

Limits for Restricted Bands (15.205, 15.209)
Peak emission: 68.23 dBuV/m
Average emission: 54 dBuV/m

Field Strength Calculation
The field strength is calculated by adding the Antenna Factor and Cable Loss, and subtracting Amplifier Gain from the measured reading. All factors are included in the reported data.
FS = R + AF + CORR - FO

where:
FS = Field Strength
R = Measured Spectrum analyzer Input Amplitude
AF = Antenna Factor
CORR = Correction Factor = CL – AG + NFL
CL = Cable Loss
AG = Amplifier Gain
FO = Distance Falloff Factor
NFL = Notch Filter Loss

Measurements made at 1 meter to meet noise floor to limit requirements

Frequency Range		Average Limit	
MHz	**MHz**	**EIRP (dBm)**	**EIRP at 1 Meters (dBuV/m)**
960	1610	-75.3	29.4
1610	1990	-63.3	41.4
1990	3100	-61.3	43.4
3100	10600	-41.3	63.4
10600	18000	-61.3	43.4

Radiated Spurious Emissions in the GPS Bands 15.519 (d)

Frequency Range		Average Limit	
MHz	MHz	EIRP (dBm)	EIRP at 1 Meters (dBuV/m)
1164	1240	-85.3	19.47
1559	1610	-85.3	19.47

50 MHz Peak Emissions 15.519 (e)
Within 50 MHz bandwidth centered on highest radiated emissions $f_{M,}$ Limit is 0.0 dBm EIRP. At 1-meter distance the equivalent level is 104.77 dBuV/m

9.3.1. Membrane Patch Antenna

9.3.1.1. Band 1

Equipment Configuration for Spurious Emissions			
Antenna:	Membrane Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	4.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3432.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.91	28.39	Average	Horizontal	150	0	29.40	-1.01	Pass
2	1380.74	26.13	Average	Vertical	150	0	29.40	-3.27	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610-1990 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	32.57	Average	Horizontal	150	0	41.40	-8.83	Pass
2	1680.06	26.28	Average	Vertical	150	0	41.40	-15.12	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990-3100 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	3100.00	29.20	Average	Horizontal	150	0	43.40	-14.20	Pass
2	3035.49	26.90	Average	Vertical	150	0	43.40	-16.50	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100-10600 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	3265.33	55.51	Average	Horizontal	150	0	63.40	-7.89	Pass
2	3550.90	53.98	Average	Vertical	150	0	63.40	-9.42	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600-18000 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.05	Average	Horizontal	150	0	43.4	-4.35	Pass
2	17896.19	39.05	Average	Vertical	150	0	43.4	-4.35	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Membrane Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	4.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3960.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1019.91	28.52	Average	Horizontal	150	0	29.4	-0.88	Pass
2	1500.58	26.32	Average	Vertical	150	0	29.4	-3.08	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610-1990 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	32.55	Average	Horizontal	150	0	41.40	-8.85	Pass
2	1680.06	26.31	Average	Vertical	150	0	41.40	-15.09	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990-3100 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	27.99	Average	Horizontal	150	0	43.40	-15.41	Pass
2	3035.49	26.90	Average	Vertical	150	0	43.40	-16.50	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100-10600 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3746.92	56.07	Average	Horizontal	150	0	63.40	-7.33	Pass
2	3791.38	48.17	Average	Vertical	150	0	63.40	-15.23	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600-18000 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	38.96	Average	Horizontal	150	0	43.4	-4.44	Pass
2	17896.19	39.13	Average	Vertical	150	0	43.4	-4.27	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

Equipment Configuration for Spurious Emissions

Antenna:	Membrane Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	4.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	4488.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1019.91	28.39	Average	Horizontal	150	0	29.4	-1.01	Pass
2	1299.49	26.24	Average	Vertical	150	0	29.4	-3.16	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610-1990 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	32.49	Average	Horizontal	150	0	41.40	-8.91	Pass
2	1680.06	26.37	Average	Vertical	150	0	41.40	-15.03	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990-3100 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	28.03	Average	Horizontal	150	0	43.40	-15.37	Pass
2	3035.49	26.74	Average	Vertical	150	0	43.40	-16.66	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100-10600 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4422.64	52.51	Average	Horizontal	150	0	63.40	-10.89	Pass
2	4332.46	47.18	Average	Vertical	150	0	63.40	-16.22	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600-18000 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	38.96	Average	Horizontal	150	0	43.4	-4.44	Pass
2	17896.19	39.13	Average	Vertical	150	0	43.4	-4.27	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.1.2. Band 3

Equipment Configuration for Spurious Emissions			
Antenna:	Membrane Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	12.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	6600.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.91	28.58	Average	Horizontal	150	0	29.4	-0.82	Pass
2	1380.07	26.85	Average	Vertical	150	0	29.4	-2.55	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610-1990 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	33.38	Average	Horizontal	150	0	41.40	-8.02	Pass
2	1680.06	27.10	Average	Vertical	150	0	41.40	-14.30	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990-3100 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2730.74	28.91	Average	Horizontal	150	0	43.40	-14.49	Pass
2	3091.10	27.15	Average	Vertical	150	0	43.40	-16.25	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100-10600 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	6752.30	54.19	Average	Horizontal	150	0	63.40	-9.21	Pass
2	6737.27	36.43	Average	Vertical	150	0	63.40	-26.97	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600-18000 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.98	Average	Horizontal	150	0	43.4	-3.42	Pass
2	17896.19	39.98	Average	Vertical	150	0	43.4	-3.42	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Membrane Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	12.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7128.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1019.91	28.71	Average	Horizontal	150	0	29.4	-0.69	Pass
2	1380.74	26.82	Average	Vertical	150	0	29.4	-2.58	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610-1990 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	33.47	Average	Horizontal	150	0	41.40	-7.93	Pass
2	1680.06	27.13	Average	Vertical	150	0	41.40	-14.27	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990-3100 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	28.87	Average	Horizontal	150	0	43.40	-14.53	Pass
2	3033.26	27.30	Average	Vertical	150	0	43.40	-16.10	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100-10600 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	7338.47	55.03	Average	Horizontal	150	0	63.40	-8.37	Pass
2	7353.50	38.51	Average	Vertical	150	0	63.40	-24.89	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600-18000 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.98	Average	Horizontal	150	0	43.4	-3.42	Pass
2	17896.19	39.90	Average	Vertical	150	0	43.4	-3.50	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.1.3. Bands 3 & 6

Equipment Configuration for Spurious Emissions			
Antenna:	Membrane Patch	**Variant:**	Band Group 3/6
Antenna Gain (dBi):	12.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7656.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.91	28.65	Average	Horizontal	150	0	29.4	-0.75	Pass
2	1380.74	26.80	Average	Vertical	150	0	29.4	-2.60	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610-1990 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	33.44	Average	Horizontal	150	0	41.40	-7.96	Pass
2	1680.06	26.94	Average	Vertical	150	0	41.40	-14.46	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990-3100 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2730.74	29.02	Average	Horizontal	150	0	43.40	-14.38	Pass
2	3035.49	27.20	Average	Vertical	150	0	43.40	-16.20	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100-10600 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	7578.95	56.31	Average	Horizontal	150	0	63.40	-7.09	Pass
2	7503.80	41.25	Average	Vertical	150	0	63.40	-22.15	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600-18000 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.98	Average	Horizontal	150	0	43.4	-3.42	Pass
2	17896.19	39.98	Average	Vertical	150	0	43.4	-3.42	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.1.4. Band 6

Equipment Configuration for Spurious Emissions			
Antenna:	Membrane Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.91	28.71	Average	Horizontal	150	0	29.4	-0.69	Pass
2	1380.74	26.63	Average	Vertical	150	0	29.4	-2.77	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610-1990 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	33.27	Average	Horizontal	150	0	41.40	-8.13	Pass
2	1680.06	26.96	Average	Vertical	150	0	41.40	-14.44	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990-3100 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2730.74	28.87	Average	Horizontal	150	0	43.40	-14.53	Pass
2	1990.00	25.58	Average	Vertical	150	0	43.40	-17.82	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100-10600 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	8150.10	56.84	Average	Horizontal	150	0	63.40	-6.56	Pass
2	8150.10	41.42	Average	Vertical	150	0	63.40	-21.98	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600-18000 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.98	Average	Horizontal	150	0	43.4	-3.42	Pass
2	17896.19	39.75	Average	Vertical	150	0	43.4	-3.65	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Membrane Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8712.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1019.91	28.63	Average	Horizontal	150	0	29.4	-0.77	Pass
2	1380.74	26.74	Average	Vertical	150	0	29.4	-2.66	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610-1990 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	33.31	Average	Horizontal	150	0	41.40	-8.09	Pass
2	1680.06	28.73	Average	Vertical	150	0	41.40	-12.67	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990-3100 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	28.72	Average	Horizontal	150	0	43.40	-14.68	Pass
2	3035.49	27.40	Average	Vertical	150	0	43.40	-16.00	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100-10600 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	8585.97	55.69	Average	Horizontal	150	0	63.40	-7.71	Pass
2	8540.88	37.68	Average	Vertical	150	0	63.40	-25.72	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600-18000 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.83	Average	Horizontal	150	0	43.4	-3.57	Pass
2	17896.19	39.90	Average	Vertical	150	0	43.4	-3.50	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.2. Left Patch Antenna

9.3.2.5. Band 1

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	-2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3432.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1065.51	28.39	Average	Horizontal	150	0	29.40	-1.01	Pass
2	1065.51	27.98	Average	Vertical	150	0	29.40	-1.42	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	33.49	Average	Horizontal	150	0	41.40	-7.91	Pass
2	1984.67	26.13	Average	Vertical	150	0	41.40	-15.27	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2730.74	29.35	Average	Horizontal	150	0	43.40	-14.05	Pass
2	3095.55	27.74	Average	Vertical	150	0	43.40	-15.66	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	3641.08	52.83	Average	Horizontal	150	0	63.40	-10.57	Pass
2	3550.90	48.56	Average	Vertical	150	0	63.40	-14.84	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.37	Average	Horizontal	150	0	43.40	-4.03	Pass
2	17896.19	39.37	Average	Vertical	150	0	43.40	-4.03	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	-2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3960.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1065.51	28.06	Average	Horizontal	150	0	29.40	-1.34	Pass
2	1065.51	27.92	Average	Vertical	150	0	29.40	-1.48	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	33.58	Average	Horizontal	150	0	41.40	-7.82	Pass
2	1680.06	28.51	Average	Vertical	150	0	41.40	-12.89	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	29.35	Average	Horizontal	150	0	43.40	-14.05	Pass
2	3042.16	27.47	Average	Vertical	150	0	43.40	-15.93	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3761.32	55.47	Average	Horizontal	150	0	63.40	-7.93	Pass
2	3550.90	27.89	Average	Vertical	150	0	63.40	-35.51	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.37	Average	Horizontal	150	0	43.40	-4.03	Pass
2	17896.19	39.29	Average	Vertical	150	0	43.40	-4.11	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	-2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	4488.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1065.51	27.86	Average	Horizontal	150	0	29.40	-1.54	Pass
2	1065.51	27.65	Average	Vertical	150	0	29.40	-1.75	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	33.38	Average	Horizontal	150	0	41.40	-8.02	Pass
2	1898.62	26.14	Average	Vertical	150	0	41.40	-15.26	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	29.39	Average	Horizontal	150	0	43.40	-14.01	Pass
2	3042.16	27.28	Average	Vertical	150	0	43.40	-16.12	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4603.01	53.94	Average	Horizontal	150	0	63.40	-9.46	Pass
2	4708.22	49.08	Average	Vertical	150	0	63.40	-14.32	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.29	Average	Horizontal	150	0	43.40	-4.11	Pass
2	17896.19	39.13	Average	Vertical	150	0	43.40	-4.27	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.2.6. Band 3

Equipment Configuration for Spurious Emissions			
Antenna:	Left Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	6600.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1259.60	28.07	Average	Horizontal	150	0	29.40	-1.33	Pass
2	1065.51	29.36	Average	Vertical	150	0	29.40	-0.04	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1637.41	29.39	Average	Horizontal	150	0	41.40	-12.01	Pass
2	1985.43	26.23	Average	Vertical	150	0	41.40	-15.17	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2365.93	28.08	Average	Horizontal	150	0	43.40	-15.32	Pass
2	2626.19	27.43	Average	Vertical	150	0	43.40	-15.97	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	6752.30	54.73	Average	Horizontal	150	0	63.40	-8.67	Pass
2	6662.12	53.06	Average	Vertical	150	0	63.40	-10.34	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.21	Average	Horizontal	150	0	43.40	-4.19	Pass
2	17896.19	39.21	Average	Vertical	150	0	43.40	-4.19	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7128.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1065.51	28.93	Average	Horizontal	150	0	29.40	-0.47	Pass
2	1065.51	29.01	Average	Vertical	150	0	29.40	-0.39	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1950.40	29.08	Average	Horizontal	150	0	41.40	-12.32	Pass
2	1983.15	26.17	Average	Vertical	150	0	41.40	-15.23	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2365.93	28.27	Average	Horizontal	150	0	43.40	-15.13	Pass
2	2626.19	27.24	Average	Vertical	150	0	43.40	-16.16	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	7143.09	52.50	Average	Horizontal	150	0	63.40	-10.90	Pass
2	6932.67	47.47	Average	Vertical	150	0	63.40	-15.93	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.13	Average	Horizontal	150	0	43.40	-4.27	Pass
2	17896.19	39.21	Average	Vertical	150	0	43.40	-4.19	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.2.7. Bands 3 & 6

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Groups 3 & 6
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7656.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1065.51	28.97	Average	Horizontal	150	0	29.40	-0.43	Pass
2	1065.51	29.18	Average	Vertical	150	0	29.40	-0.22	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	26.46	Average	Horizontal	150	0	41.40	-14.94	Pass
2	1985.43	26.14	Average	Vertical	150	0	41.40	-15.26	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	28.64	Average	Horizontal	150	0	43.40	-14.76	Pass
2	1990.00	25.99	Average	Vertical	150	0	43.40	-17.41	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	7458.72	53.39	Average	Horizontal	150	0	63.40	-10.01	Pass
2	7488.78	53.01	Average	Vertical	150	0	63.40	-10.39	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.13	Average	Horizontal	150	0	43.40	-4.27	Pass
2	17896.19	39.13	Average	Vertical	150	0	43.40	-4.27	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.2.8. Band *6*

Equipment Configuration for Spurious Emissions			
Antenna:	Left Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	0.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1065.51	28.97	Average	Horizontal	150	0	29.40	-0.43	Pass
2	1065.51	29.06	Average	Vertical	150	0	29.40	-0.34	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	30.69	Average	Horizontal	150	0	41.40	-10.71	Pass
2	1680.06	22.64	Average	Vertical	150	0	41.40	-18.76	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	3037.72	27.05	Average	Horizontal	150	0	43.40	-16.35	Pass
2	3037.72	26.99	Average	Vertical	150	0	43.40	-16.41	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	8390.58	40.17	Average	Horizontal	150	0	63.40	-23.23	Pass
2	8390.58	53.30	Average	Vertical	150	0	63.40	-10.10	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	17896.19	39.92	Average	Horizontal	150	0	43.40	-3.48	Pass
2	17896.19	39.21	Average	Vertical	150	0	43.40	-4.19	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	0.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8712.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1065.51	28.73	Average	Horizontal	150	0	29.40	-0.67	Pass
2	1065.51	28.95	Average	Vertical	150	0	29.40	-0.45	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1897.86	26.30	Average	Horizontal	150	0	41.40	-15.10	Pass
2	1680.06	26.69	Average	Vertical	150	0	41.40	-14.71	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2677.35	27.71	Average	Horizontal	150	0	43.40	-15.69	Pass
2	2677.35	27.16	Average	Vertical	150	0	43.40	-16.24	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	8510.82	49.68	Average	Horizontal	150	0	63.40	-13.72	Pass
2	8555.91	53.09	Average	Vertical	150	0	63.40	-10.31	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.13	Average	Horizontal	150	0	43.40	-4.27	Pass
2	17896.19	39.13	Average	Vertical	150	0	43.40	-4.27	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.3. Right Patch Antenna

9.3.3.9. Band 1

Equipment Configuration for Spurious Emissions

Antenna:	Right Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3432.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	980.12	22.72	Average	Horizontal	150	0	29.40	-6.68	Pass
2	962.00	28.83	Average	Vertical	150	0	29.40	-0.57	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1000.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1380.18	26.96	Average	Horizontal	150	0	29.40	-2.44	Pass
2	1019.56	25.92	Average	Vertical	150	0	29.40	-3.48	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.01	31.62	Average	Horizontal	150	0	41.40	-9.78	Pass
2	1983.15	25.30	Average	Vertical	150	0	41.40	-16.10	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2626.19	27.78	Average	Horizontal	150	0	43.40	-15.62	Pass
2	3095.55	26.71	Average	Vertical	150	0	43.40	-16.69	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3460.72	52.26	Average	Horizontal	150	0	63.40	-11.14	Pass
2	3355.51	49.16	Average	Vertical	150	0	63.40	-14.24	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	38.80	Average	Horizontal	150	0	43.40	-4.6	Pass
2	17896.19	38.80	Average	Vertical	150	0	43.40	-4.6	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3960.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	979.96	22.68	Average	Horizontal	150	0	29.40	-6.72	Pass
2	962.00	28.26	Average	Vertical	150	0	29.40	-1.14	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1000.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.56	27.69	Average	Horizontal	150	0	29.40	-1.71	Pass
2	1019.56	27.35	Average	Vertical	150	0	29.40	-2.05	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	29.41	Average	Horizontal	150	0	41.40	-11.99	Pass
2	1983.91	26.22	Average	Vertical	150	0	41.40	-15.18	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2730.74	30.47	Average	Horizontal	150	0	43.40	-12.93	Pass
2	3042.16	28.07	Average	Vertical	150	0	43.40	-15.33	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	4107.01	53.16	Average	Horizontal	150	0	63.40	-10.24	Pass
2	4107.01	51.83	Average	Vertical	150	0	63.40	-11.57	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	40.20	Average	Horizontal	150	0	43.40	-3.20	Pass
2	17896.19	40.12	Average	Vertical	150	0	43.40	-3.28	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Right Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	4488.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	980.04	22.64	Average	Horizontal	150	0	29.40	-1.71	Pass
2	962.00	28.03	Average	Vertical	150	0	29.40	-1.37	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1000.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1019.56	28.84	Average	Horizontal	150	0	29.40	-0.56	Pass
2	1013.45	29.12	Average	Vertical	150	0	29.40	-0.28	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	31.65	Average	Horizontal	150	0	41.40	-9.75	Pass
2	1983.91	26.72	Average	Vertical	150	0	41.40	-14.68	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	30.18	Average	Horizontal	150	0	43.40	-13.22	Pass
2	3042.16	27.71	Average	Vertical	150	0	43.40	-15.69	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4618.04	50.31	Average	Horizontal	150	0	63.40	-13.09	Pass
2	4287.37	48.56	Average	Vertical	150	0	63.40	-14.84	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	40.12	Average	Horizontal	150	0	43.40	-3.28	Pass
2	17896.19	40.12	Average	Vertical	150	0	43.40	-3.28	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.3.10. Band 3

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	3.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	6600.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	980.04	22.37	Average	Horizontal	150	0	29.40	-7.03	Pass
2	961.92	27.85	Average	Vertical	150	0	29.40	-1.55	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1000.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1380.18	27.77	Average	Horizontal	150	0	29.40	-1.63	Pass
2	1013.45	27.68	Average	Vertical	150	0	29.40	-1.72	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	31.57	Average	Horizontal	150	0	41.40	-9.83	Pass
2	1984.67	26.52	Average	Vertical	150	0	41.40	-14.88	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1990.00	25.86	Average	Horizontal	150	0	43.40	-17.54	Pass
2	3042.16	27.56	Average	Vertical	150	0	43.40	-15.84	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	6662.12	54.77	Average	Horizontal	150	0	63.40	-8.63	Pass
2	6722.24	50.14	Average	Vertical	150	0	63.40	-13.26	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.83	Average	Horizontal	150	0	43.40	-3.57	Pass
2	17896.19	39.83	Average	Vertical	150	0	43.40	-3.57	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	3.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7128.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	981.80	22.49	Average	Horizontal	150	0	29.40	-6.91	Pass
2	961.92	27.70	Average	Vertical	150	0	29.40	-1.70	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1000.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.56	28.04	Average	Horizontal	150	0	29.40	-1.36	Pass
2	1019.56	28.10	Average	Vertical	150	0	29.40	-1.30	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1741.74	28.37	Average	Horizontal	150	0	41.40	-13.03	Pass
2	1988.48	26.71	Average	Vertical	150	0	41.40	-14.69	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2677.35	28.63	Average	Horizontal	150	0	43.40	-14.77	Pass
2	3033.27	27.40	Average	Vertical	150	0	43.40	-16.00	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	7308.42	52.21	Average	Horizontal	150	0	63.40	-11.19	Pass
2	6962.72	47.59	Average	Vertical	150	0	63.40	-15.81	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.75	Average	Horizontal	150	0	43.40	-3.65	Pass
2	17896.19	39.53	Average	Vertical	150	0	43.40	-3.87	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.3.11. Bands 3 & 6

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Groups 3 & 6
Antenna Gain (dBi):	3.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7656.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	983.00	22.49	Average	Horizontal	150	0	29.40	-6.91	Pass
2	961.92	27.74	Average	Vertical	150	0	29.40	-1.66	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1000.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1019.55	28.71	Average	Horizontal	150	0	29.40	-0.69	Pass
2	1013.44	28.25	Average	Vertical	150	0	29.40	-1.15	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1986.95	26.41	Average	Horizontal	150	0	41.40	-14.99	Pass
2	1984.66	26.60	Average	Vertical	150	0	41.40	-14.80	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	3033.26	27.25	Average	Horizontal	150	0	43.40	-16.15	Pass
2	3031.04	27.31	Average	Vertical	150	0	43.40	-16.09	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	7488.77	55.01	Average	Horizontal	150	0	63.40	-8.39	Pass
2	7804.40	52.73	Average	Vertical	150	0	63.40	-10.67	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.68	Average	Horizontal	150	0	43.40	-3.72	Pass
2	17896.19	39.75	Average	Vertical	150	0	43.40	-3.65	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.3.12. Band 6

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	1.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	980.36	22.29	Average	Horizontal	150	0	29.40	-6.50	Pass
2	962.00	27.83	Average	Vertical	150	0	29.40	-1.57	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1000.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1380.18	28.17	Average	Horizontal	150	0	29.40	-1.23	Pass
2	1013.45	26.68	Average	Vertical	150	0	29.40	-2.72	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1610.00– 1990.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1680.06	32.89	Average	Horizontal	150	0	41.40	-8.51	Pass
2	1956.49	26.29	Average	Vertical	150	0	41.40	-15.11	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1990.00– 3100.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	2730.74	29.50	Average	Horizontal	150	0	43.40	-13.90	Pass
2	3035.49	27.30	Average	Vertical	150	0	43.40	-16.10	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

3100.00– 10600.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	8029.86	52.70	Average	Horizontal	150	0	63.40	-10.70	Pass
2	8360.52	48.72	Average	Vertical	150	0	63.40	-14.68	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.53	Average	Horizontal	150	0	43.40	-3.87	Pass
2	17896.19	39.37	Average	Vertical	150	0	43.40	-4.03	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Right Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	1.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8712.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

960.00– 1000.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	981.80	22.60	Average	Horizontal	150	0	29.40	-6.80	Pass
2	962.00	27.72	Average	Vertical	150	0	29.40	-1.68	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1000.00– 1610.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1380.18	28.28	Average	Horizontal	150	0	29.40	-1.12	Pass
2	1013.45	28.80	Average	Vertical	150	0	29.40	-0.60	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1610.00– 1990.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	1680.06	32.82	Average	Horizontal	150	0	41.40	-8.58	Pass
2	1985.43	26.31	Average	Vertical	150	0	41.40	-15.09	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1990.00– 3100.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	2730.74	29.53	Average	Horizontal	150	0	43.40	-13.87	Pass
2	3031.04	27.16	Average	Vertical	150	0	43.40	-16.24	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

3100.00– 10600.00 MHz

Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	8555.91	54.14	Average	Horizontal	150	0	63.40	-9.26	Pass
2	8360.52	31.48	Average	Vertical	150	0	63.40	-31.92	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

10600.00– 18000.00 MHz									
Num	Frequency MHz	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	17896.19	39.53	Average	Horizontal	150	0	43.40	-3.87	Pass
2	17896.19	39.45	Average	Vertical	150	0	43.40	-3.95	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.4. Membrane Patch Antenna GPS Emissions

9.3.4.13. Band 1

Equipment Configuration for Spurious Emissions GPS			
Antenna:	Membrane Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	4.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3432.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1232.08	5.93	Average	Horizontal	150	0	19.47	-13.54	Pass
2	1199.94	7.67	Average	Vertical	150	0	19.47	-11.8	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	9.61	Average	Horizontal	150	0	19.47	-9.86	Pass
2	1559.91	9.23	Average	Vertical	150	0	19.47	-10.24	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions GPS			
Antenna:	Membrane Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	4.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3960.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.93	7.58	Average	Horizontal	150	0	19.47	-11.89	Pass
2	1199.94	6.73	Average	Vertical	150	0	19.47	-12.74	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	10.65	Average	Horizontal	150	0	19.47	-8.82	Pass
2	1559.91	9.23	Average	Vertical	150	0	19.47	-10.24	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions GPS			
Antenna:	Membrane Patch	**Variant:**	Band Group 1
Antenna Gain (dBi):	4.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	4488.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.93	7.80	Average	Horizontal	150	0	19.47	-11.67	Pass
2	1169.93	6.64	Average	Vertical	150	0	19.47	-12.83	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	9.97	Average	Horizontal	150	0	19.47	-9.50	Pass
2	1559.91	9.04	Average	Vertical	150	0	19.47	-10.43	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.4.14. Band 3

Equipment Configuration for Spurious Emissions GPS

Antenna:	Membrane Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	12.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	6600.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1165.06	8.19	Average	Horizontal	150	0	19.47	-11.28	Pass
2	1169.93	6.13	Average	Vertical	150	0	19.47	-13.34	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	9.42	Average	Horizontal	150	0	19.47	-10.05	Pass
2	1559.91	9.97	Average	Vertical	150	0	19.47	-9.50	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions GPS			
Antenna:	Membrane Patch	**Variant:**	Band Group 3
Antenna Gain (dBi):	12.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7128.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.02	6.88	Average	Horizontal	150	0	19.47	-12.59	Pass
2	1169.93	7.13	Average	Vertical	150	0	19.47	-12.34	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1585.98	8.94	Average	Horizontal	150	0	19.47	-10.53	Pass
2	1559.91	10.49	Average	Vertical	150	0	19.47	-8.98	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.4.15. Bands 3 & 6

Equipment Configuration for Spurious Emissions GPS

Antenna:	Membrane Patch	**Variant:**	Band Group 3/6
Antenna Gain (dBi):	12.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7656.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.93	6.13	Average	Horizontal	150	0	19.47	-13.34	Pass
2	1169.93	6.89	Average	Vertical	150	0	19.47	-12.58	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	8.63	Average	Horizontal	150	0	19.47	-10.84	Pass
2	1559.91	9.42	Average	Vertical	150	0	19.47	-10.05	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.4.16. Band 6

Equipment Configuration for Spurious Emissions GPS			
Antenna:	Membrane Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.02	6.62	Average	Horizontal	150	0	19.47	-12.85	Pass
2	1199.94	7.21	Average	Vertical	150	0	19.47	-12.26	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	9.42	Average	Horizontal	150	0	19.47	-10.05	Pass
2	1559.91	9.79	Average	Vertical	150	0	19.47	-9.68	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions GPS			
Antenna:	Membrane Patch	**Variant:**	Band Group 6
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8712.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00 – 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.93	6.89	Average	Horizontal	150	0	19.47	-12.58	Pass
2	1169.93	7.13	Average	Vertical	150	0	19.47	-12.34	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00 - 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.91	14.55	Average	Horizontal	150	0	19.47	-4.92	Pass
2	1559.91	9.97	Average	Vertical	150	0	19.47	-9.50	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.5. Left Patch Antenna GPS Emissions

9.3.5.17. Band 1 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 1 GPS
Antenna Gain (dBi):	-2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3432.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.25	Average	Horizontal	150	0	19.47	-10.22	Pass
2	1222.03	9.80	Average	Vertical	150	0	19.47	-9.67	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.29	Average	Horizontal	150	0	19.47	-7.18	Pass
2	1559.92	12.69	Average	Vertical	150	0	19.47	-6.78	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 1 GPS
Antenna Gain (dBi):	-2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3960.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.62	Average	Horizontal	150	0	19.47	-9.85	Pass
2	1222.03	9.62	Average	Vertical	150	0	19.47	-9.85	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	11.29	Average	Horizontal	150	0	19.47	-8.18	Pass
2	1585.98	6.90	Average	Vertical	150	0	19.47	-12.57	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Left Patch	**Variant:**	Band Group 1 GPS
Antenna Gain (dBi):	-2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	4488.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	8.66	Average	Horizontal	150	0	19.47	-10.81	Pass
2	1222.03	10.15	Average	Vertical	150	0	19.47	-9.32	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	11.13	Average	Horizontal	150	0	19.47	-8.34	Pass
2	1589.98	9.33	Average	Vertical	150	0	19.47	-10.14	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.5.18. Band 3 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 3 GPS
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	6600.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.06	Average	Horizontal	150	0	19.47	-10.41	Pass
2	1222.03	9.06	Average	Vertical	150	0	19.47	-10.41	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.43	Average	Horizontal	150	0	19.47	-7.04	Pass
2	1585.98	7.86	Average	Vertical	150	0	19.47	-11.61	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Left Patch	**Variant:**	Band Group 3 GPS
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7128.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.06	Average	Horizontal	150	0	19.47	-10.41	Pass
2	1222.03	9.80	Average	Vertical	150	0	19.47	-9.67	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.69	Average	Horizontal	150	0	19.47	-6.78	Pass
2	1585.98	8.73	Average	Vertical	150	0	19.47	-10.74	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.5.19. Bands 3 & 6 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Groups 3 & 6 GPS
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7656.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.25	Average	Horizontal	150	0	19.47	-10.22	Pass
2	1222.03	9.25	Average	Vertical	150	0	19.47	-10.22	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.56	Average	Horizontal	150	0	19.47	-6.91	Pass
2	1585.98	7.15	Average	Vertical	150	0	19.47	-12.32	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.5.20. Band 6 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Left Patch	**Variant:**	Band Group 6 GPS
Antenna Gain (dBi):	5.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.44	Average	Horizontal	150	0	19.47	-10.03	Pass
2	1222.03	9.25	Average	Vertical	150	0	19.47	-10.22	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.29	Average	Horizontal	150	0	19.47	-7.18	Pass
2	1559.92	8.21	Average	Vertical	150	0	19.47	-11.26	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Left Patch	**Variant:**	Band Group 6 GPS
Antenna Gain (dBi):	Antenna Info Here	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8712.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.80	Average	Horizontal	150	0	19.47	-9.67	Pass
2	1169.94	9.02	Average	Vertical	150	0	19.47	-10.45	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	13.19	Average	Horizontal	150	0	19.47	-6.28	Pass
2	1585.98	6.90	Average	Vertical	150	0	19.47	-12.57	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.6. Right Patch Antenna GPS Emissions

9.3.6.21. Band 1 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Right Patch	**Variant:**	Band Group 1 GPS
Antenna Gain (dBi):	2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3432.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1240.00	5.13	Average	Horizontal	150	0	19.47	-14.34	Pass
2	1236.66	5.70	Average	Vertical	150	0	19.47	-13.77	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.43	Average	Horizontal	150	0	19.47	-7.04	Pass
2	1559.92	6.27	Average	Vertical	150	0	19.47	-13.20	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 1 GPS
Antenna Gain (dBi):	2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	3960.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	10.15	Average	Horizontal	150	0	19.47	-9.32	Pass
2	1238.78	6.00	Average	Vertical	150	0	19.47	-13.47	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1585.98	14.11	Average	Horizontal	150	0	19.47	-5.36	Pass
2	1559.92	14.76	Average	Vertical	150	0	19.47	-4.71	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 1 GPS
Antenna Gain (dBi):	2.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	4488.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.94	9.74	Average	Horizontal	150	0	19.47	-9.73	Pass
2	1222.03	8.46	Average	Vertical	150	0	19.47	-11.01	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.29	Average	Horizontal	150	0	19.47	-7.18	Pass
2	1559.92	6.80	Average	Vertical	150	0	19.47	-12.67	

Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter

9.3.6.22. Band 3 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Right Patch	**Variant:**	Band Group 3 GPS
Antenna Gain (dBi):	3.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	6600.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.80	Average	Horizontal	150	0	19.47	-9.67	Pass
2	1222.03	8.04	Average	Vertical	150	0	19.47	-11.43	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	12.15	Average	Horizontal	150	0	19.47	-7.32	Pass
2	1559.92	6.80	Average	Vertical	150	0	19.47	-12.67	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 3 GPS
Antenna Gain (dBi):	3.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7128.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.94	9.57	Average	Horizontal	150	0	19.47	-9.90	Pass
2	1222.03	7.82	Average	Vertical	150	0	19.47	-11.65	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	13.07	Average	Horizontal	150	0	19.47	-6.40	Pass
2	1559.92	8.63	Average	Vertical	150	0	19.47	-10.84	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.6.23. Bands 3 & 6 GPS

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Groups 3 & 6 GPS
Antenna Gain (dBi):	3.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	7656.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1169.94	8.83	Average	Horizontal	150	0	19.47	-10.64	Pass
2	1222.03	7.82	Average	Vertical	150	0	19.47	-11.65	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	11.58	Average	Horizontal	150	0	19.47	-7.89	Pass
2	1559.92	7.53	Average	Vertical	150	0	19.47	-11.94	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

9.3.6.24. Band 6 GPS

Equipment Configuration for Spurious Emissions

Antenna:	Right Patch	**Variant:**	Band Group 6 GPS
Antenna Gain (dBi):	1.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.25	Average	Horizontal	150	0	19.47	-10.22	Pass
2	1222.03	9.62	Average	Vertical	150	0	19.47	-9.85	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	15.16	Average	Horizontal	150	0	19.47	-4.31	Pass
2	1559.92	15.35	Average	Vertical	150	0	19.47	-4.12	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

Equipment Configuration for Spurious Emissions			
Antenna:	Right Patch	**Variant:**	Band Group 6 GPS
Antenna Gain (dBi):	1.0	**Modulation:**	BPM/BPSK
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99%
Channel Frequency (MHz):	8184.00	**Data Rate:**	200Mbp/s
Power Setting:	Max	**Tested By:**	SB

Test Measurement Results

1164.00– 1240.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1222.03	9.25	Average	Horizontal	150	0	19.47	-10.22	Pass
2	1222.03	9.25	Average	Vertical	150	0	19.47	-10.22	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

1559.00– 1610.00 MHz									
Num	**Frequency MHz**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	1559.92	15.44	Average	Horizontal	150	0	19.47	-4.03	Pass
2	1559.92	15.35	Average	Vertical	150	0	19.47	-4.12	
Test Notes: EUT powered by USB 5.0V, Measurement distance 1 meter									

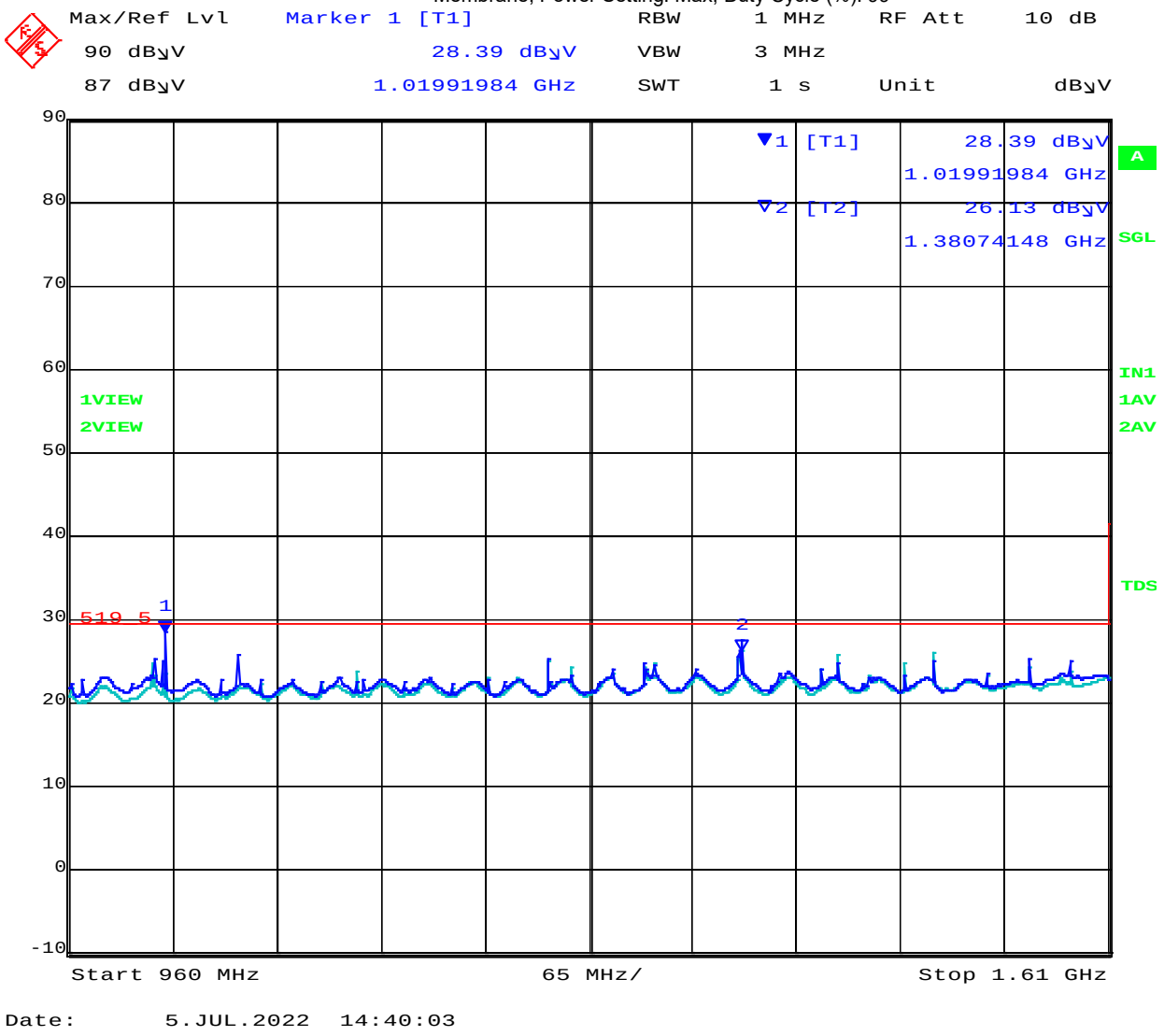
A. APPENDIX - GRAPHICAL IMAGES

A.1 Transmitter Spurious Emissions

A.1.1 Membrane Patch Antenna Band 1

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

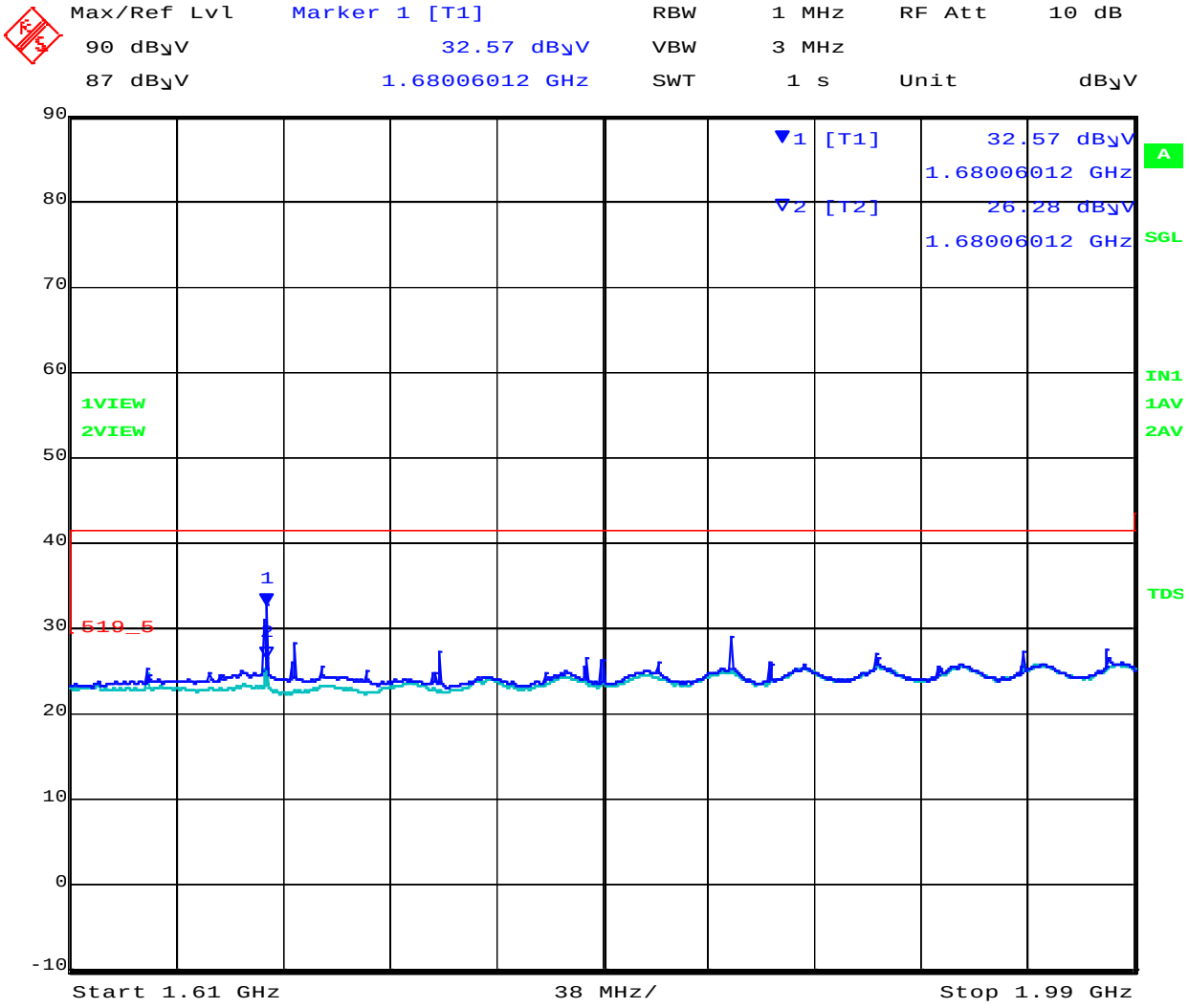
Membrane, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

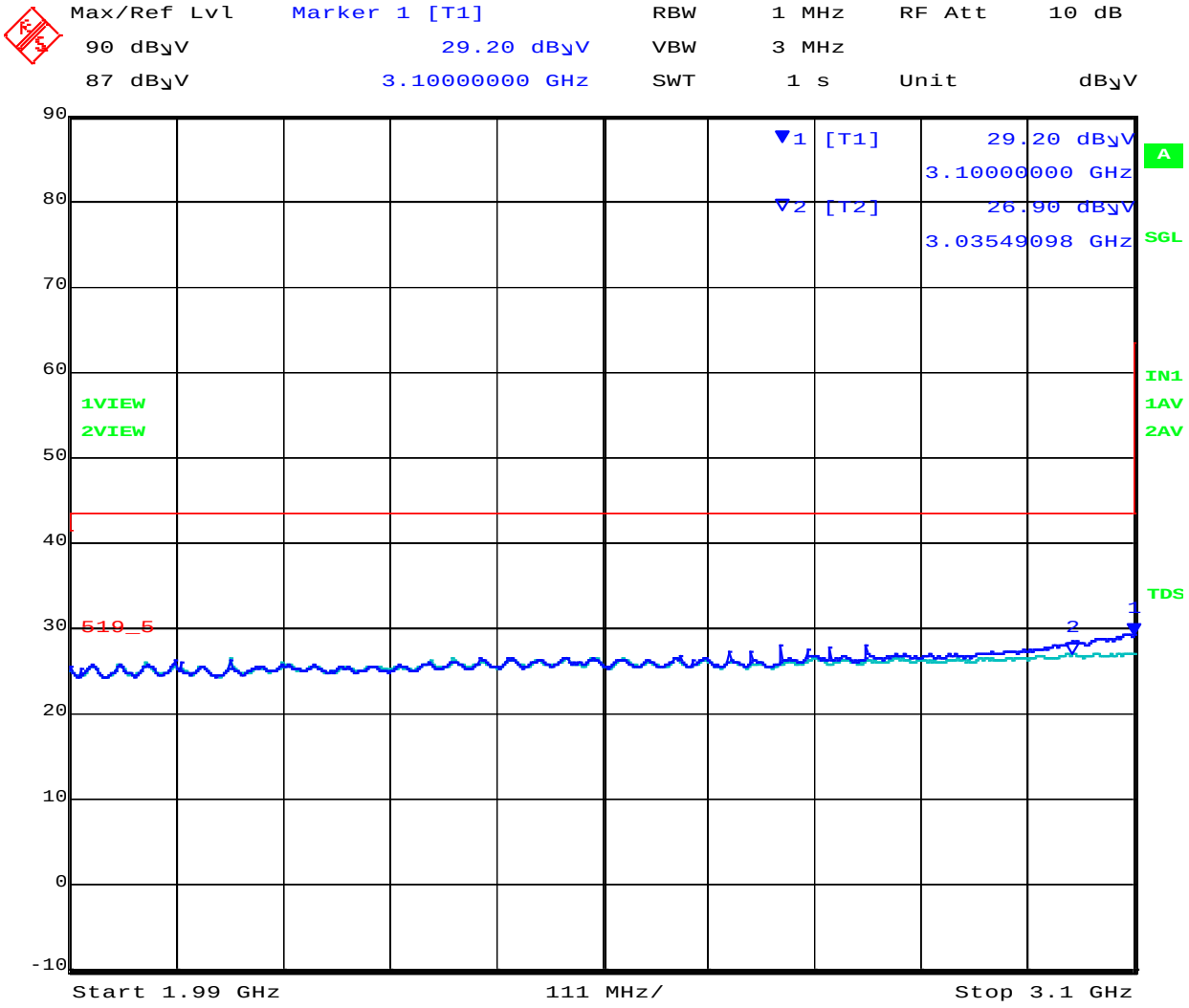


Date: 5.JUL.2022 14:50:00

[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

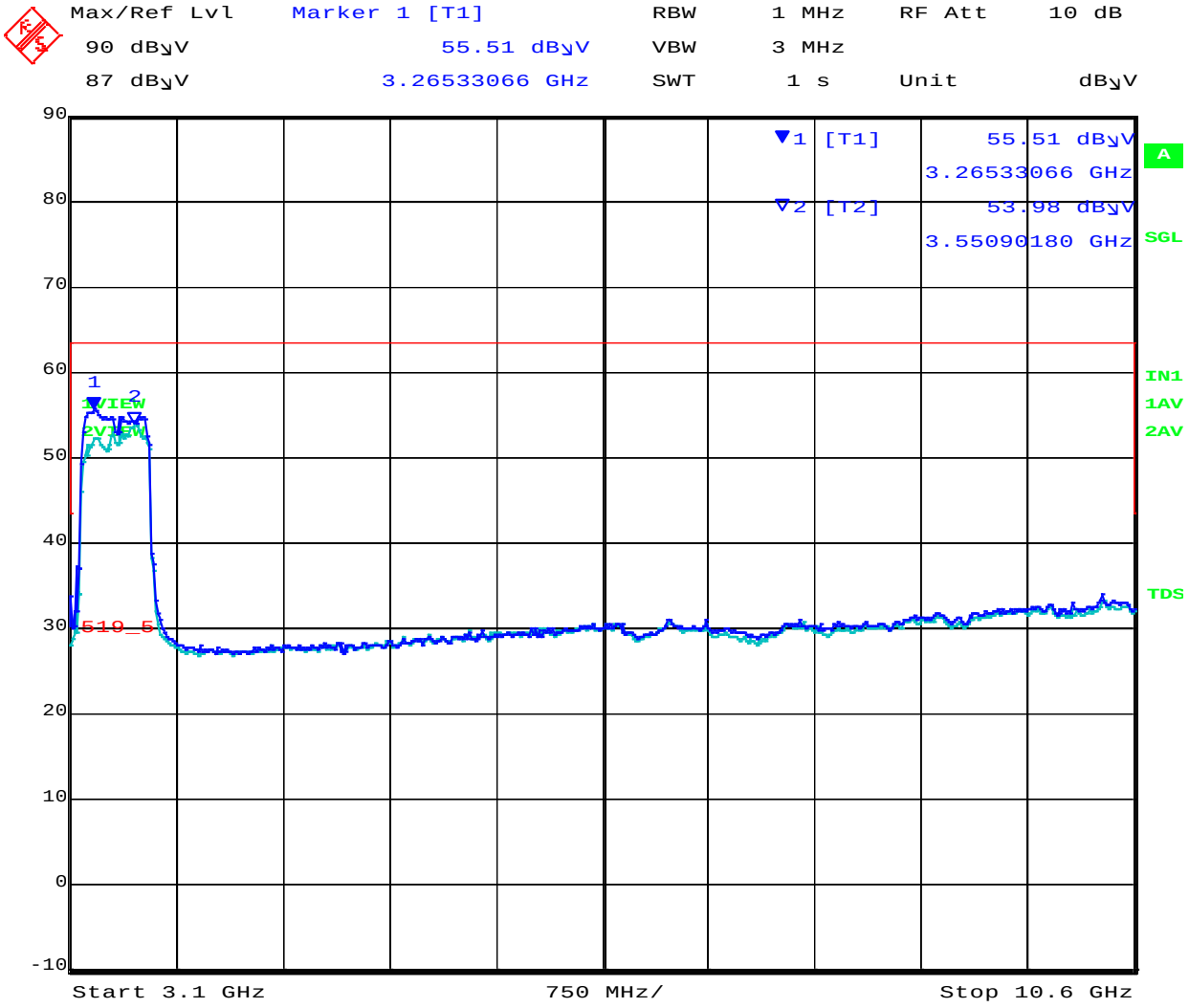


Date: 5.JUL.2022 15:05:39

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

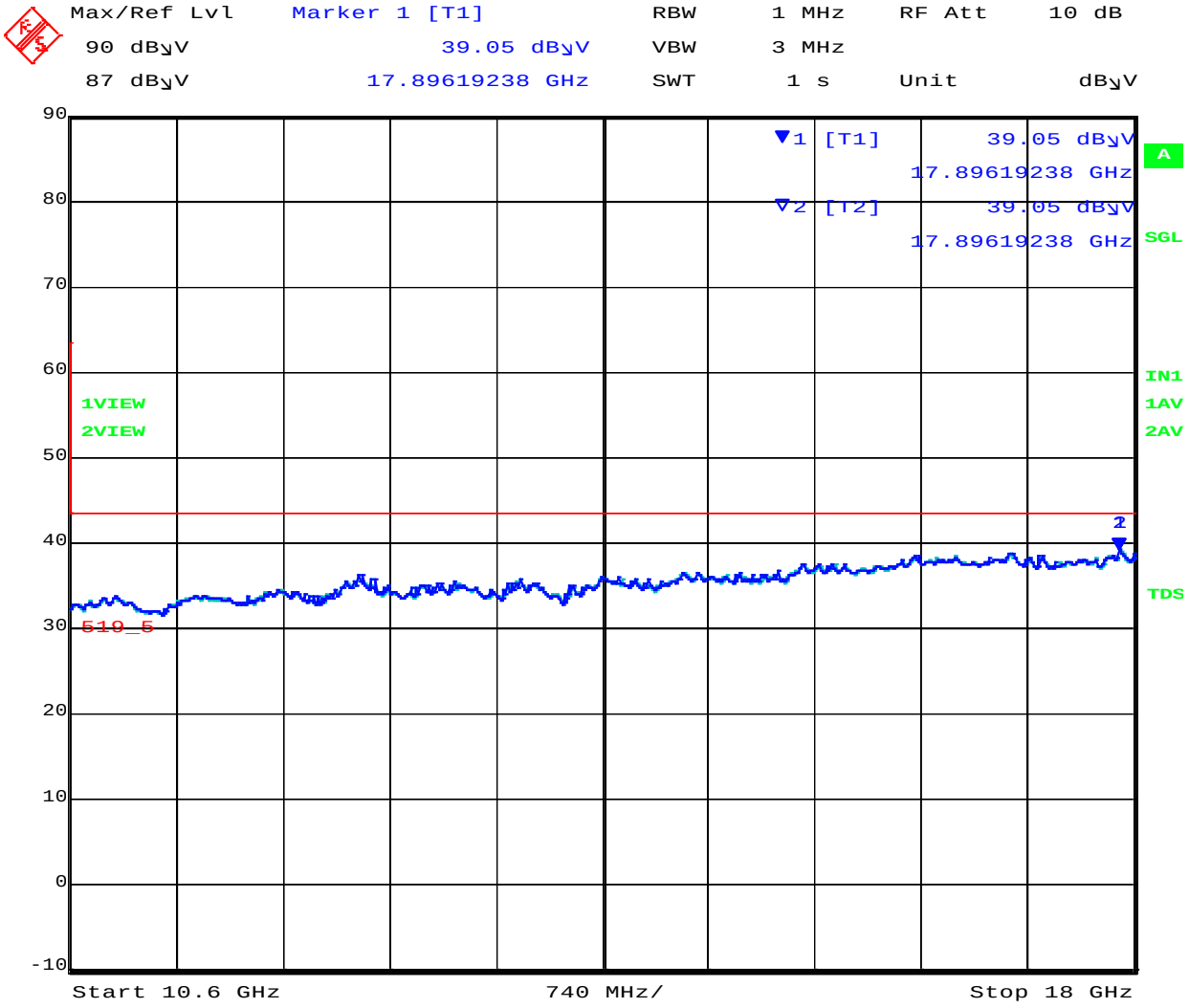


Date: 5.JUL.2022 15:06:19

[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

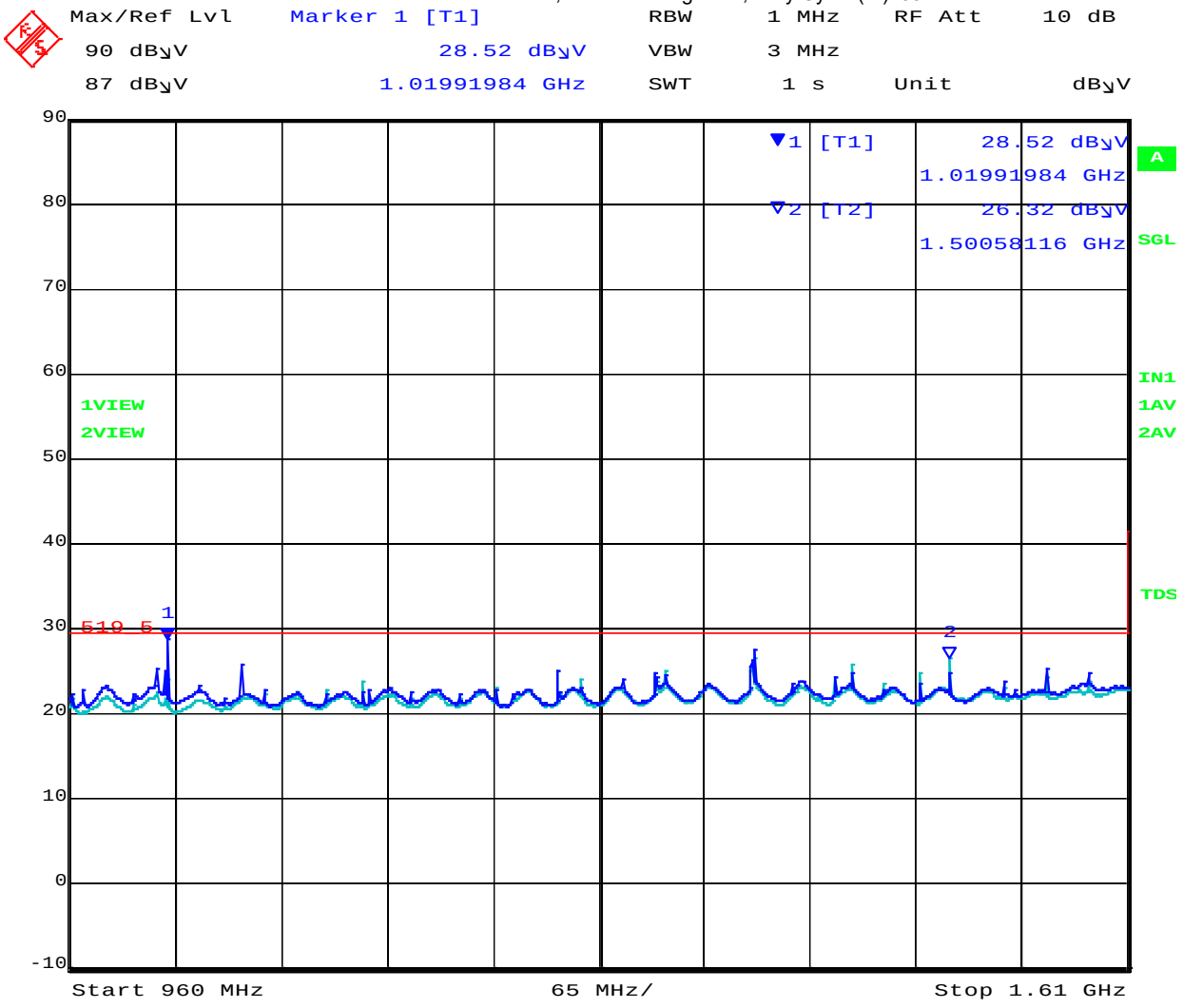


Date: 5.JUL.2022 15:16:40

Back to Matrix

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

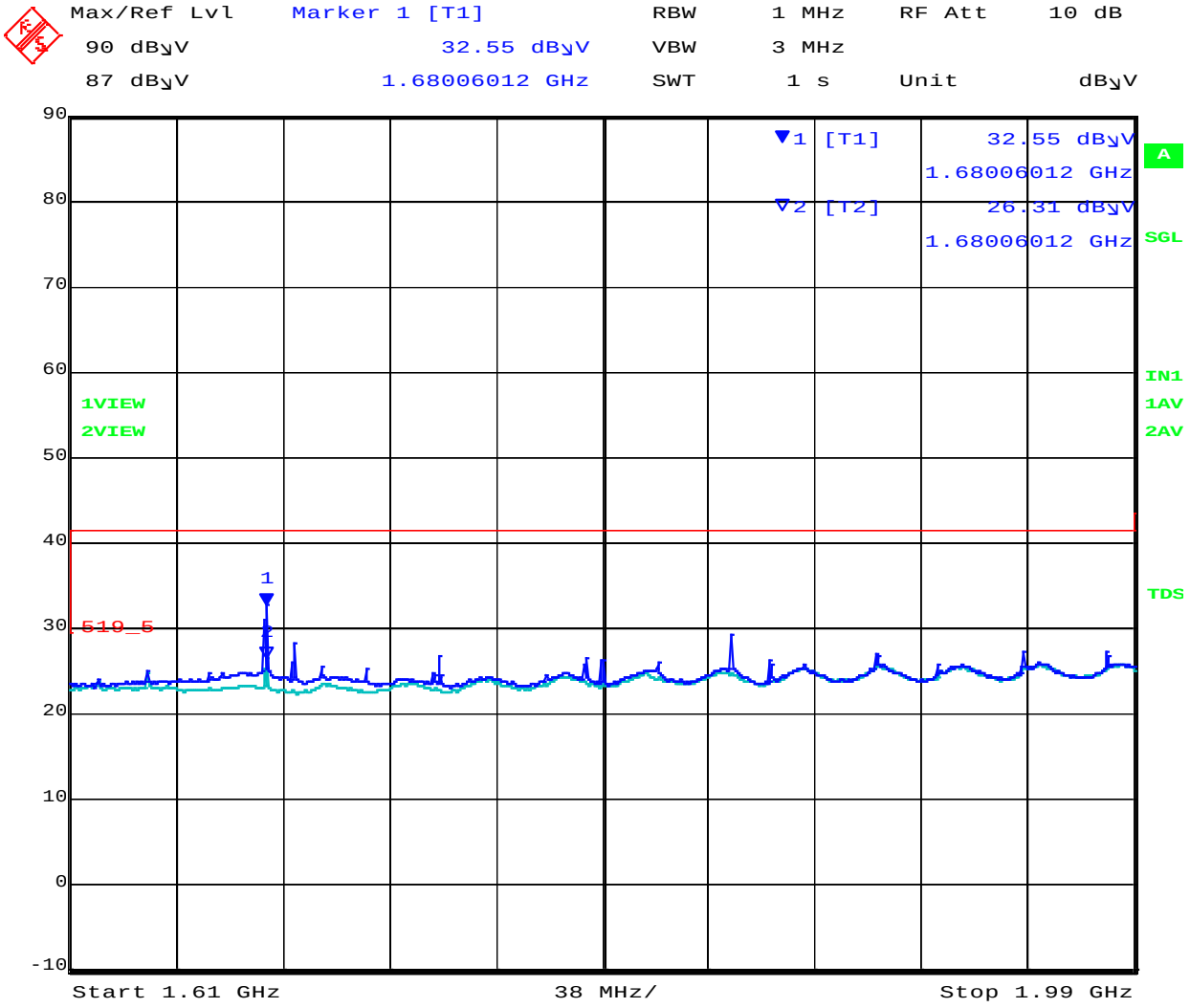


Date: 5.JUL.2022 14:41:13

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

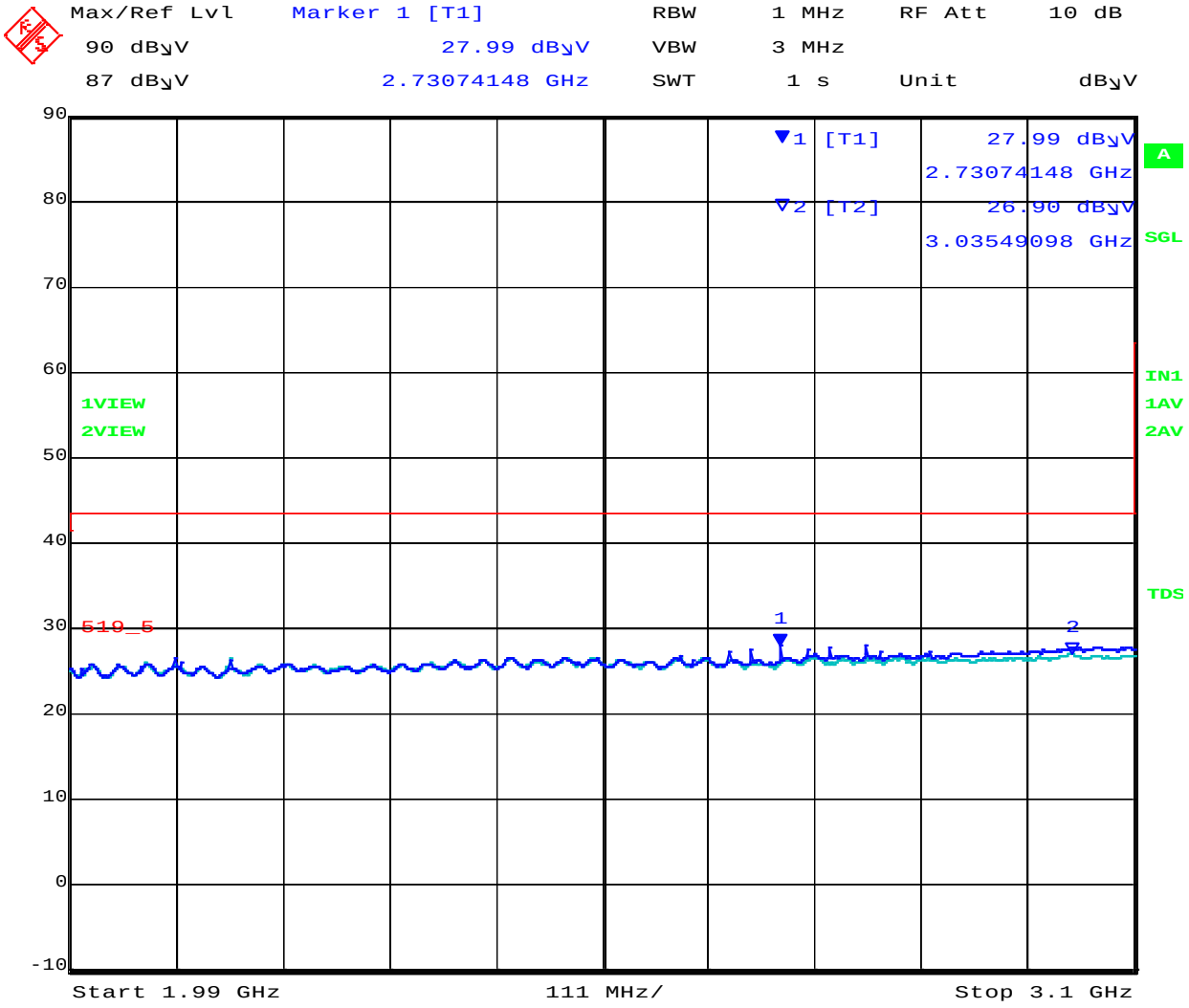


Date: 5.JUL.2022 14:51:37

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

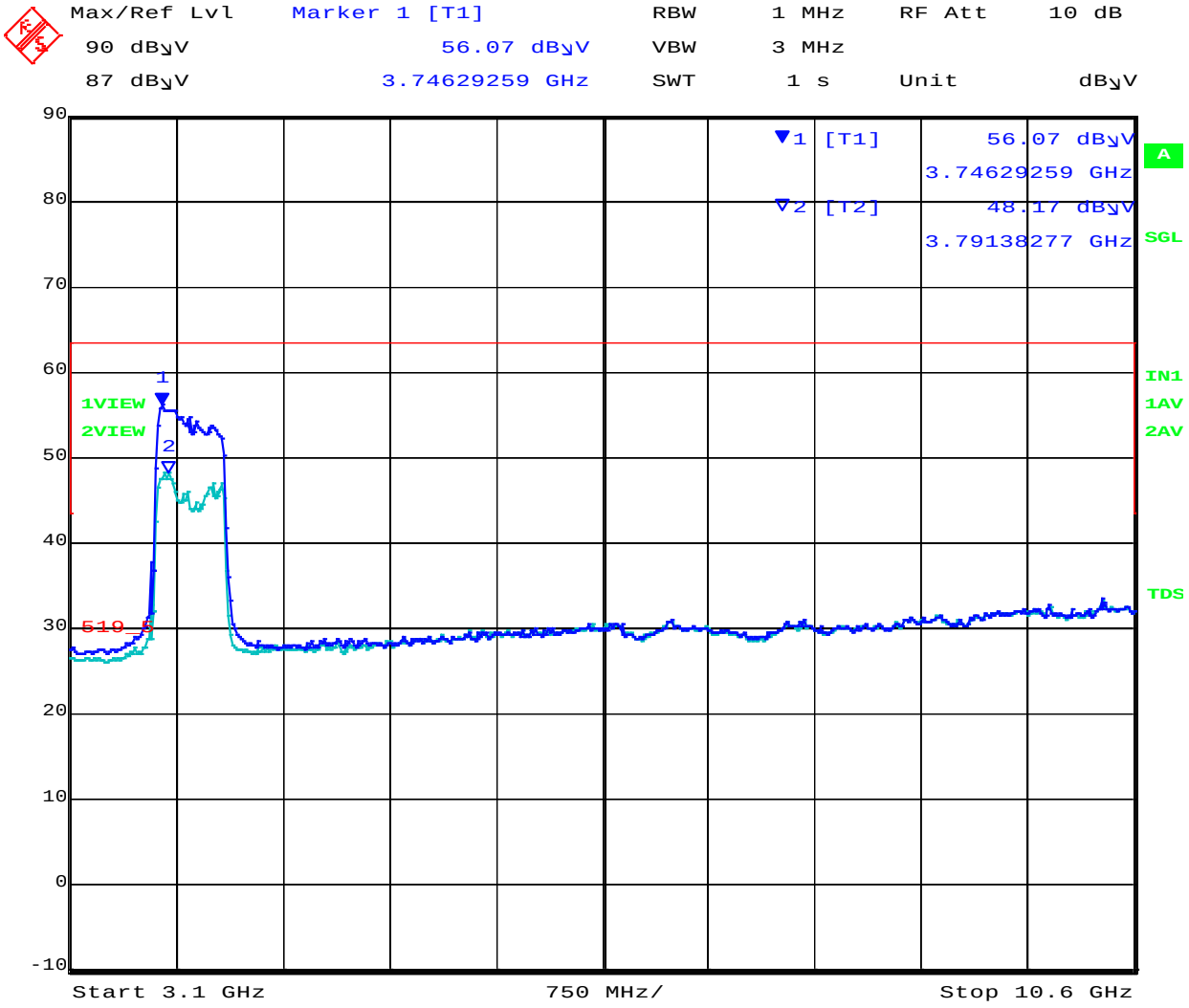


Date: 5.JUL.2022 15:03:14

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

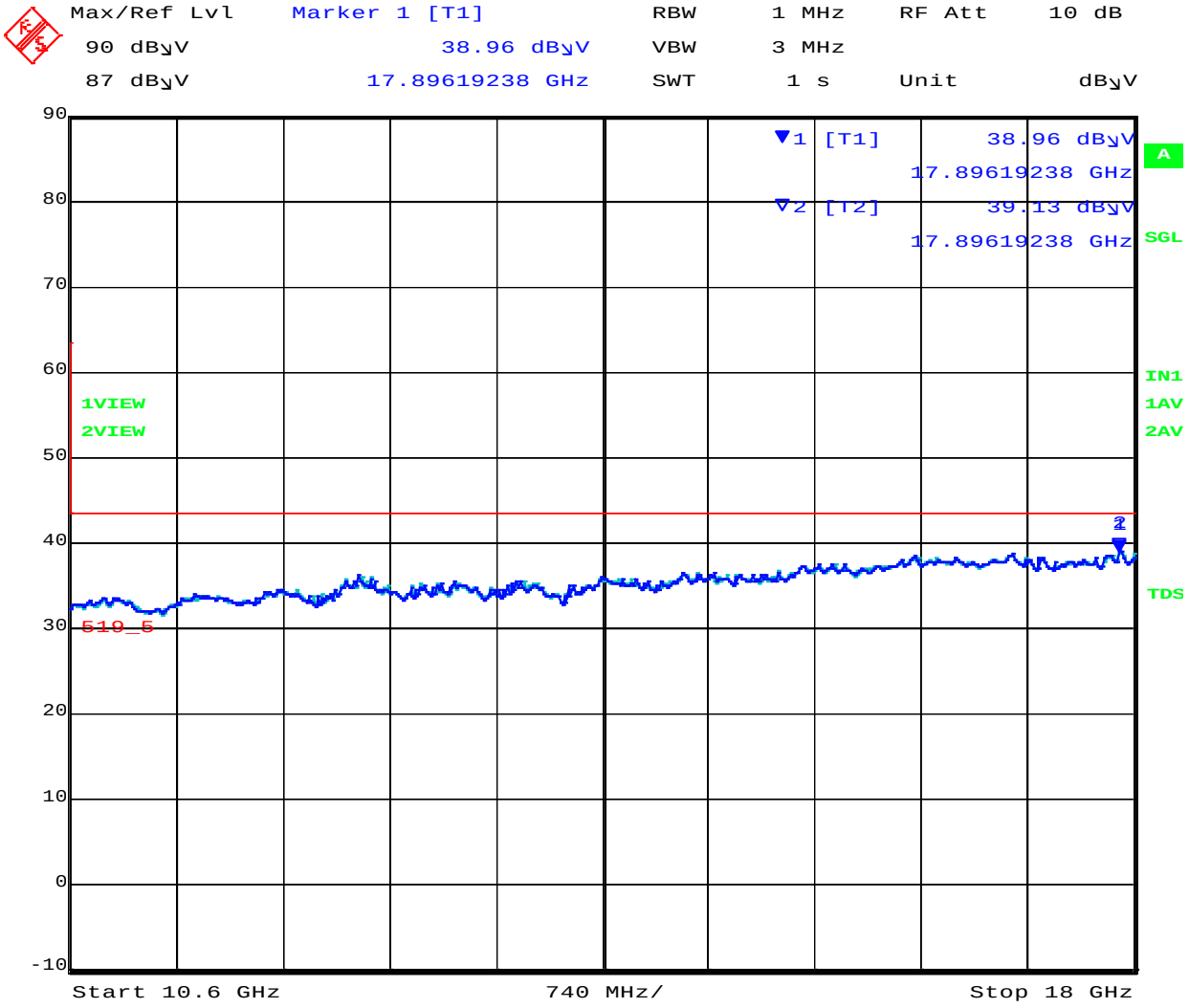


Date: 5.JUL.2022 15:09:28

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

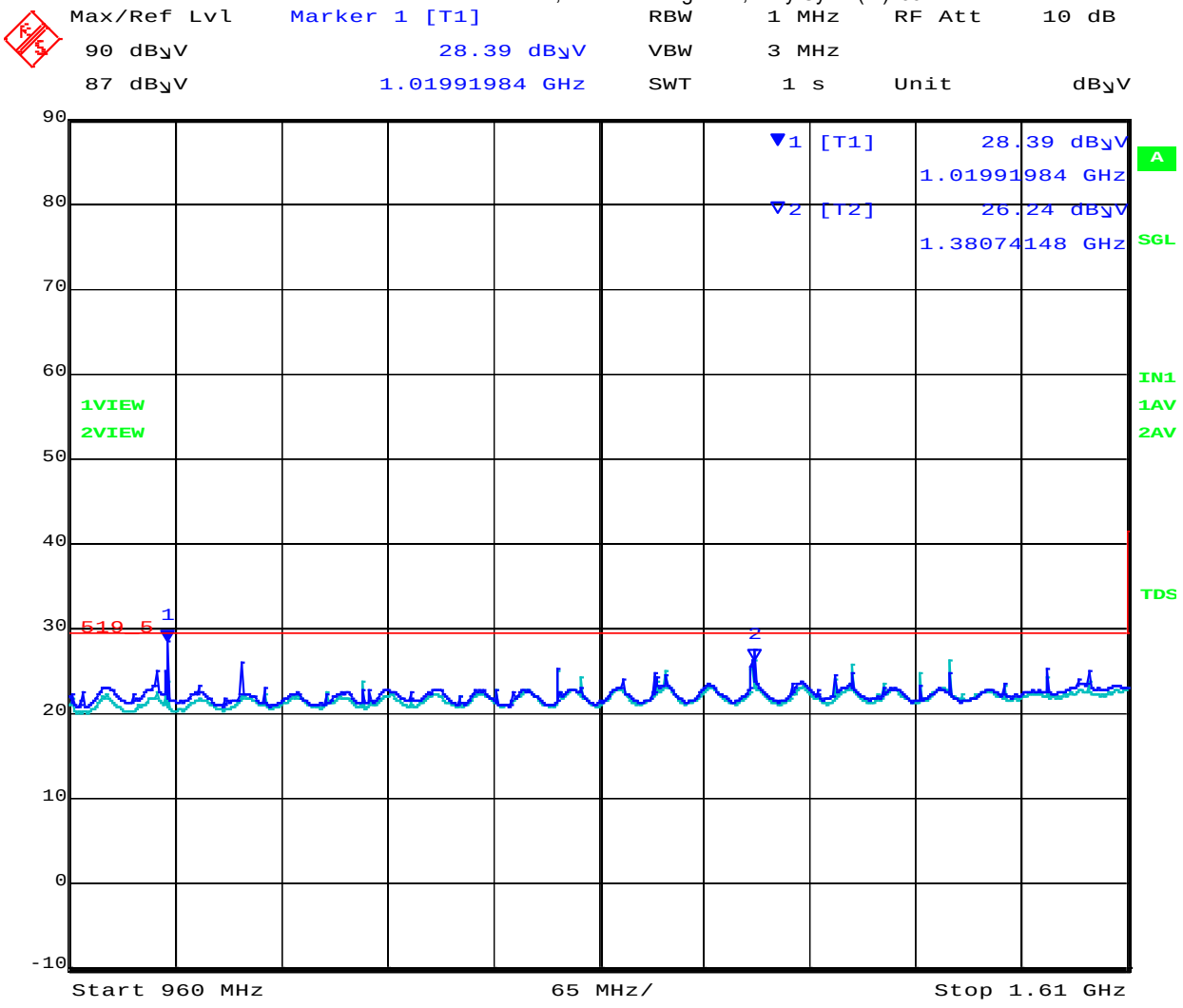


Date: 5.JUL.2022 15:14:34

Back to Matrix

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

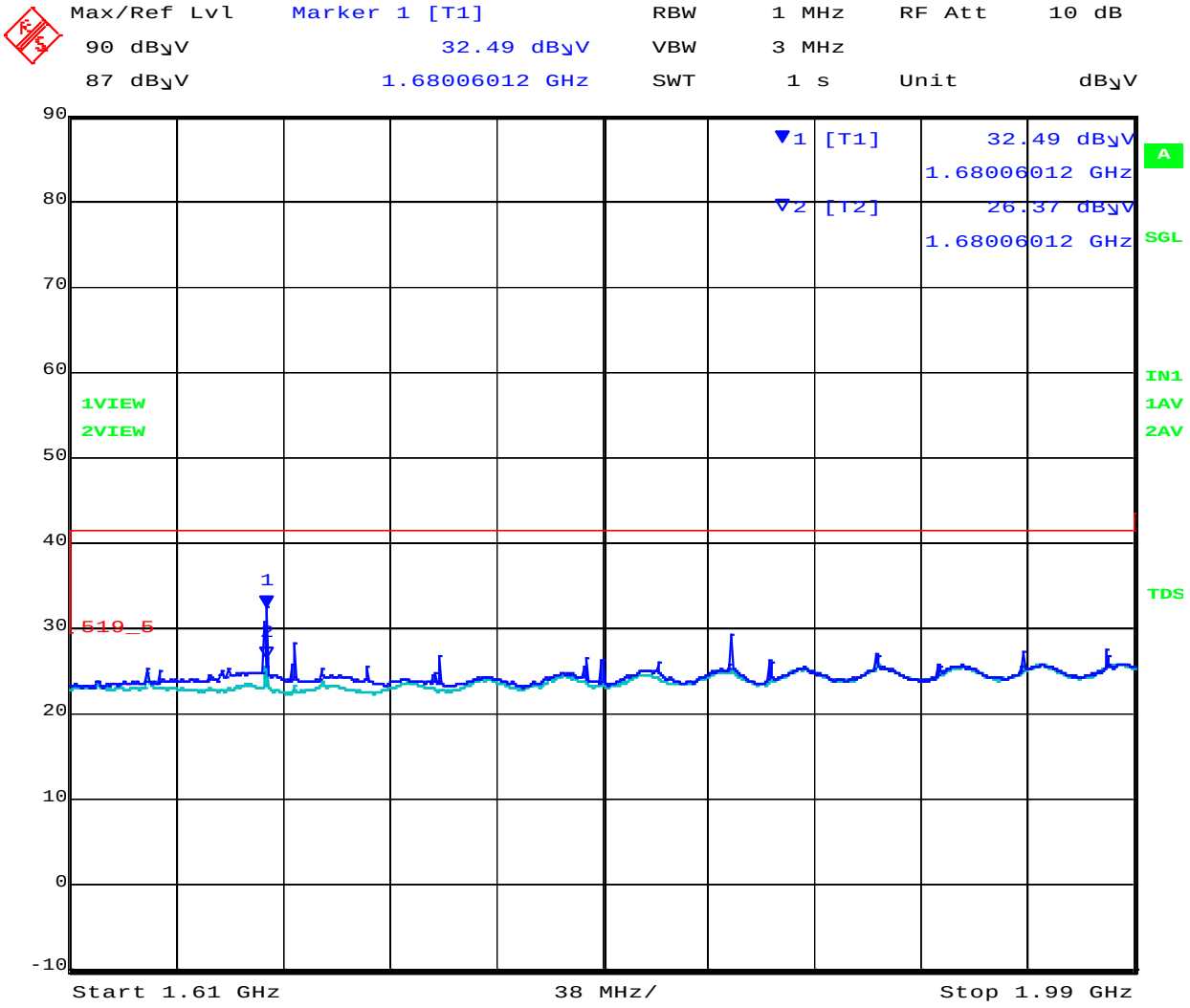
Membrane, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

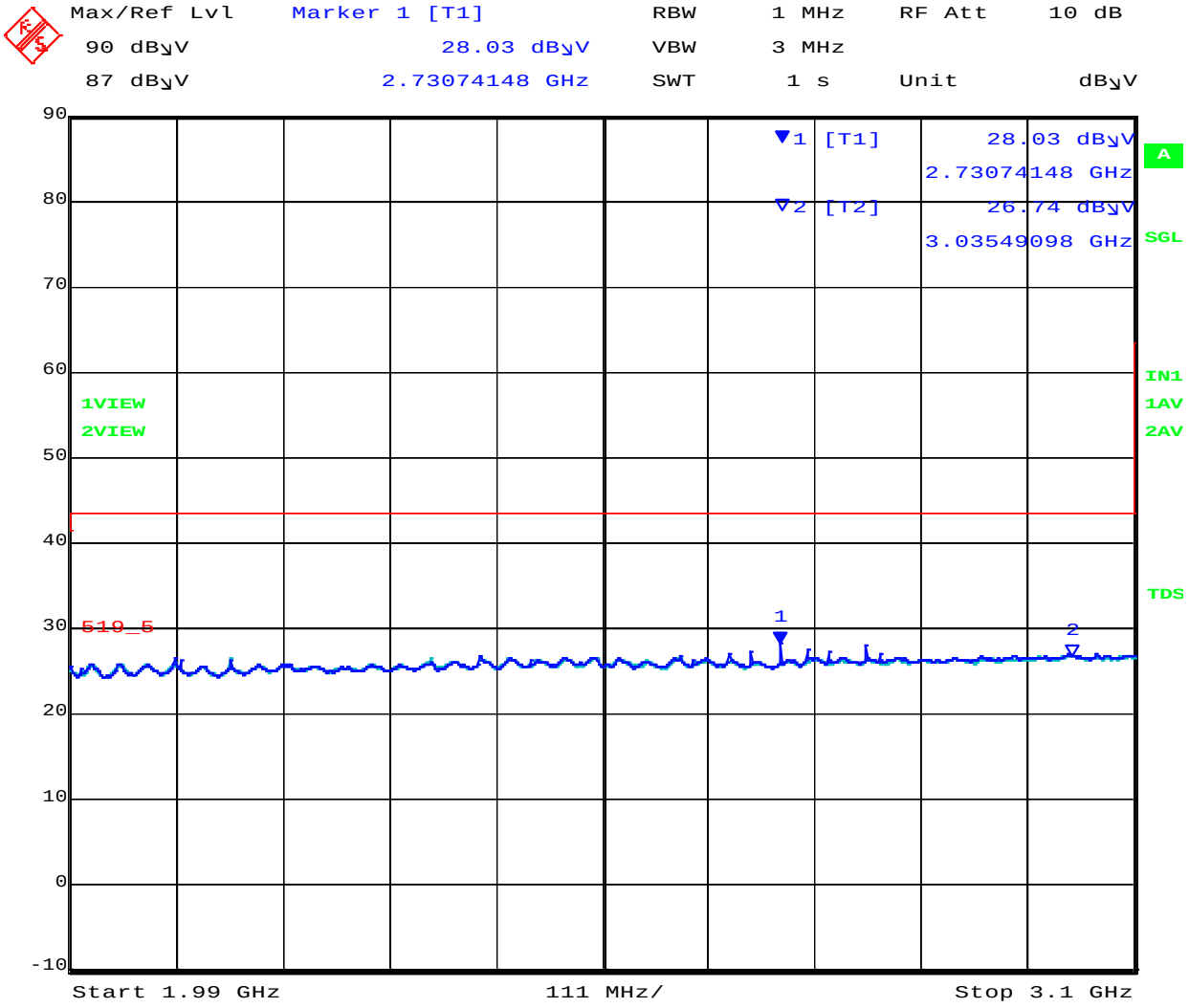


Date: 5.JUL.2022 14:58:38

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

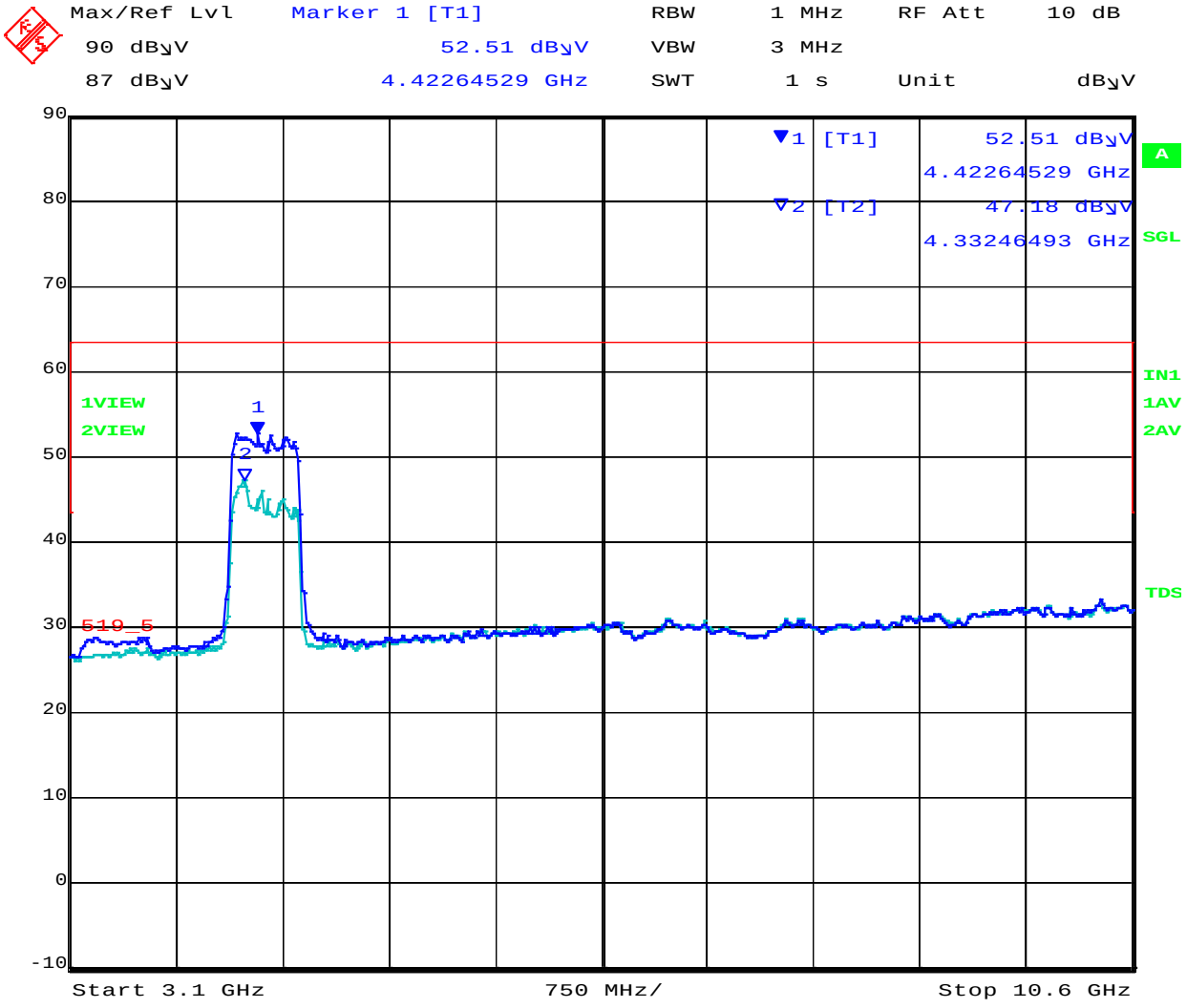


Date: 5.JUL.2022 15:01:28

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

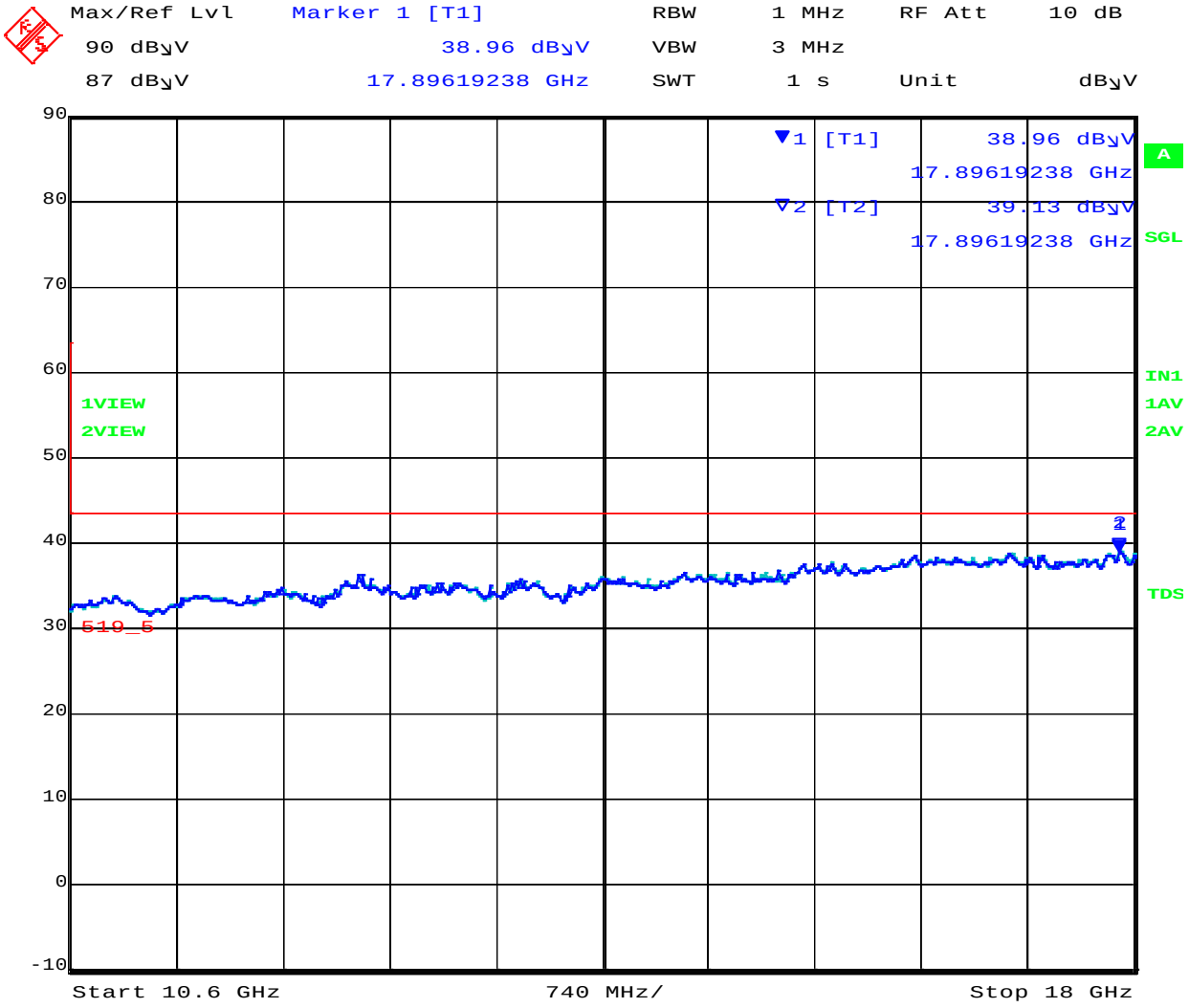


Date: 5.JUL.2022 15:11:30

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99



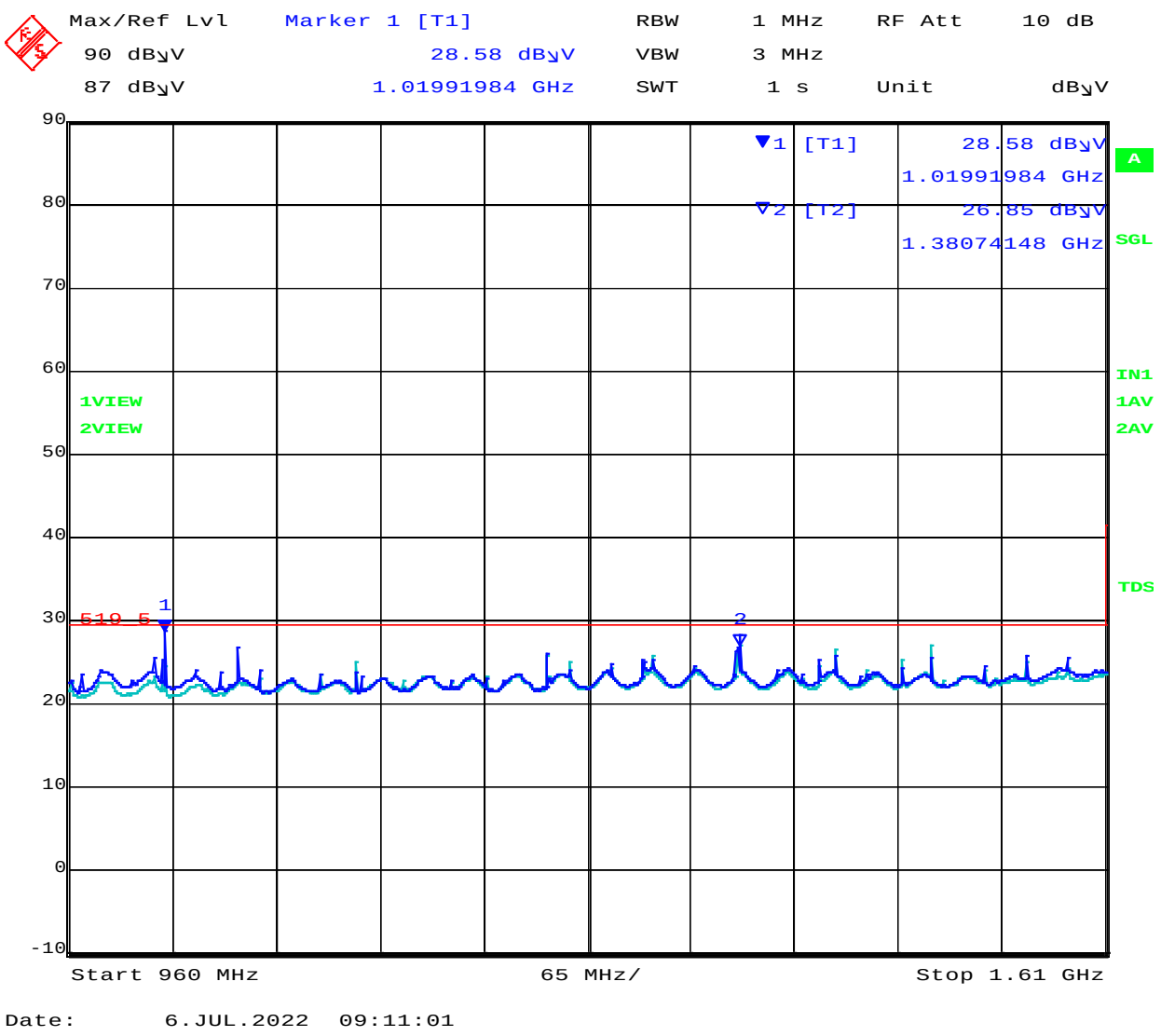
Date: 5.JUL.2022 15:13:19

Back to Matrix

A.1.2 Membrane Patch Antenna Band 3

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

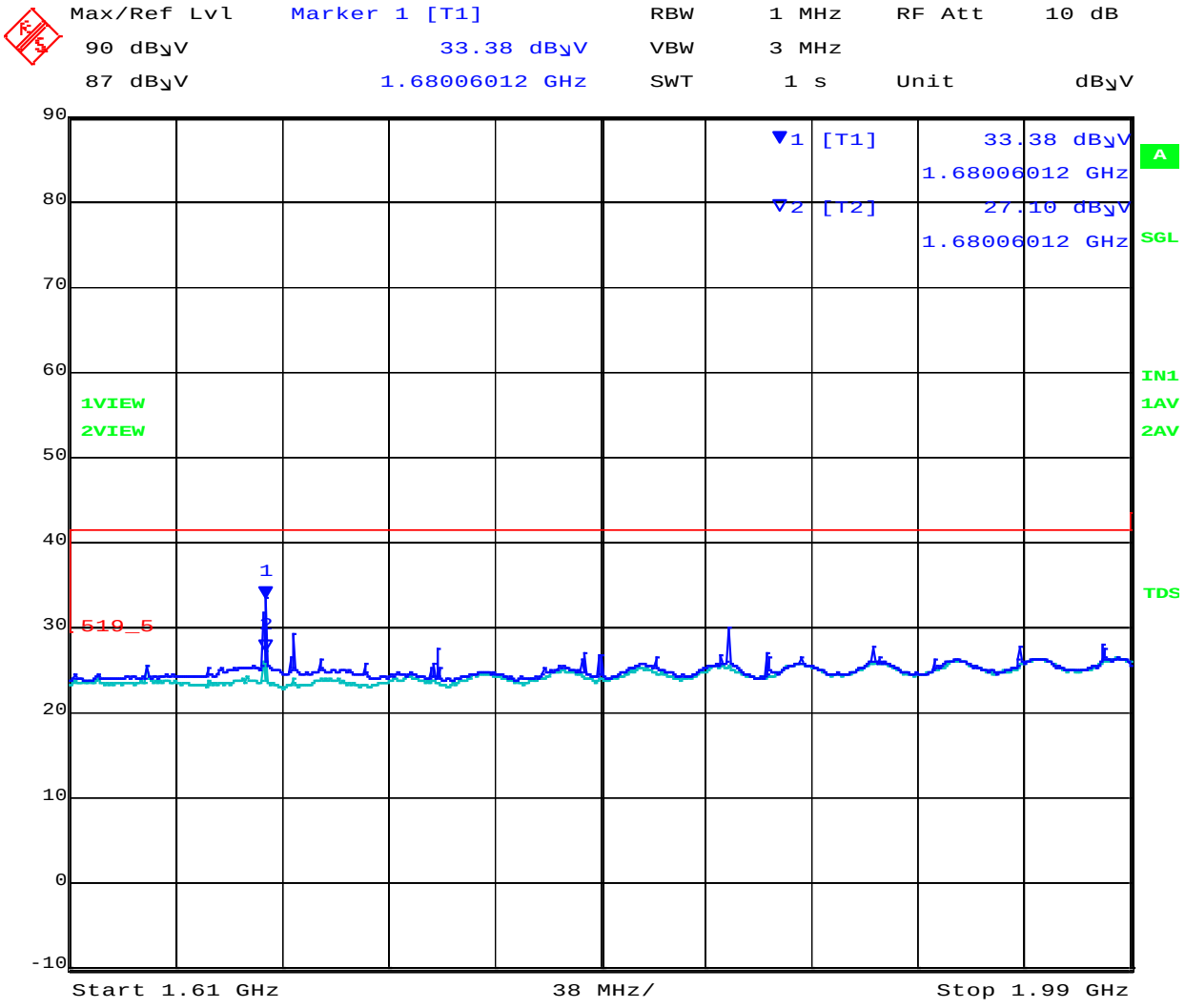
Membrane, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

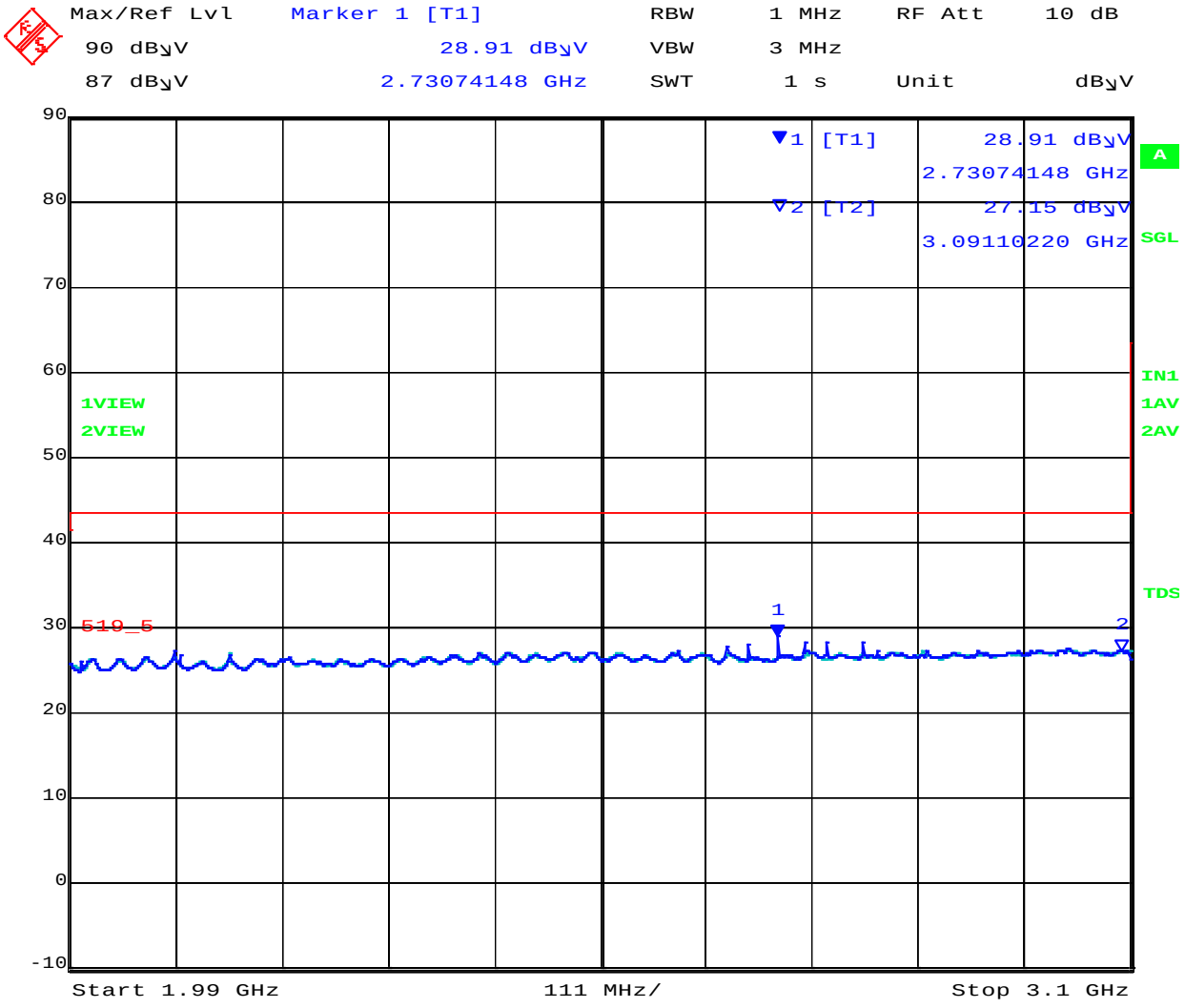


Date: 6.JUL.2022 09:22:08

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

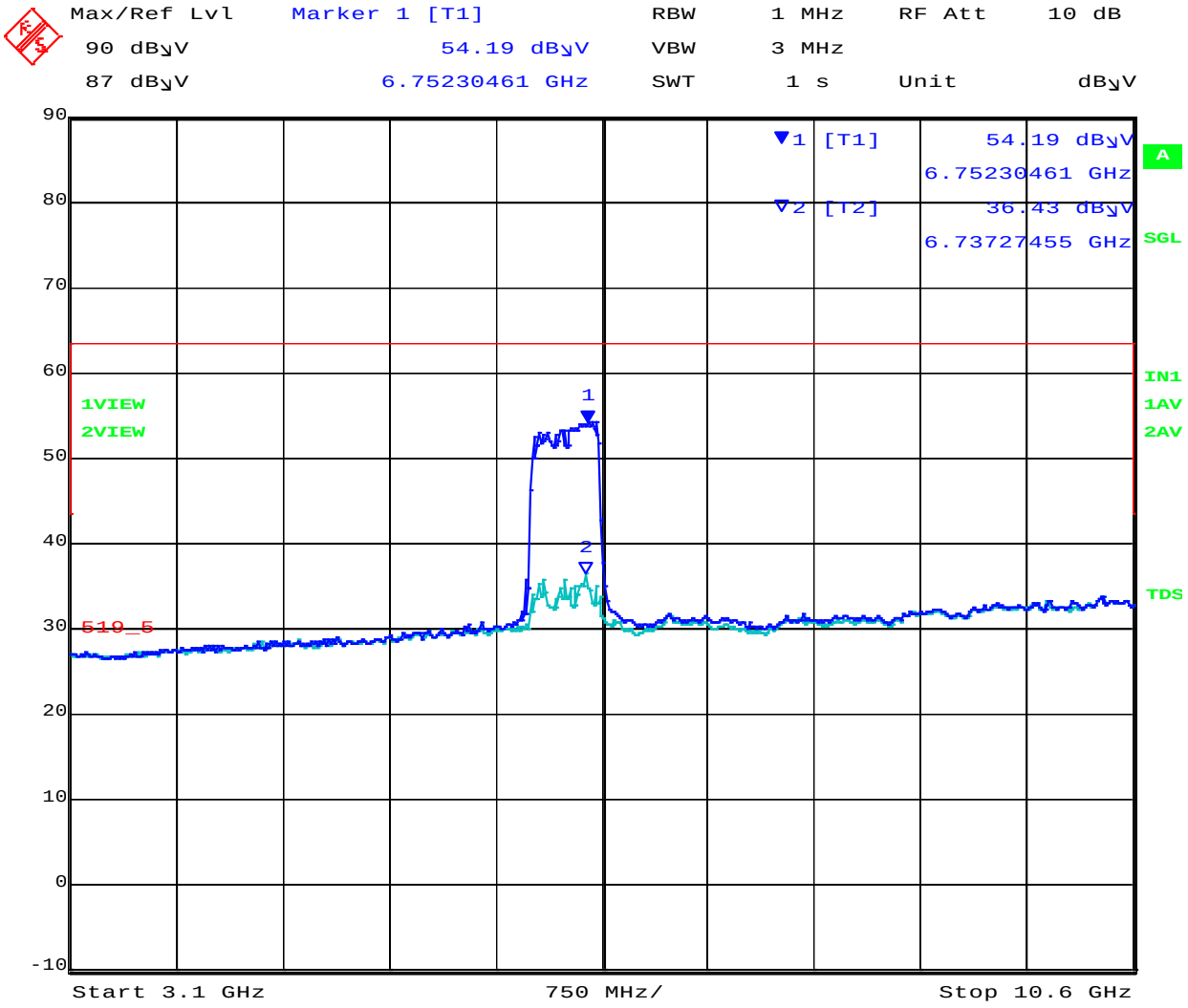


Date: 6.JUL.2022 09:48:36

[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

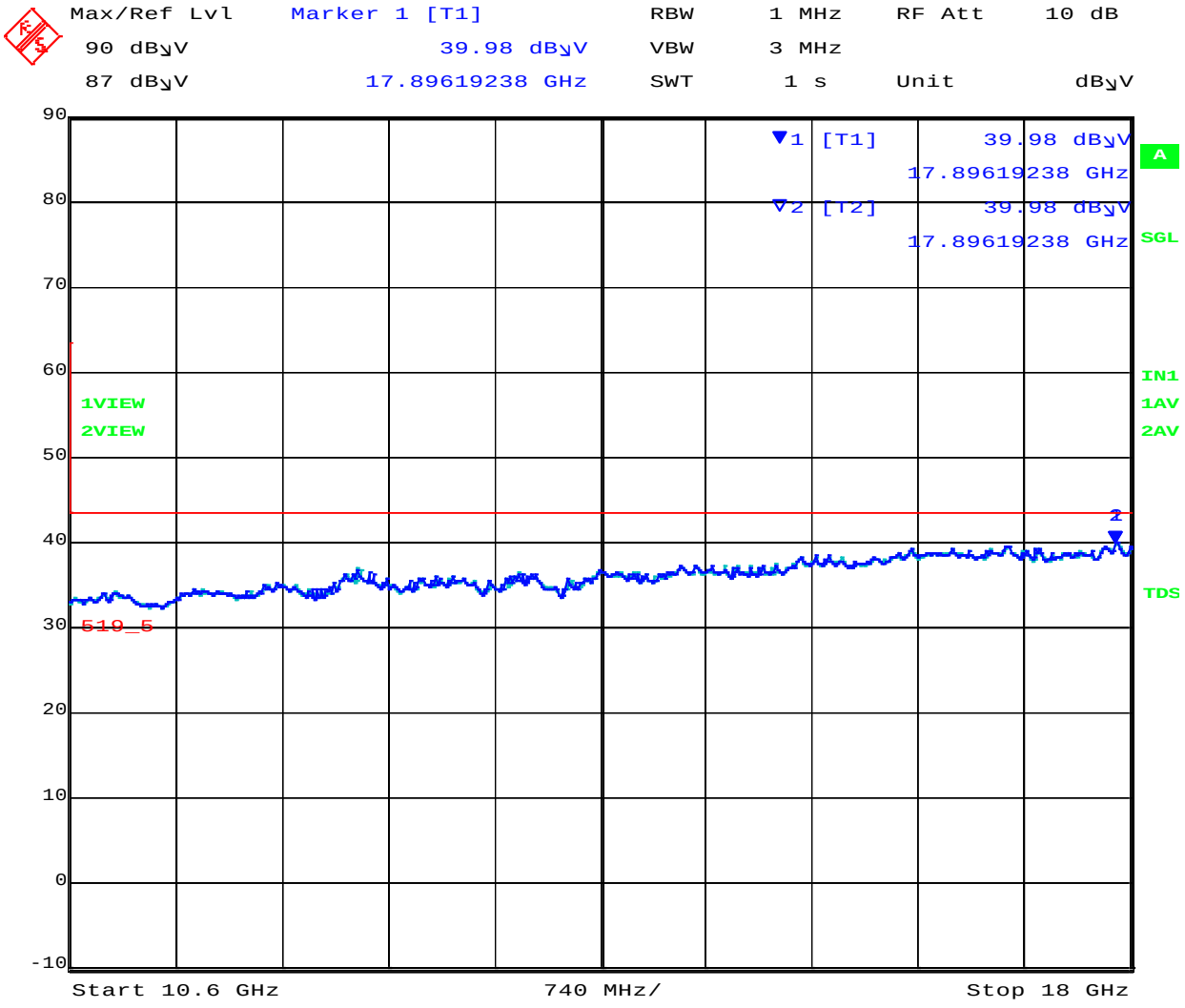


Date: 6.JUL.2022 09:49:42

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

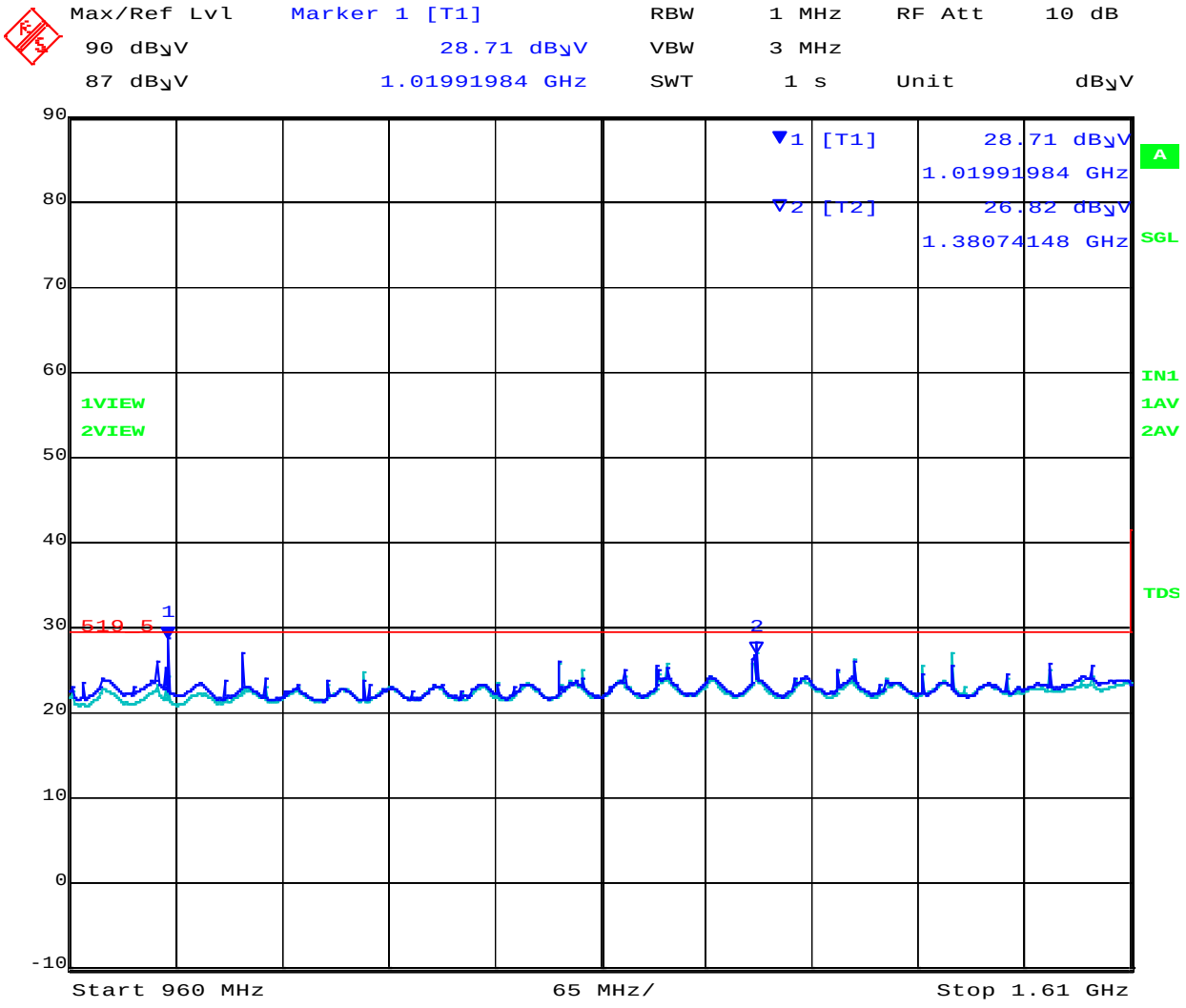


Date: 6.JUL.2022 08:50:11

Back to Matrix

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

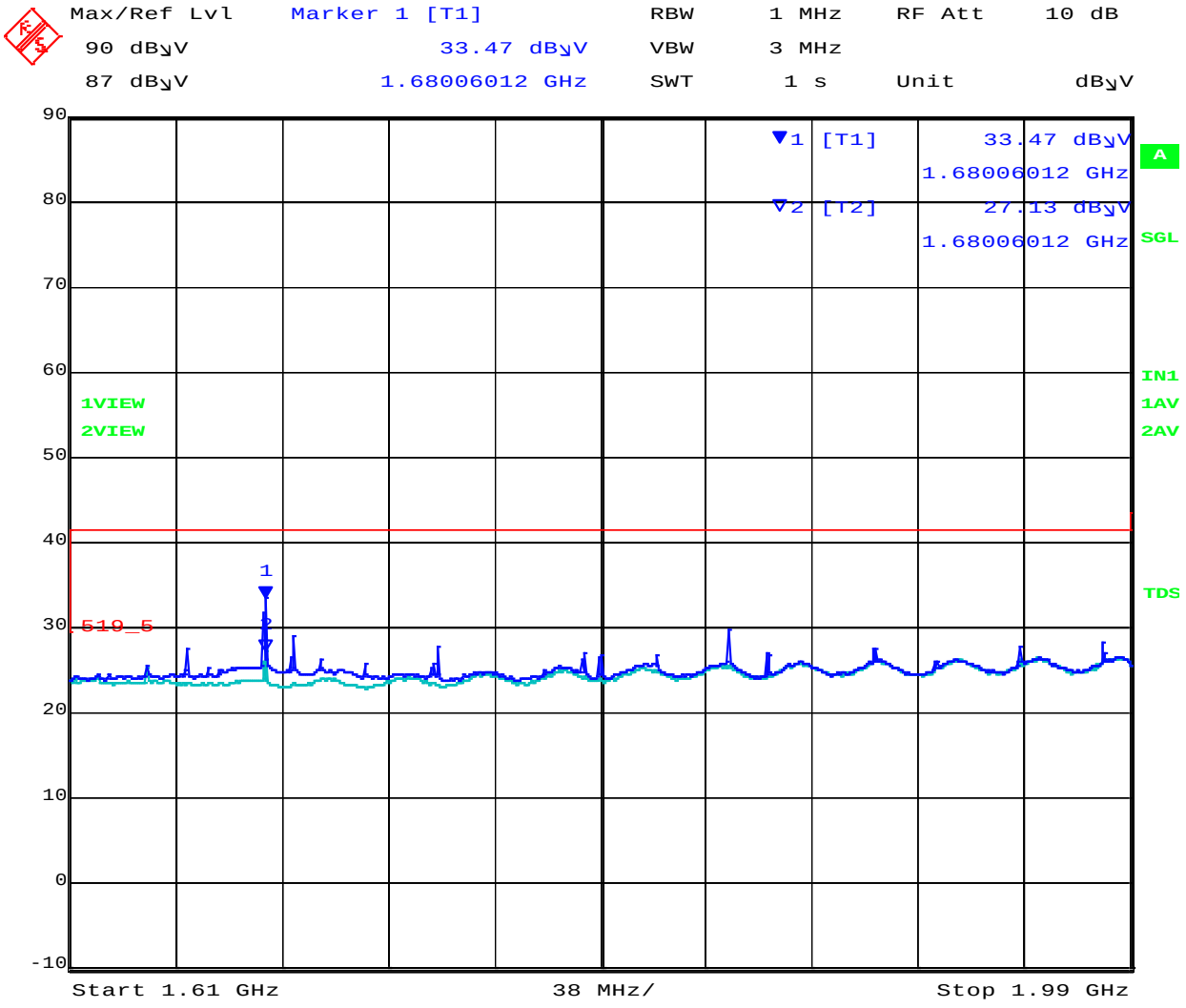


Date: 6.JUL.2022 09:11:50

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

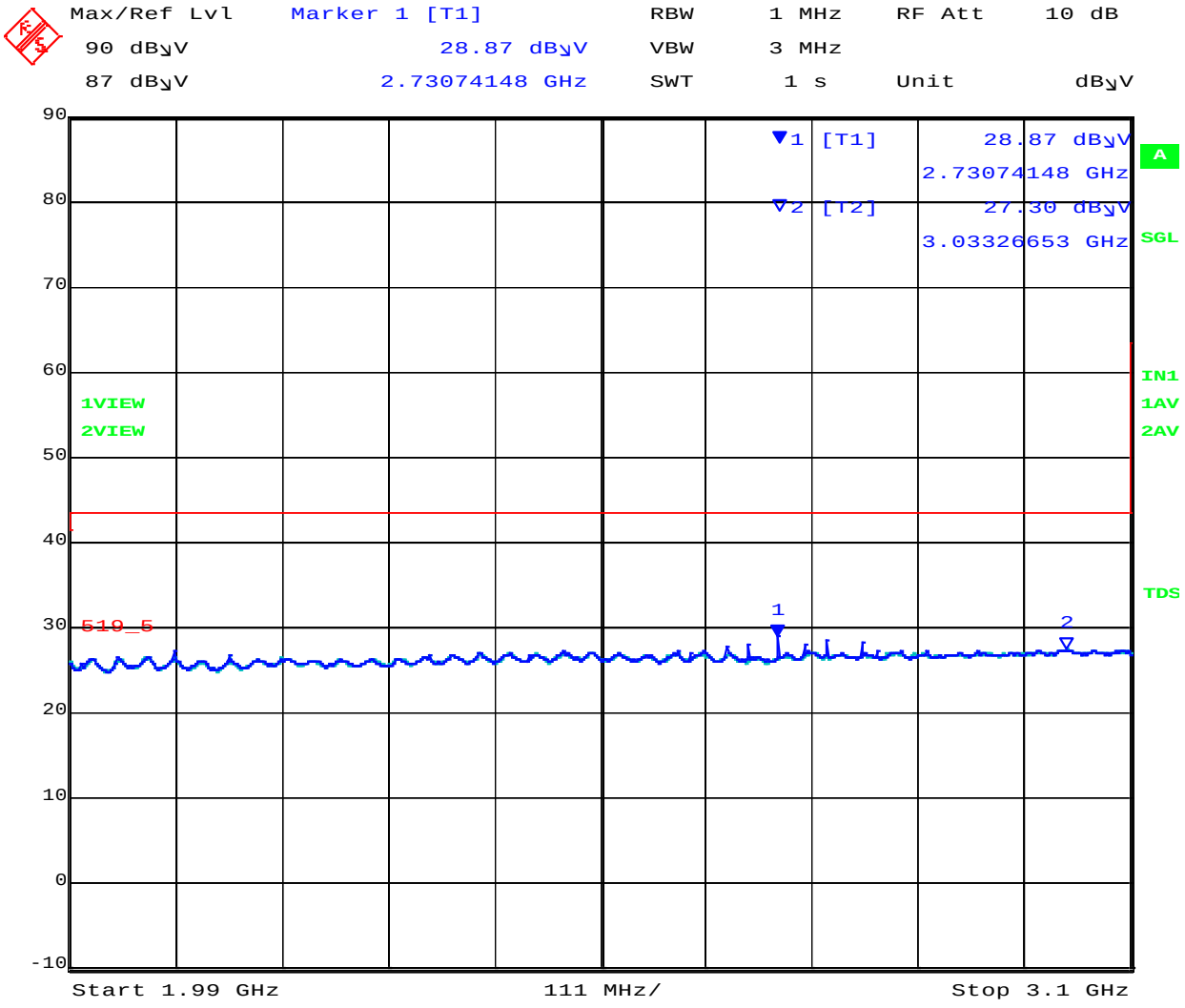


Date: 6.JUL.2022 09:24:56

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

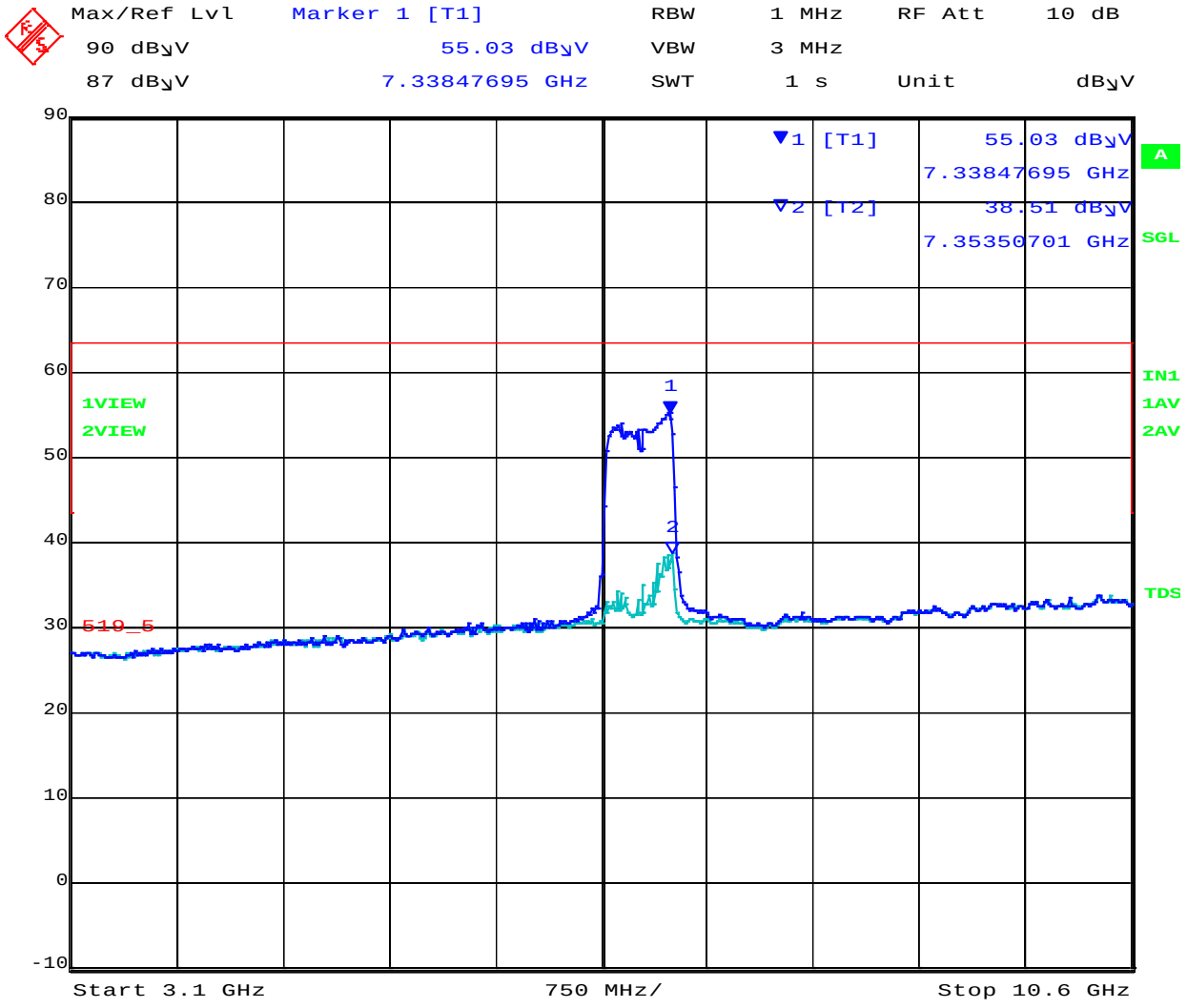


Date: 6.JUL.2022 09:46:57

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

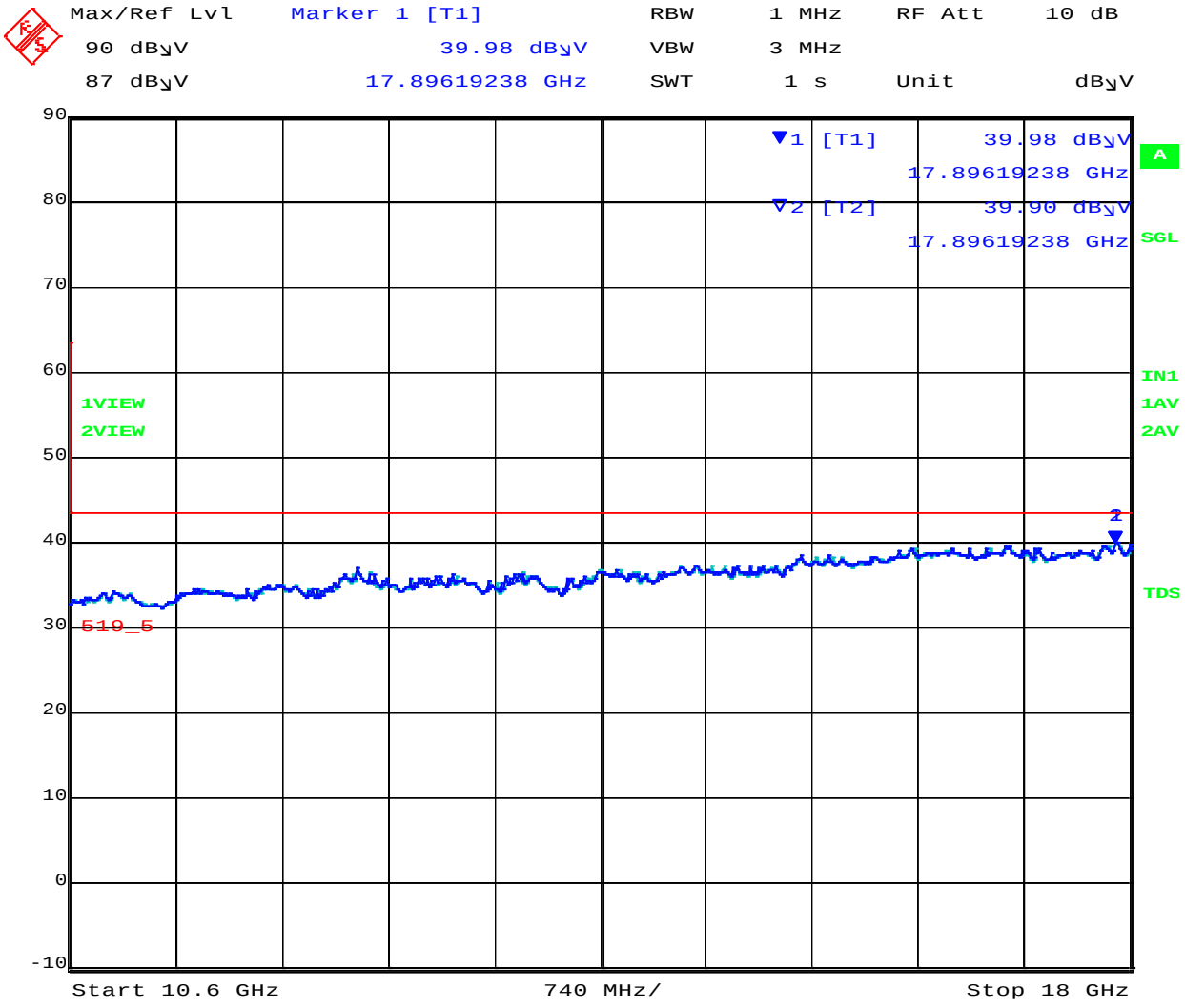


Date: 6.JUL.2022 09:53:44

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99



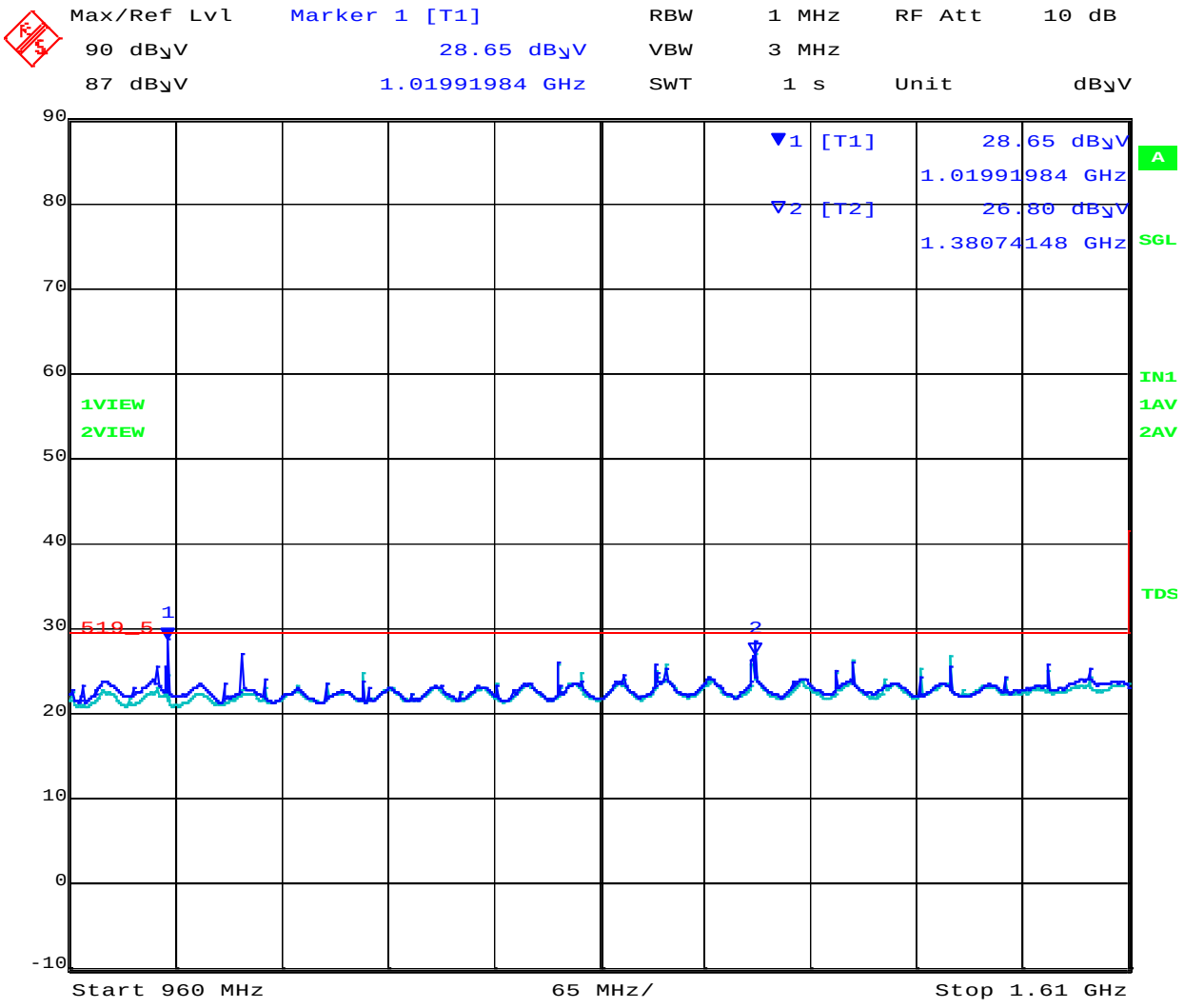
Date: 6.JUL.2022 08:47:02

Back to Matrix

A.1.3 Membrane Patch Antenna Band 3 & 6

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

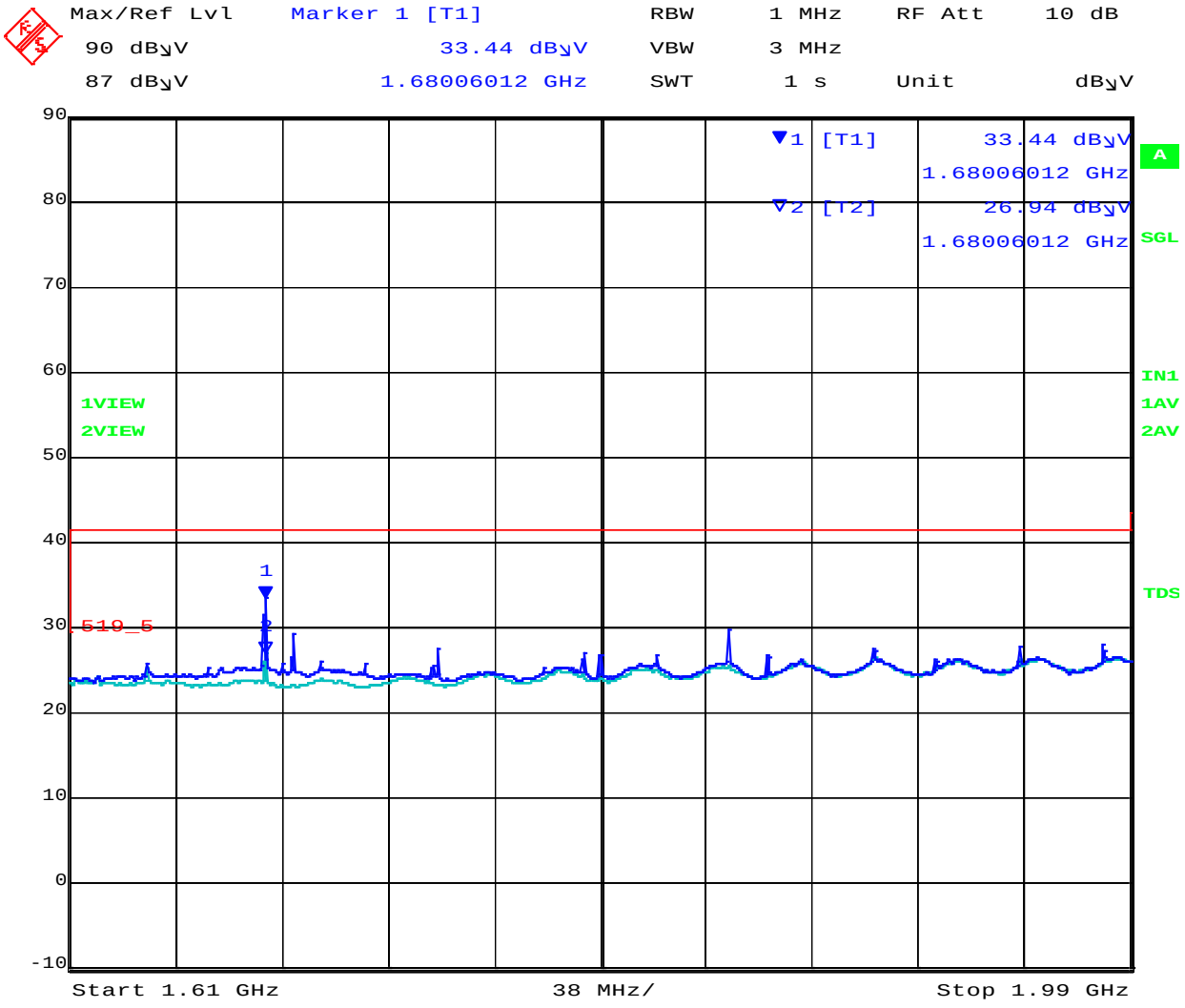


Date: 6.JUL.2022 09:15:37

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

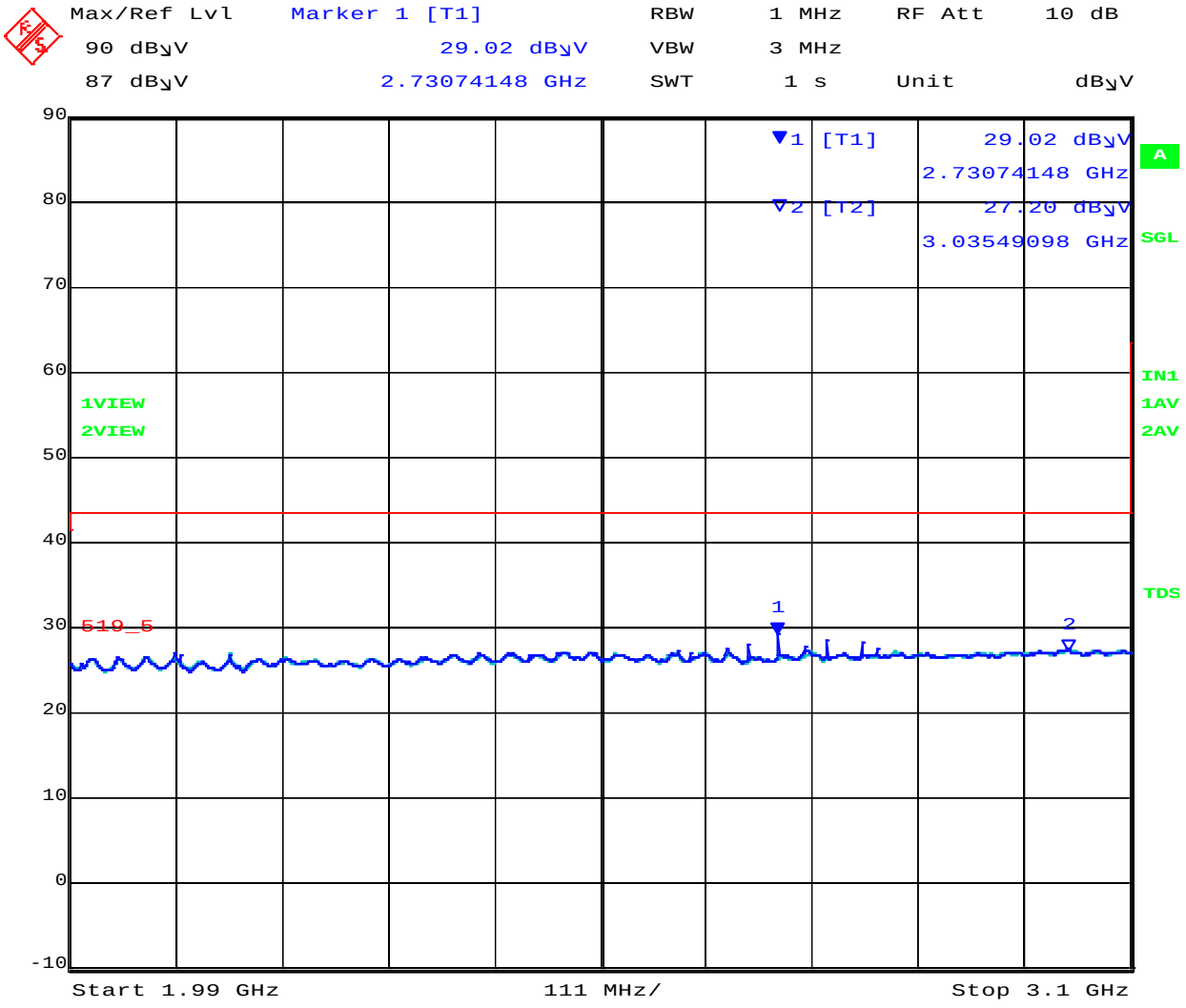


Date: 6.JUL.2022 09:28:14

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

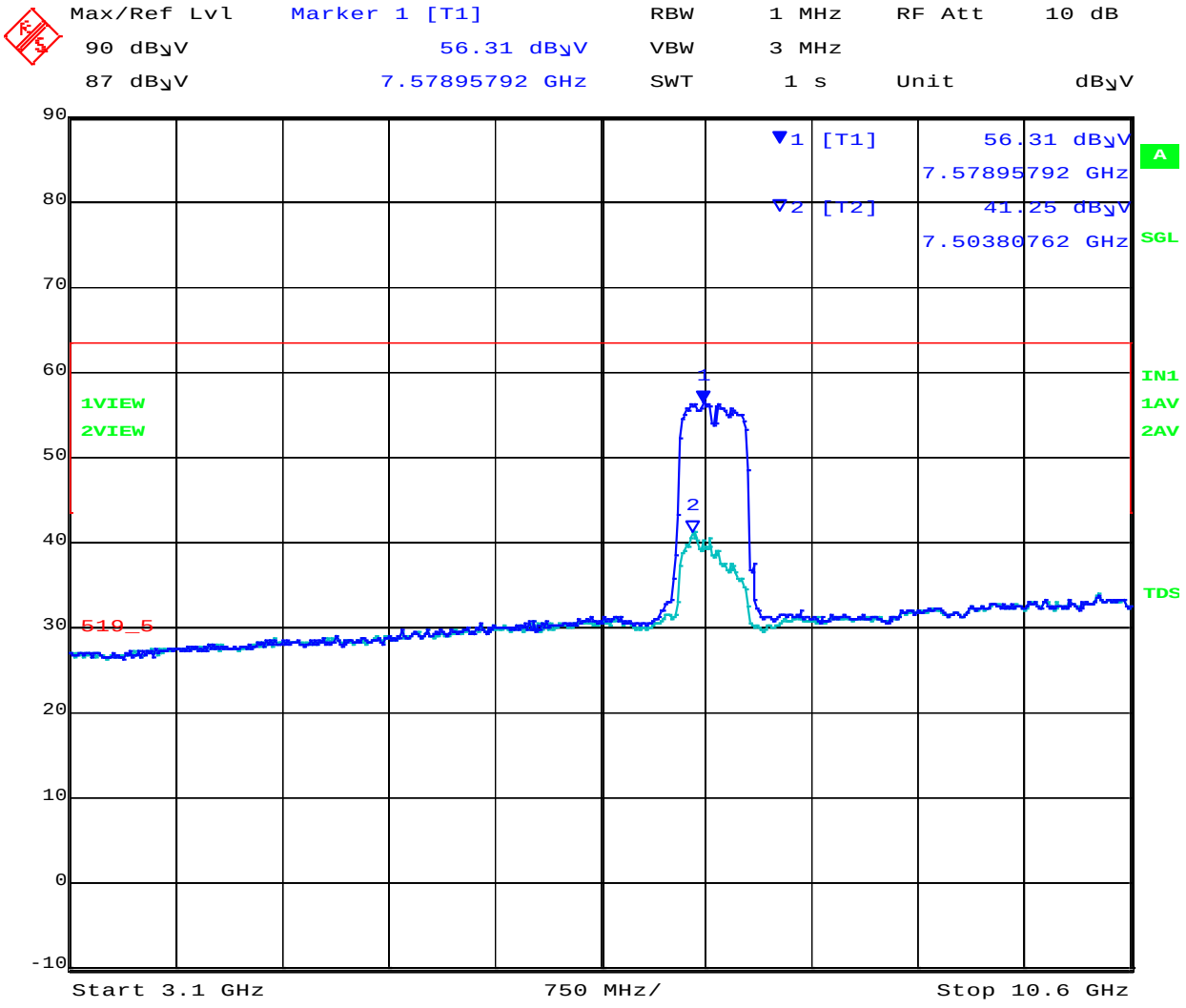


Date: 6.JUL.2022 09:44:36

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

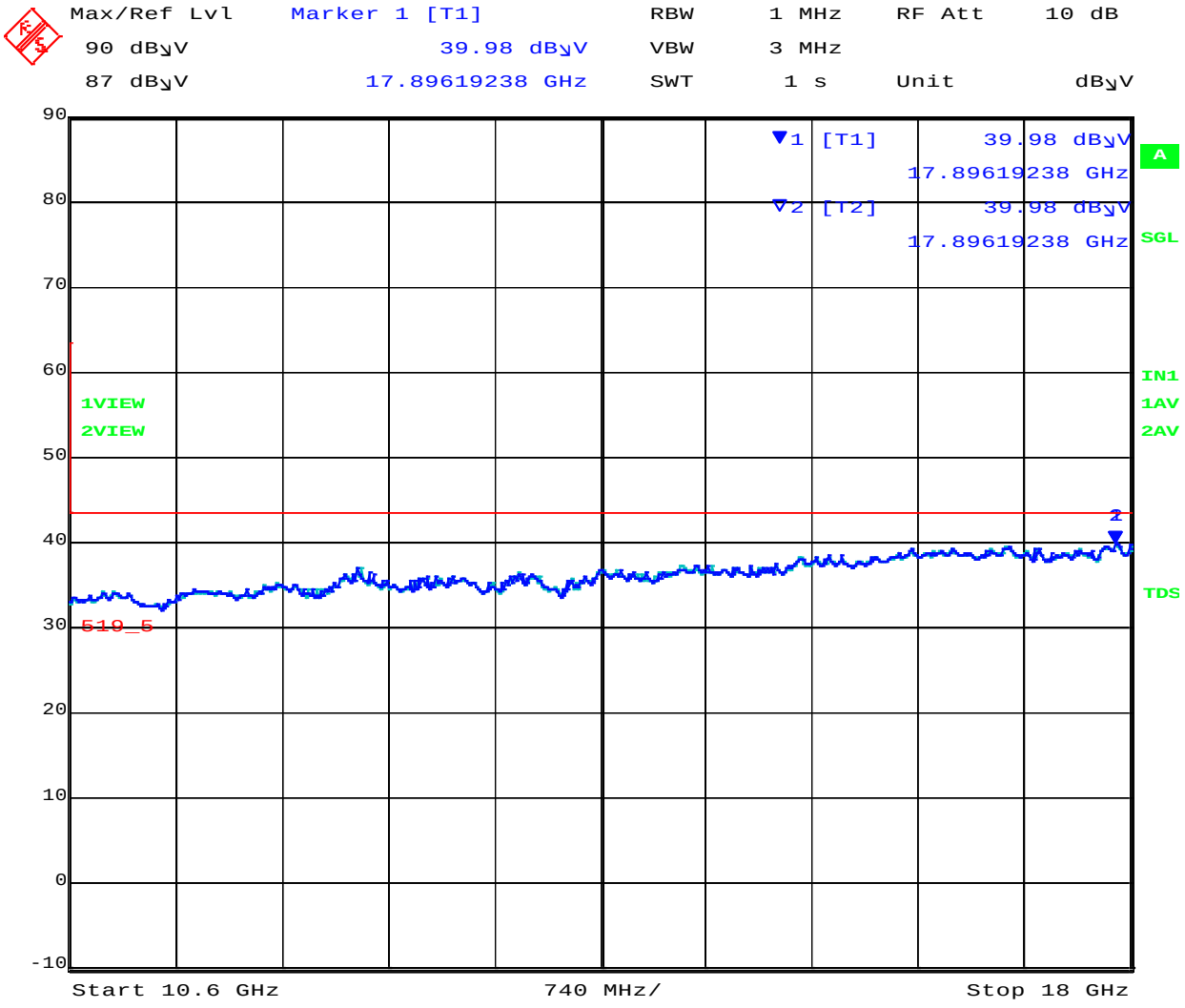


Date: 6.JUL.2022 09:58:00

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99



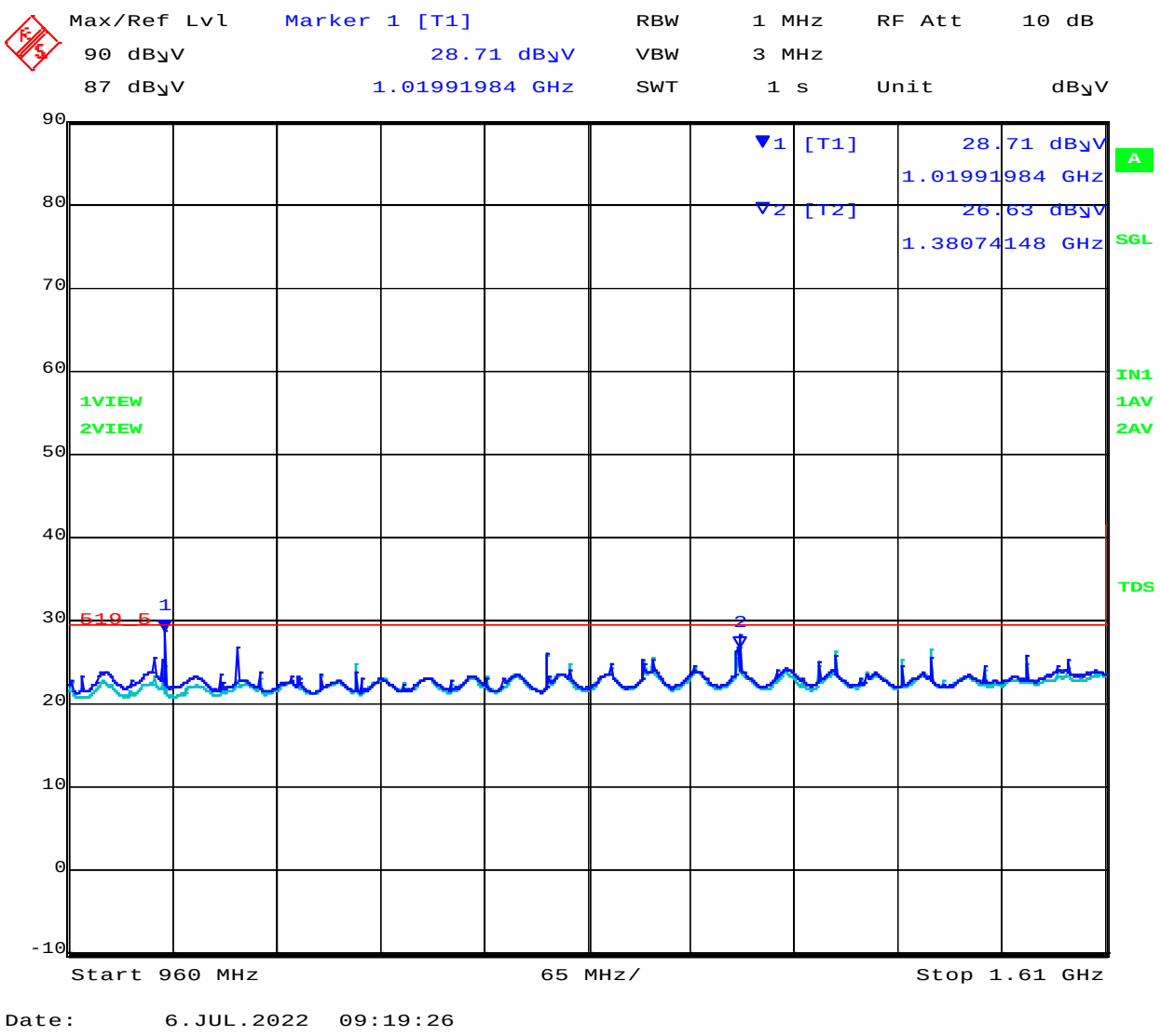
Date: 6.JUL.2022 08:48:16

Back to Matrix

A.1.4 Membrane Patch Antenna Band 6

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

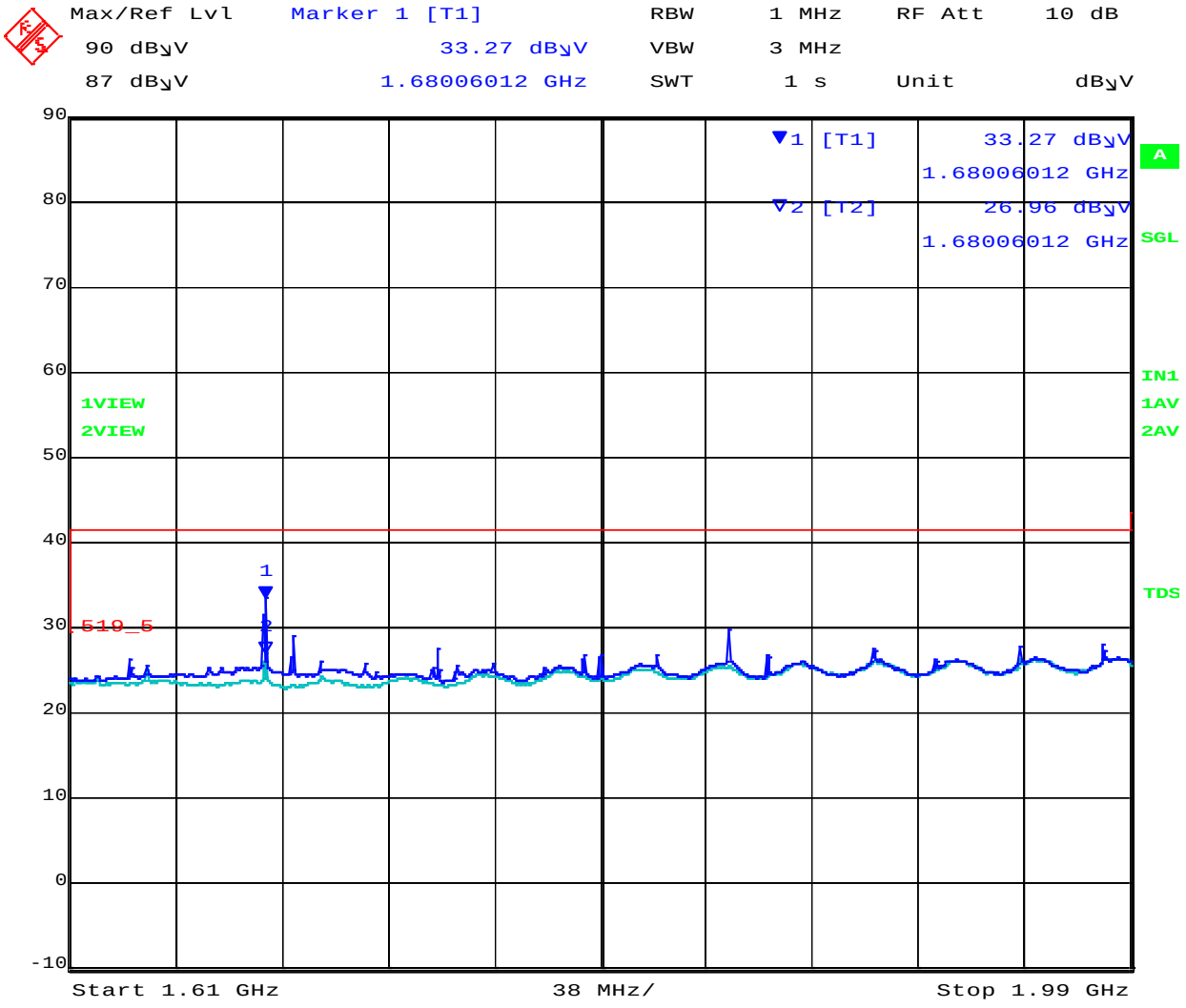
Membrane, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

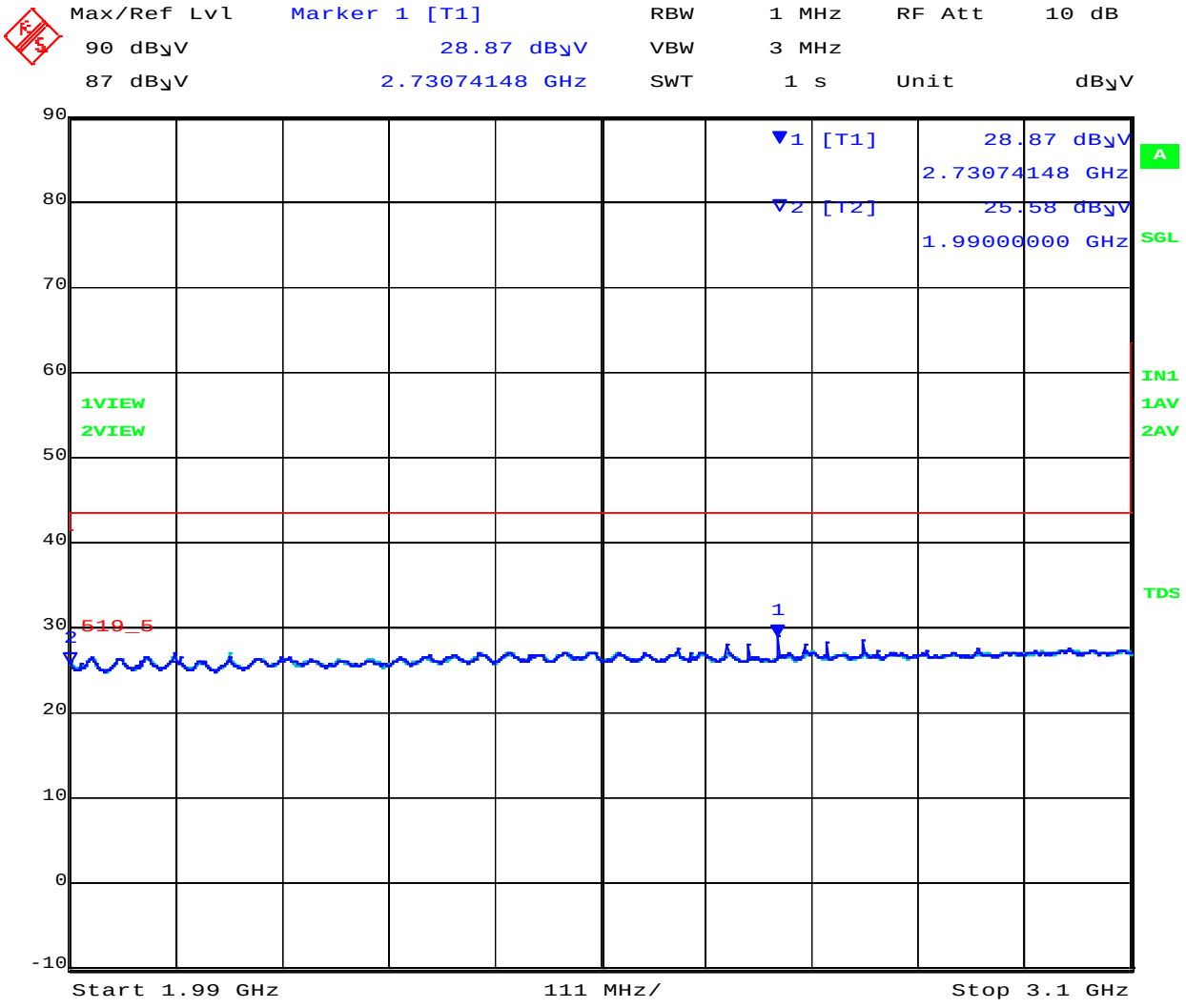


Date: 6.JUL.2022 09:37:05

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

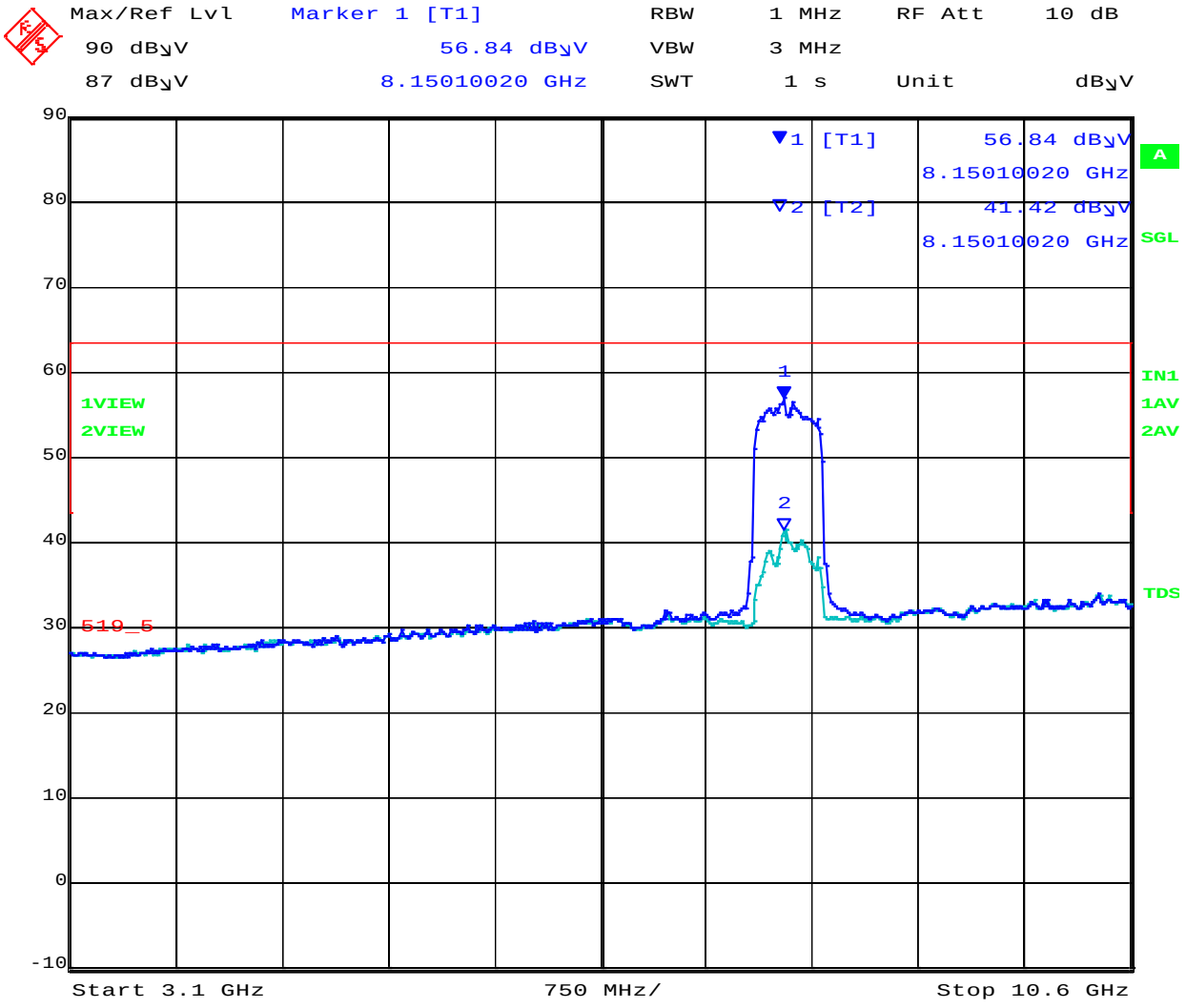


Date: 6.JUL.2022 09:38:02

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

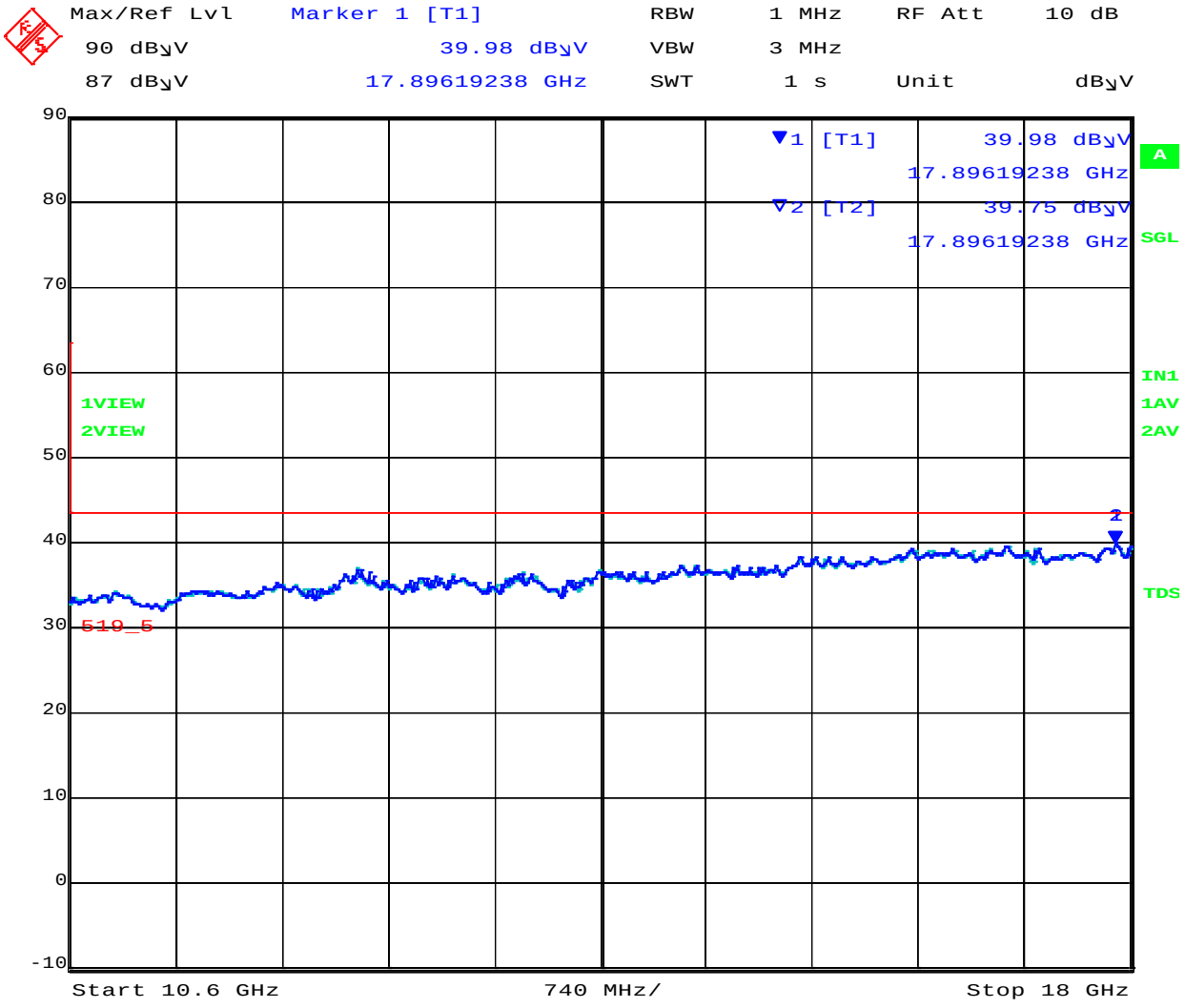


Date: 6.JUL.2022 10:00:41

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

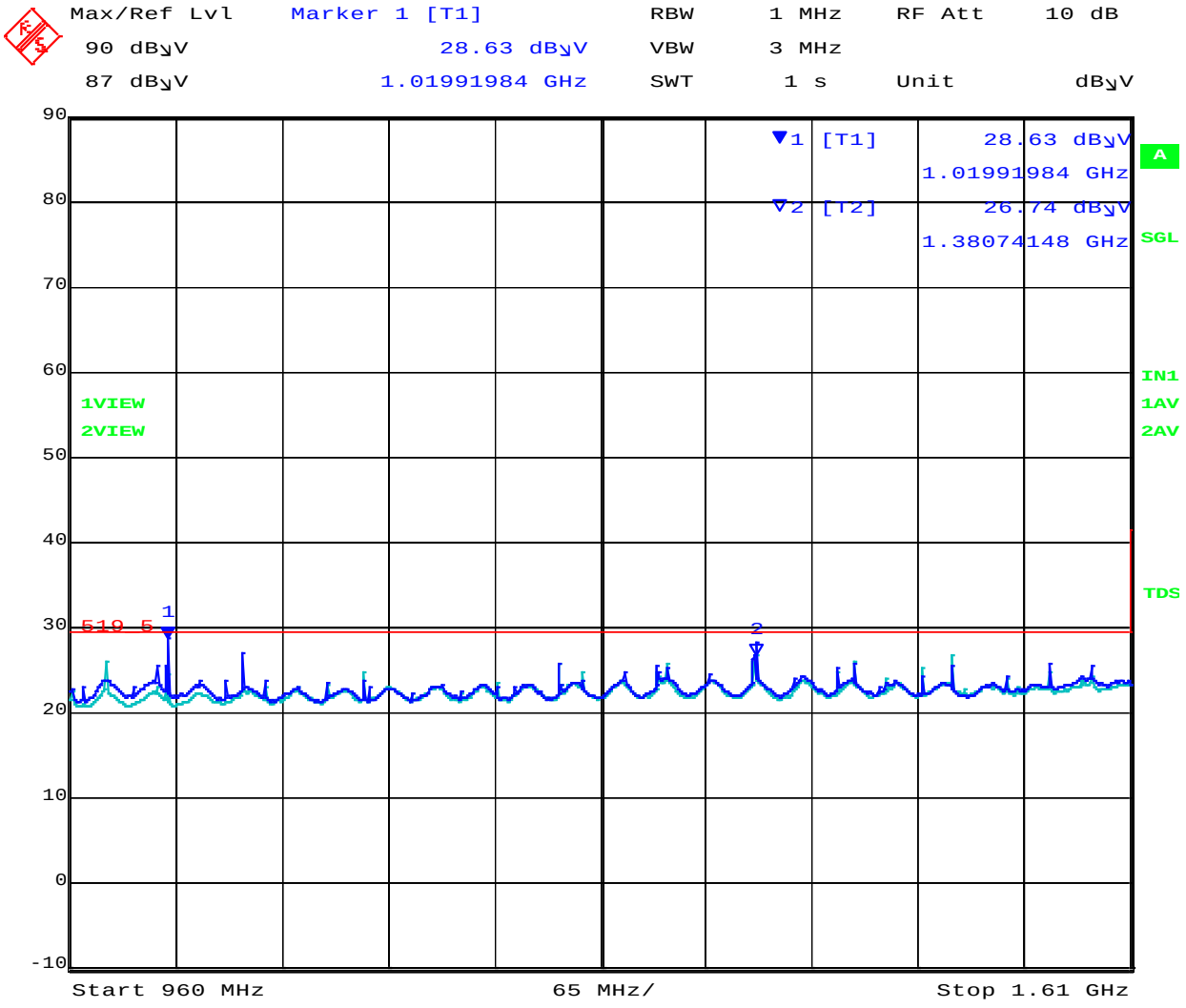


Date: 6.JUL.2022 08:51:49

Back to Matrix

RADIATED SPURIOUS EMISSIONS 0.960-1.61GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

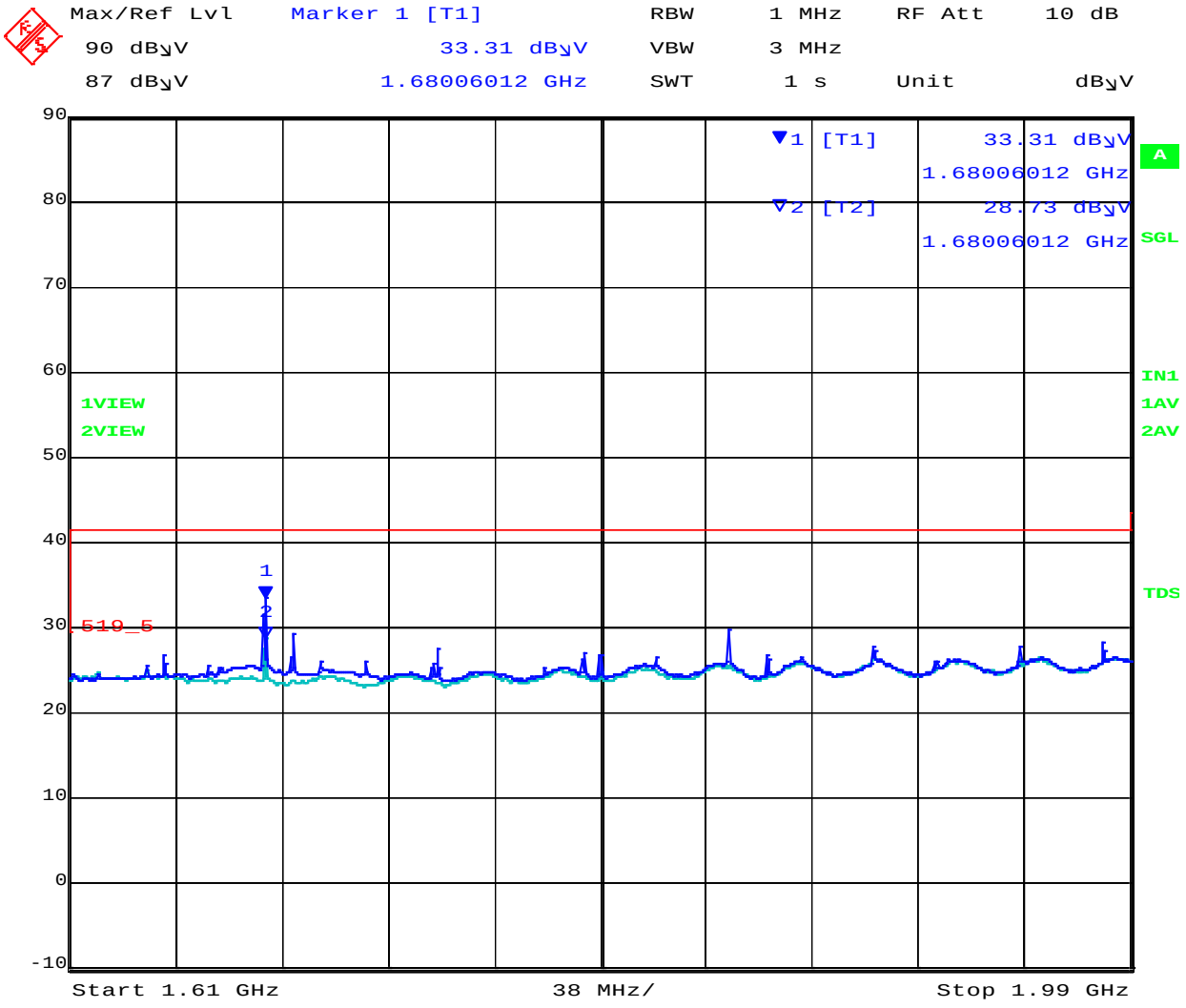


Date: 6.JUL.2022 09:20:15

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

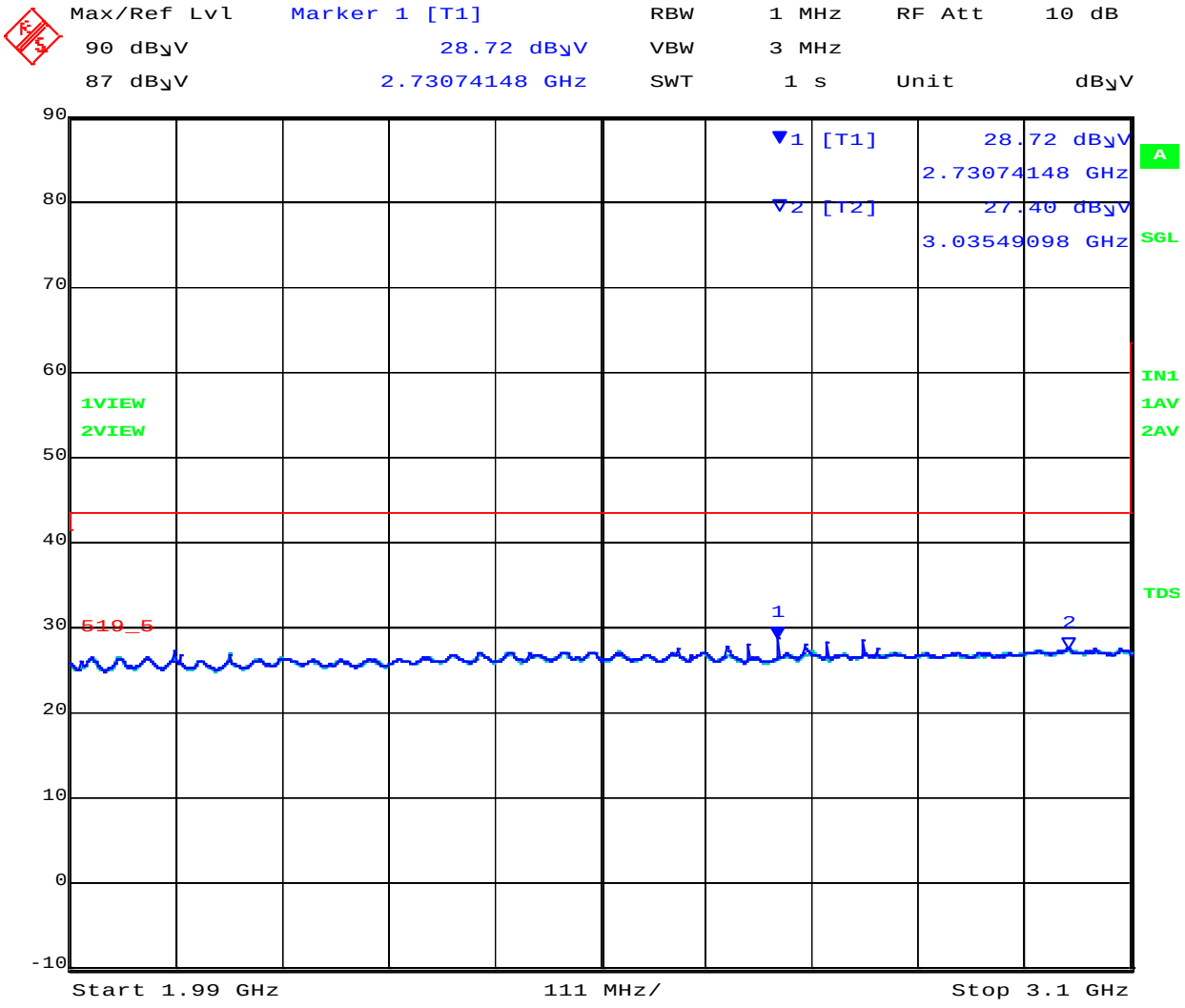


Date: 6.JUL.2022 09:29:02

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.1GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

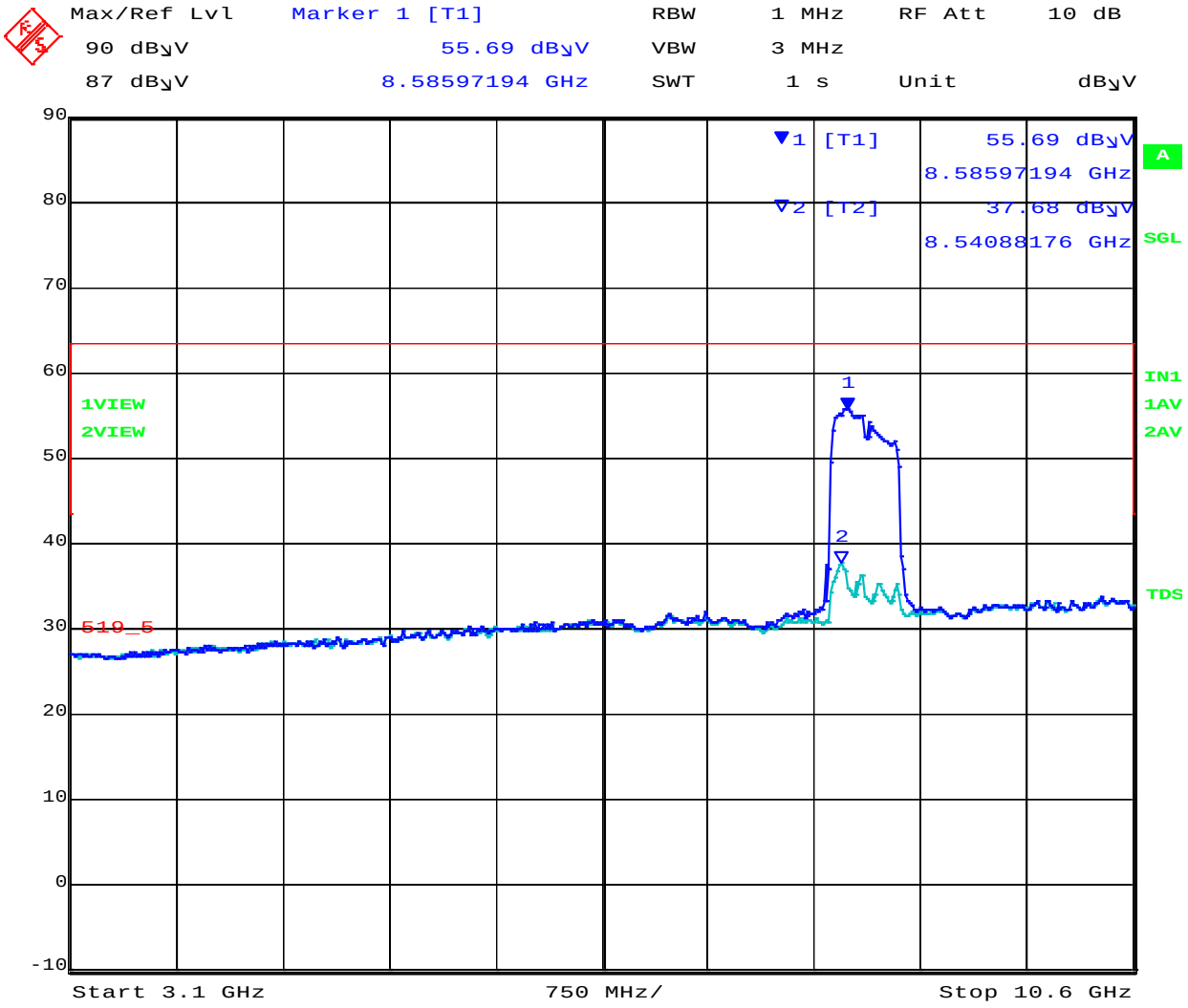


Date: 6.JUL.2022 09:42:47

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.1-10.6GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99

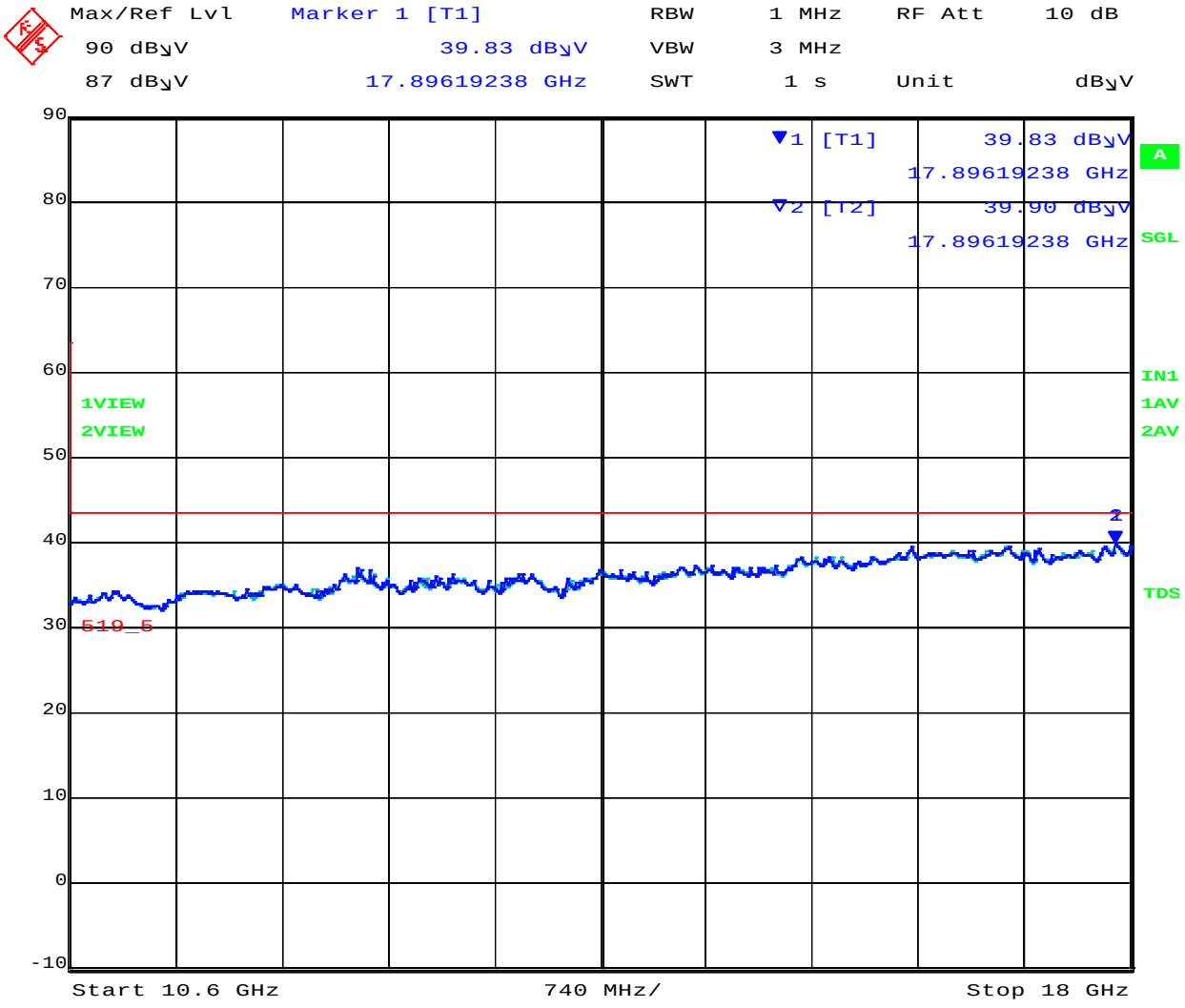


Date: 6.JUL.2022 09:59:52

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.6-18GHz

Membrane, Power Setting: Max, Duty Cycle (%): 99



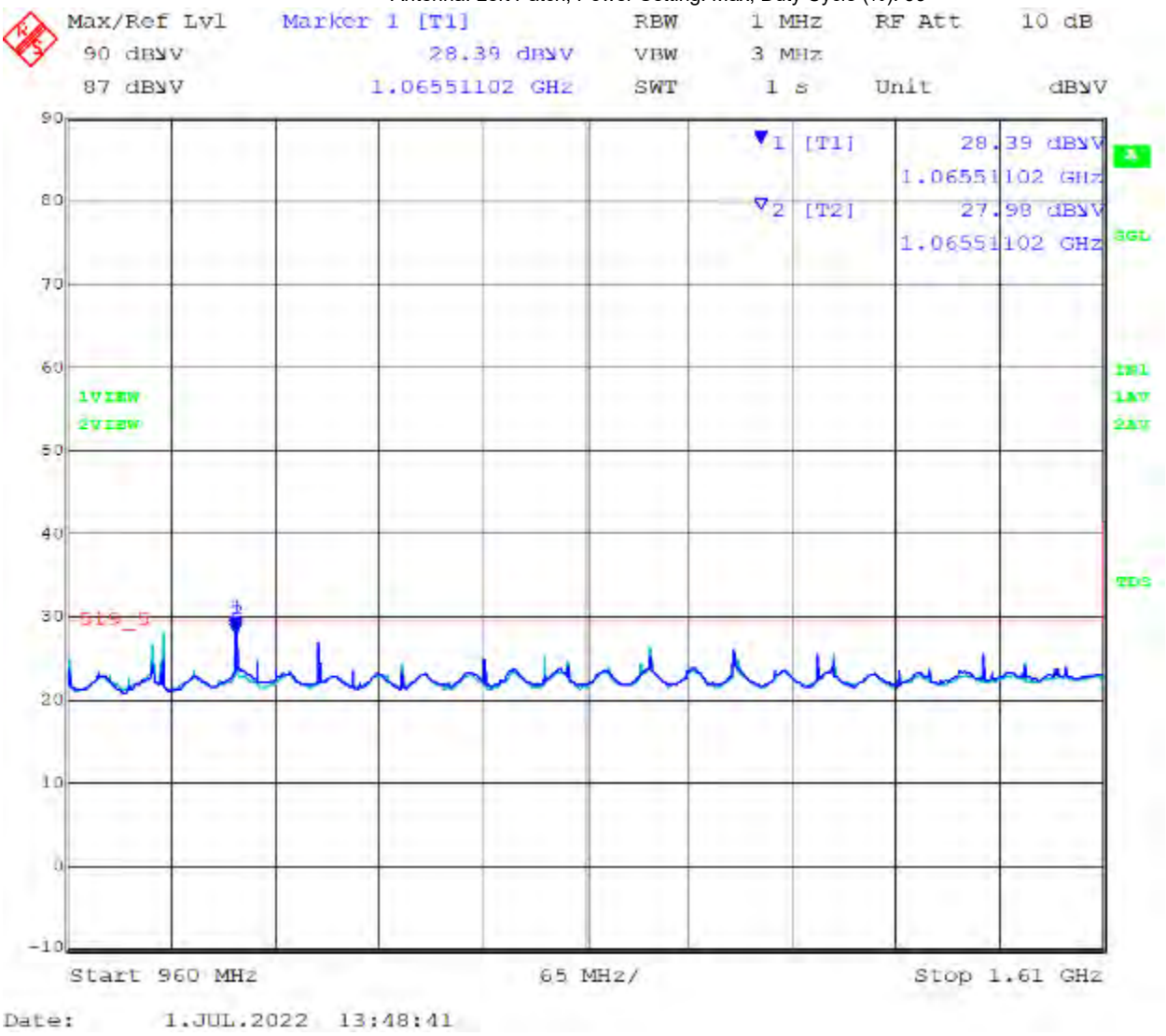
Date: 6.JUL.2022 08:52:50

Back to Matrix

A.1.5 Left Patch Antenna Band 1

RADIATED SPURIOUS EMISSIONS 960-1610MHz

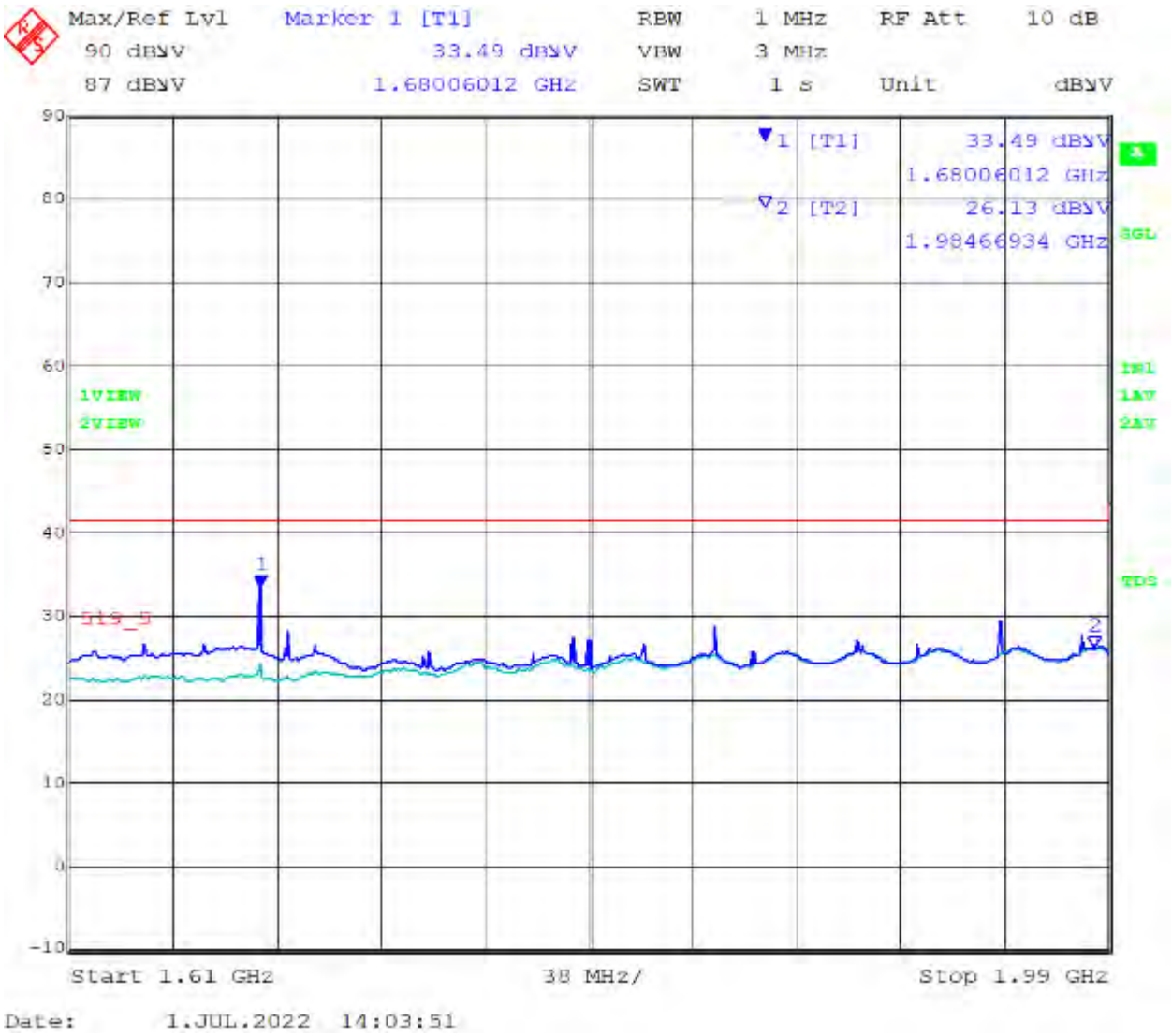
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

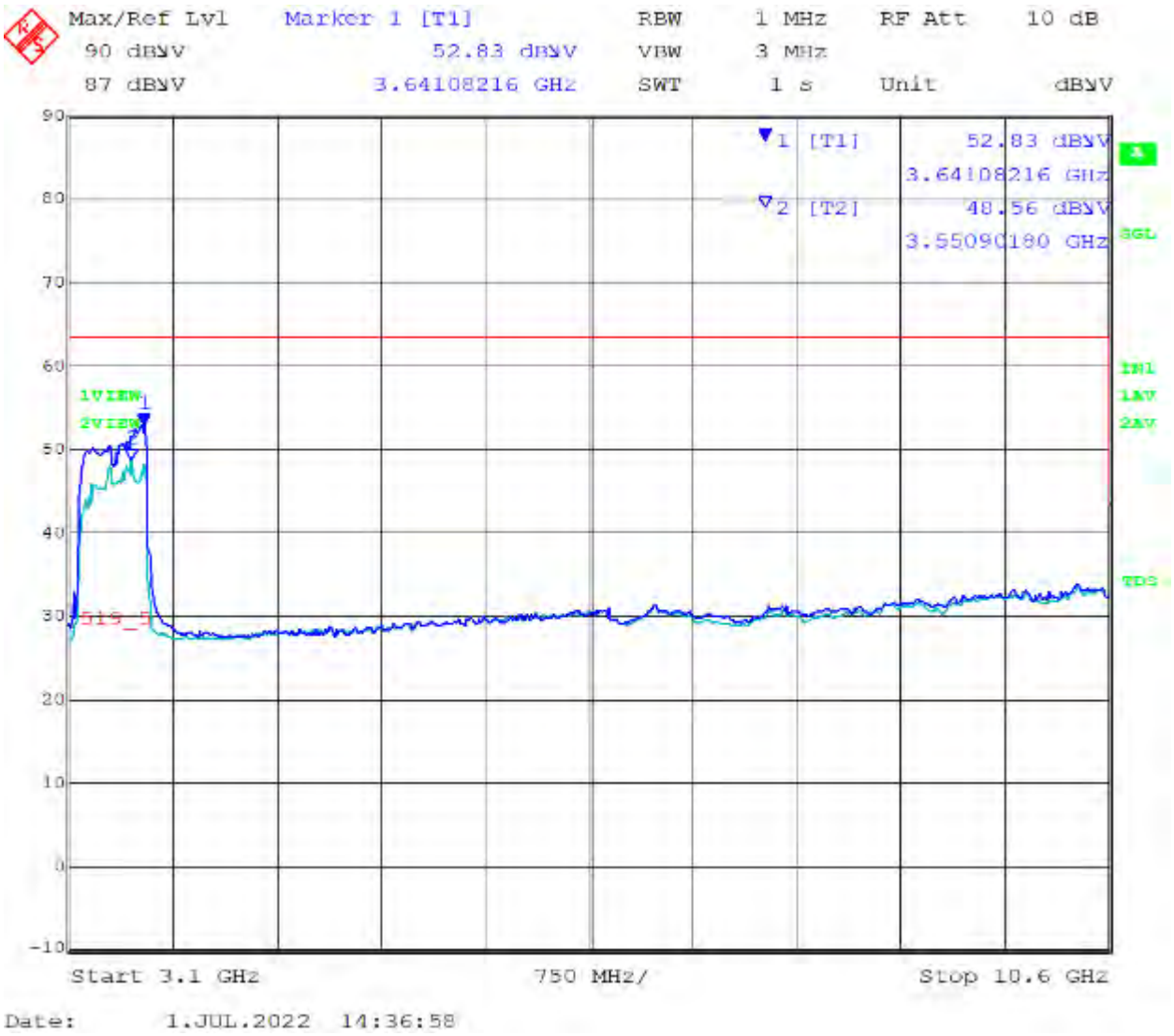
RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

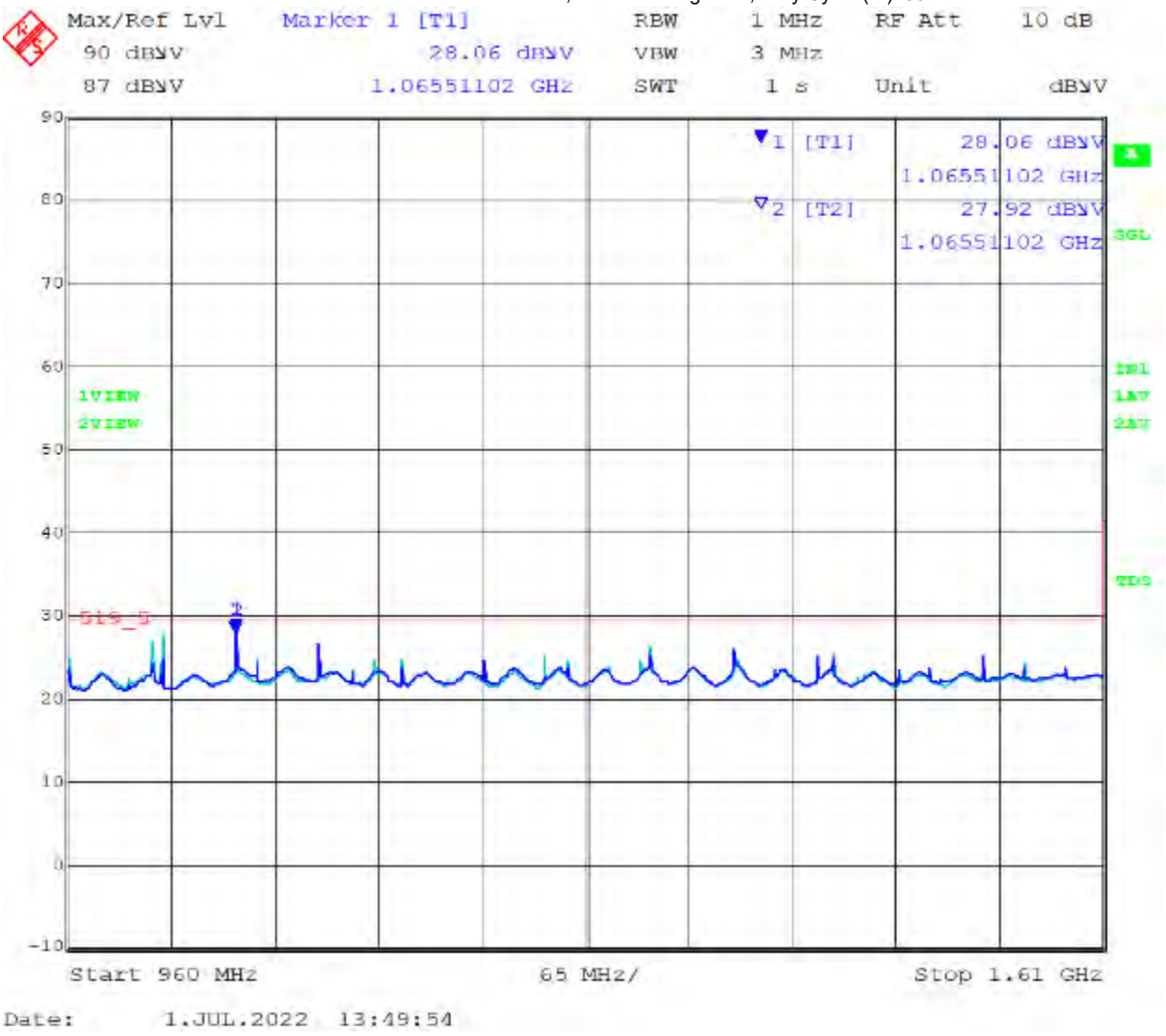
RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1610MHz

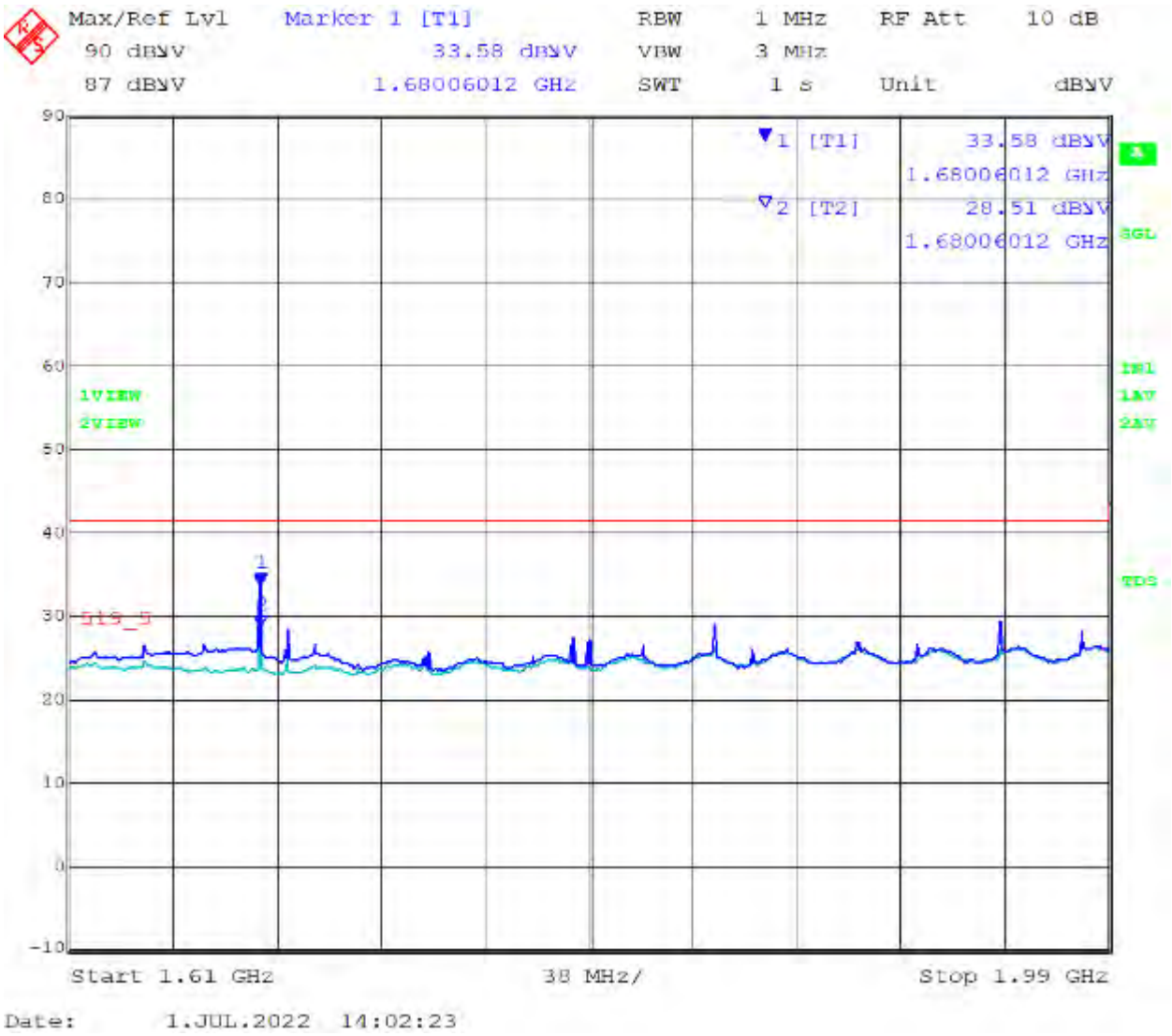
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

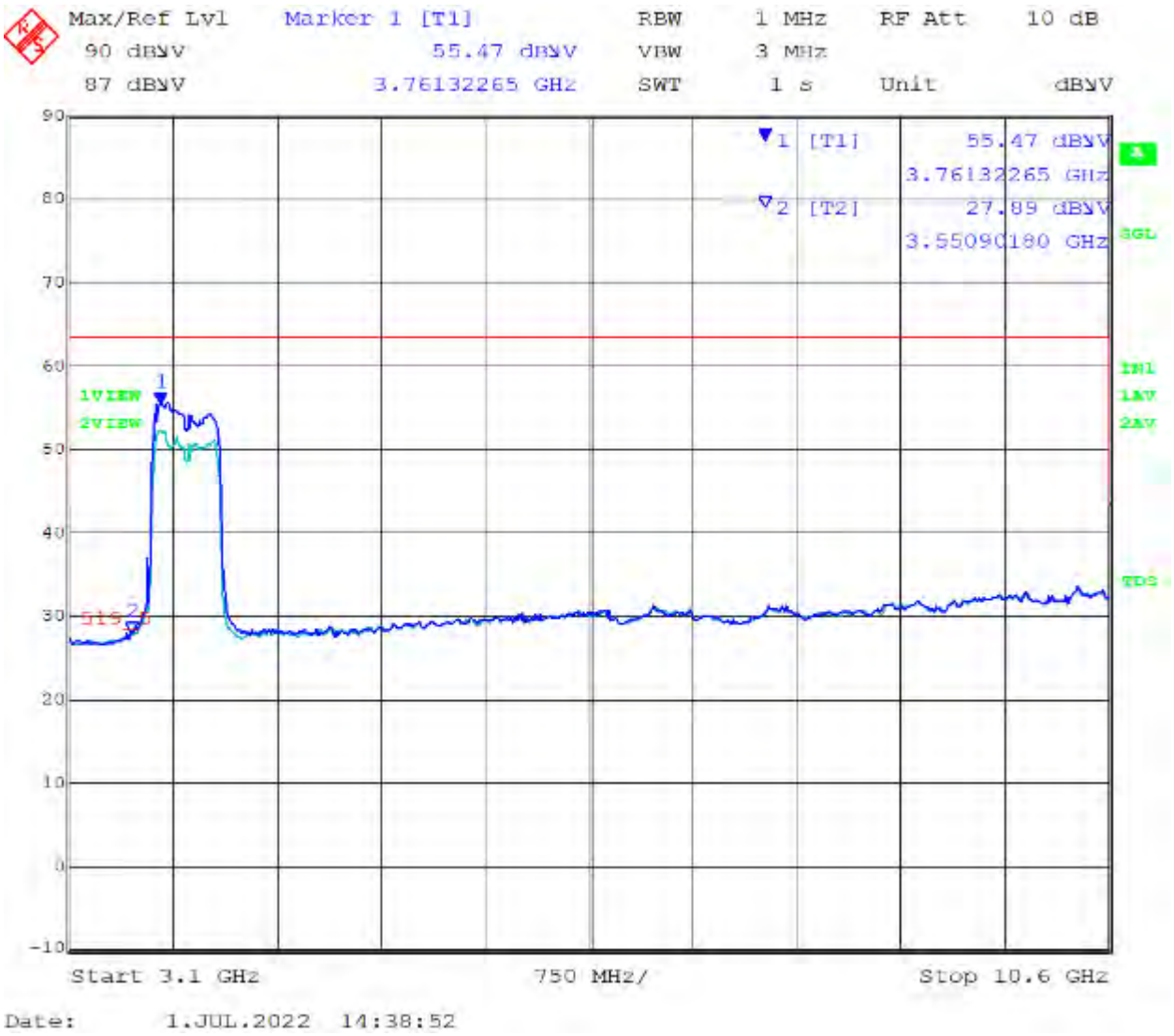
RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

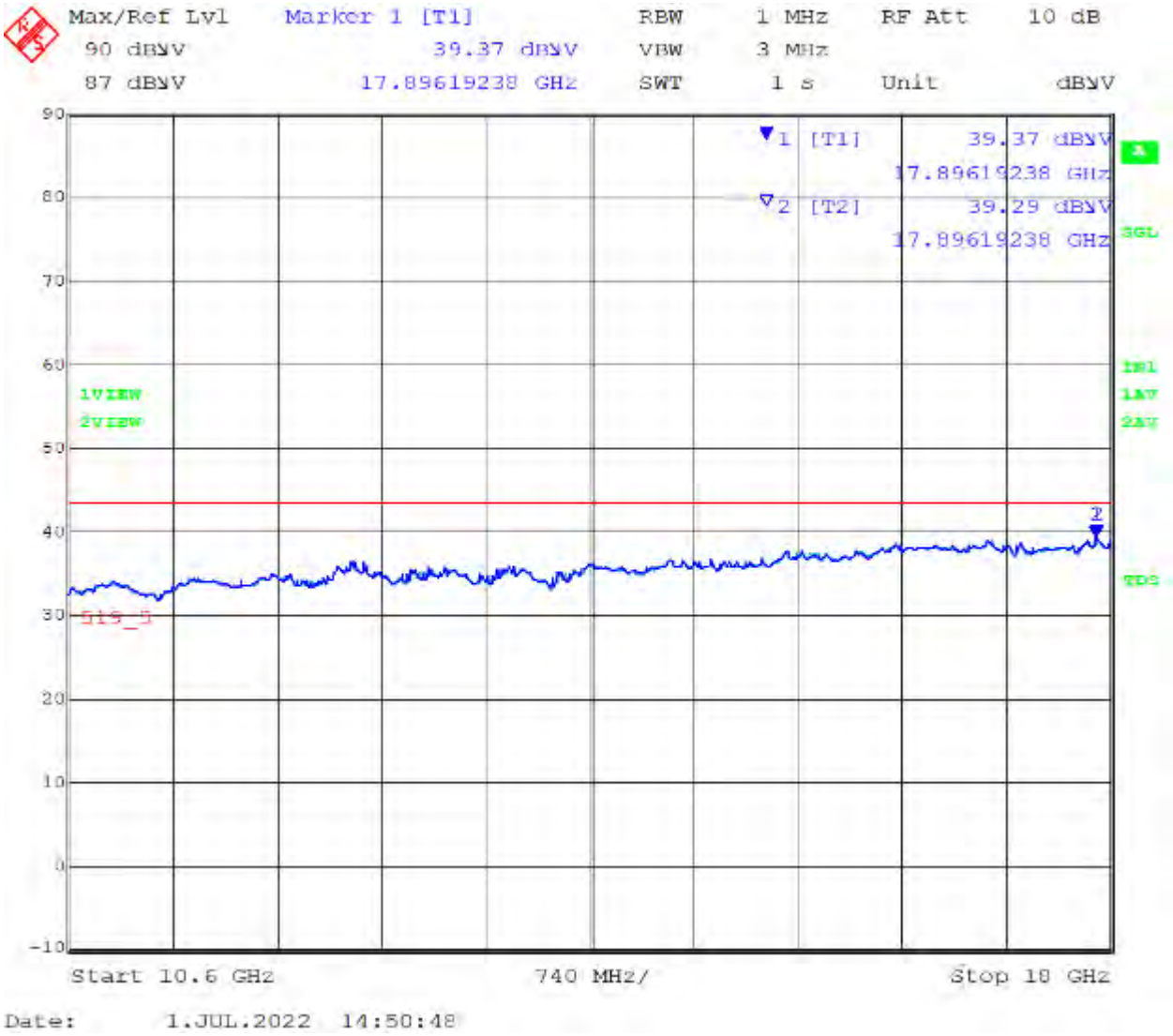
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

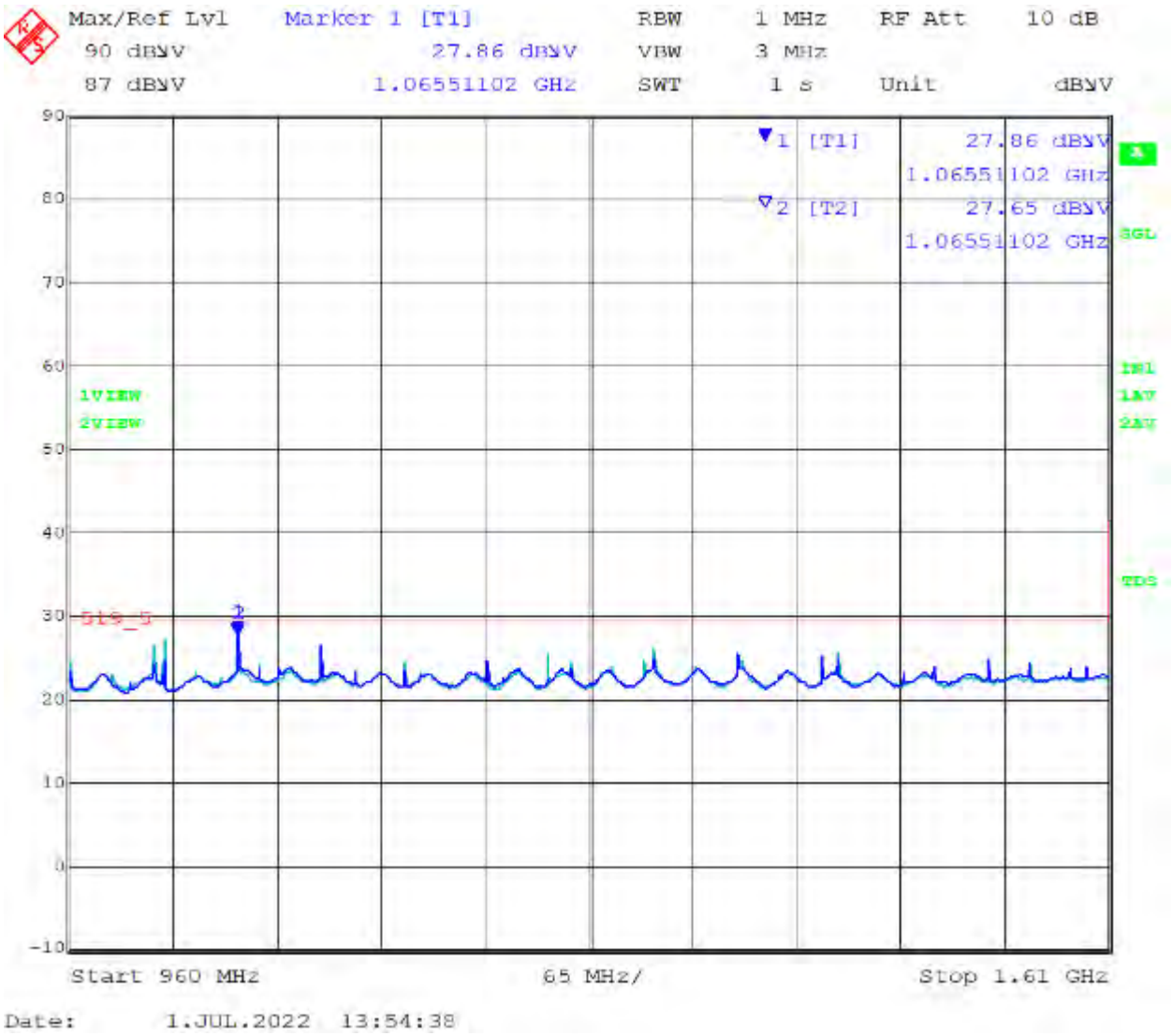
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1610MHz

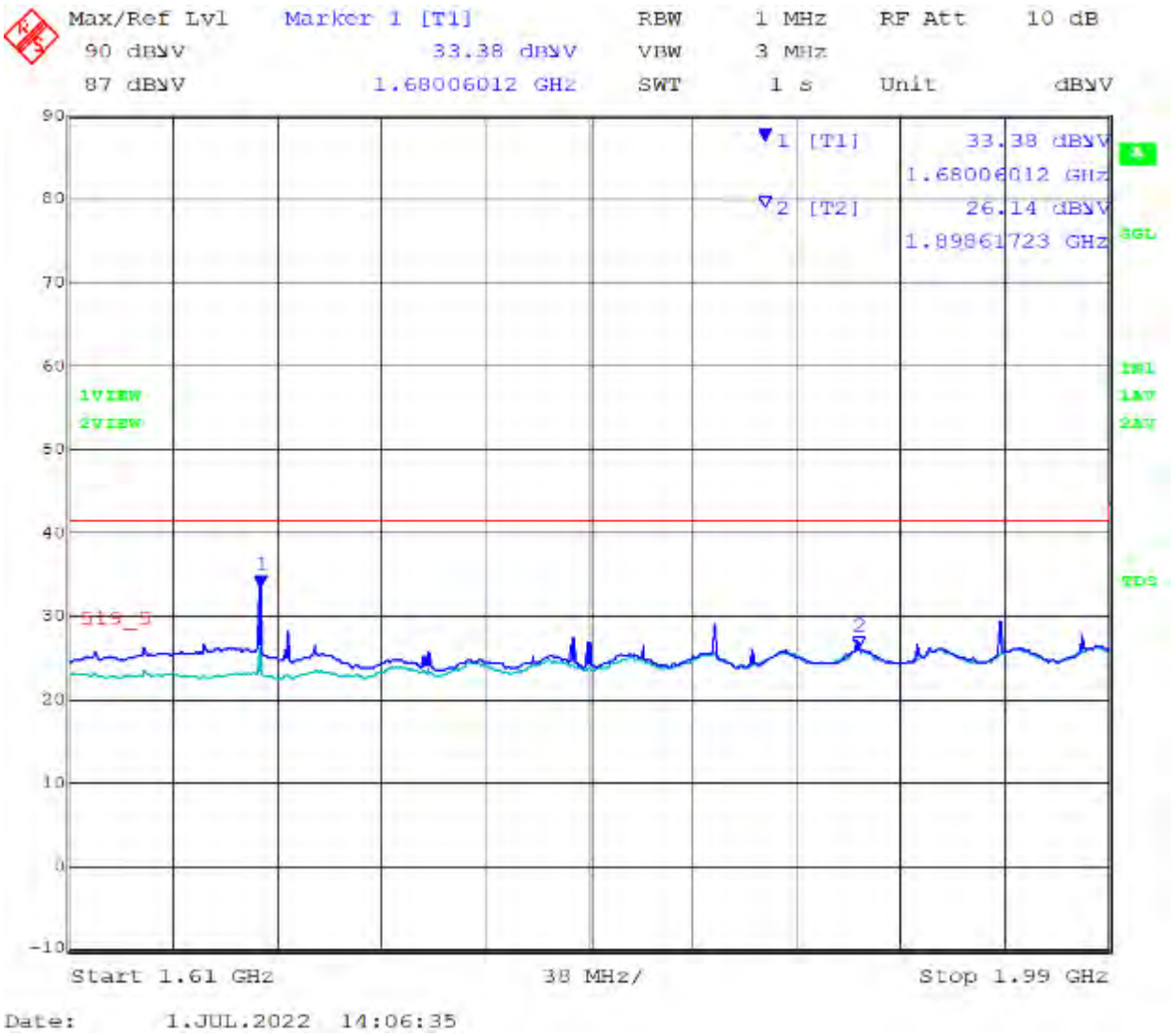
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

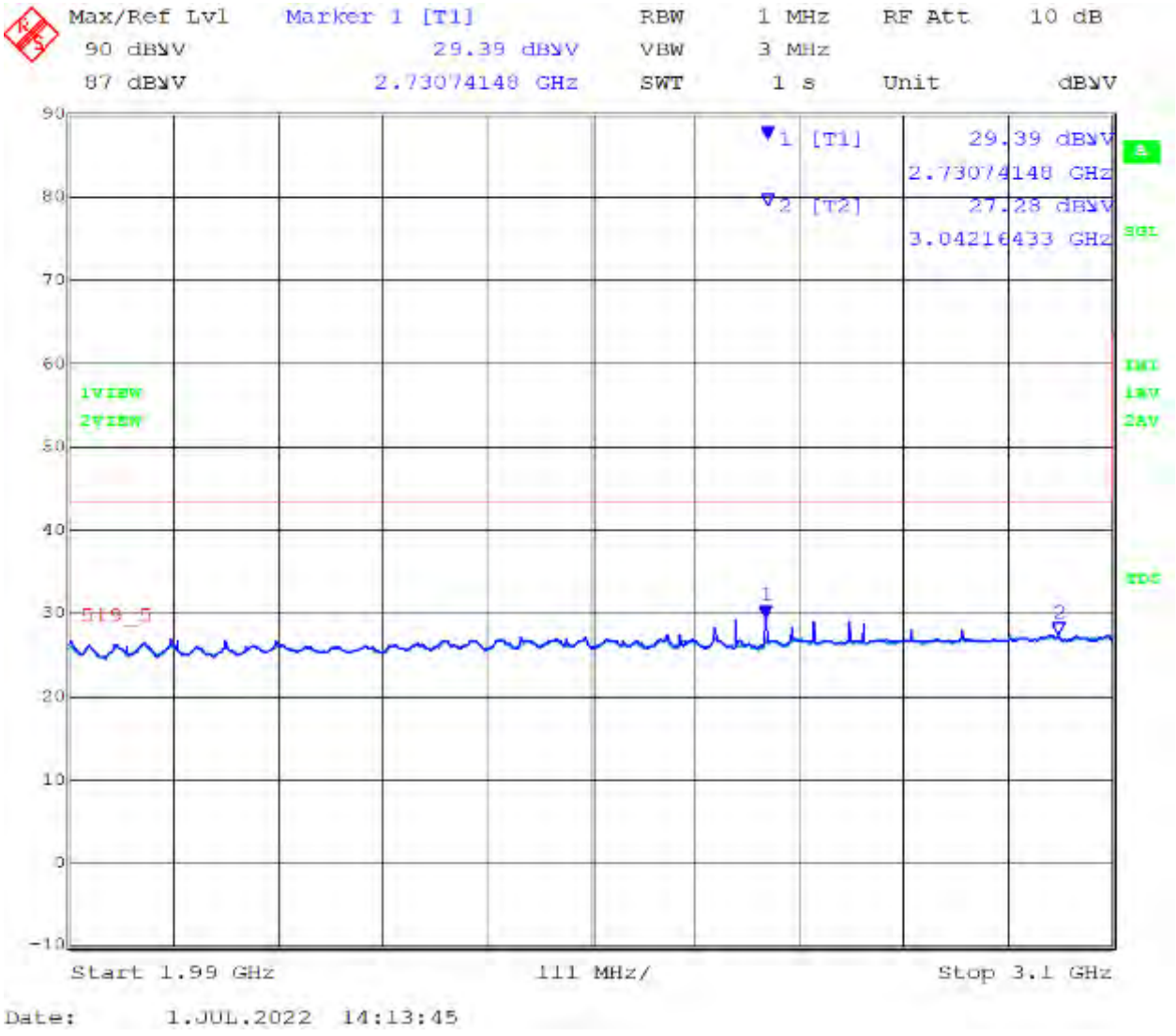
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

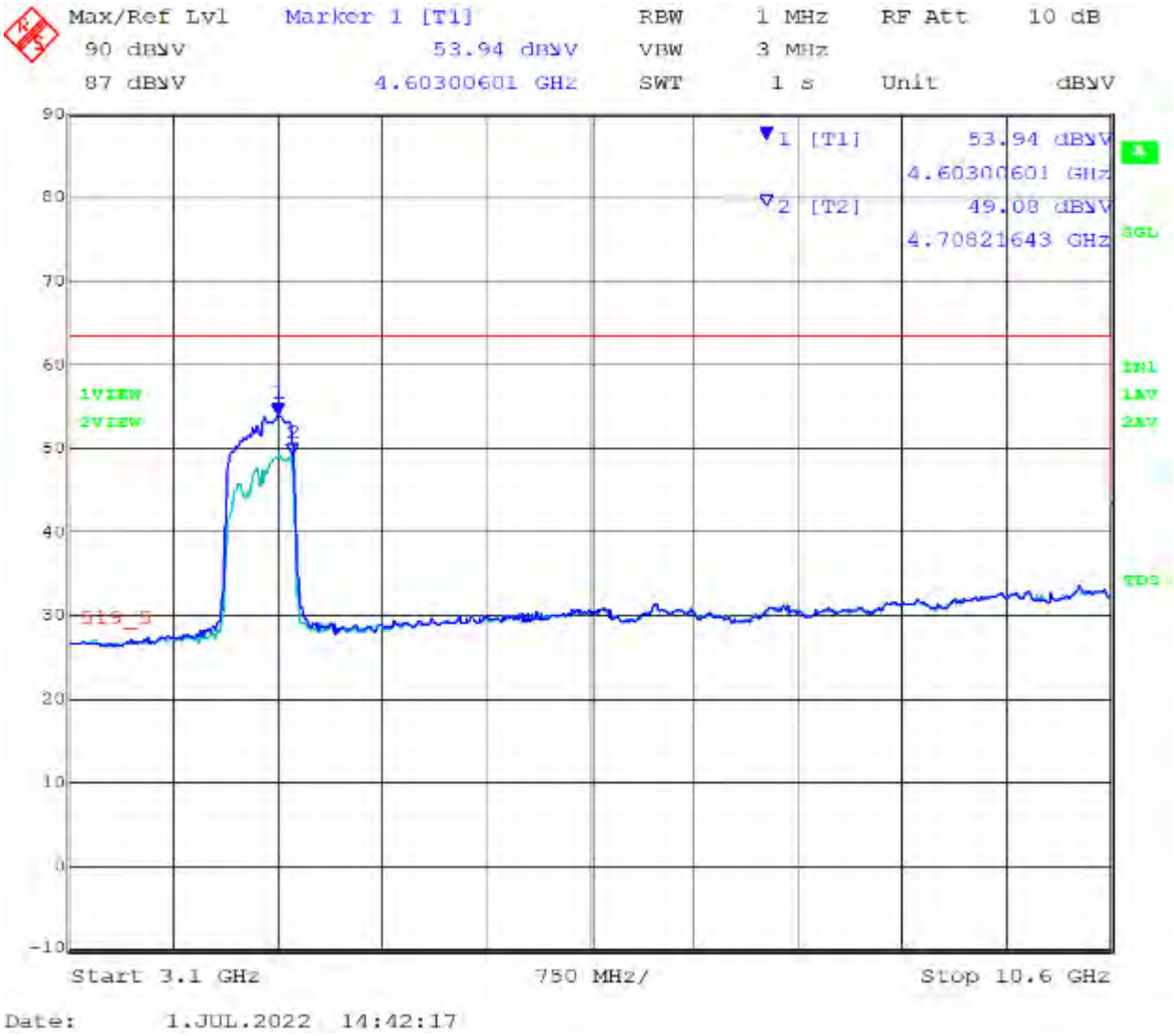
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

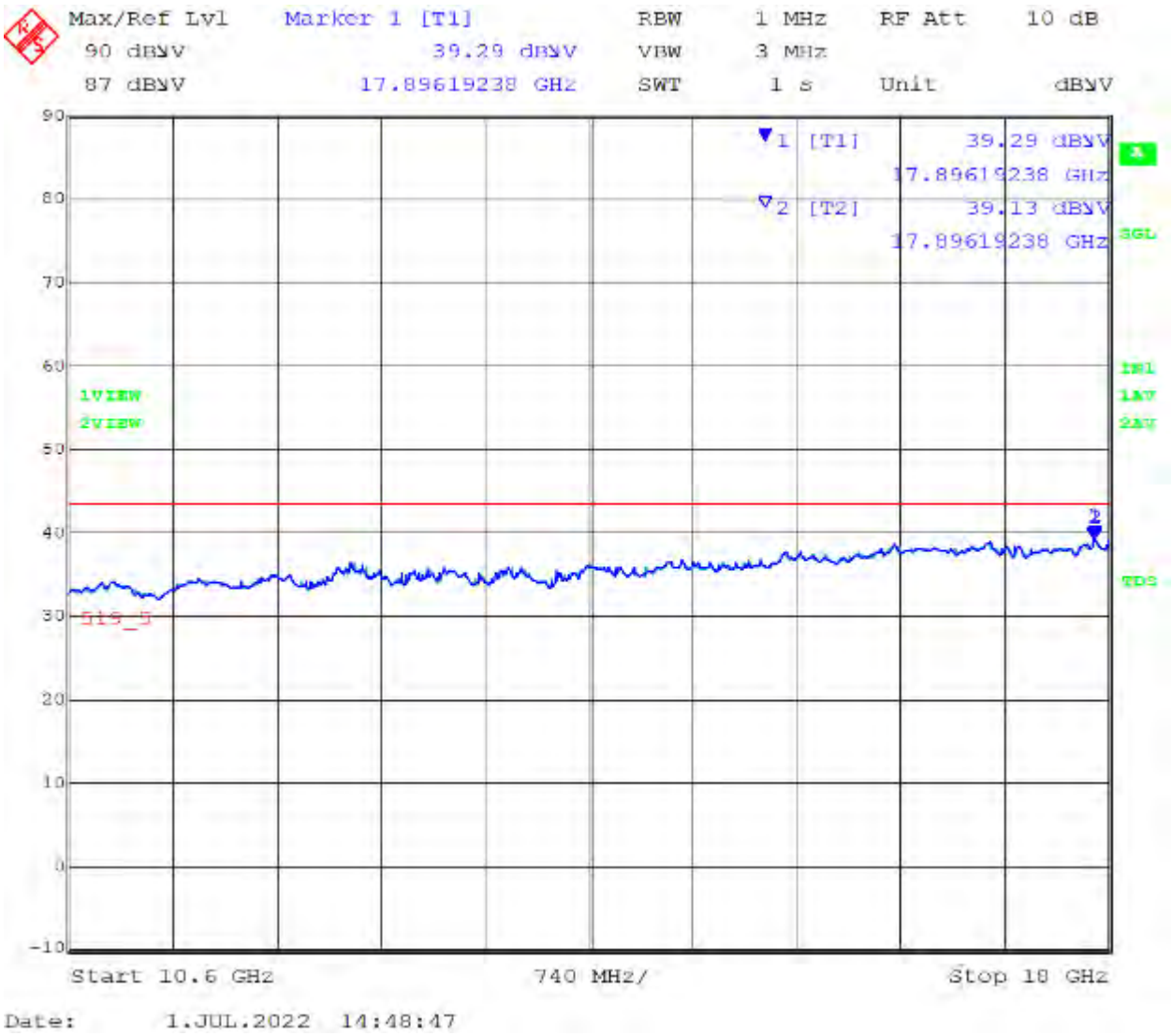
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

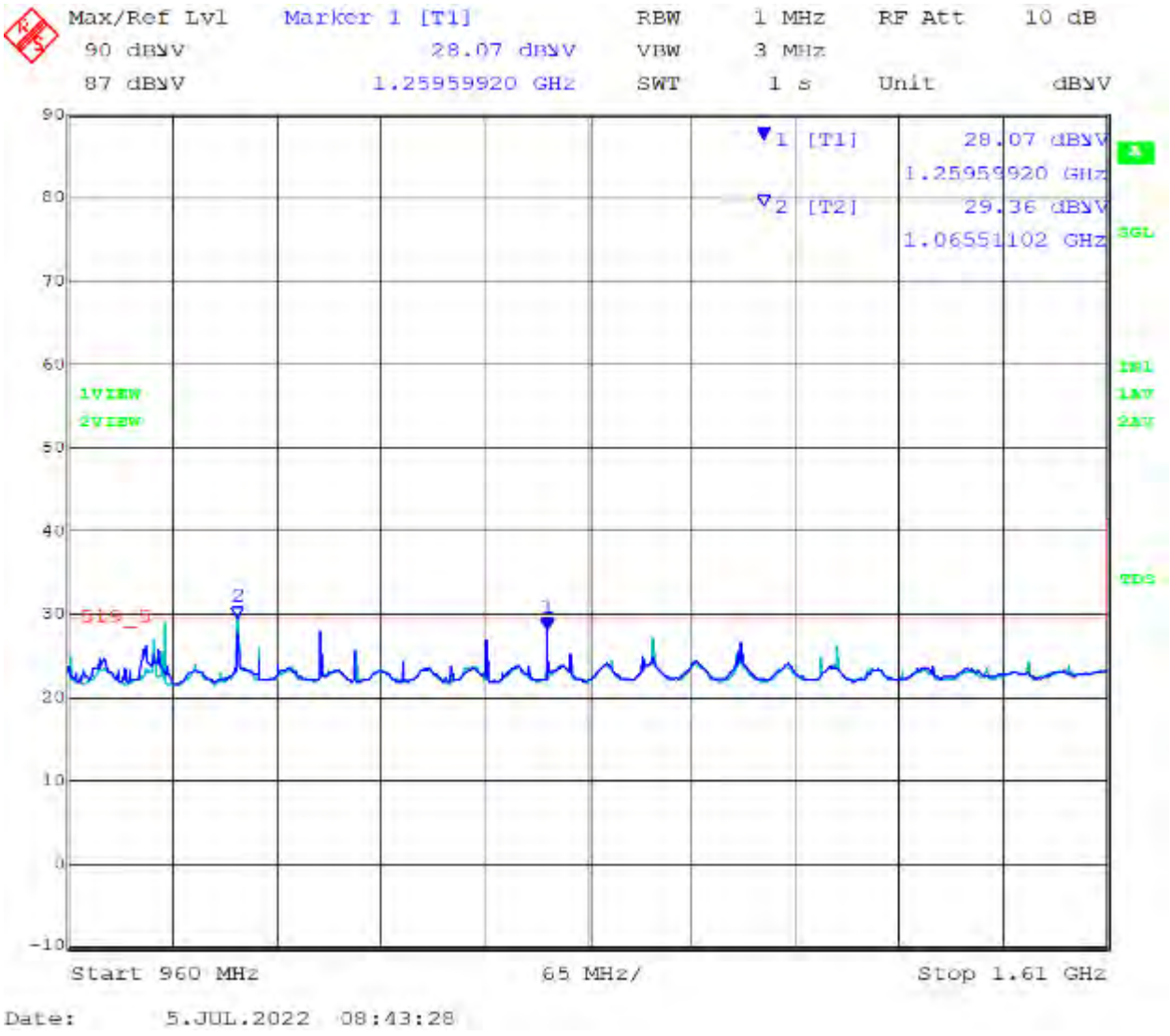


Back to Matrix

A.1.6 Left Patch Antenna Band 3

RADIATED SPURIOUS EMISSIONS 960-1610MHz

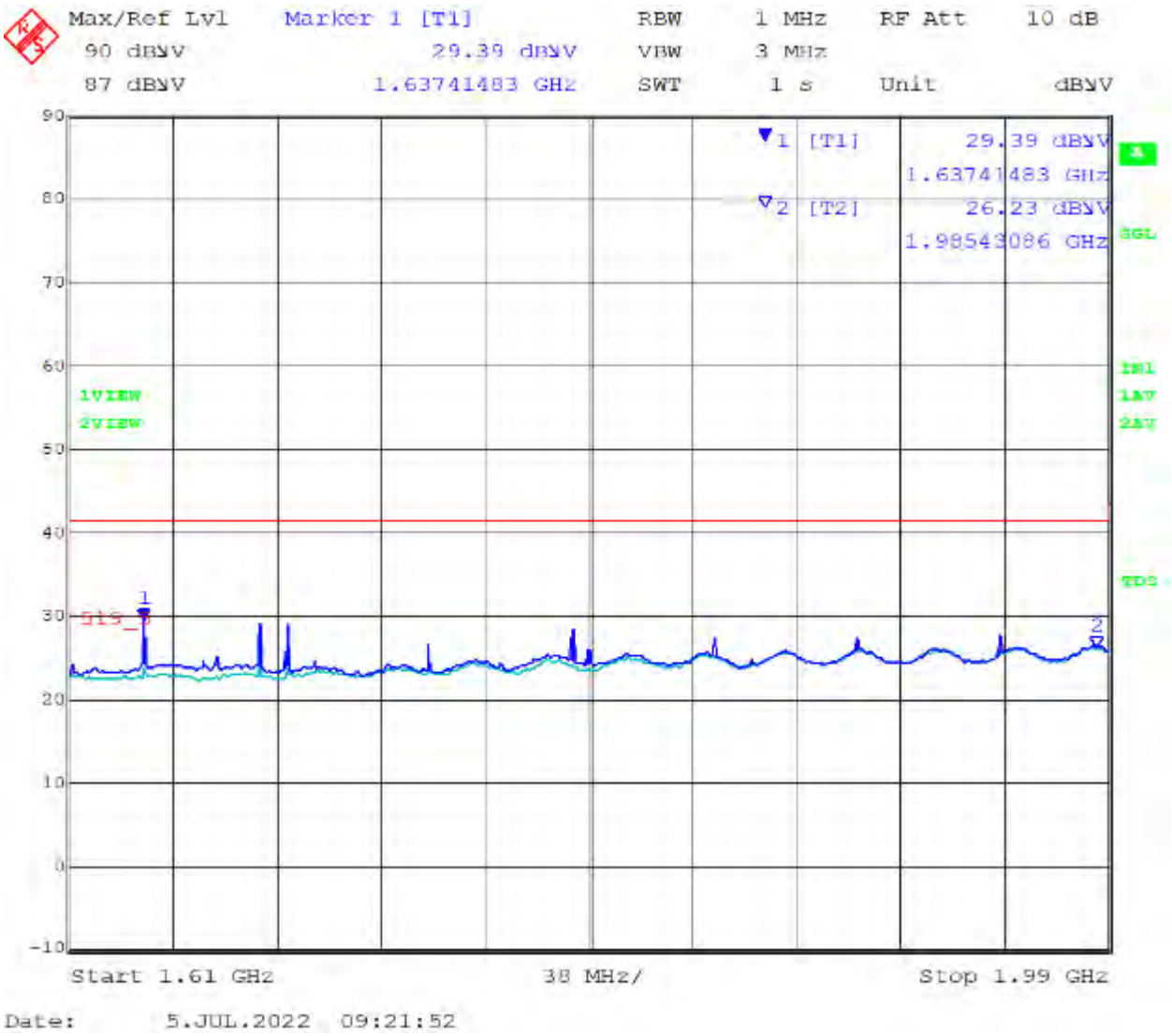
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

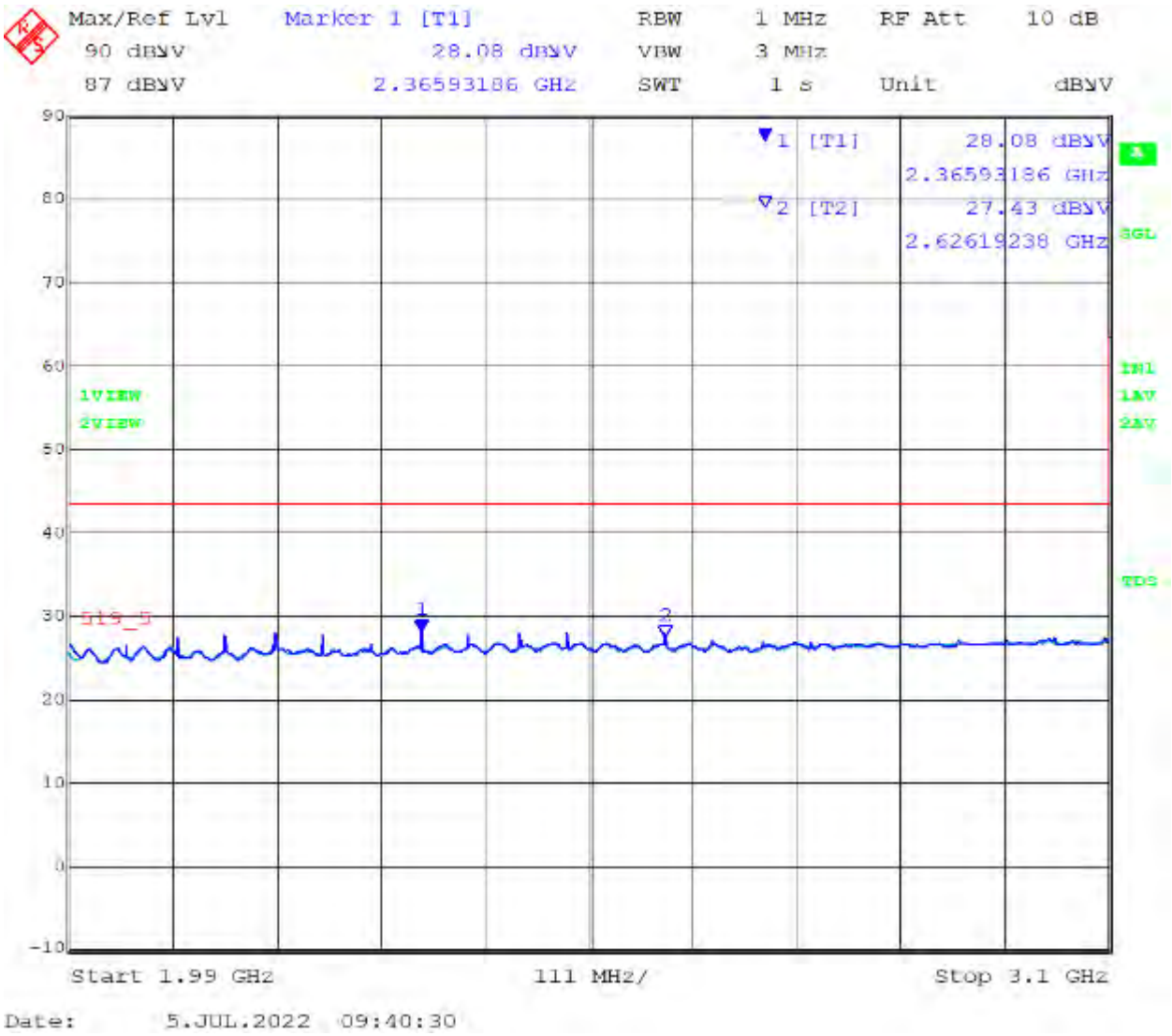
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

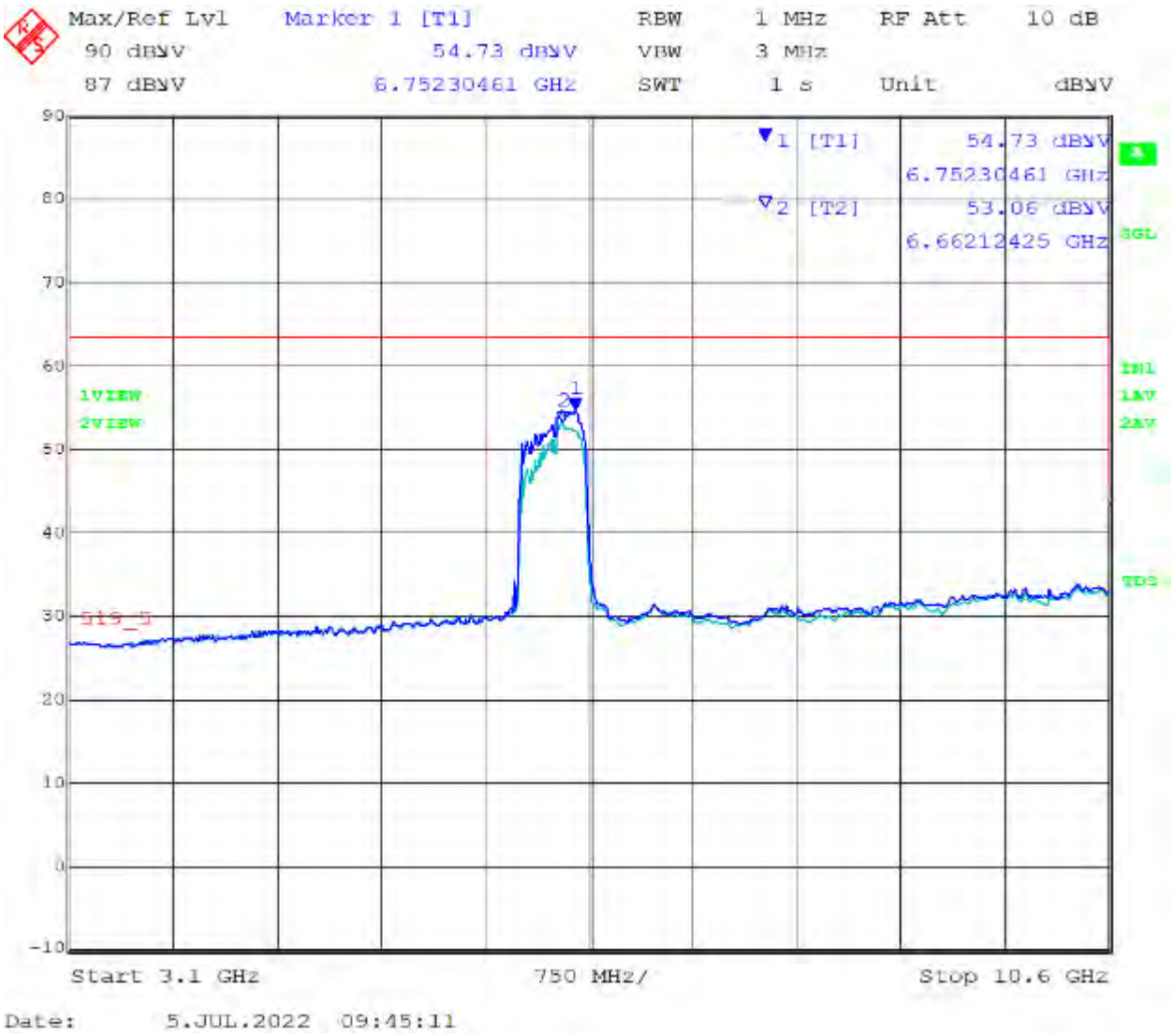
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

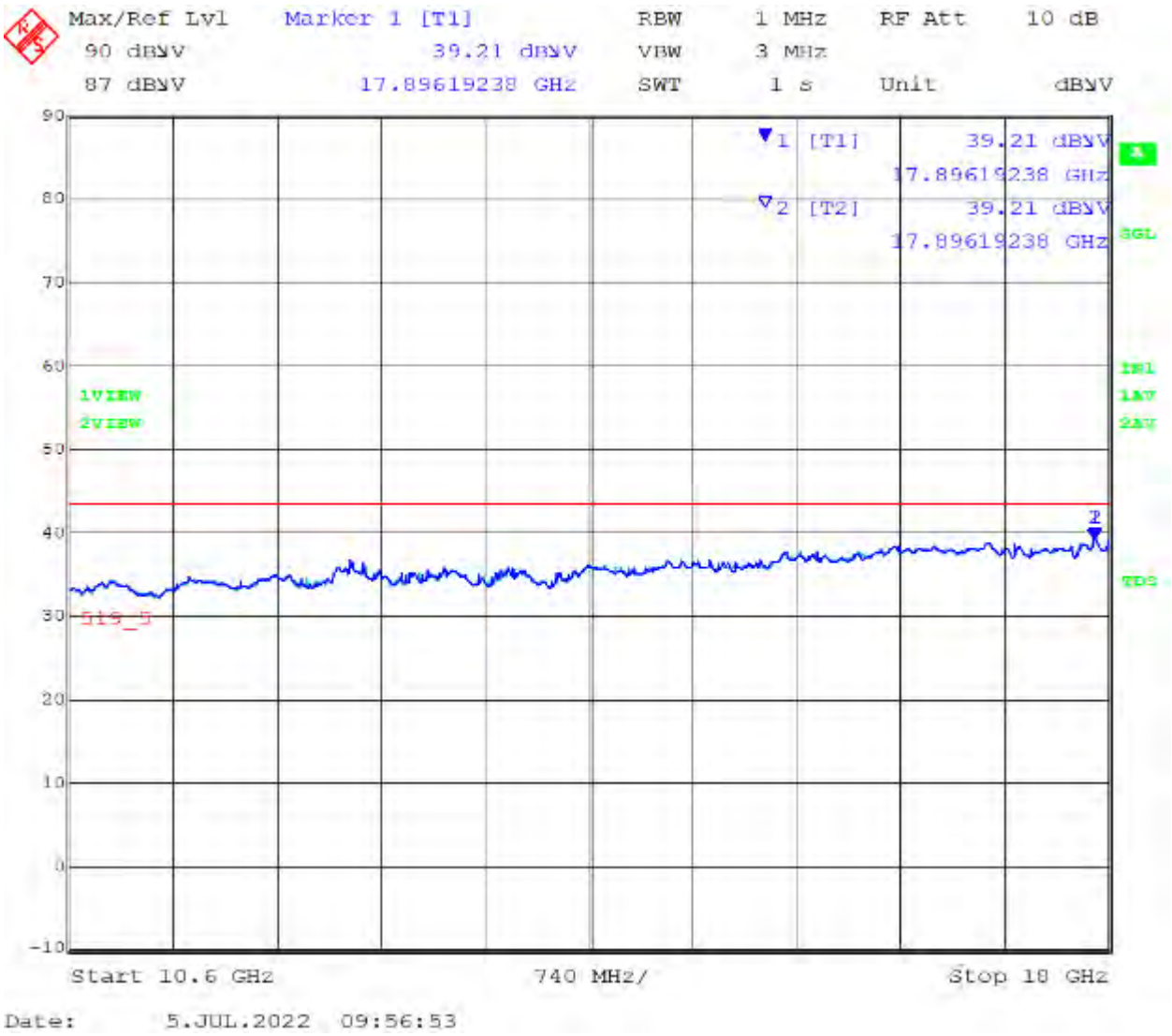
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

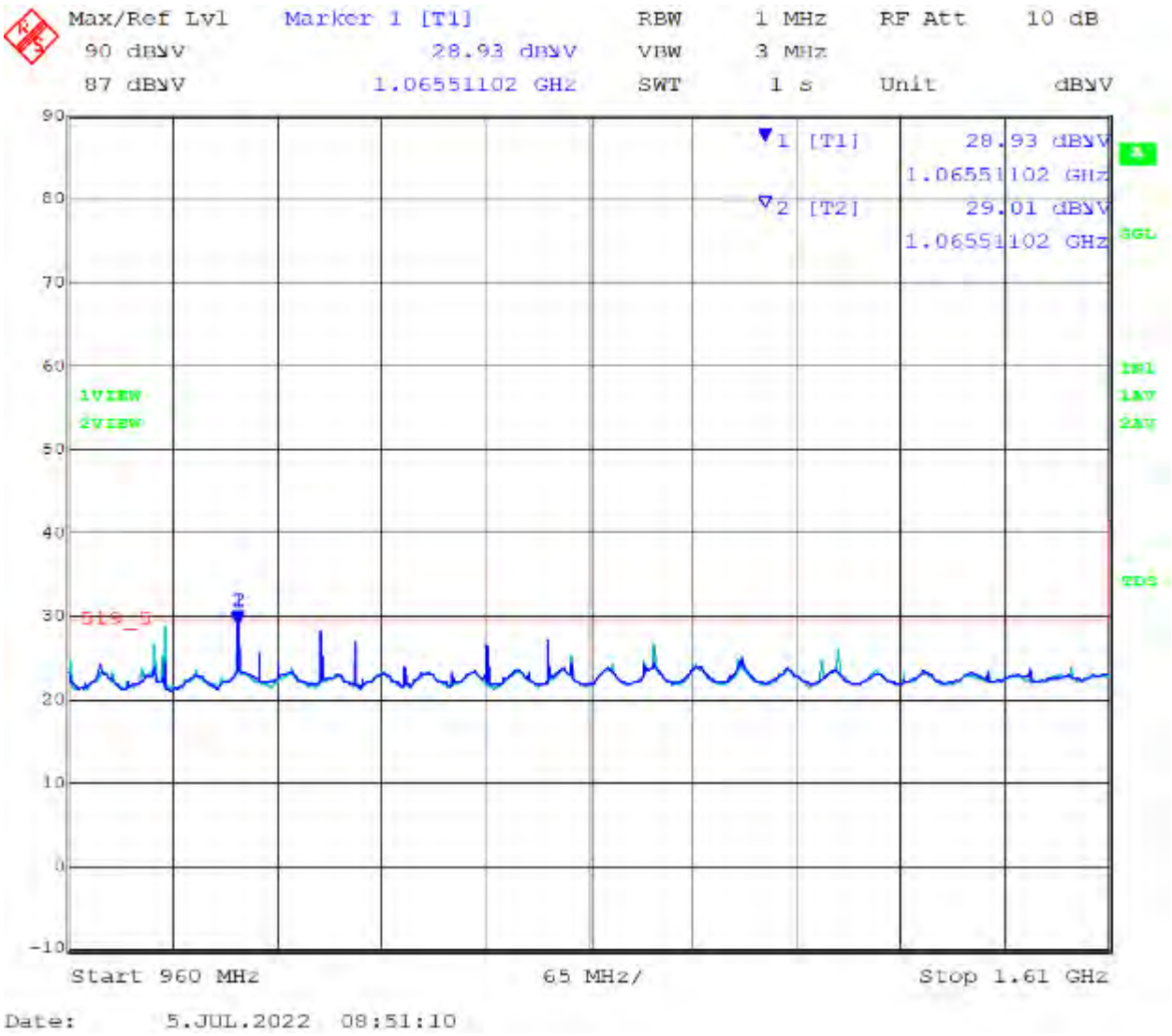
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1610MHz

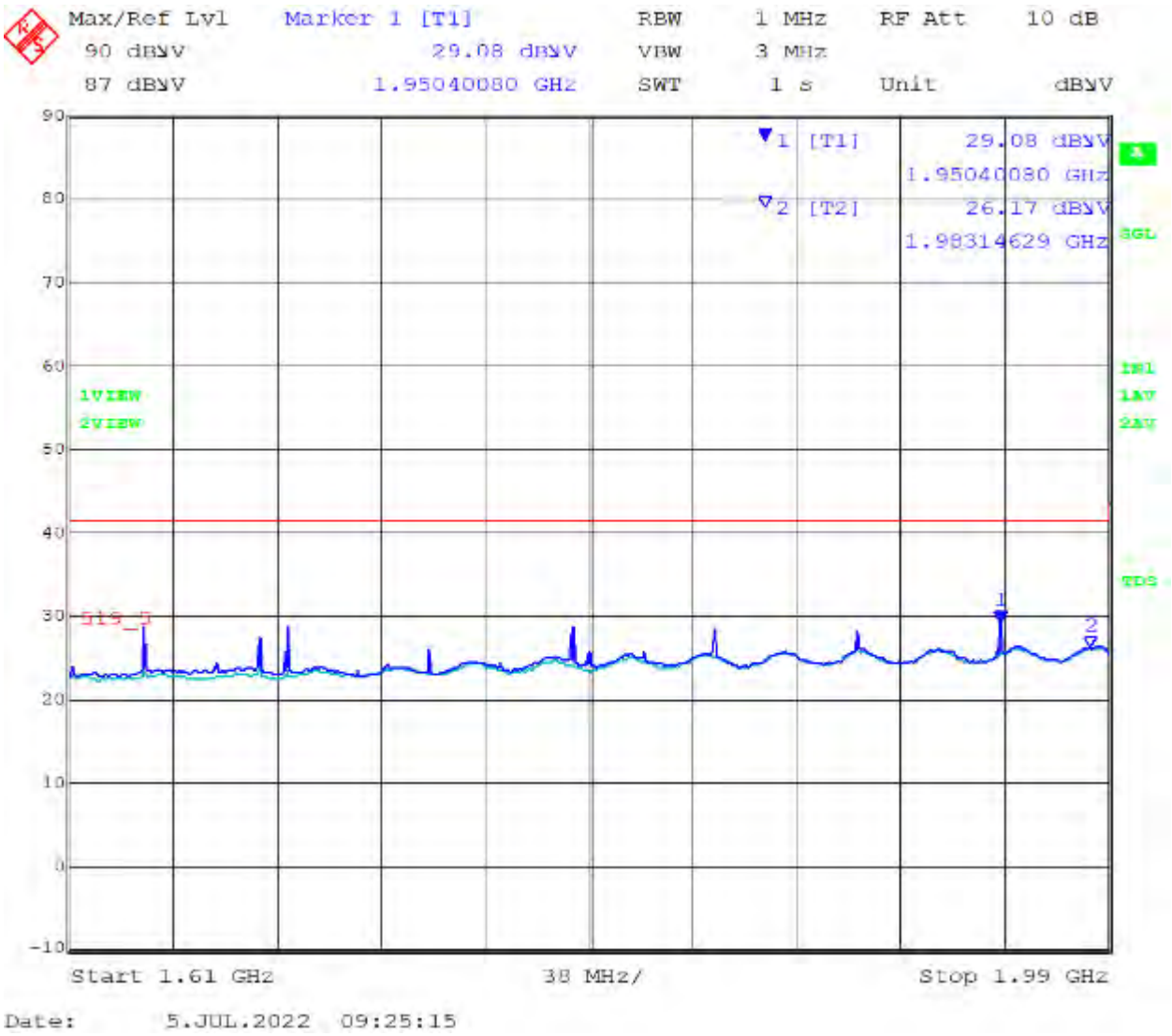
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

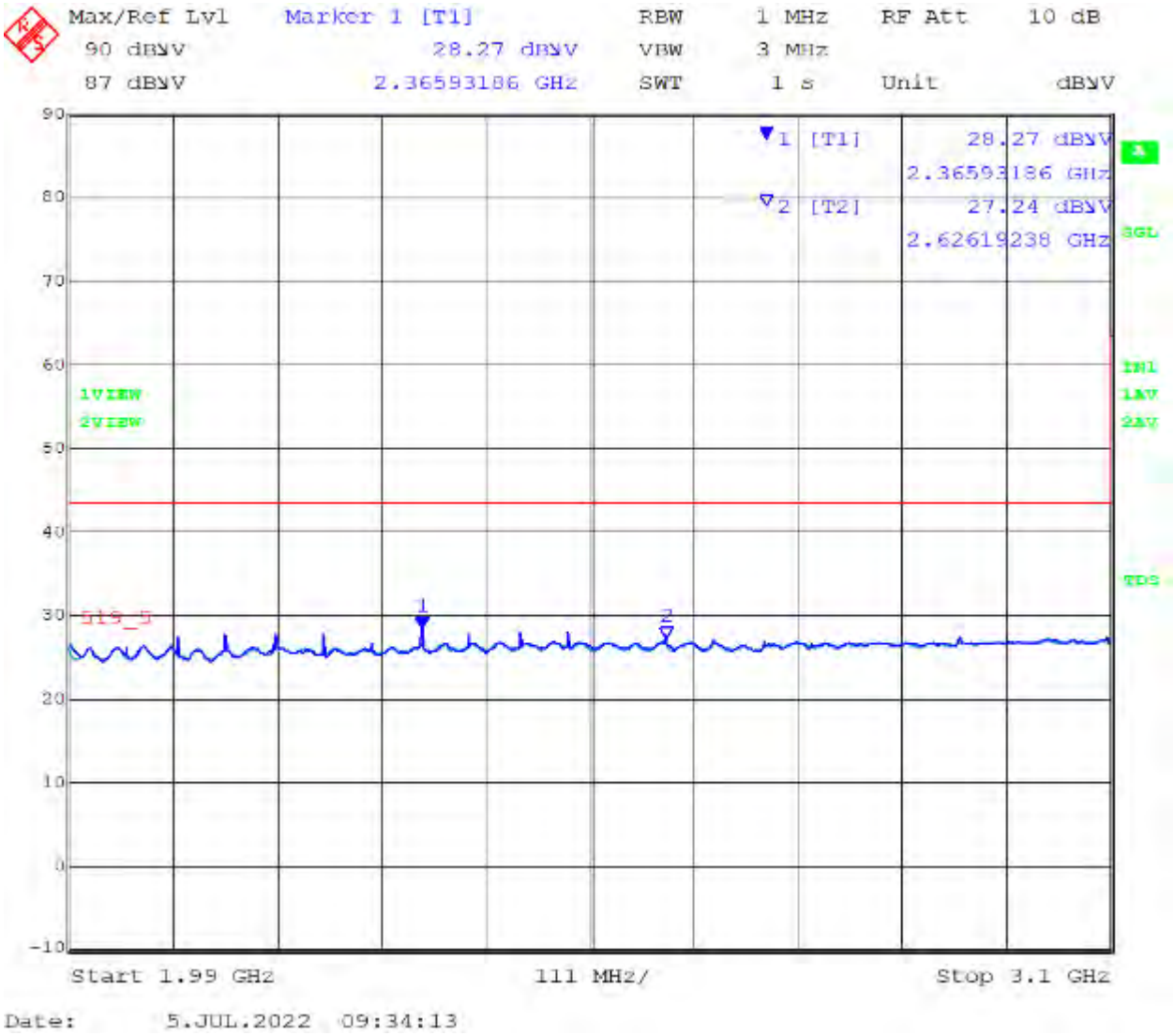
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

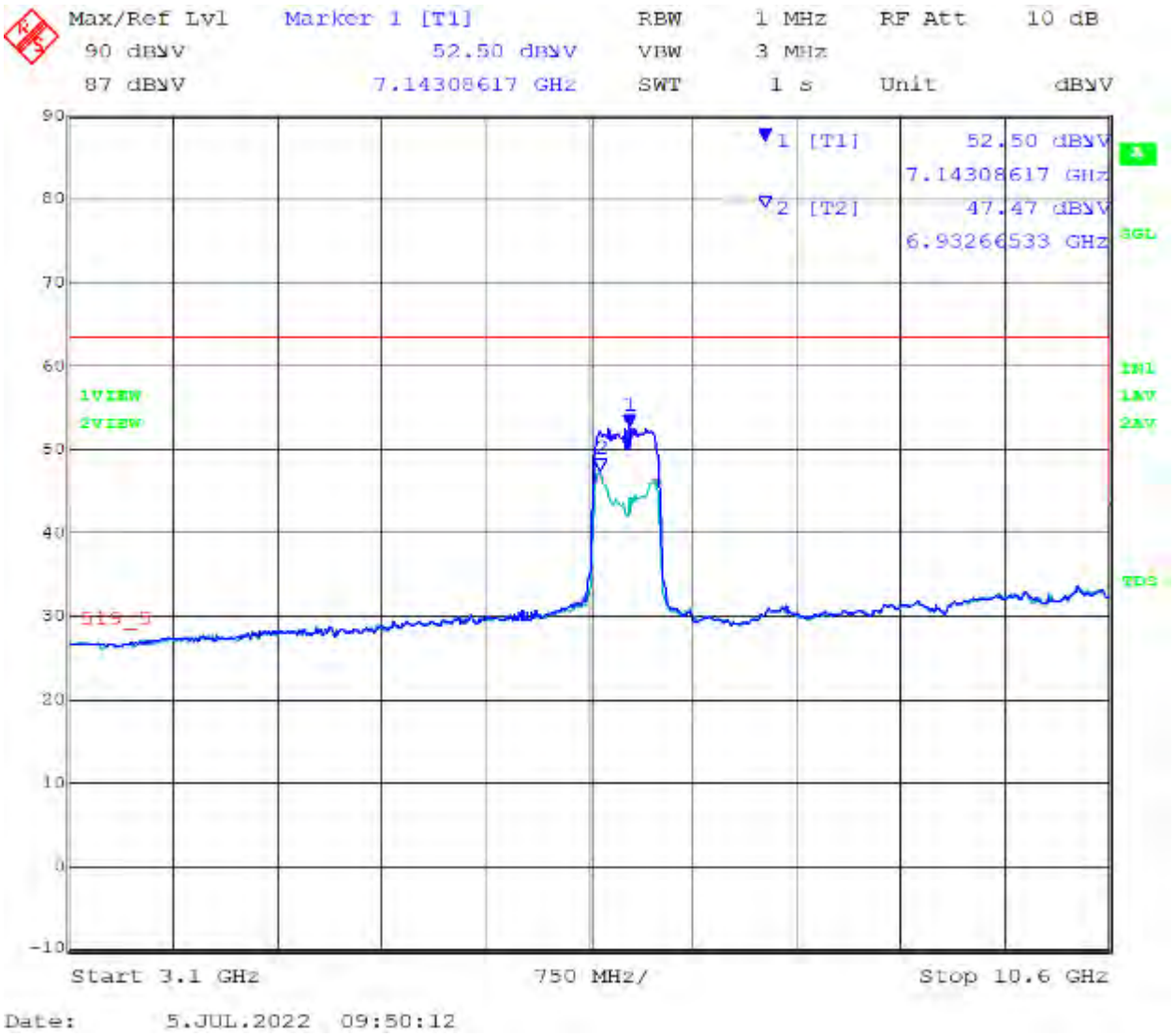
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

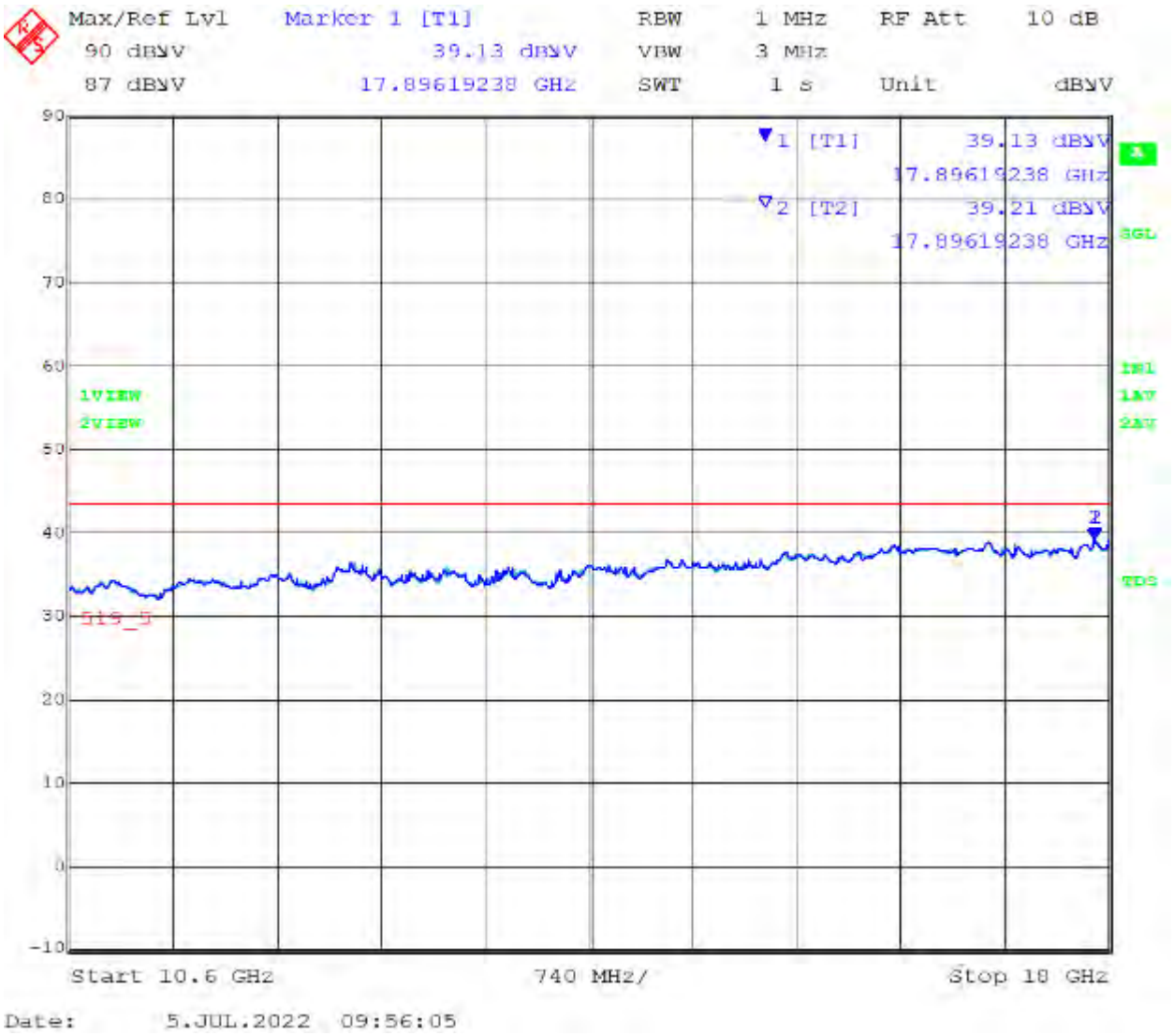
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

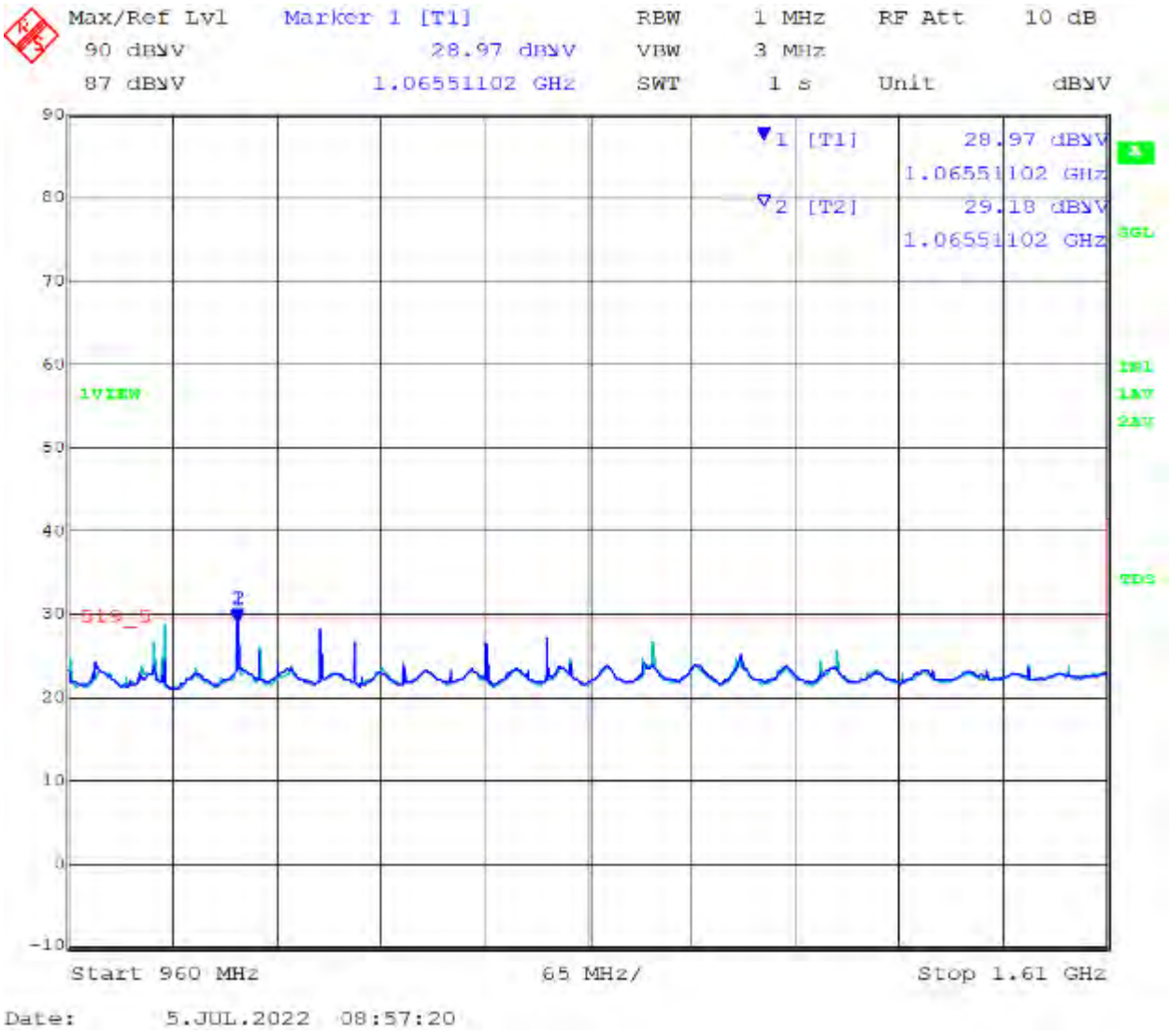


Back to Matrix

A.1.7Left Patch Antenna Band 3 & 6

RADIATED SPURIOUS EMISSIONS 960-1610MHz

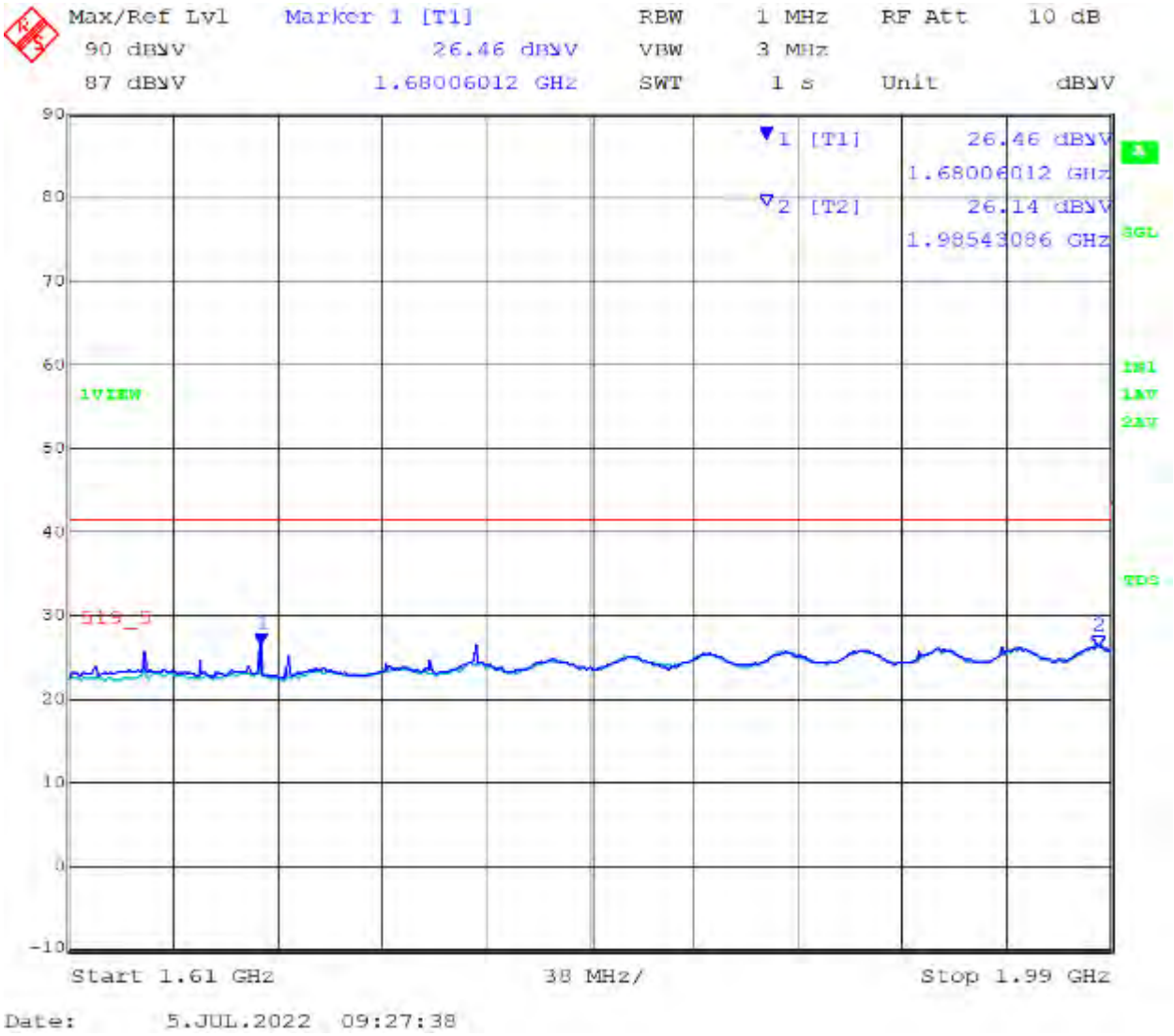
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

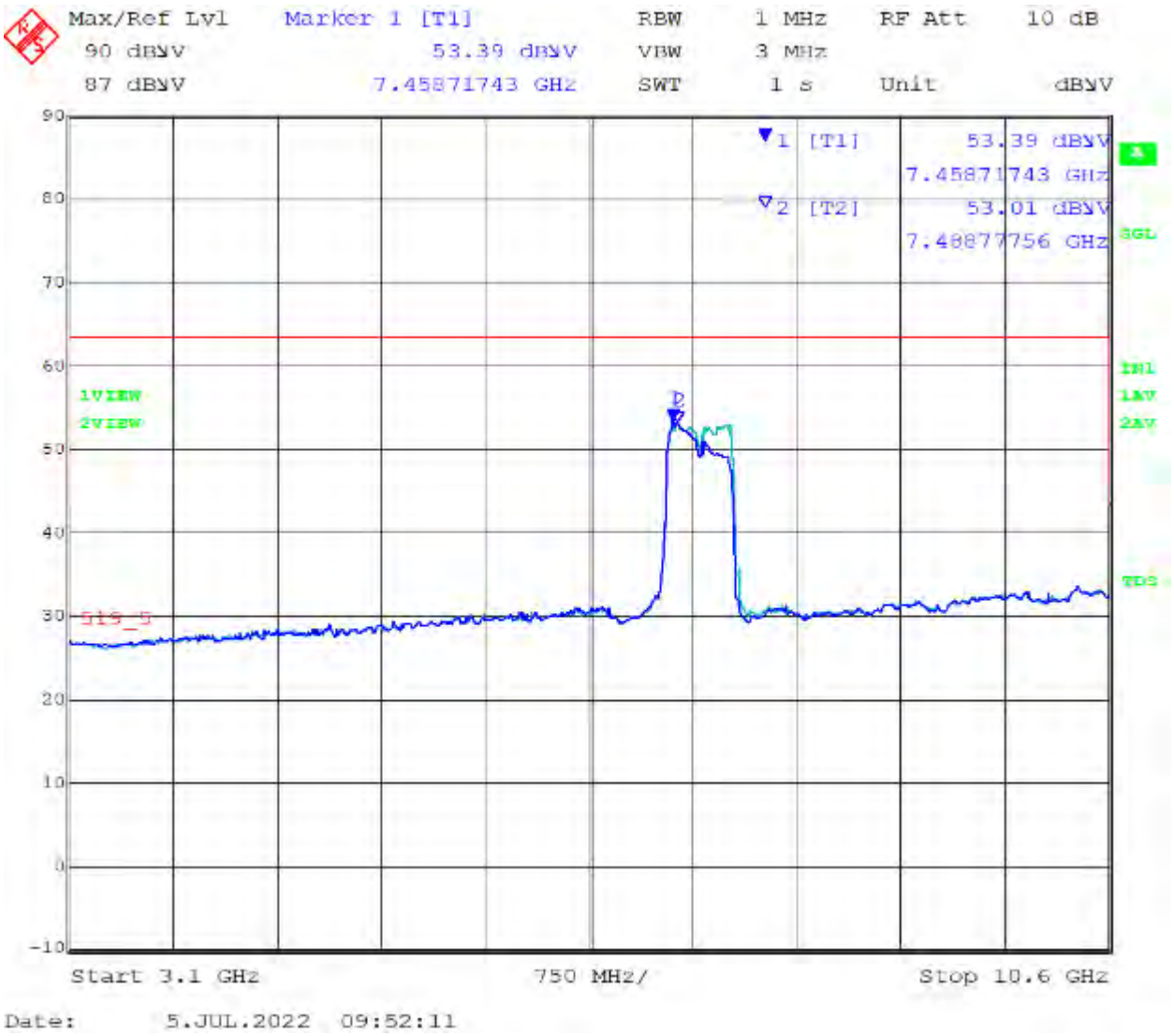
RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

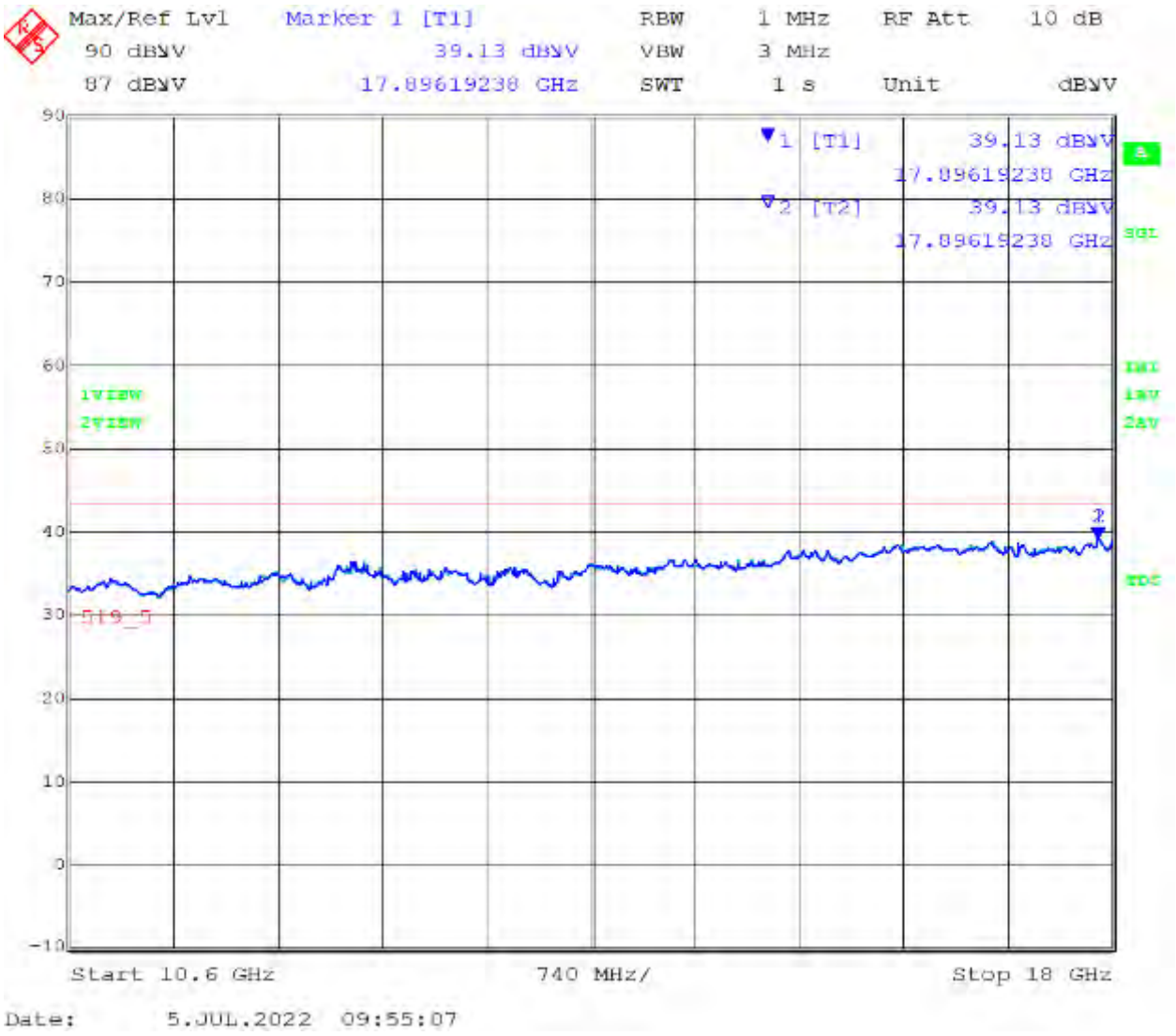
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

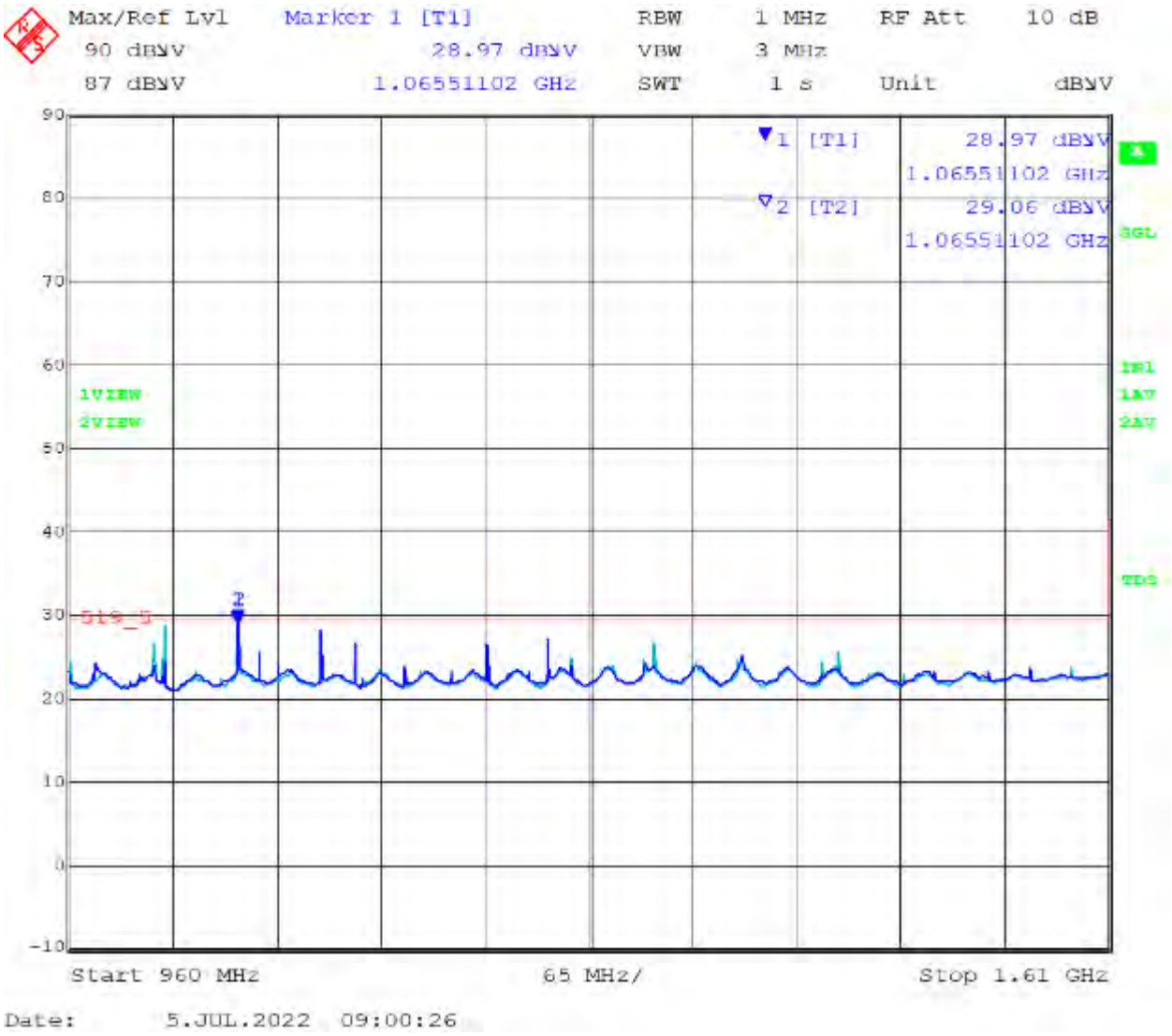


Back to Matrix

A.1.8 Left Patch Antenna Band 6

RADIATED SPURIOUS EMISSIONS 960-1610MHz

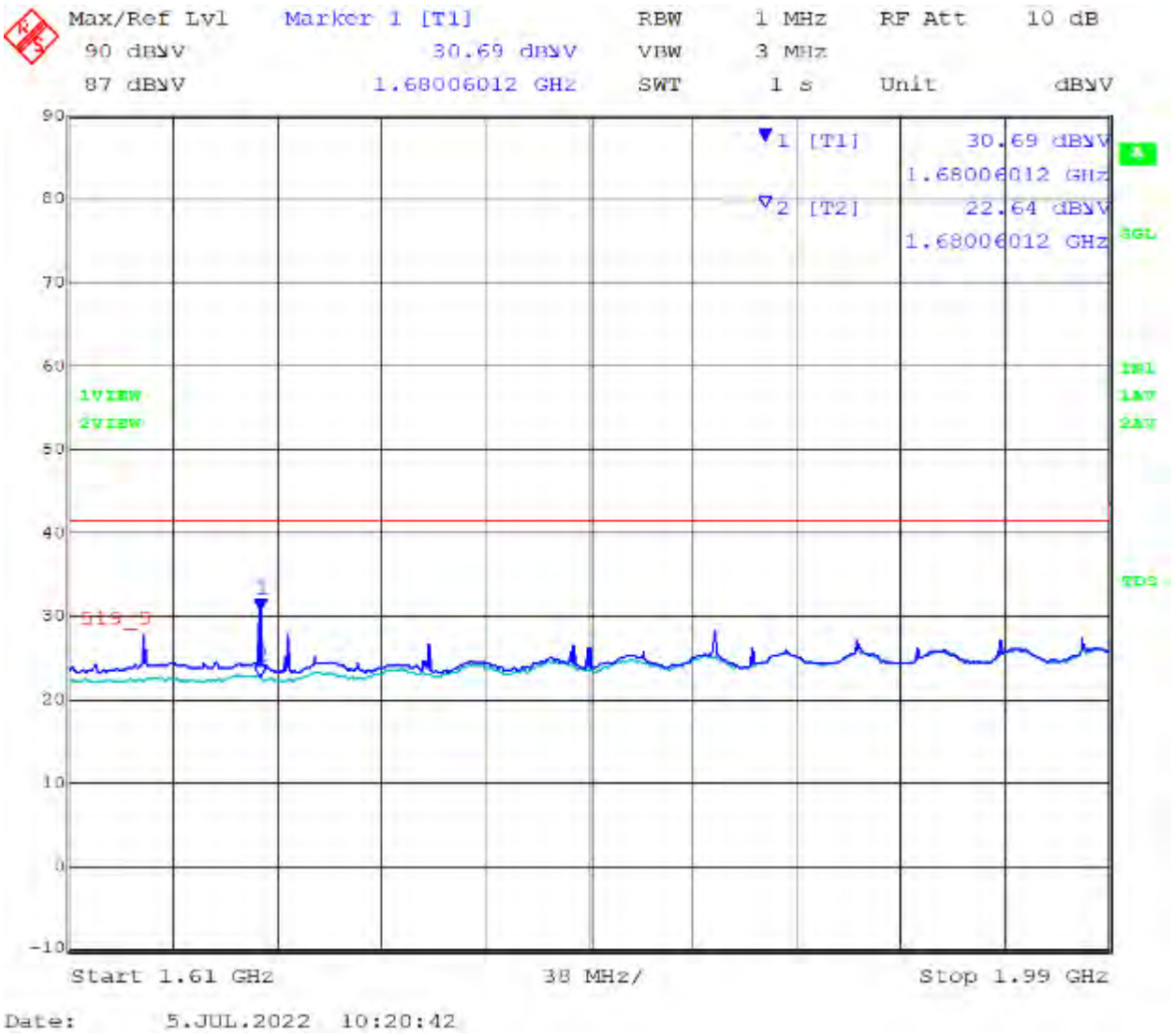
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

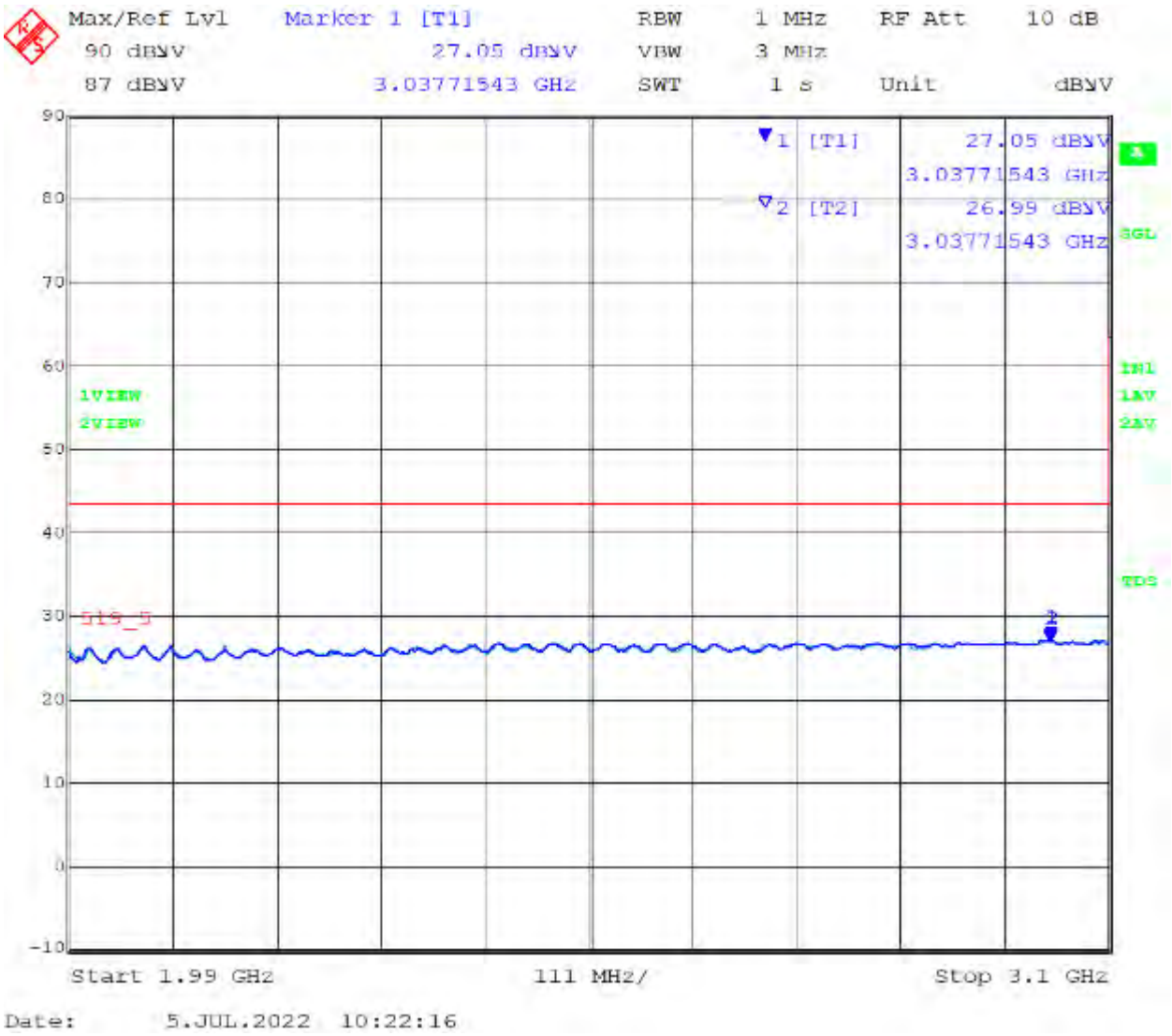
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

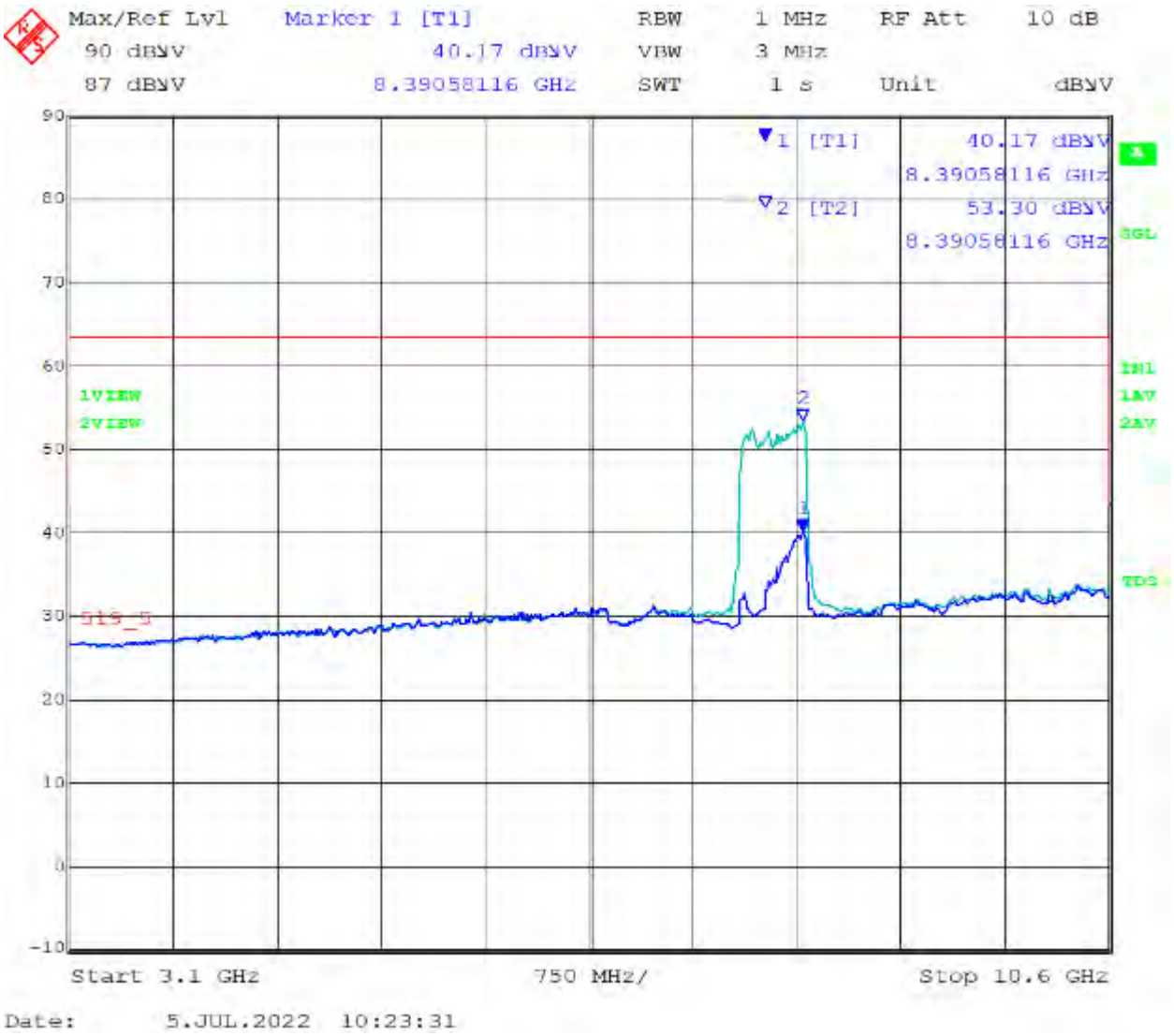
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

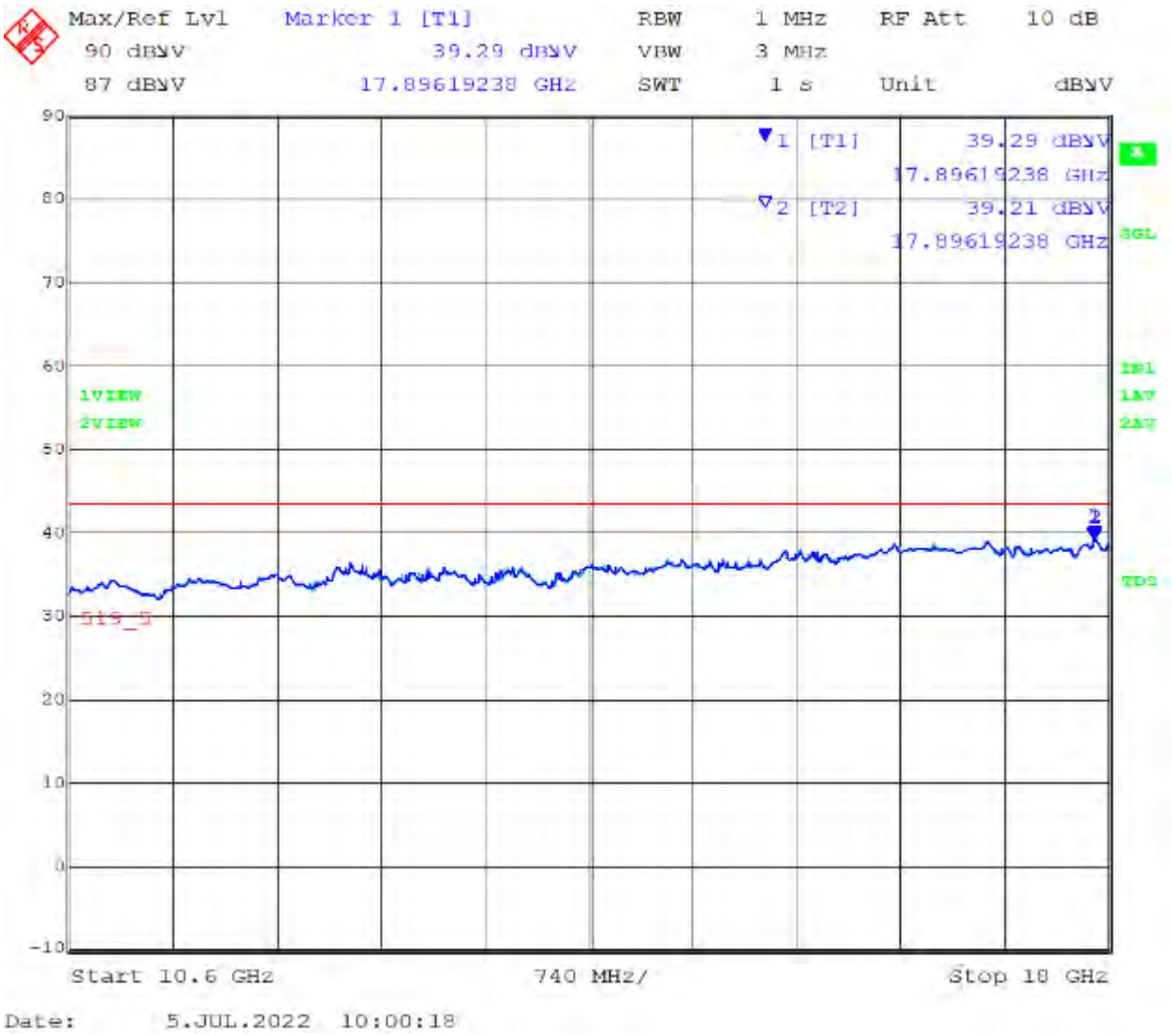
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

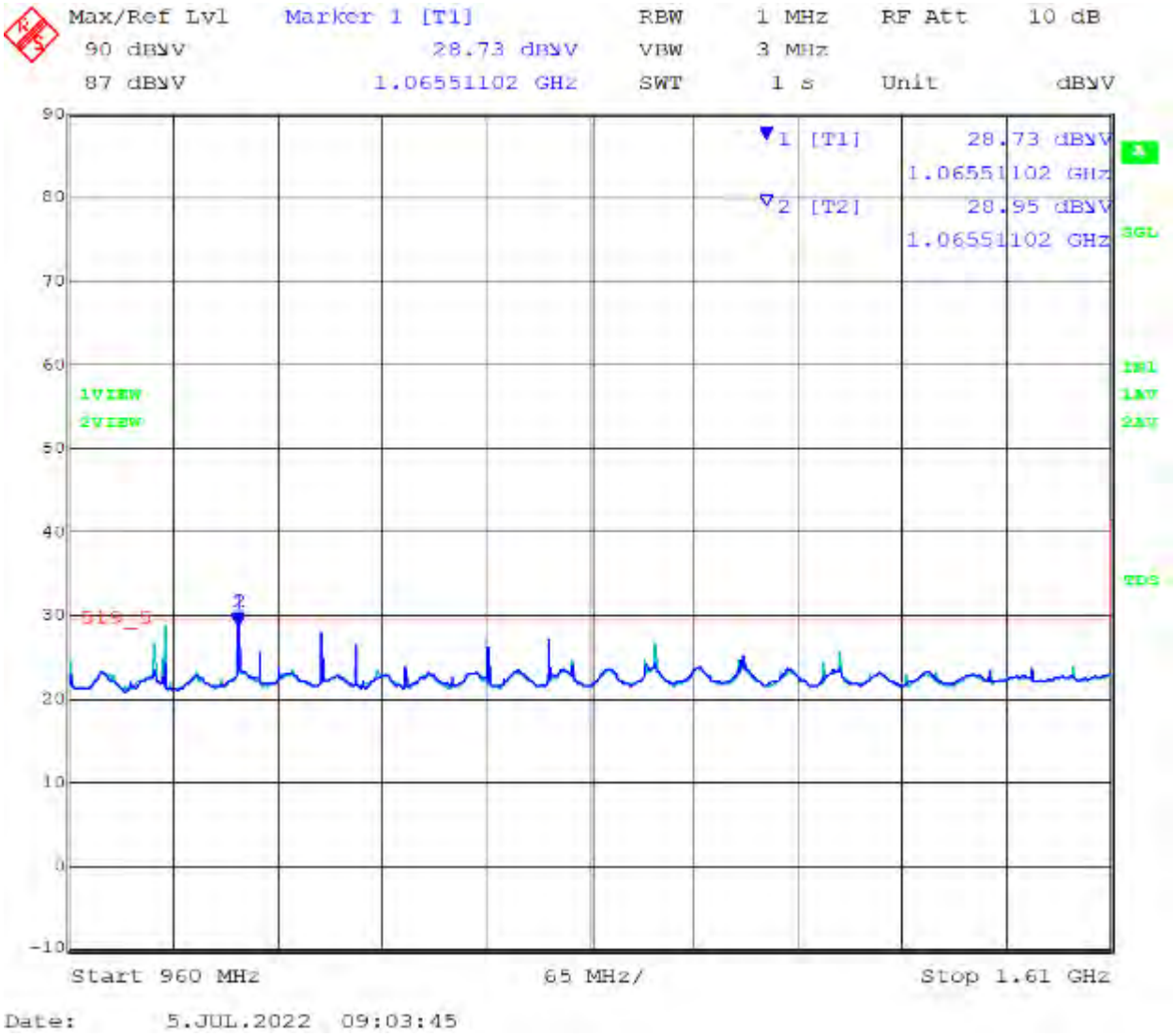
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1610MHz

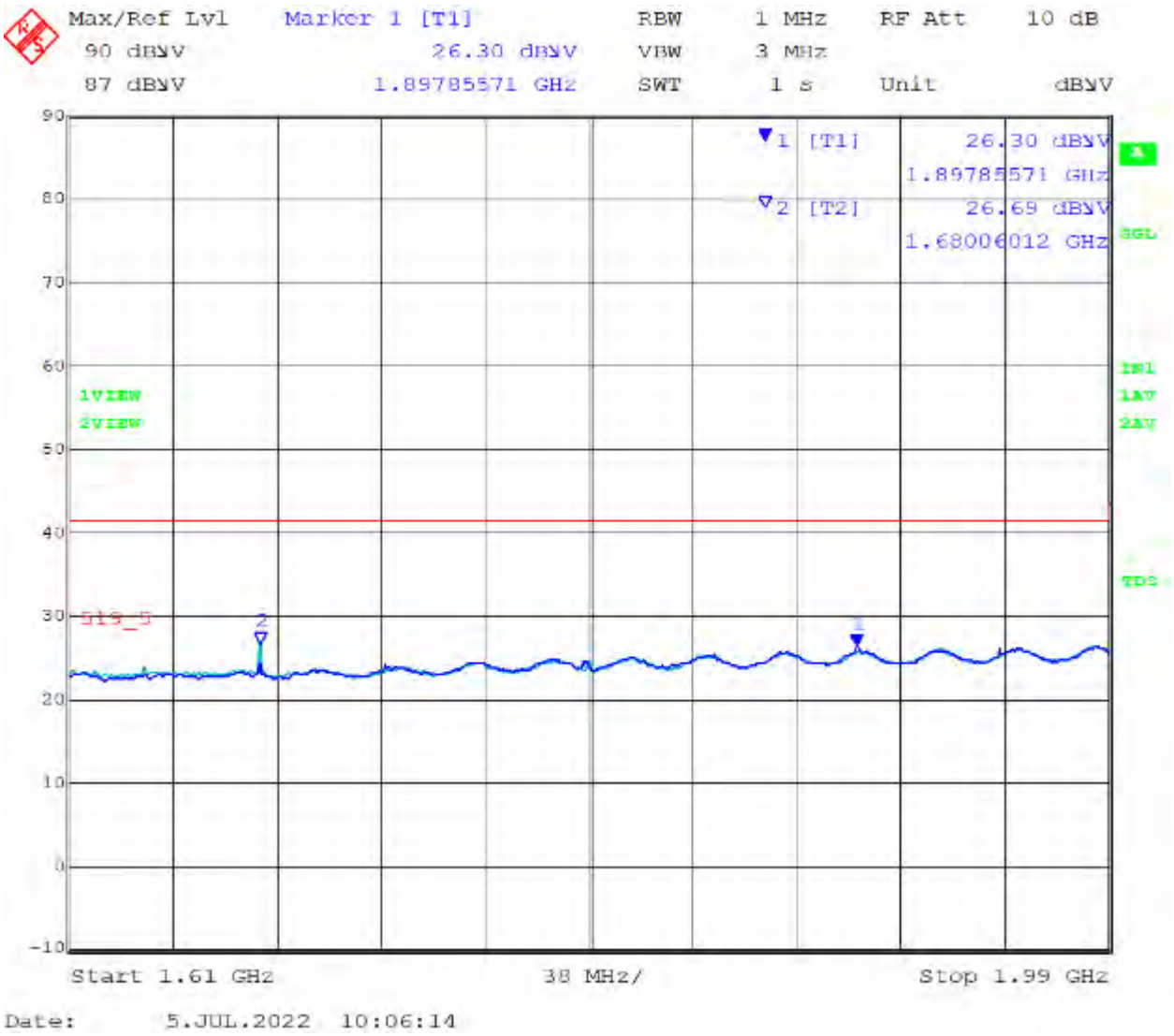
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

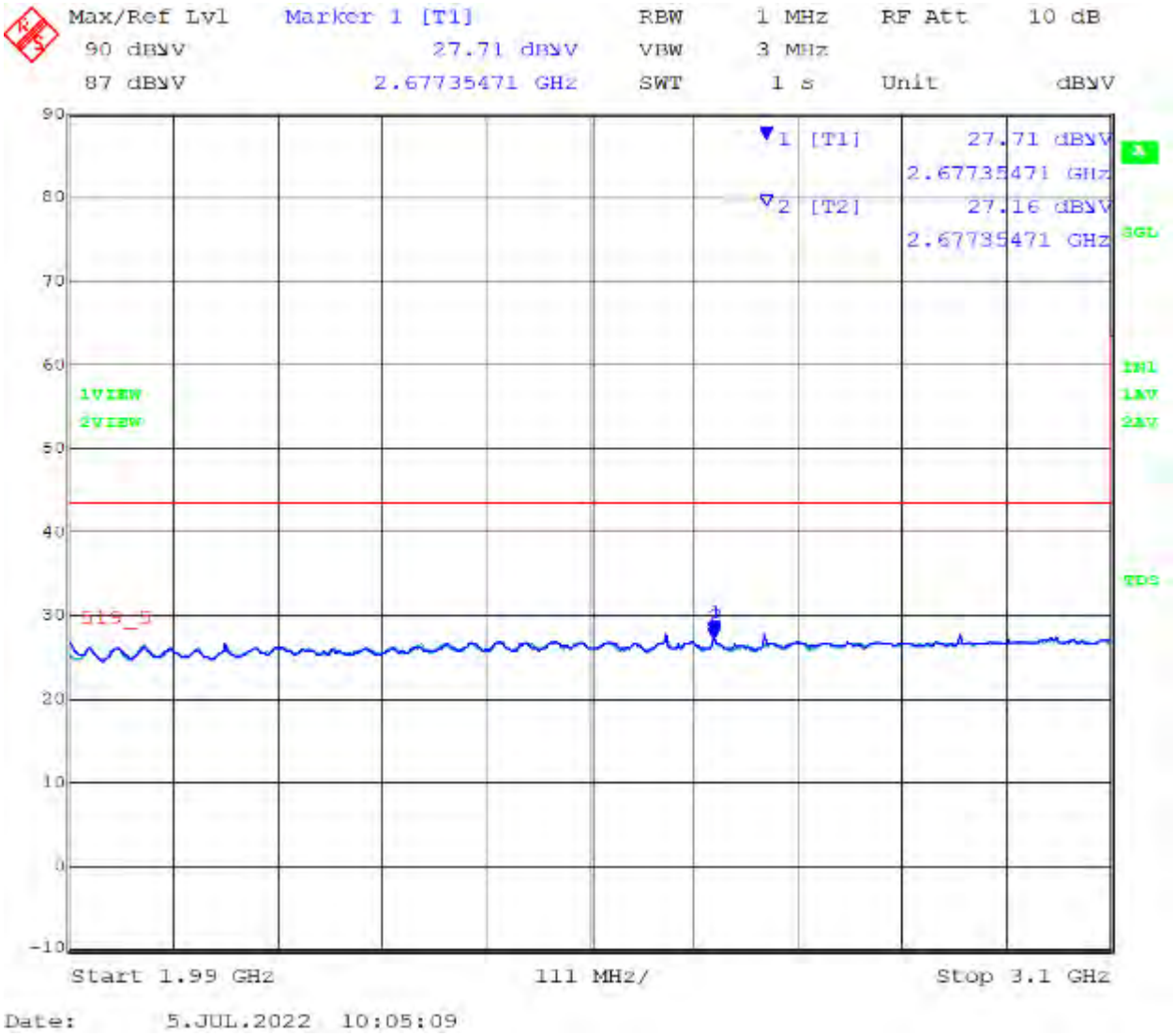
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

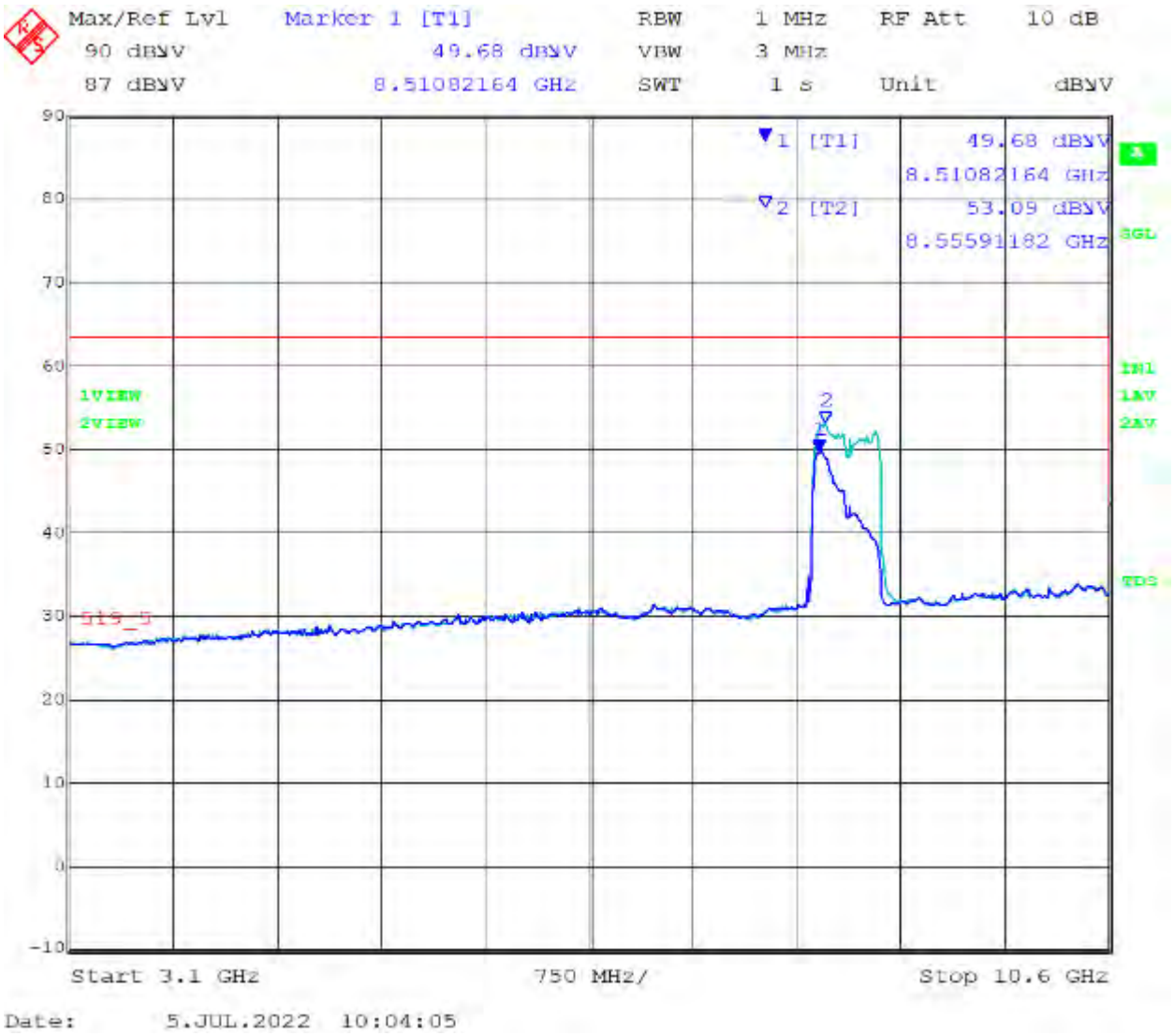
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

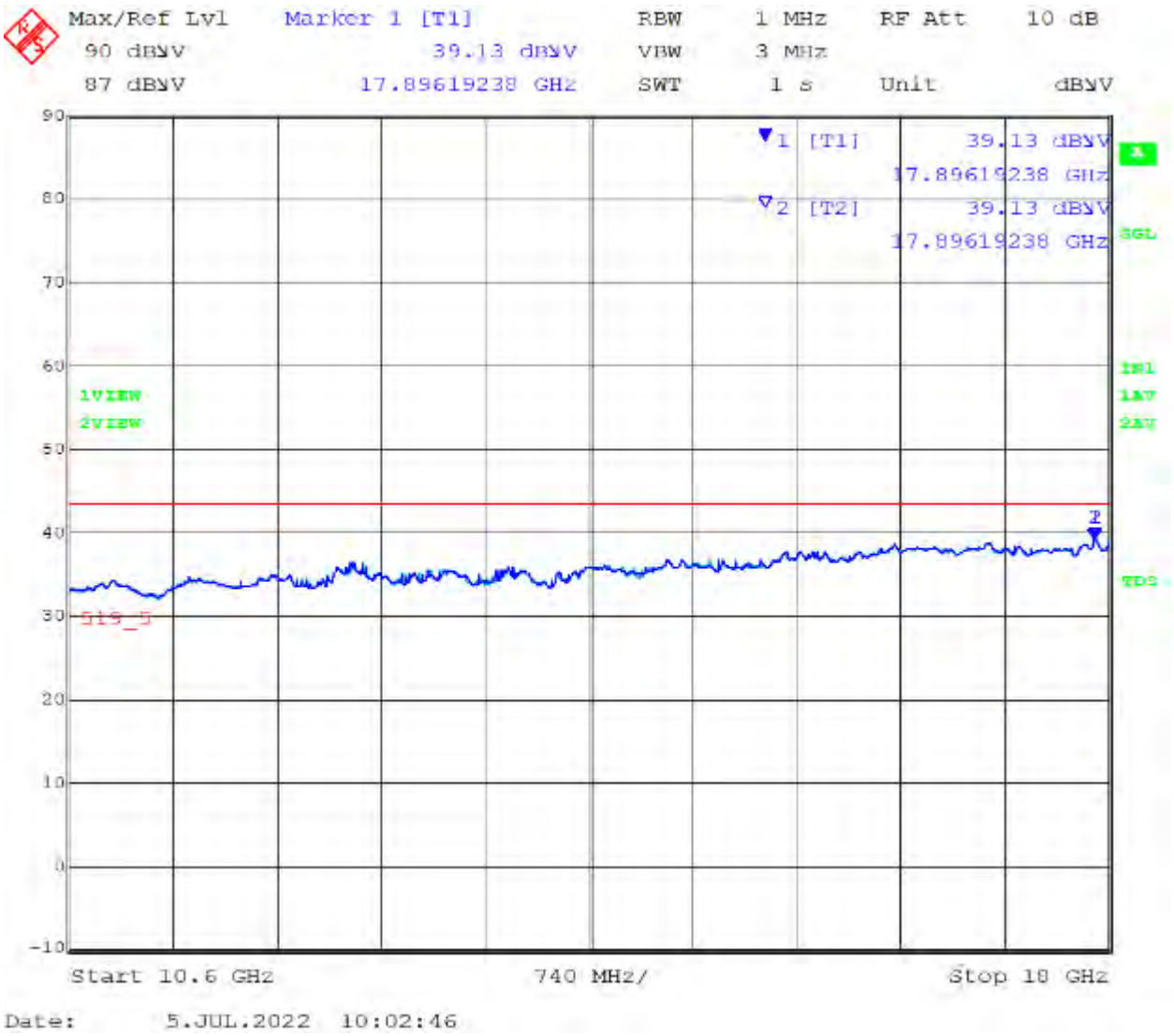
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

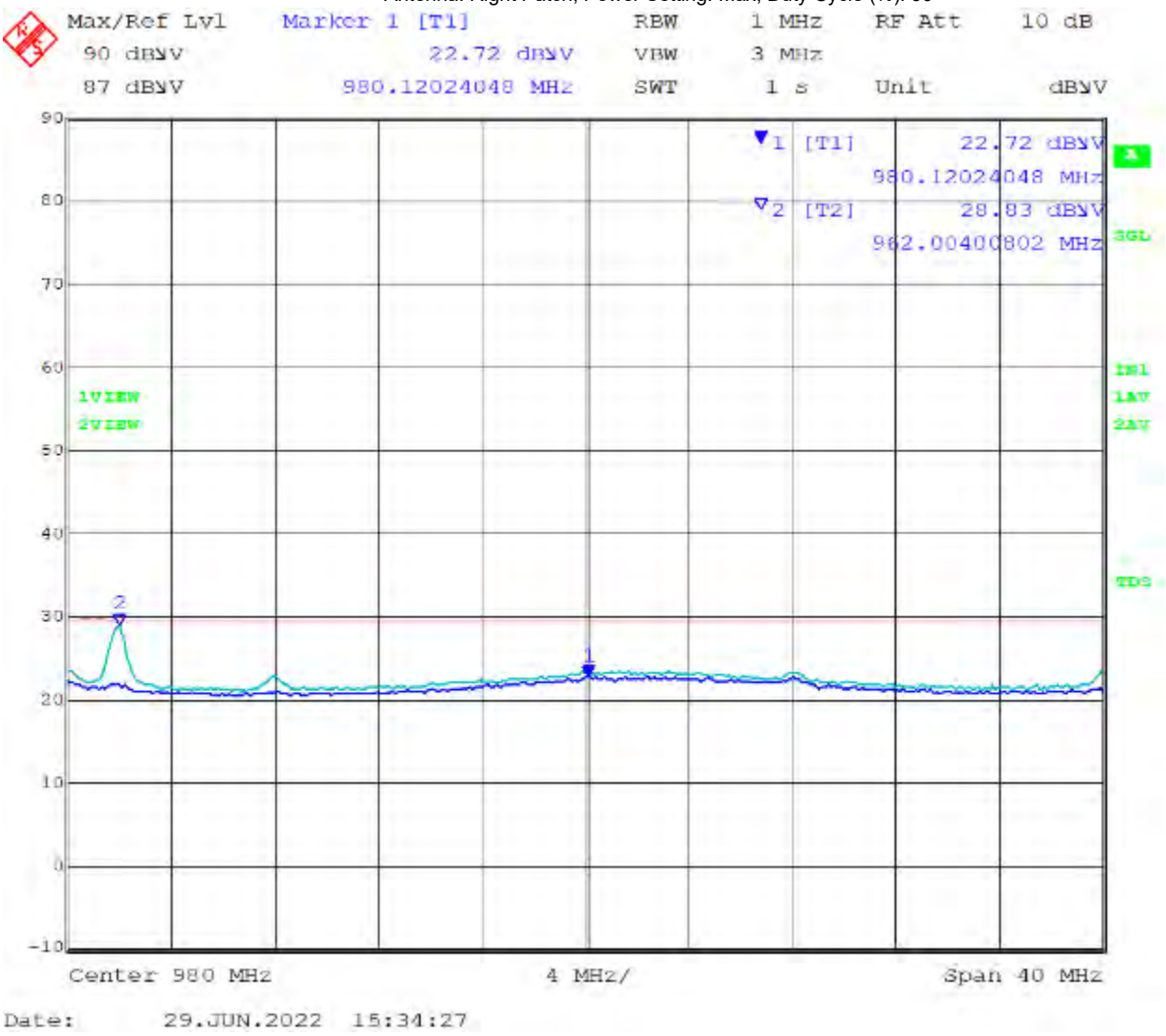


Back to Matrix

A.1.9 Right Patch Antenna Band 1

RADIATED SPURIOUS EMISSIONS 960-1000MHz

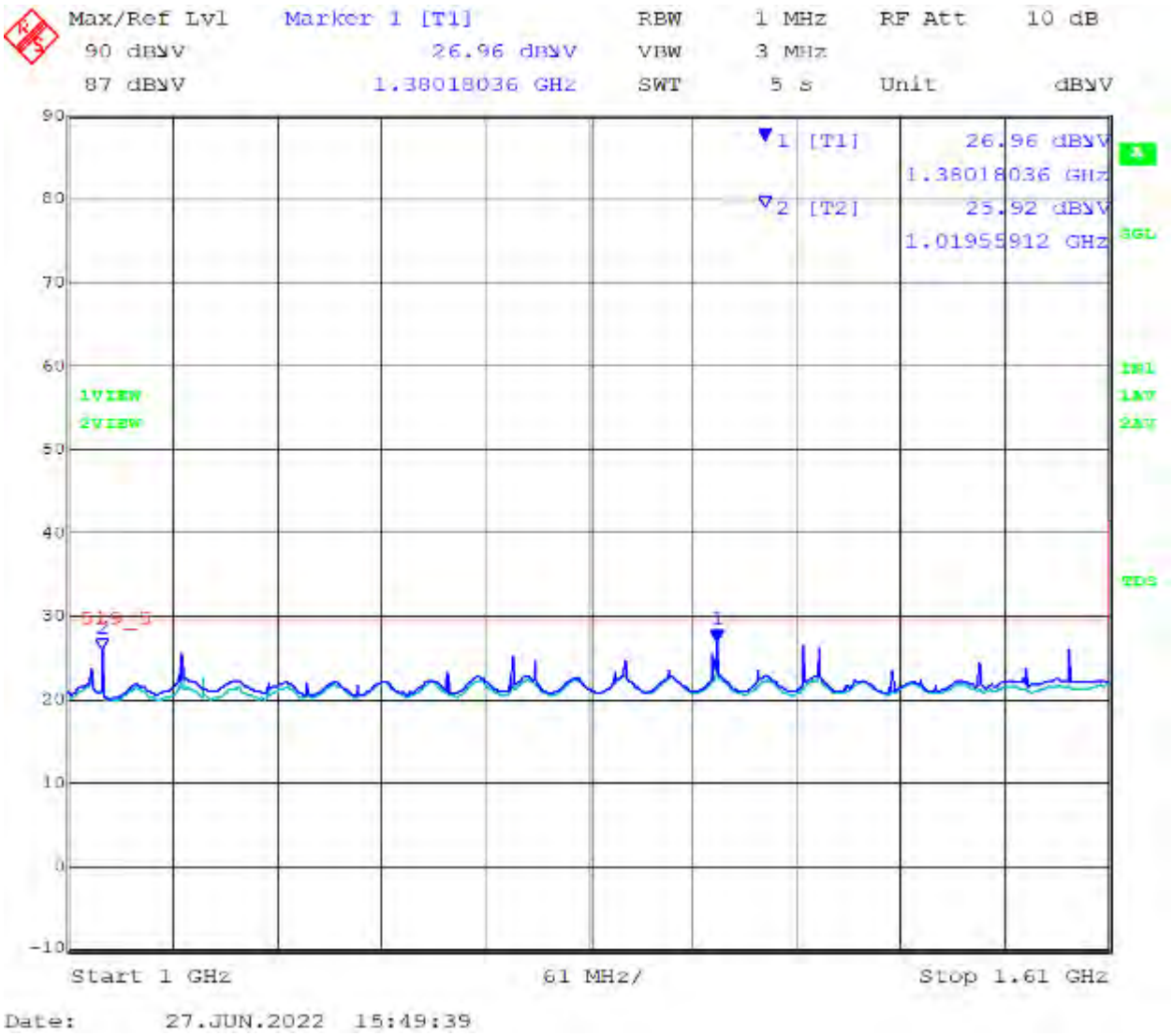
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61GHz

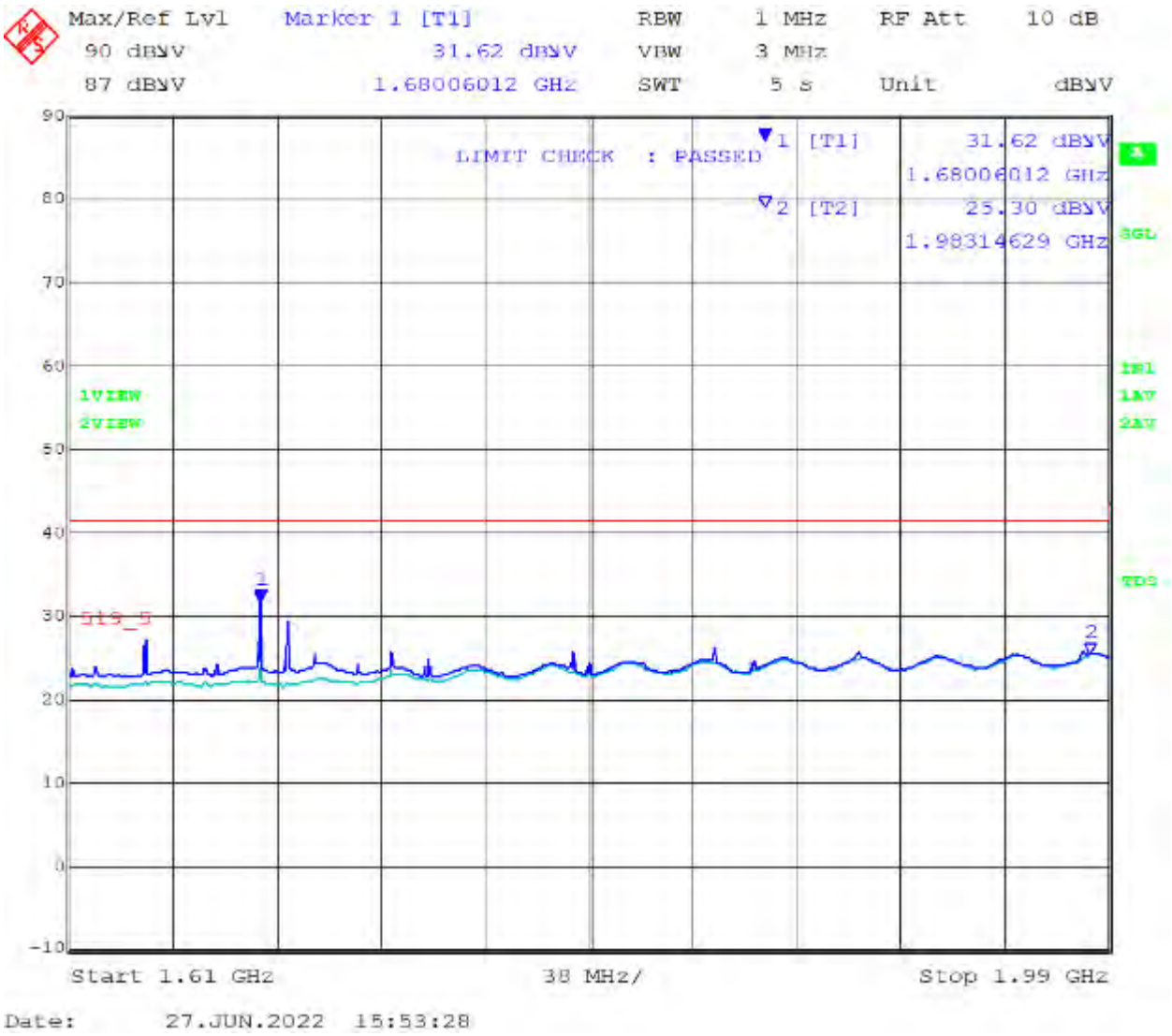
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

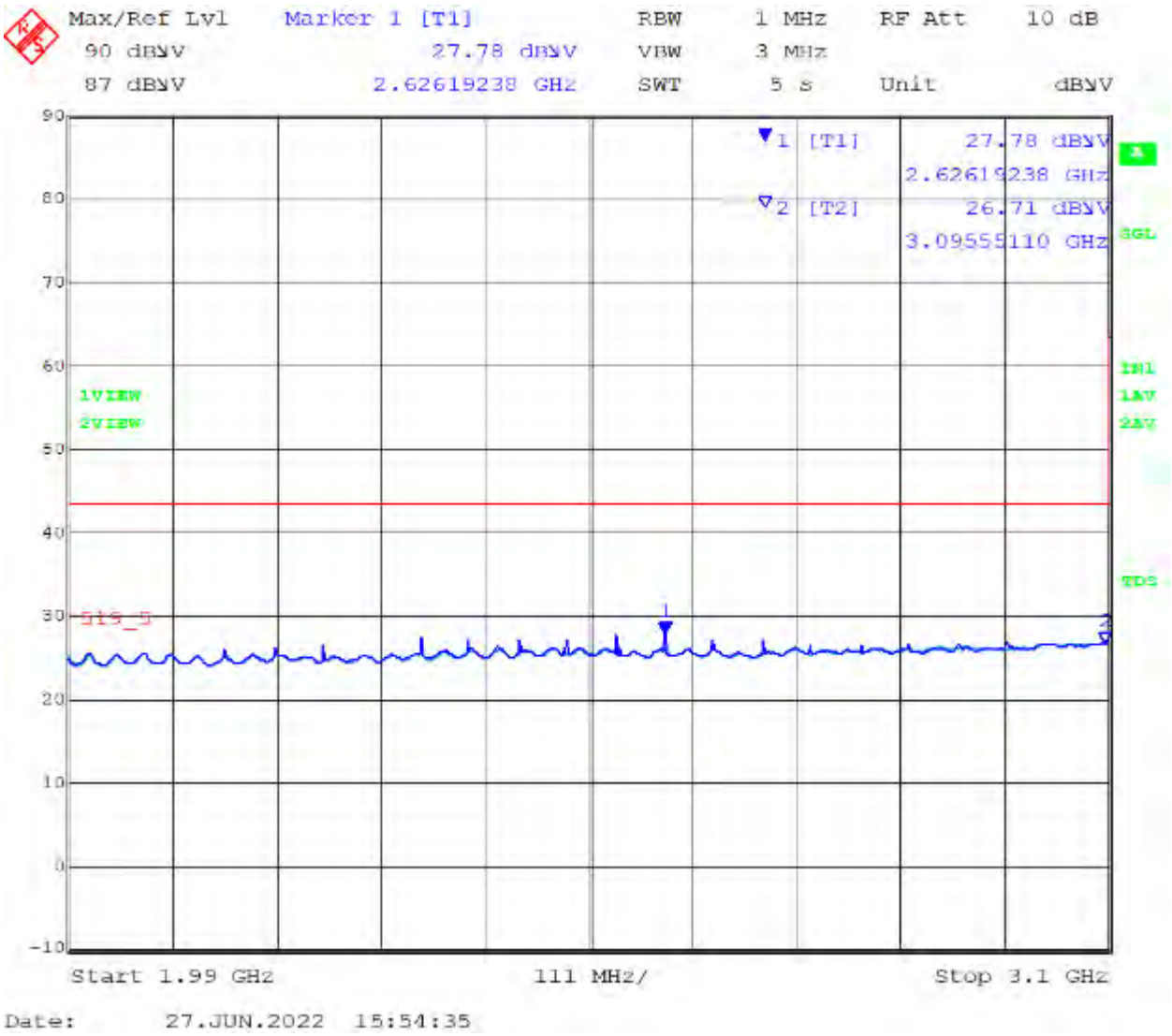
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

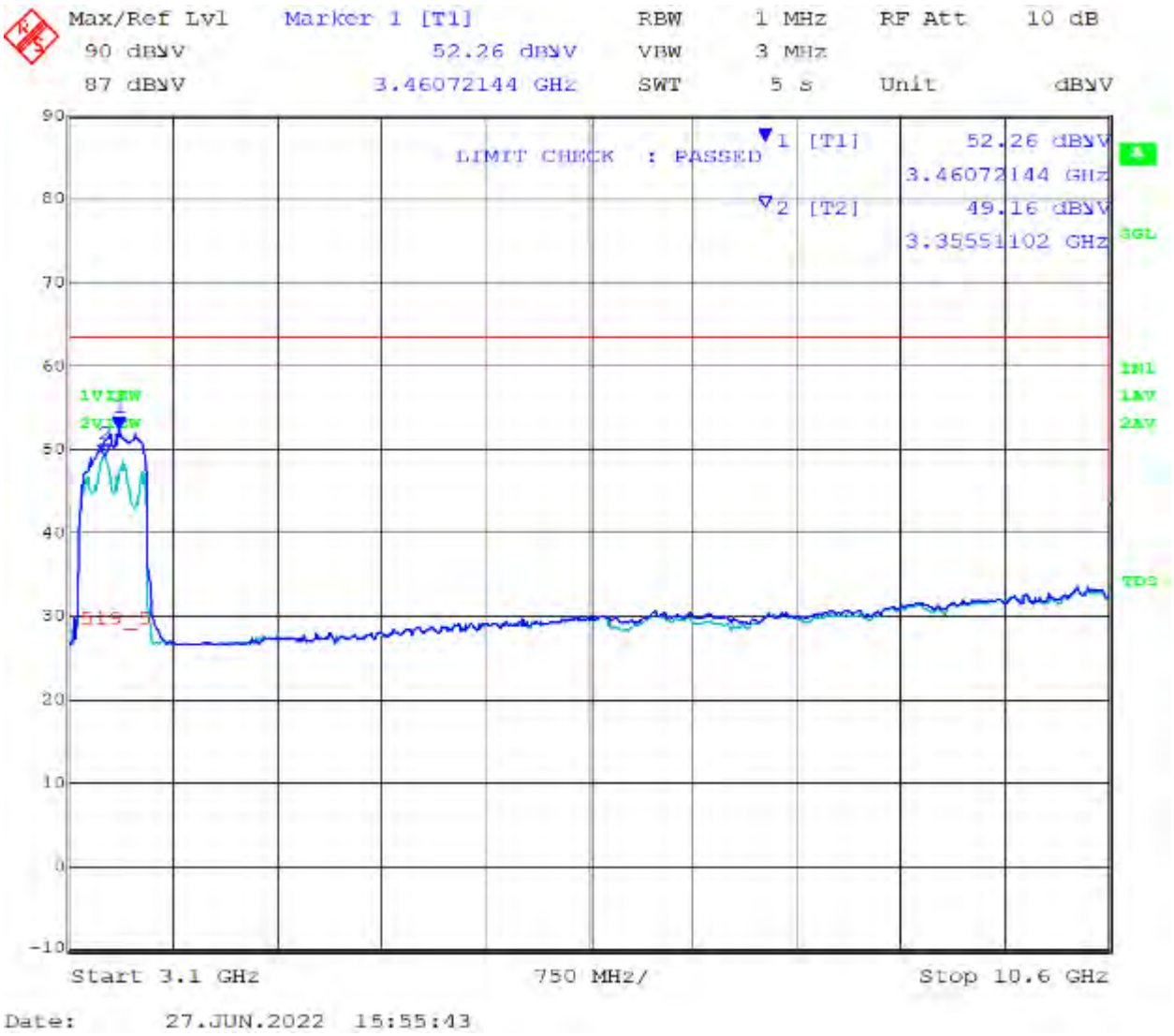
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

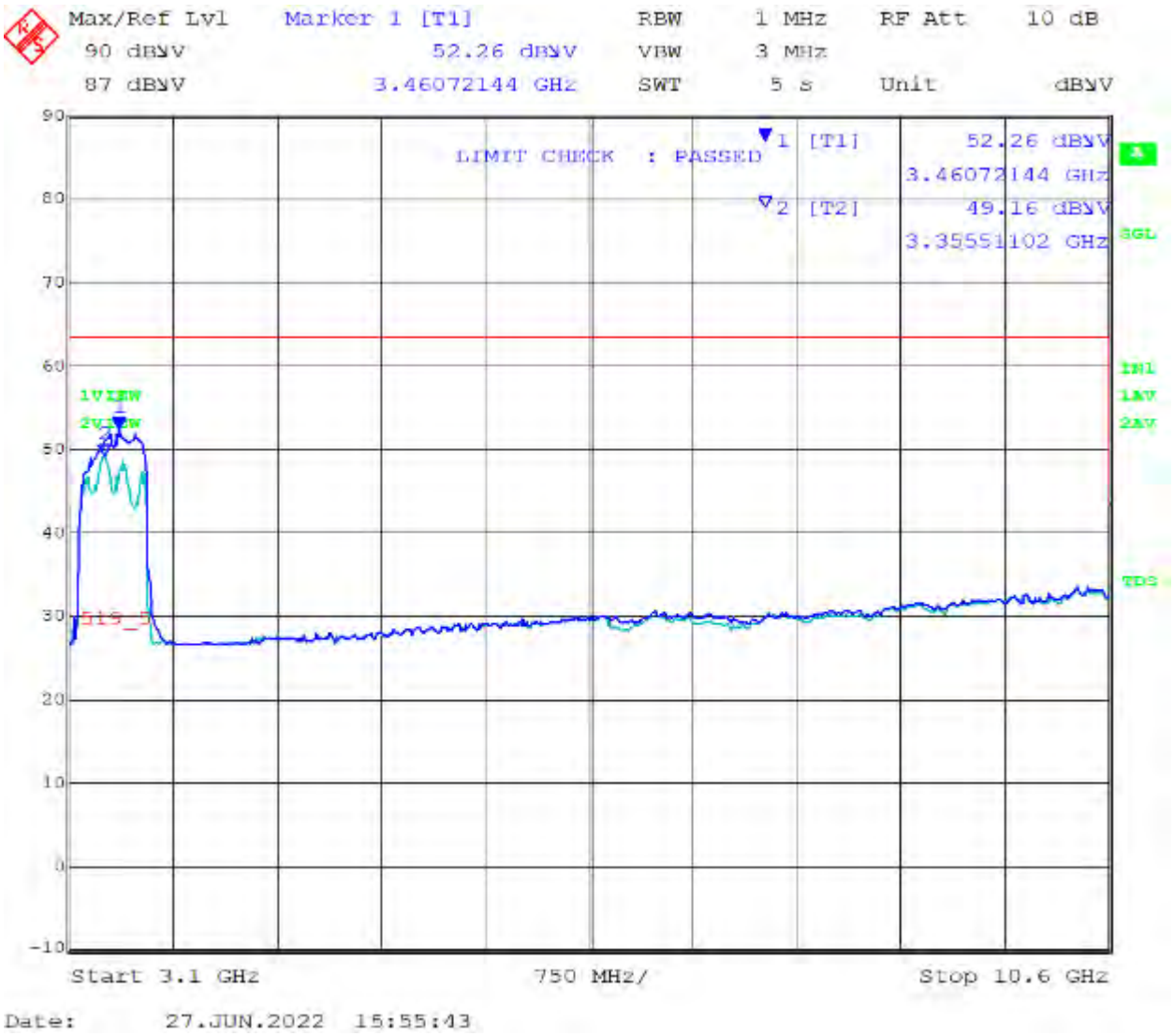
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

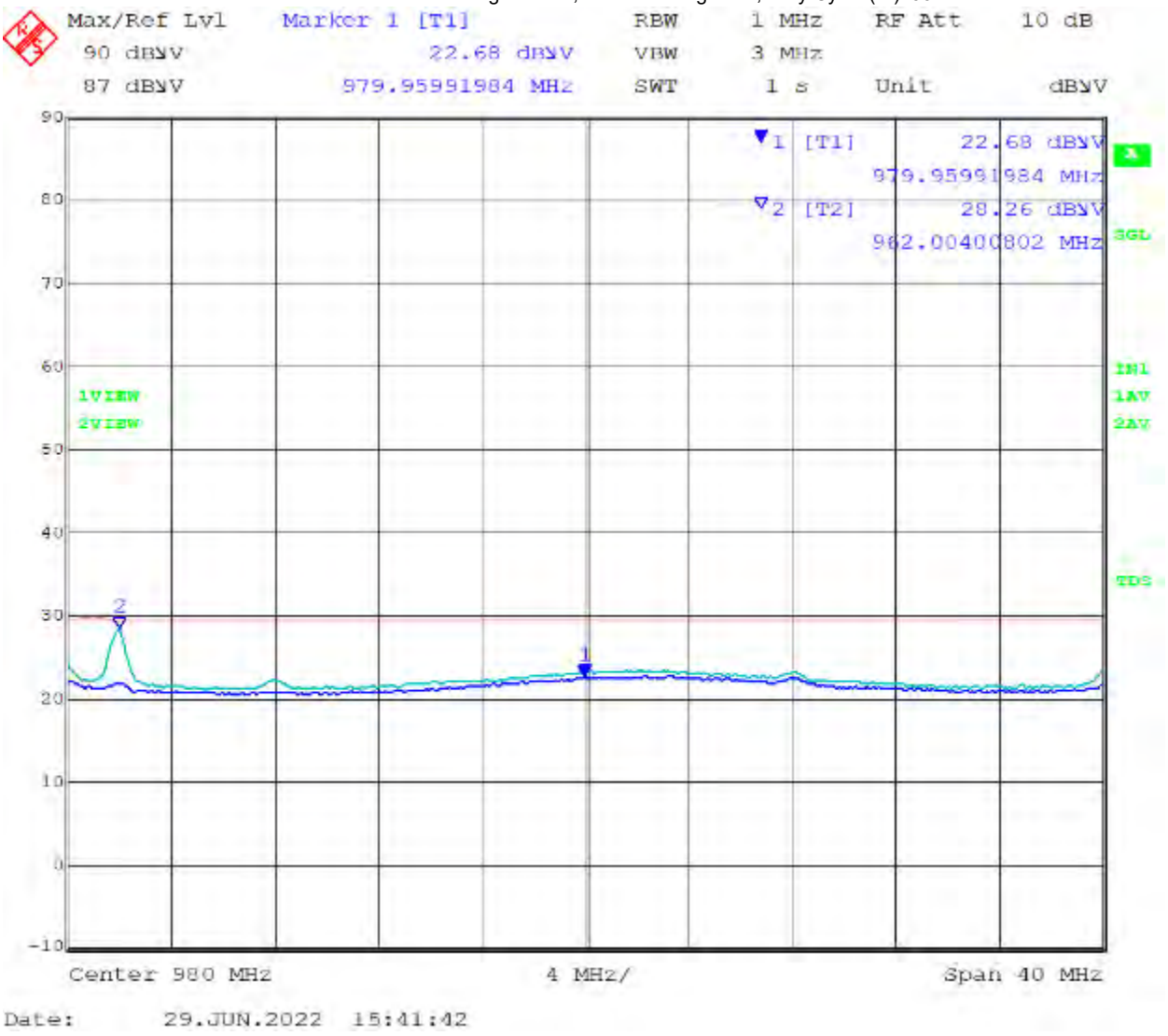
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1000MHz

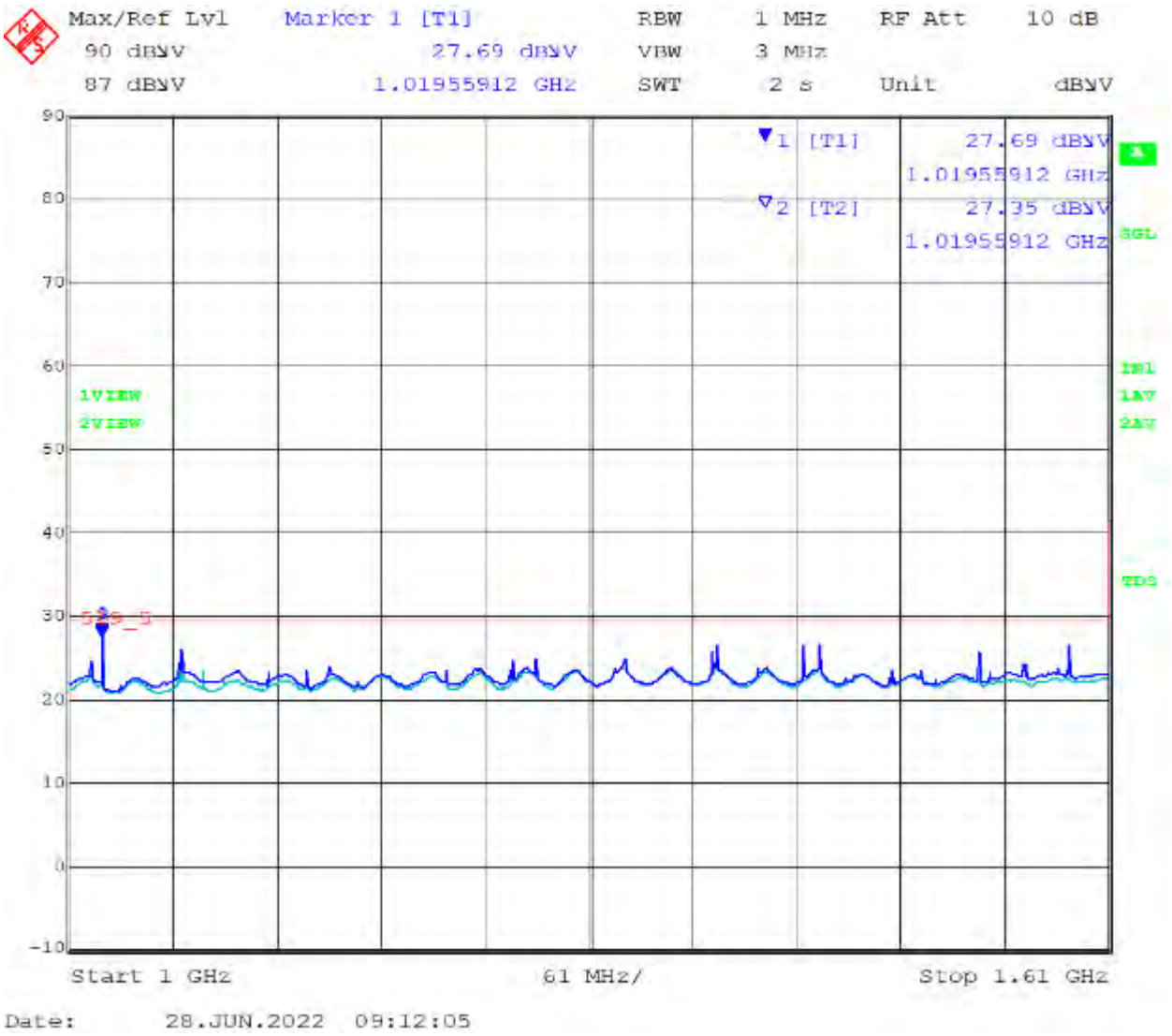
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61GHz

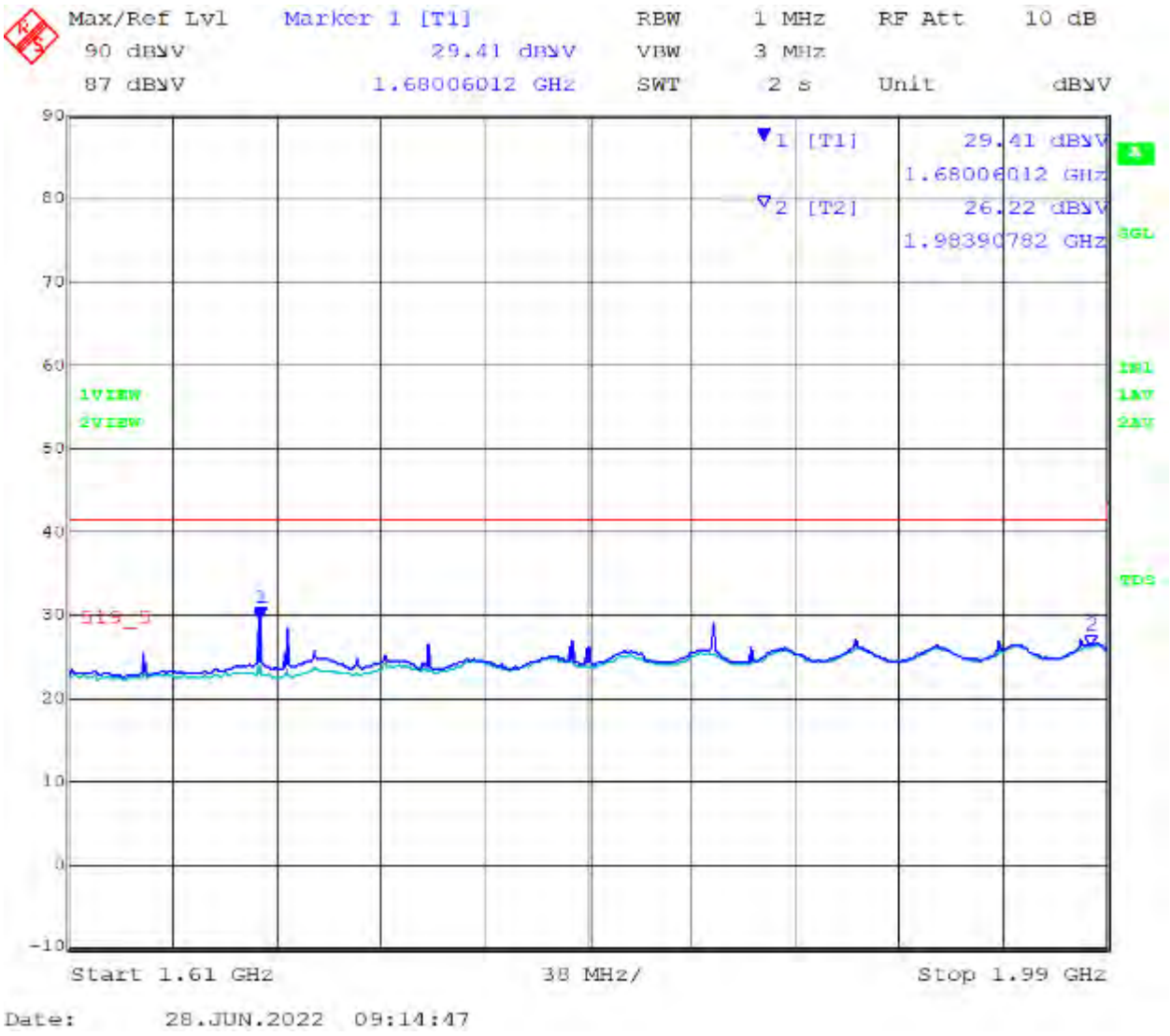
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

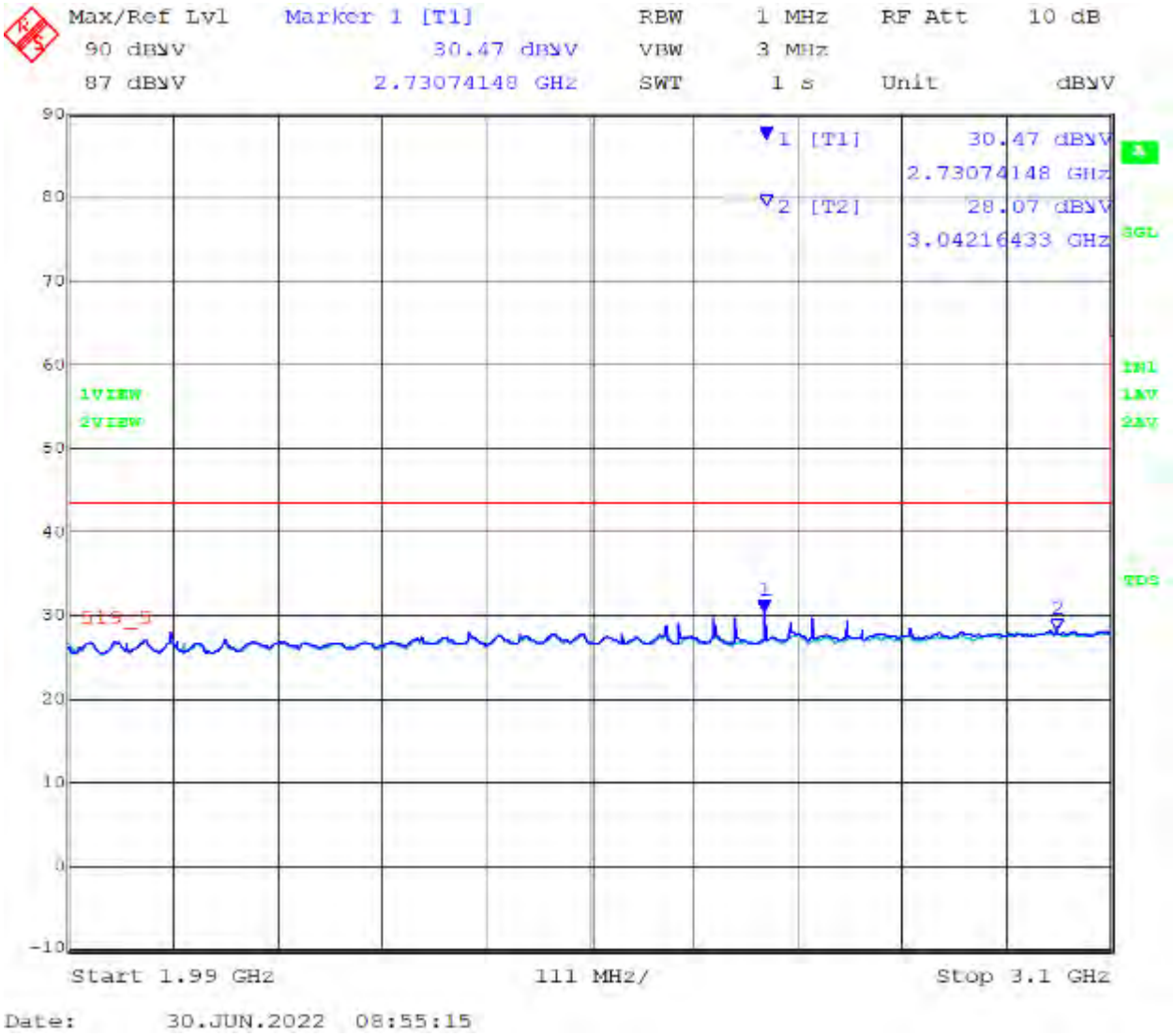
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

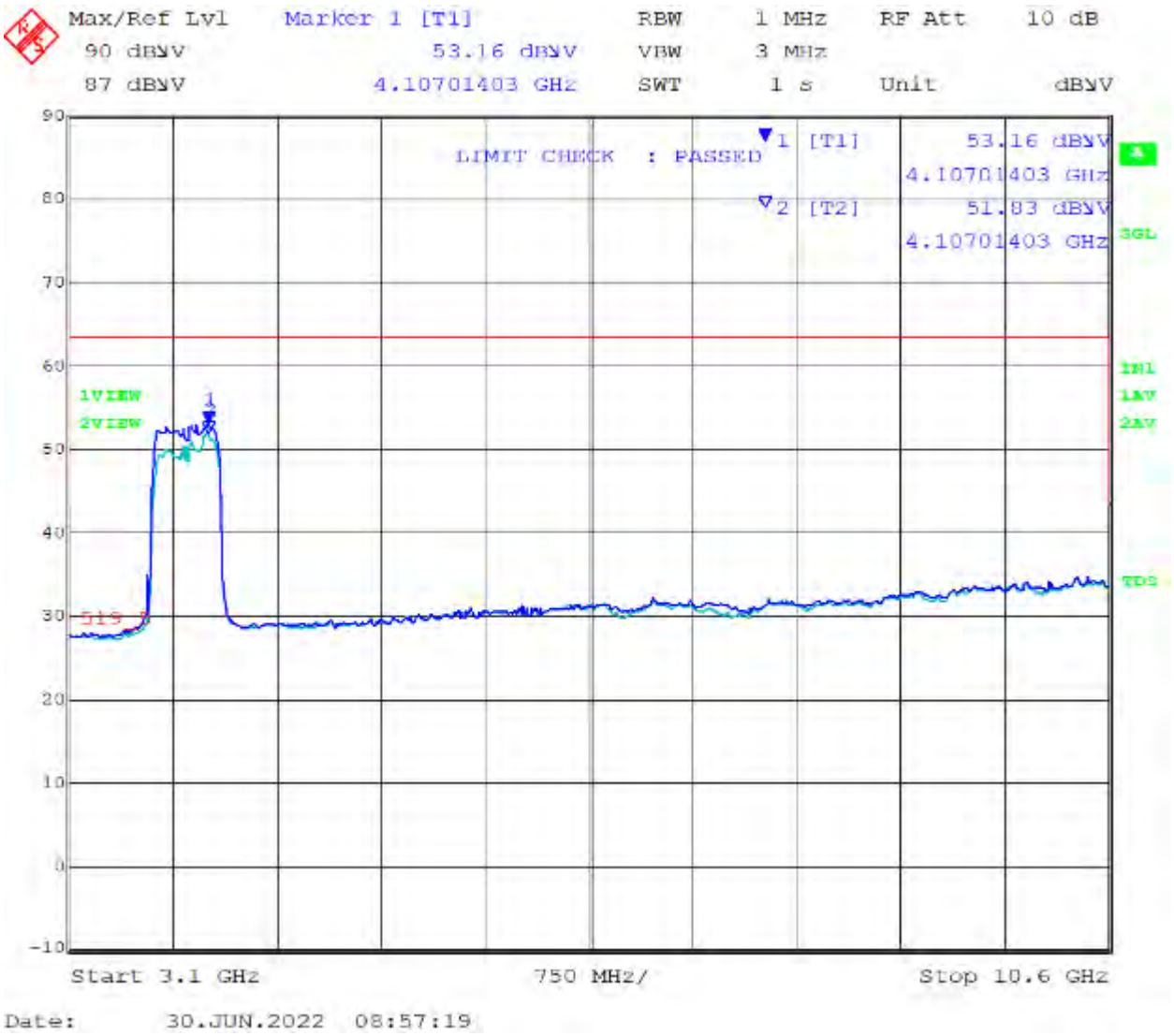
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

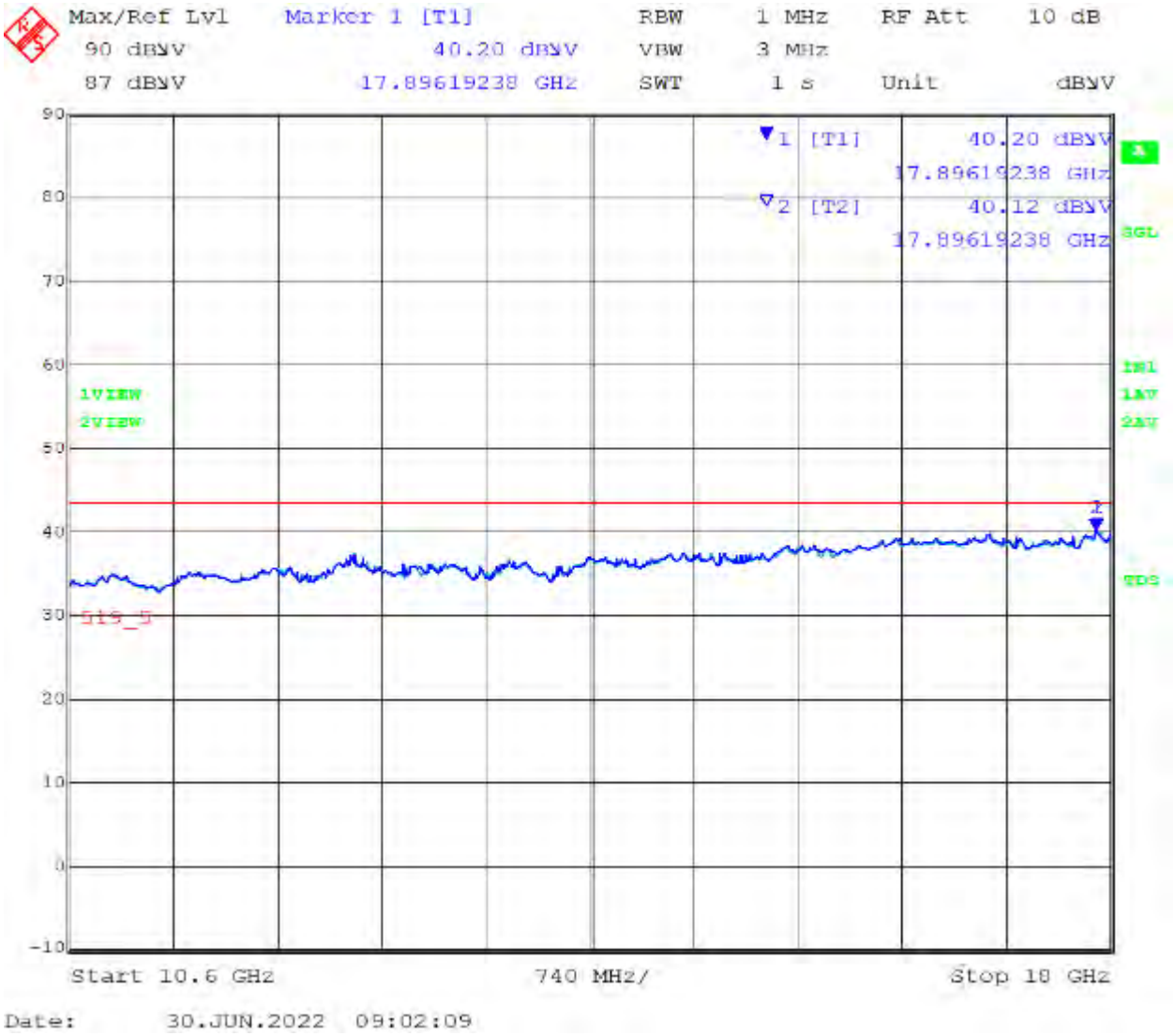
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

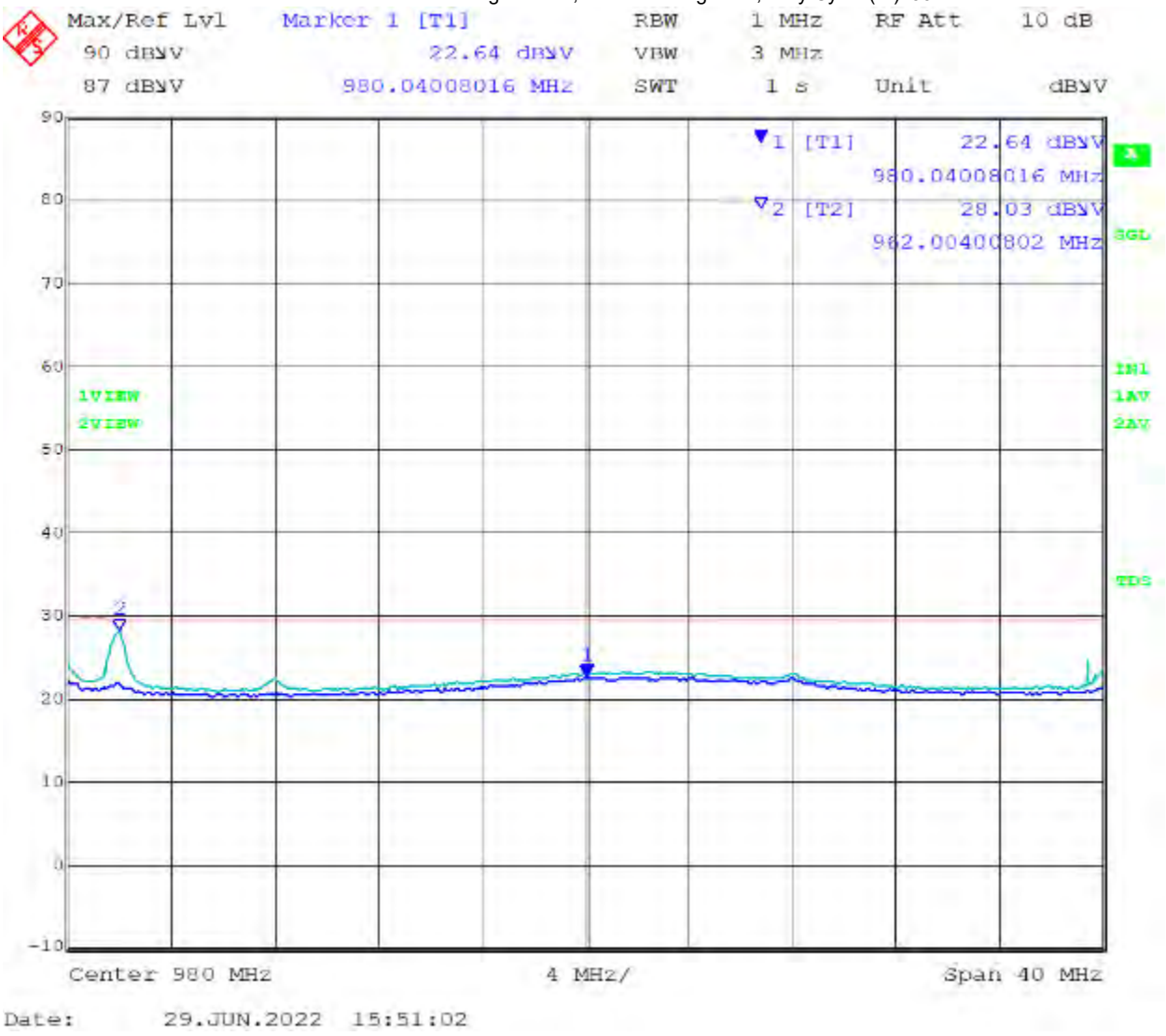
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1000MHz

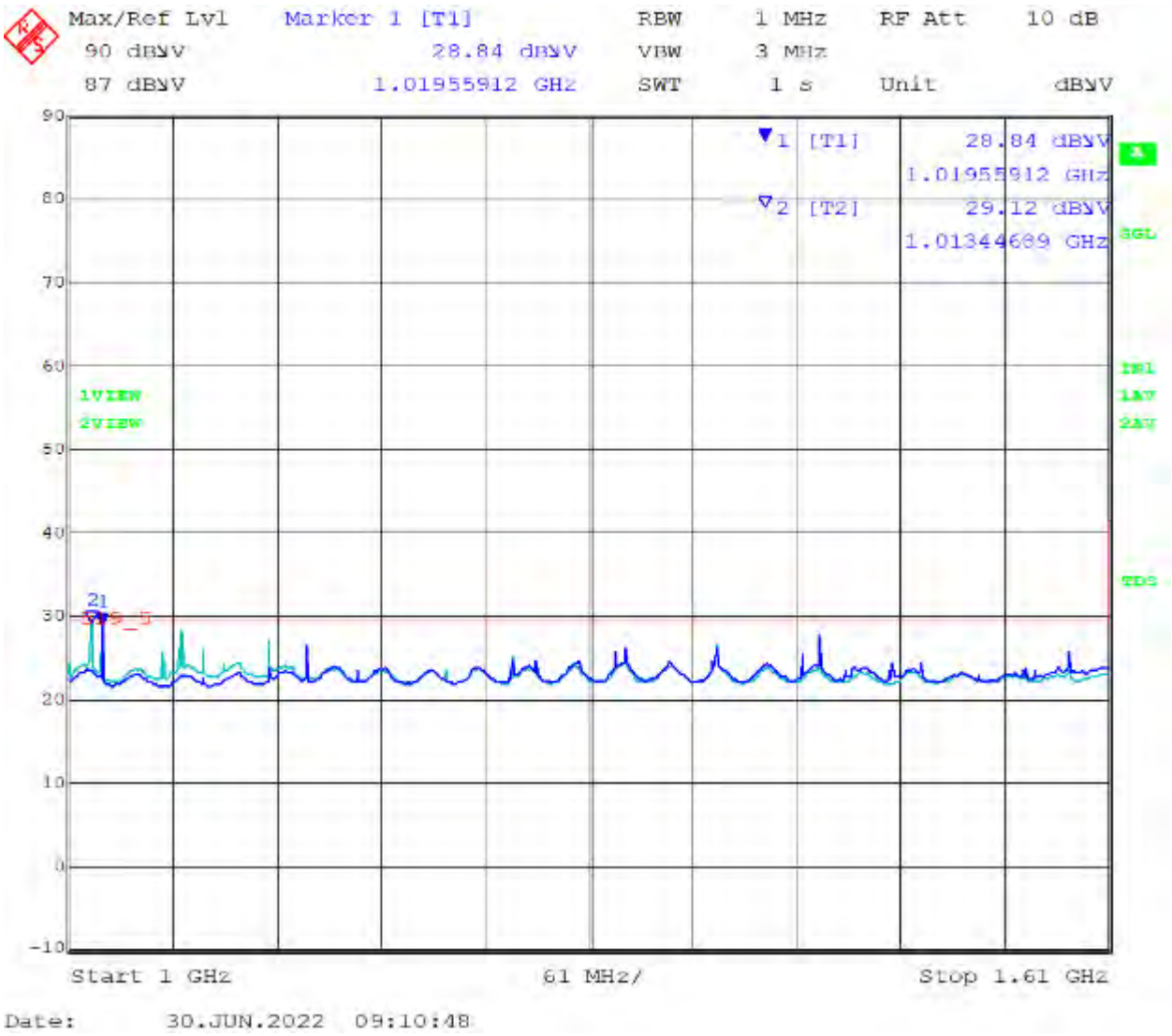
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61GHz

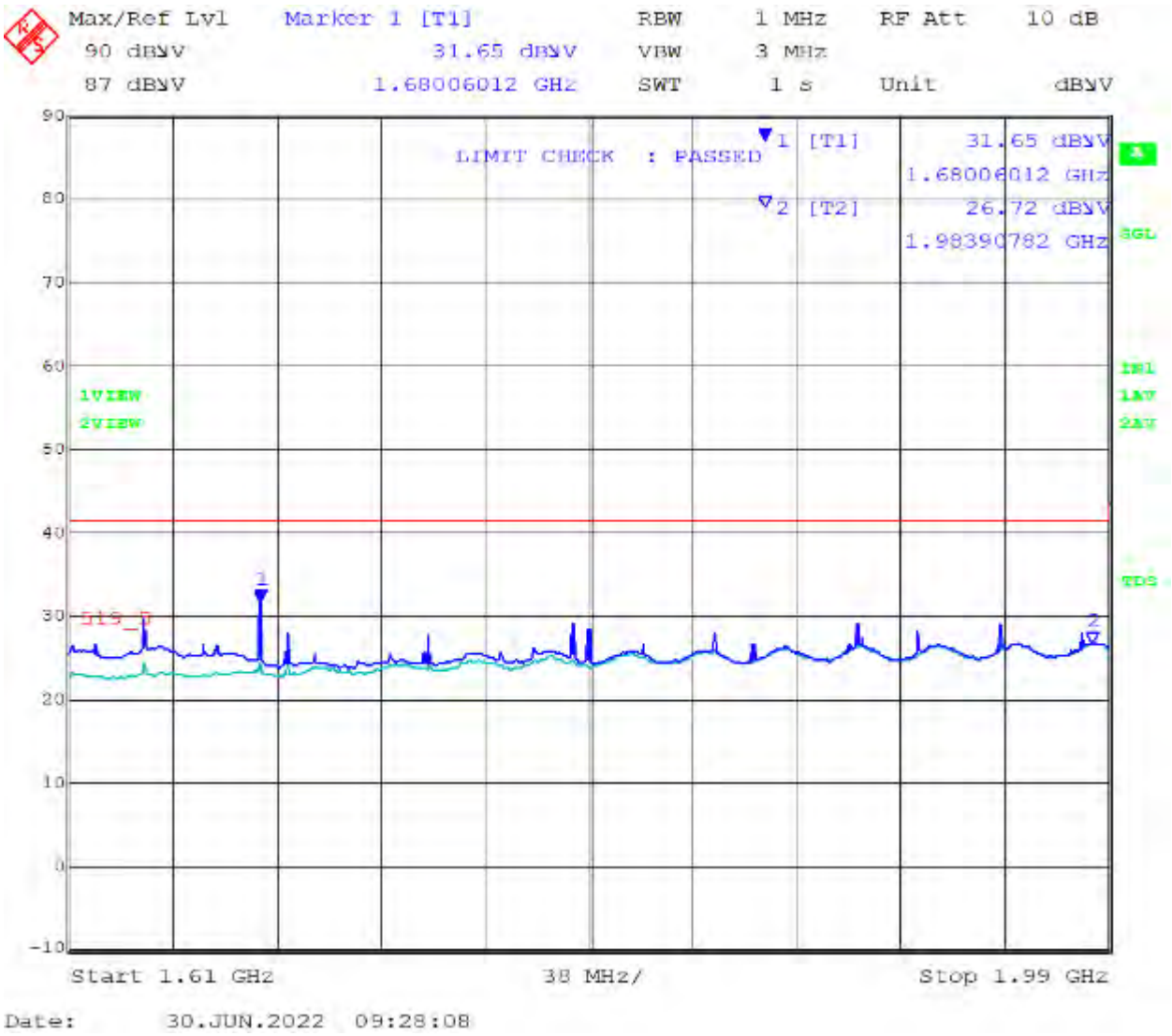
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

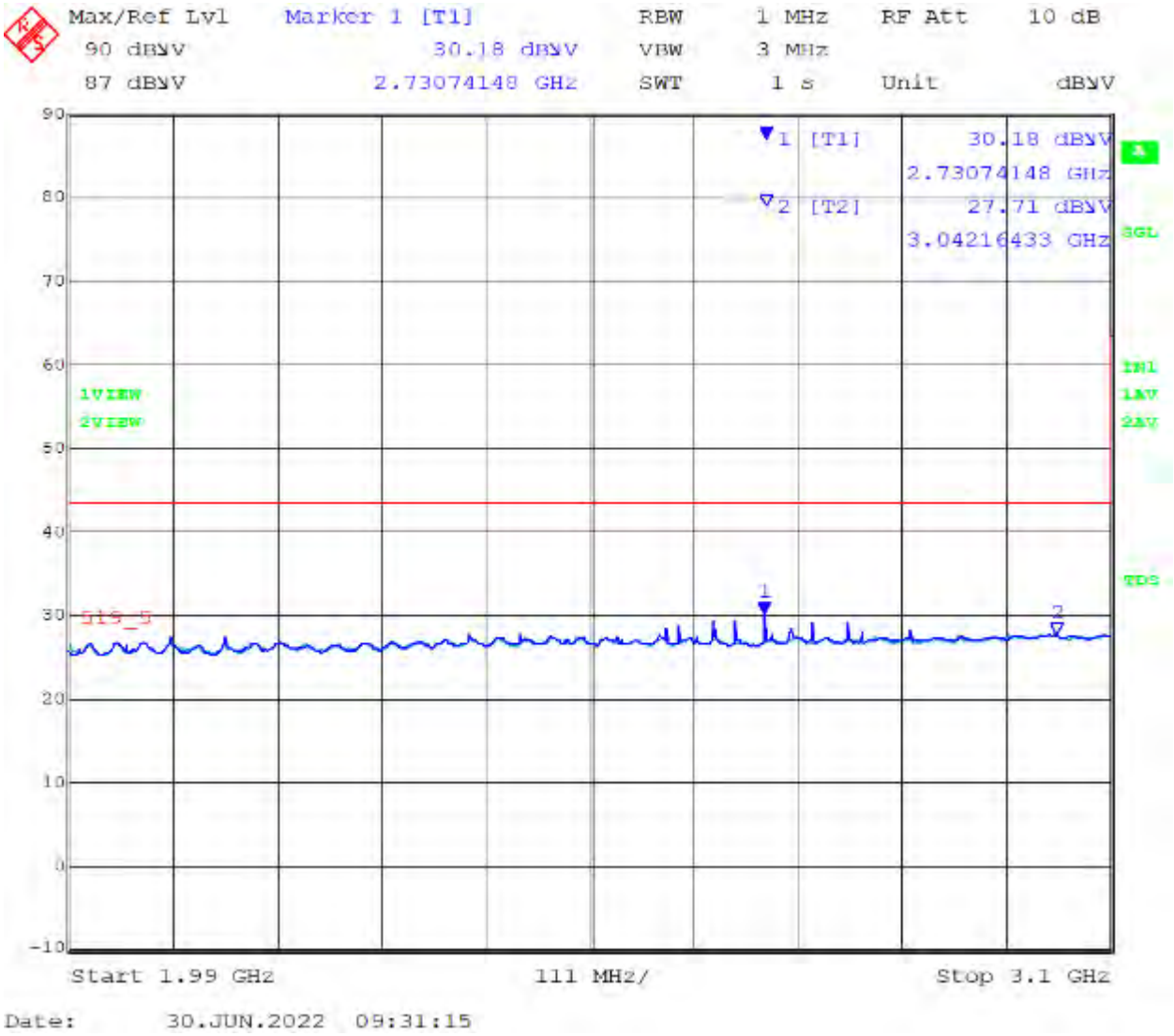
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

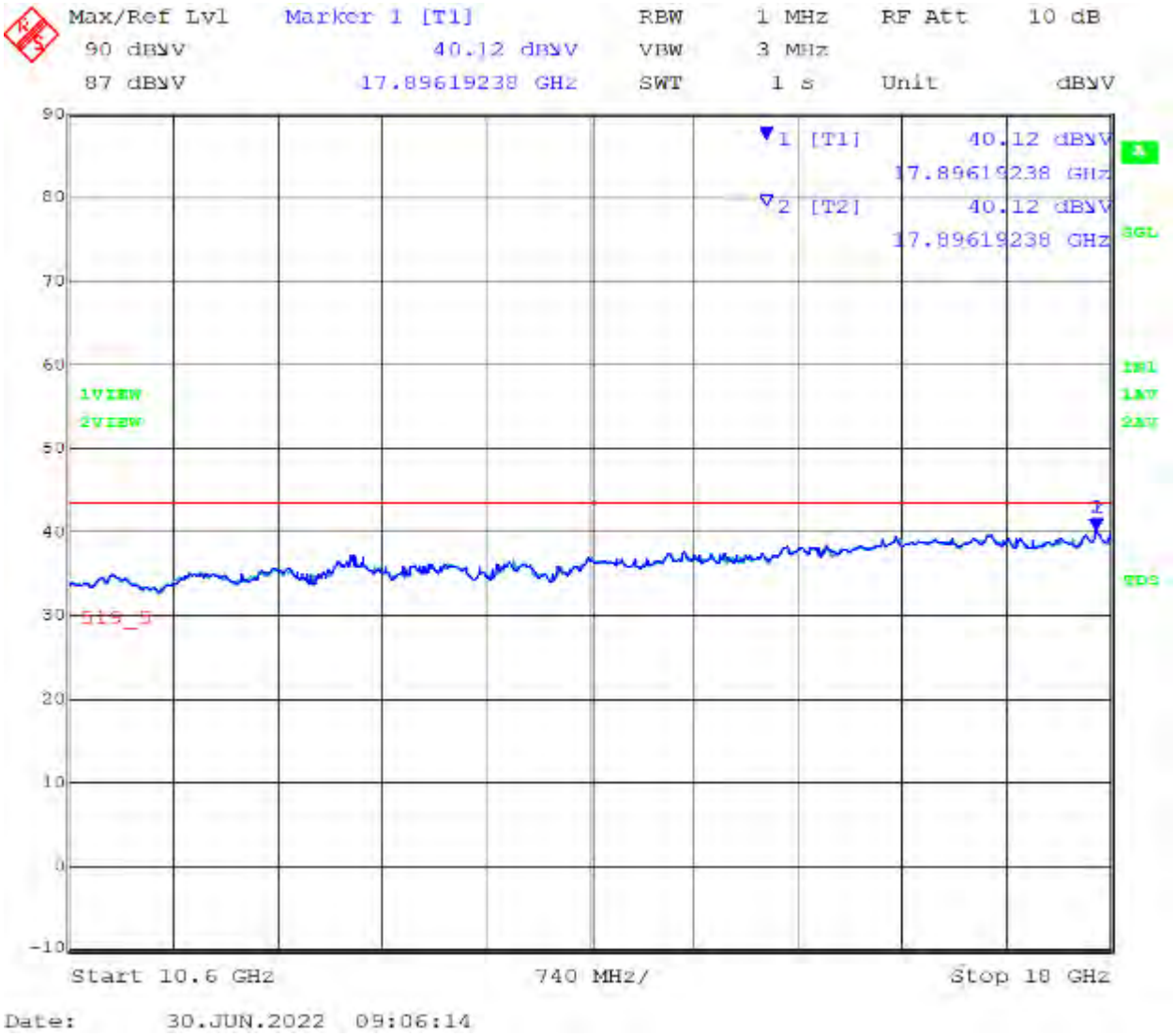
RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

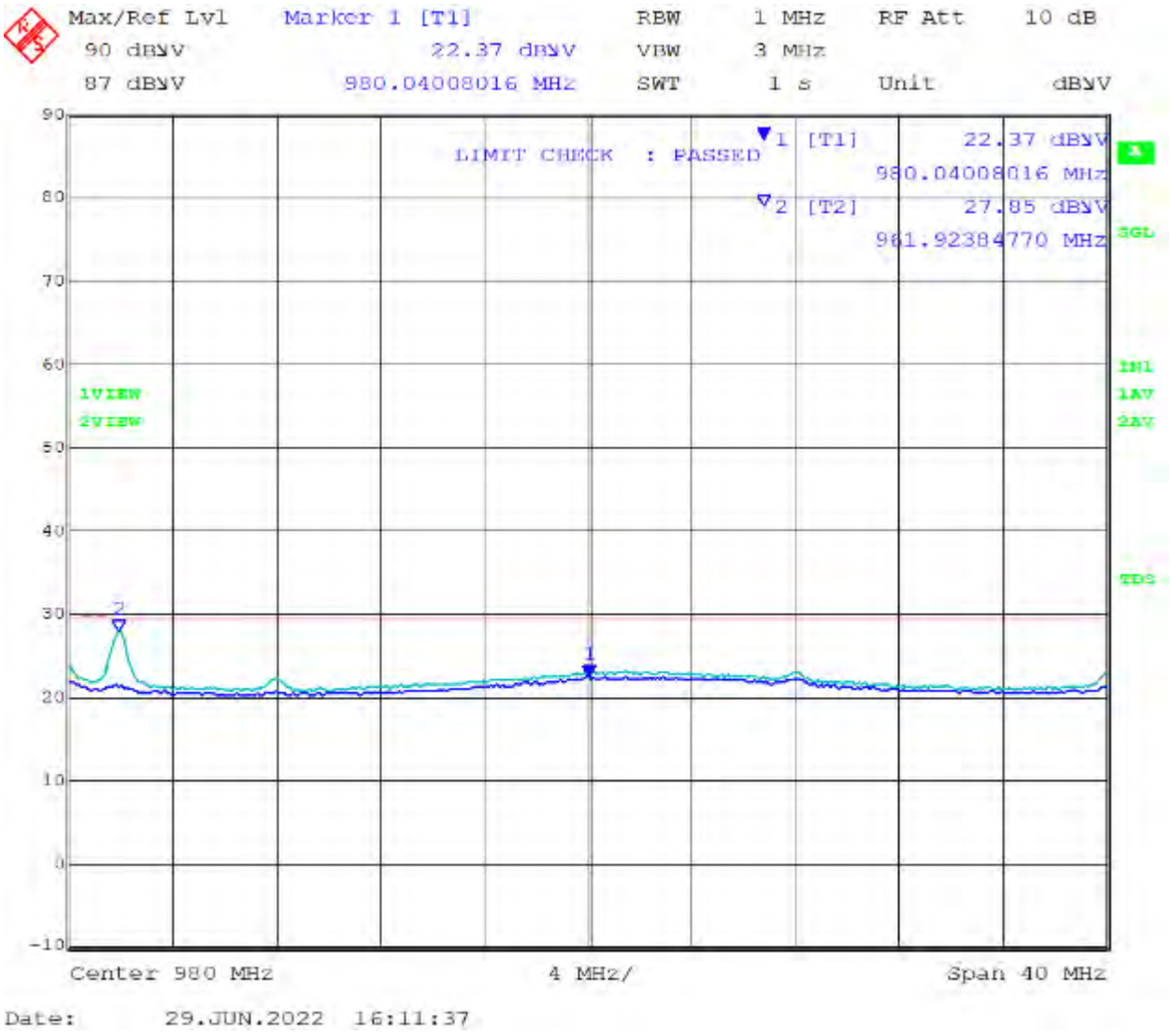


Back to Matrix

A.1.10 Right Patch Antenna Band 3

RADIATED SPURIOUS EMISSIONS 960-1000MHz

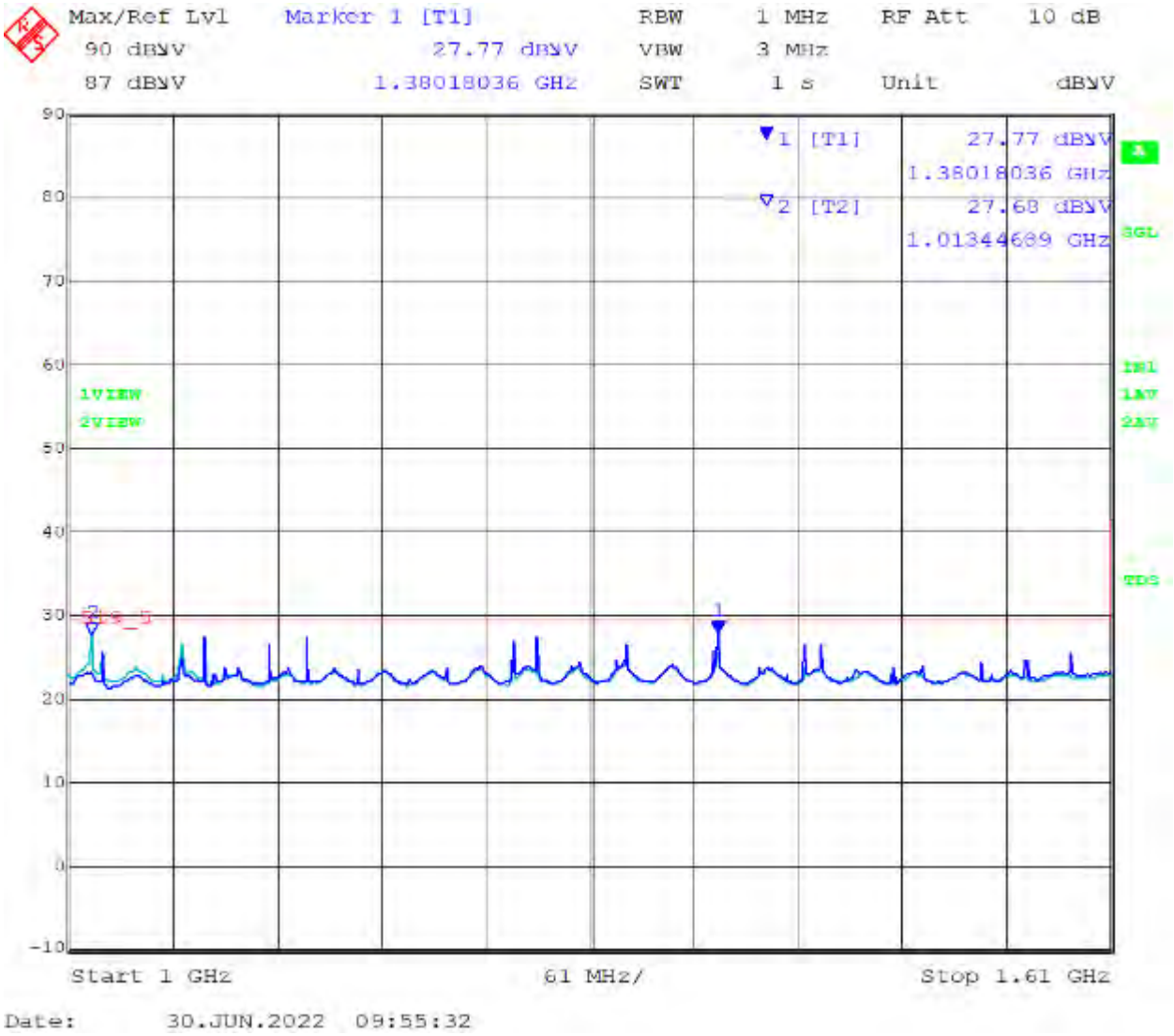
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61 GHz

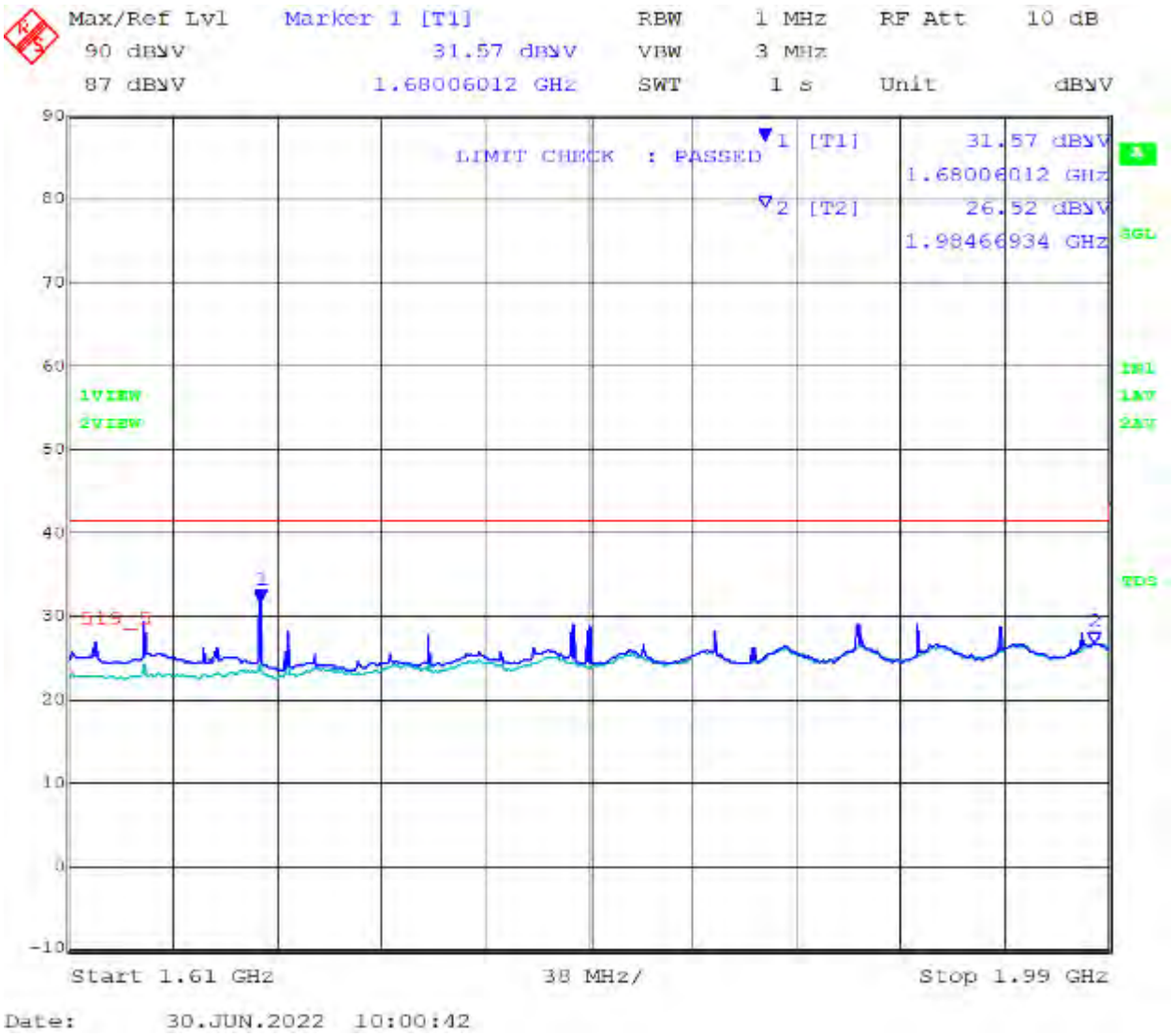
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

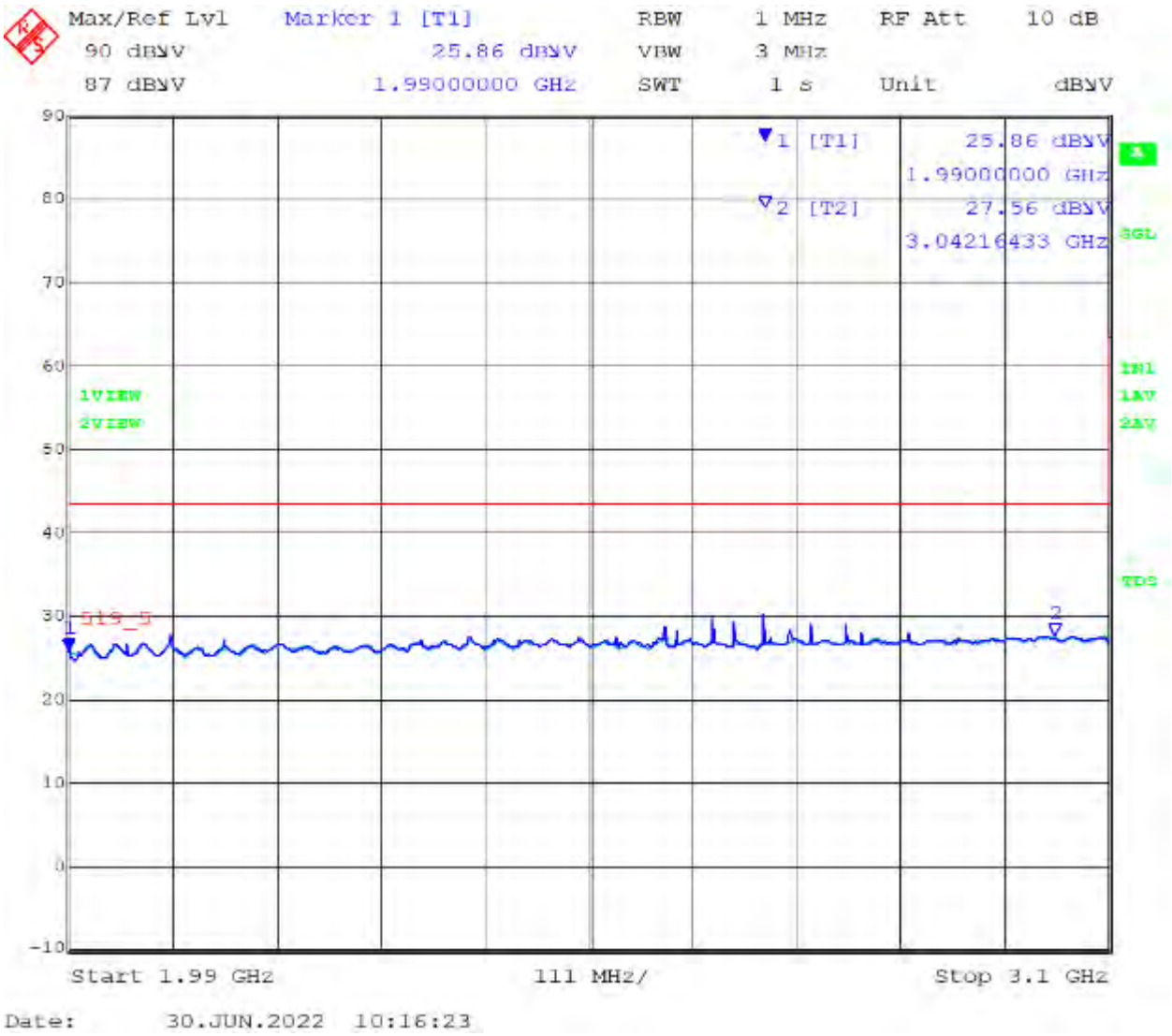
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

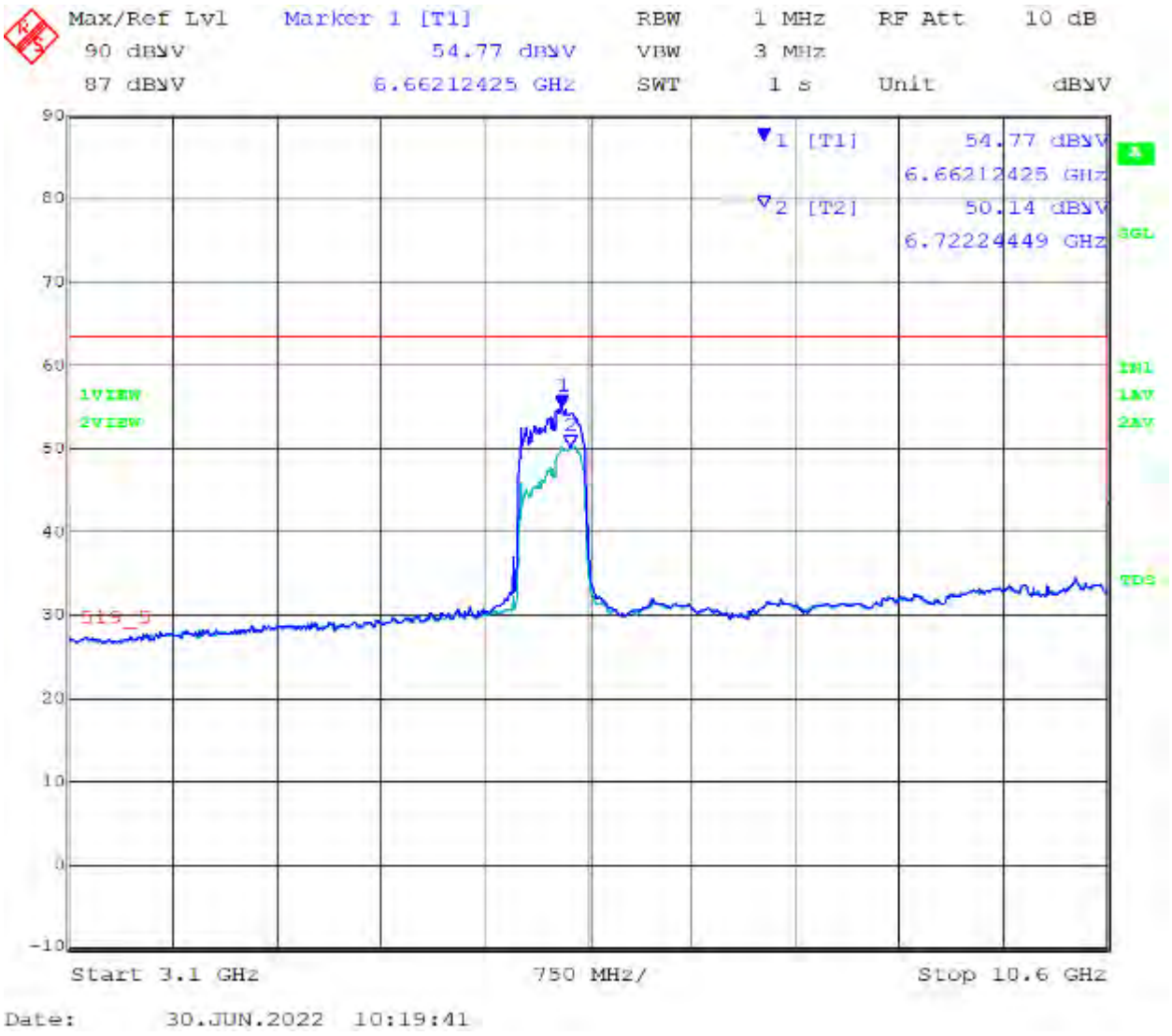
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

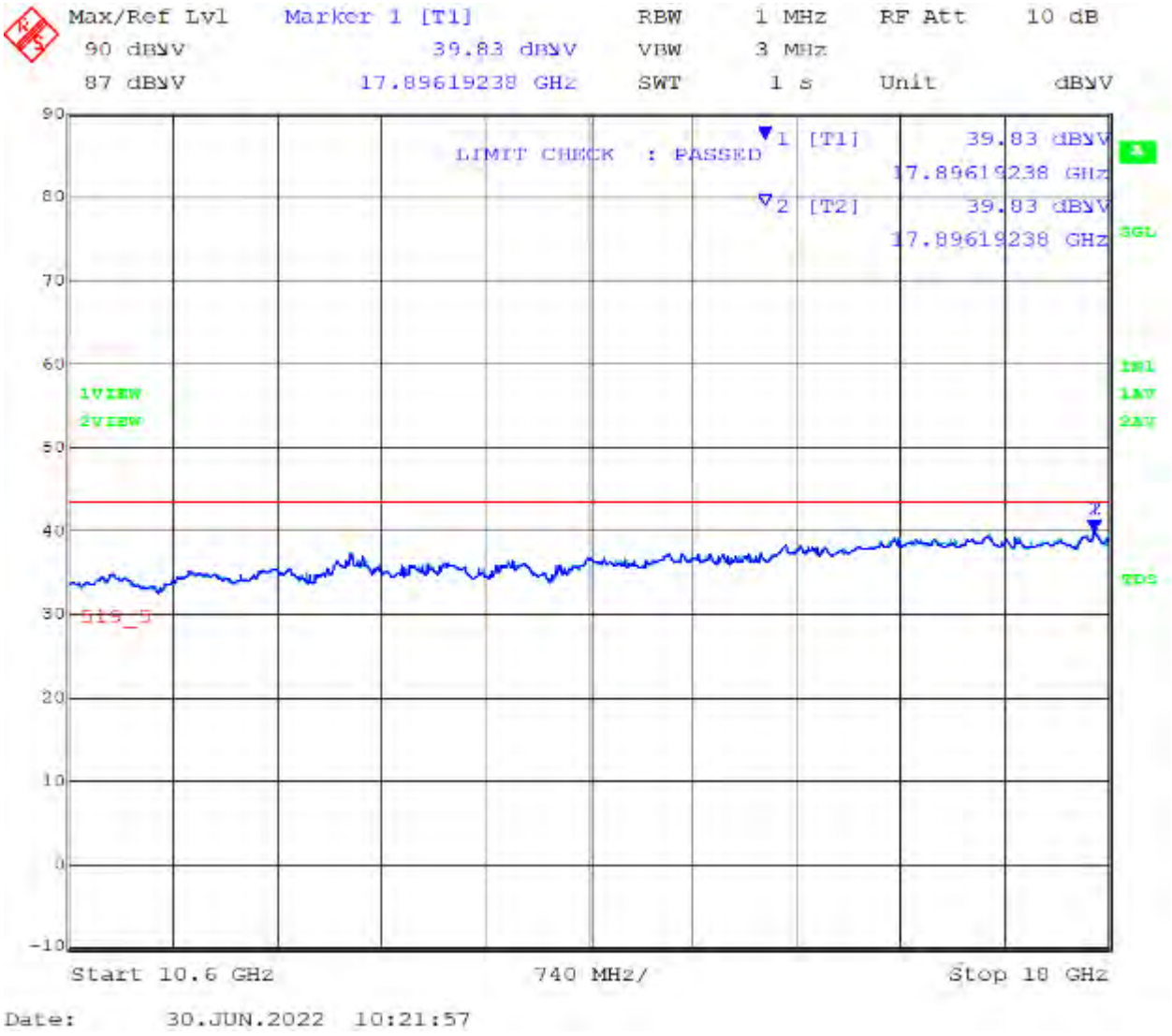
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

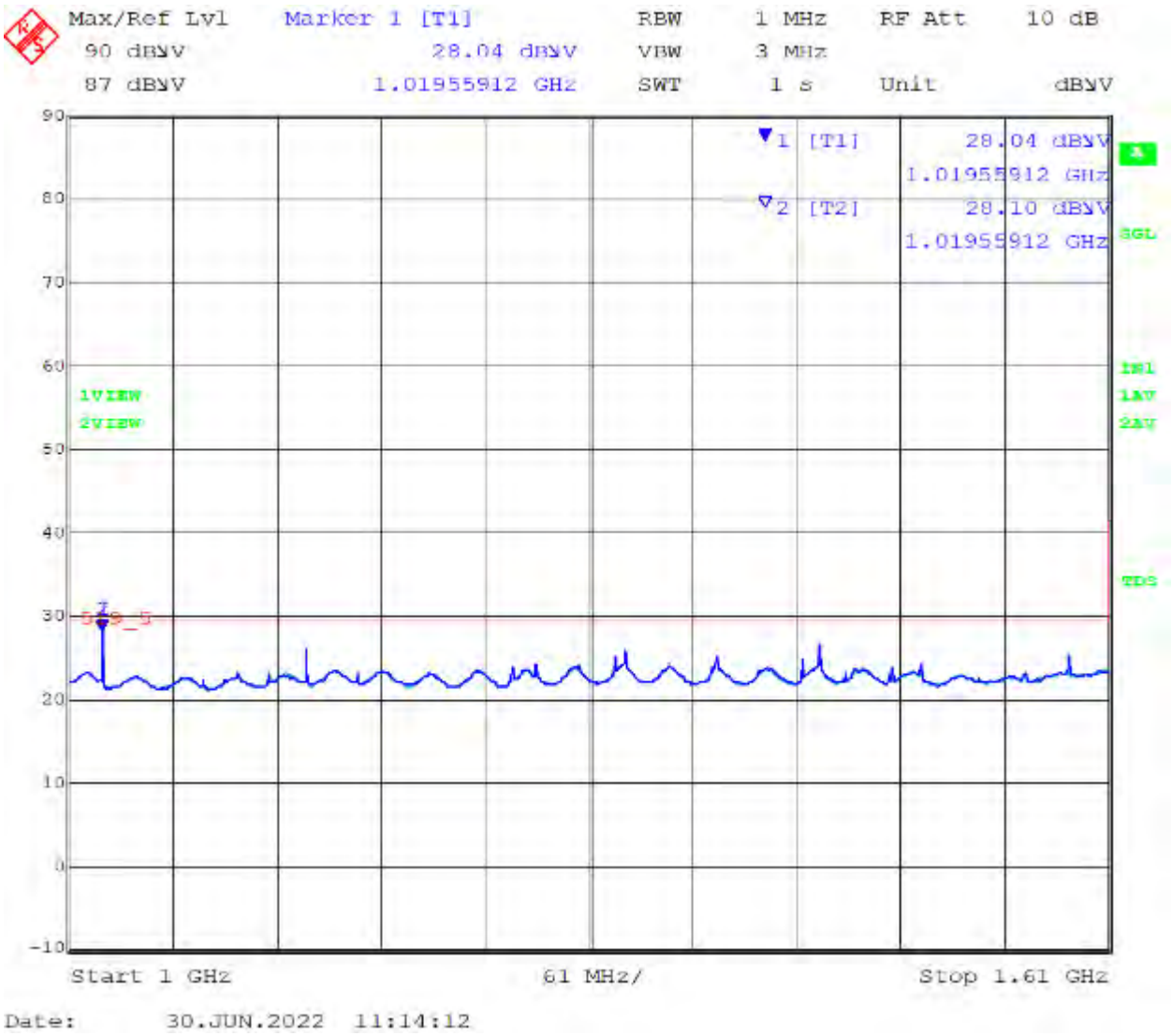
RADIATED SPURIOUS EMISSIONS 960-1000MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61 GHz

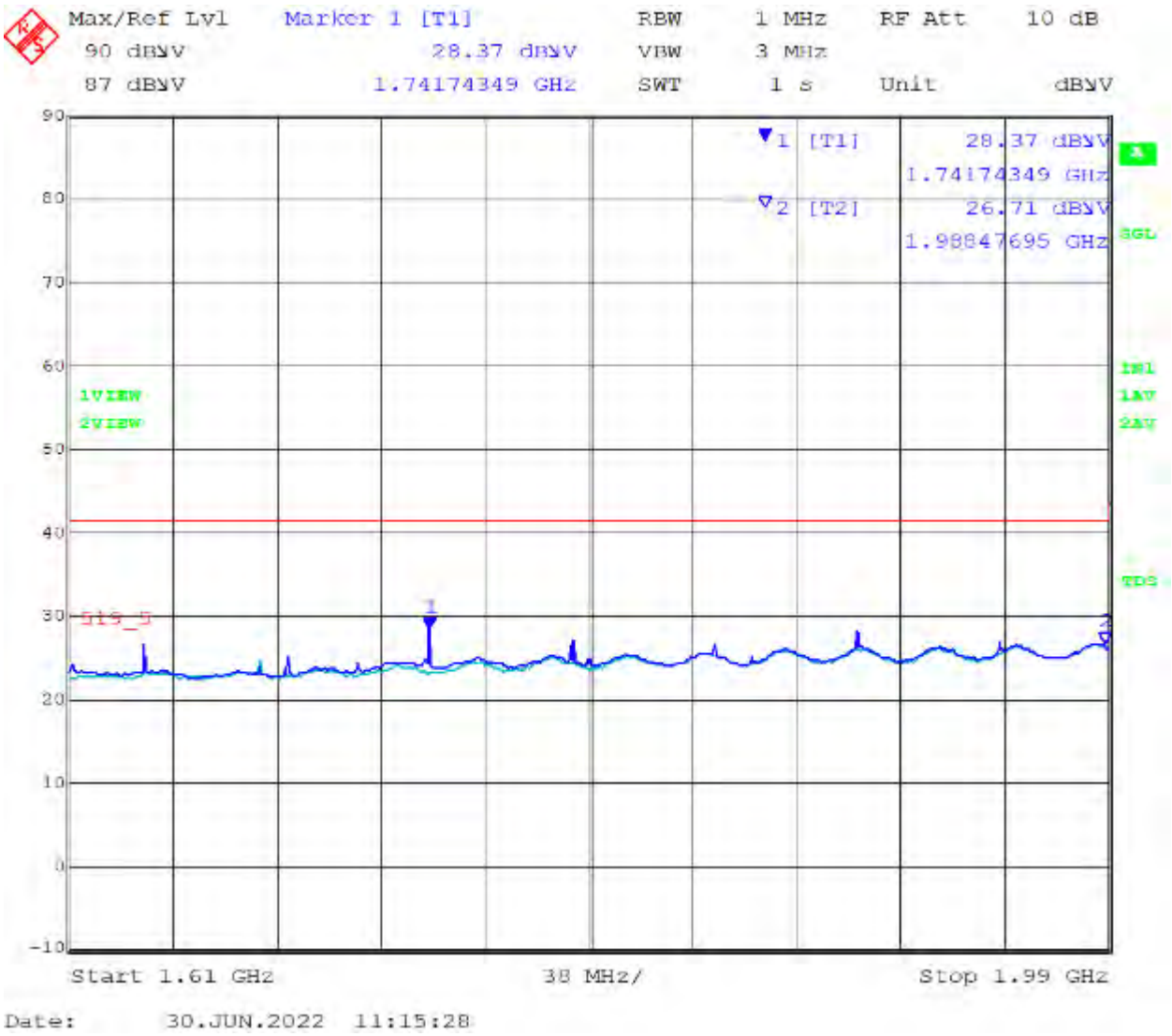
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

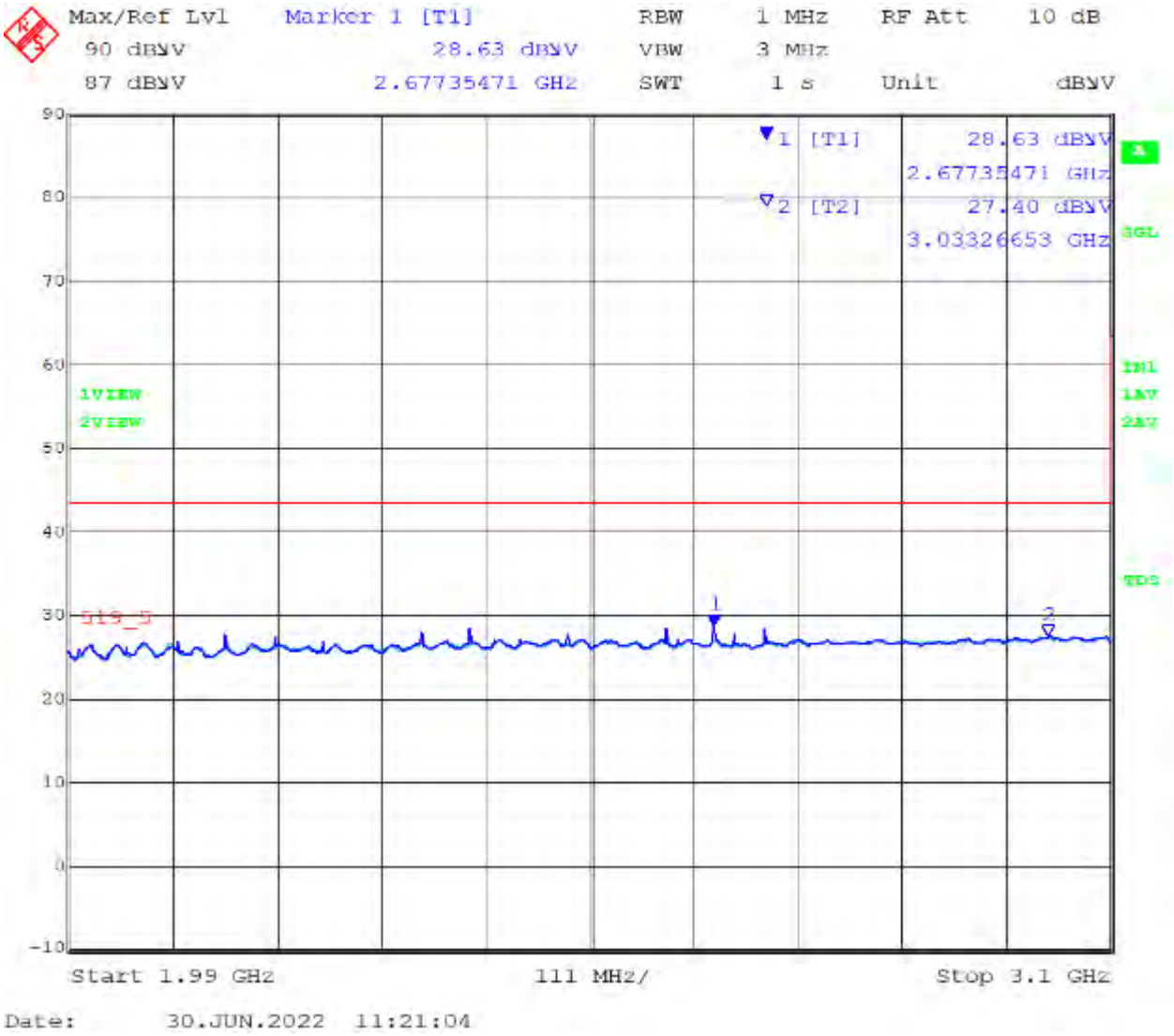
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

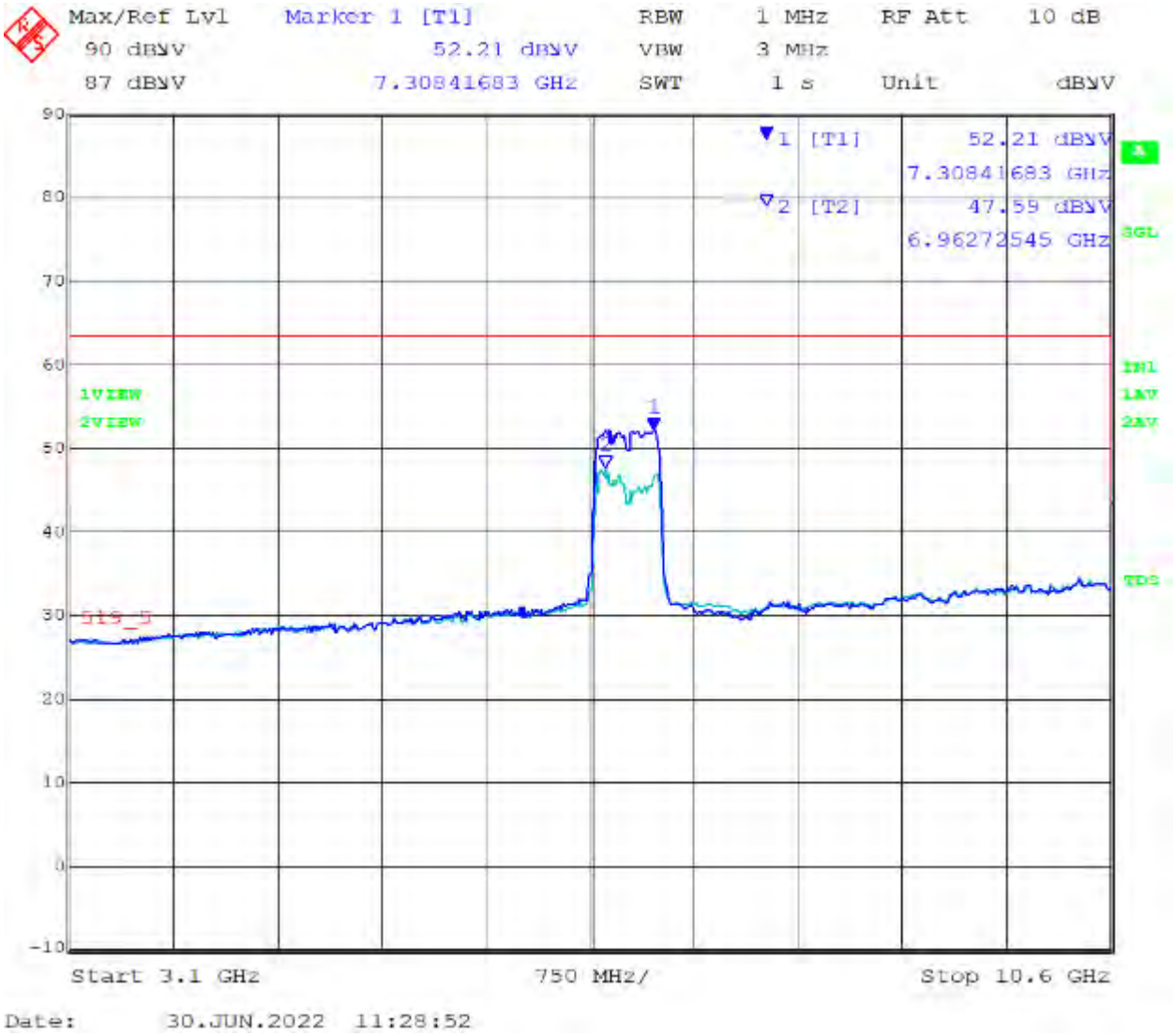
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

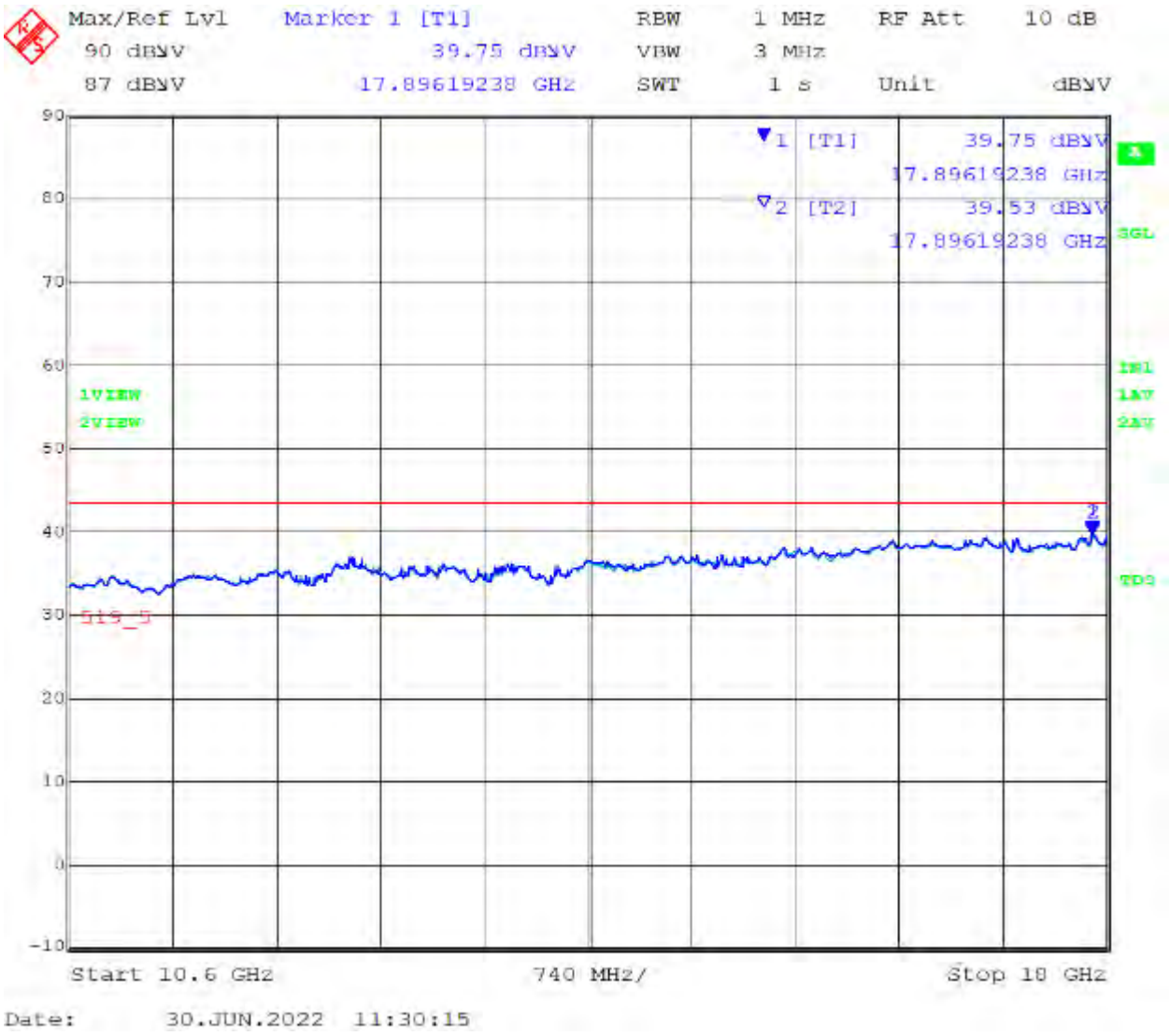
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

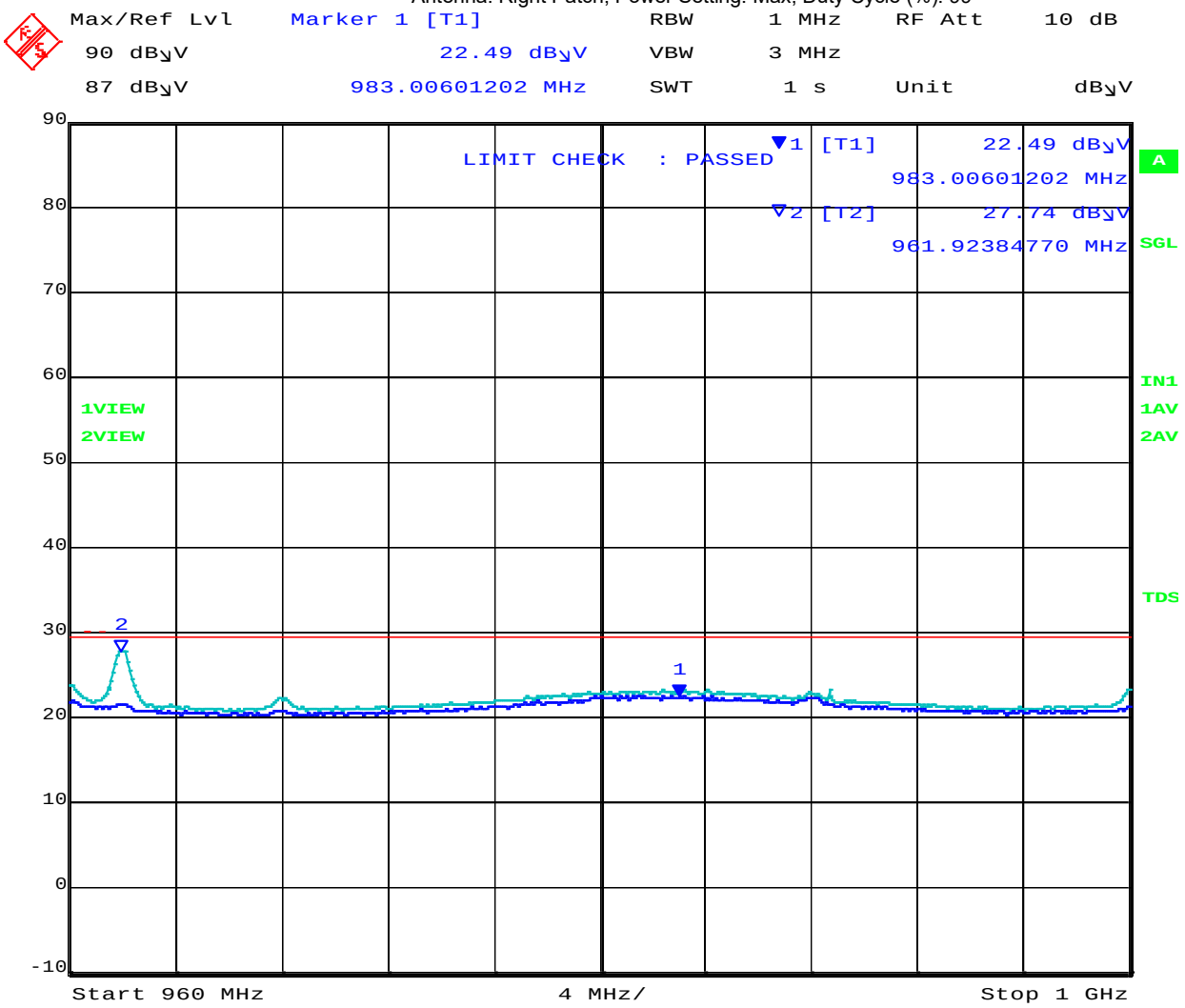


Back to Matrix

A.1.12 Right Patch Antenna Bands 3 & 6

RADIATED SPURIOUS EMISSIONS 960-1000MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

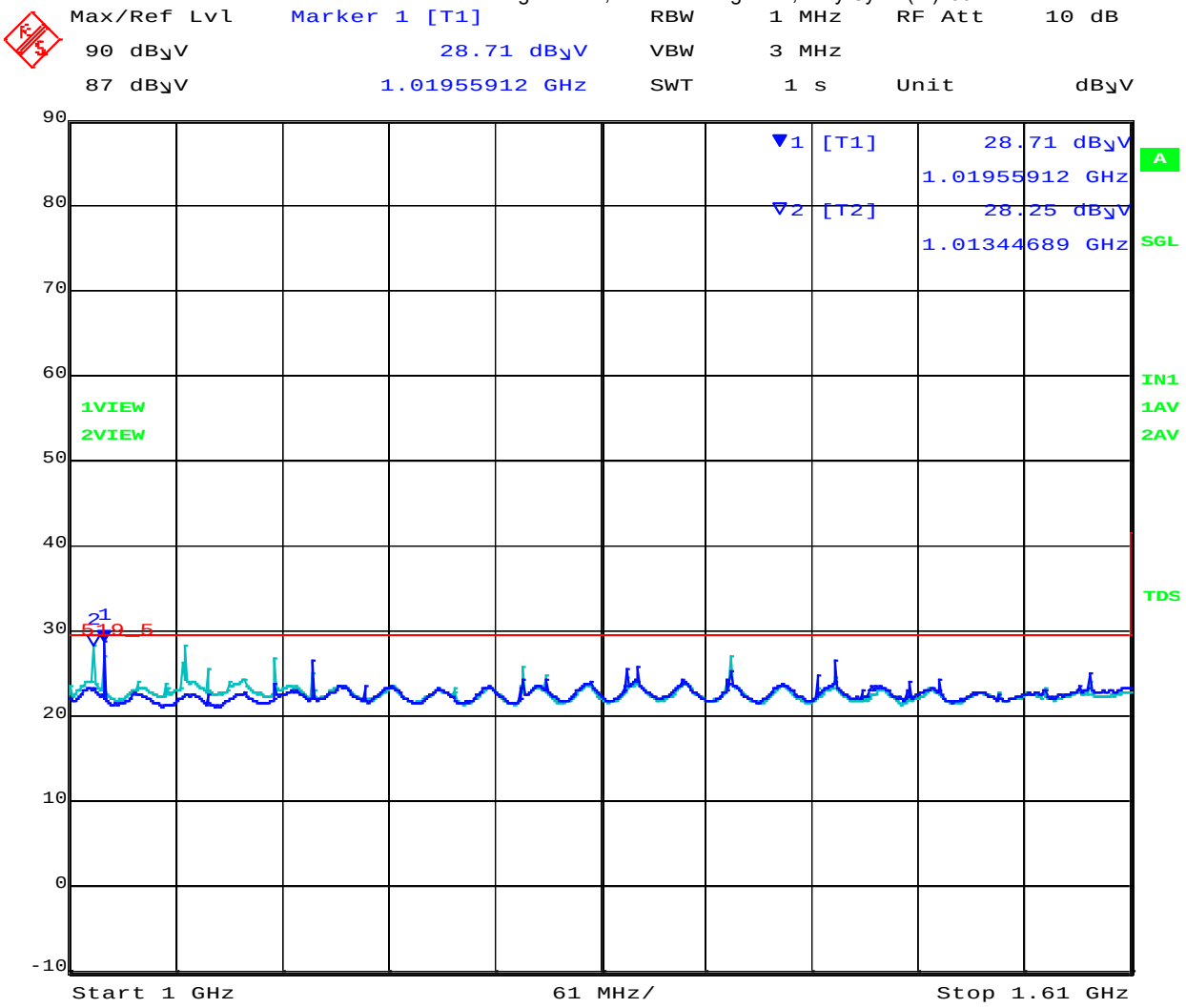


Date: 29.JUN.2022 16:13:19

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

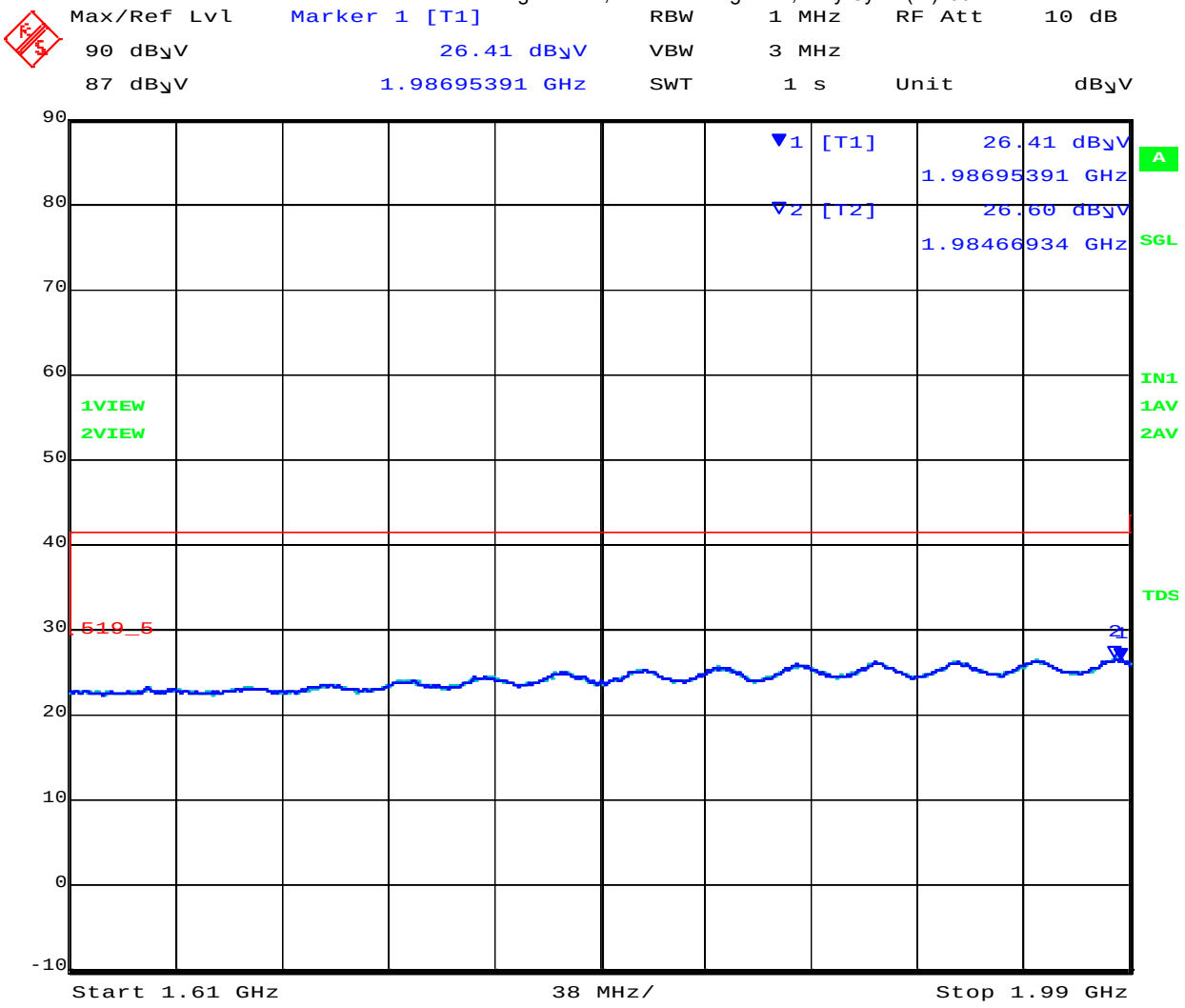


Date: 30.JUN.2022 11:42:53

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

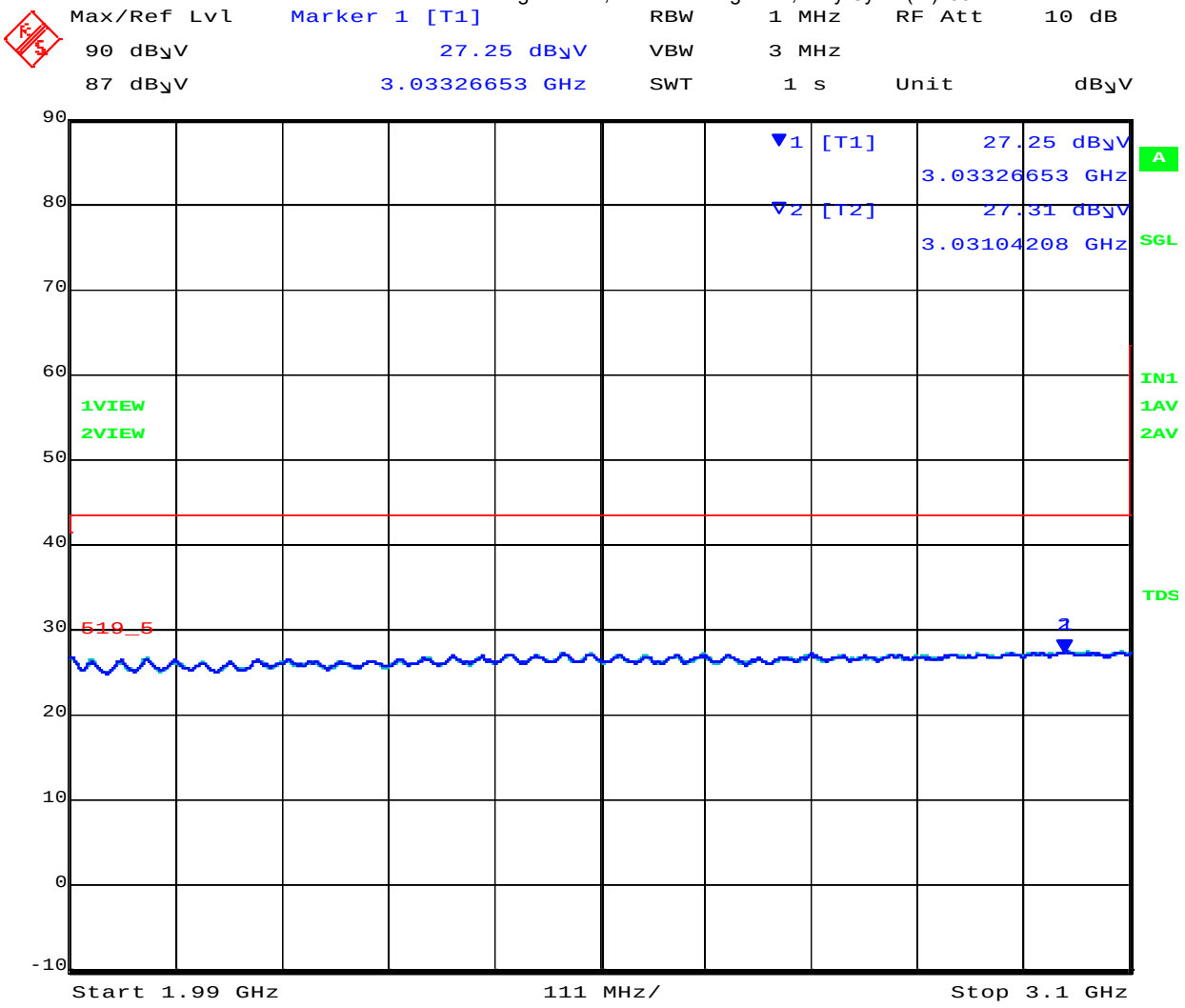


Date: 30.JUN.2022 11:38:40

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

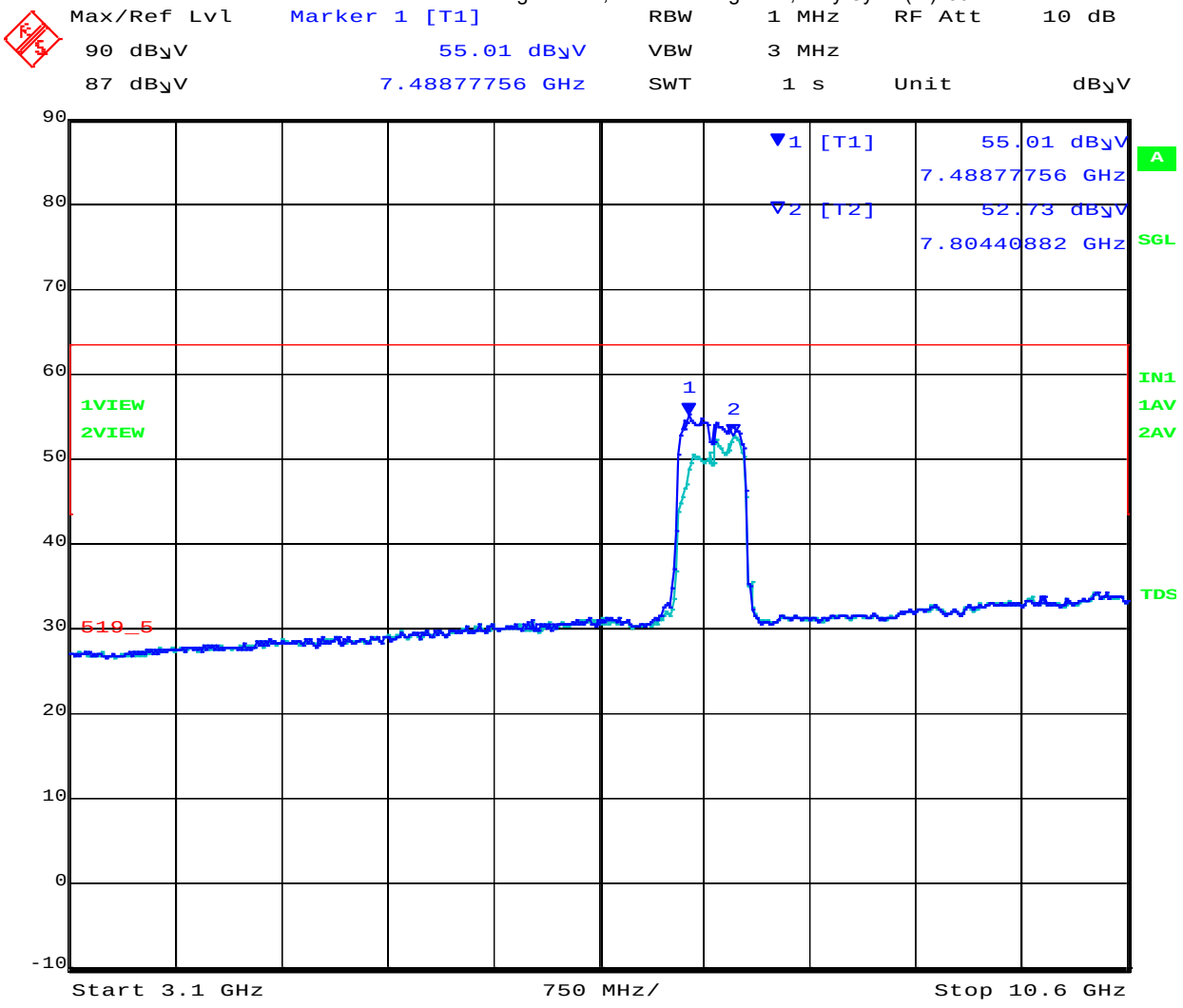


Date: 30.JUN.2022 11:37:40

Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

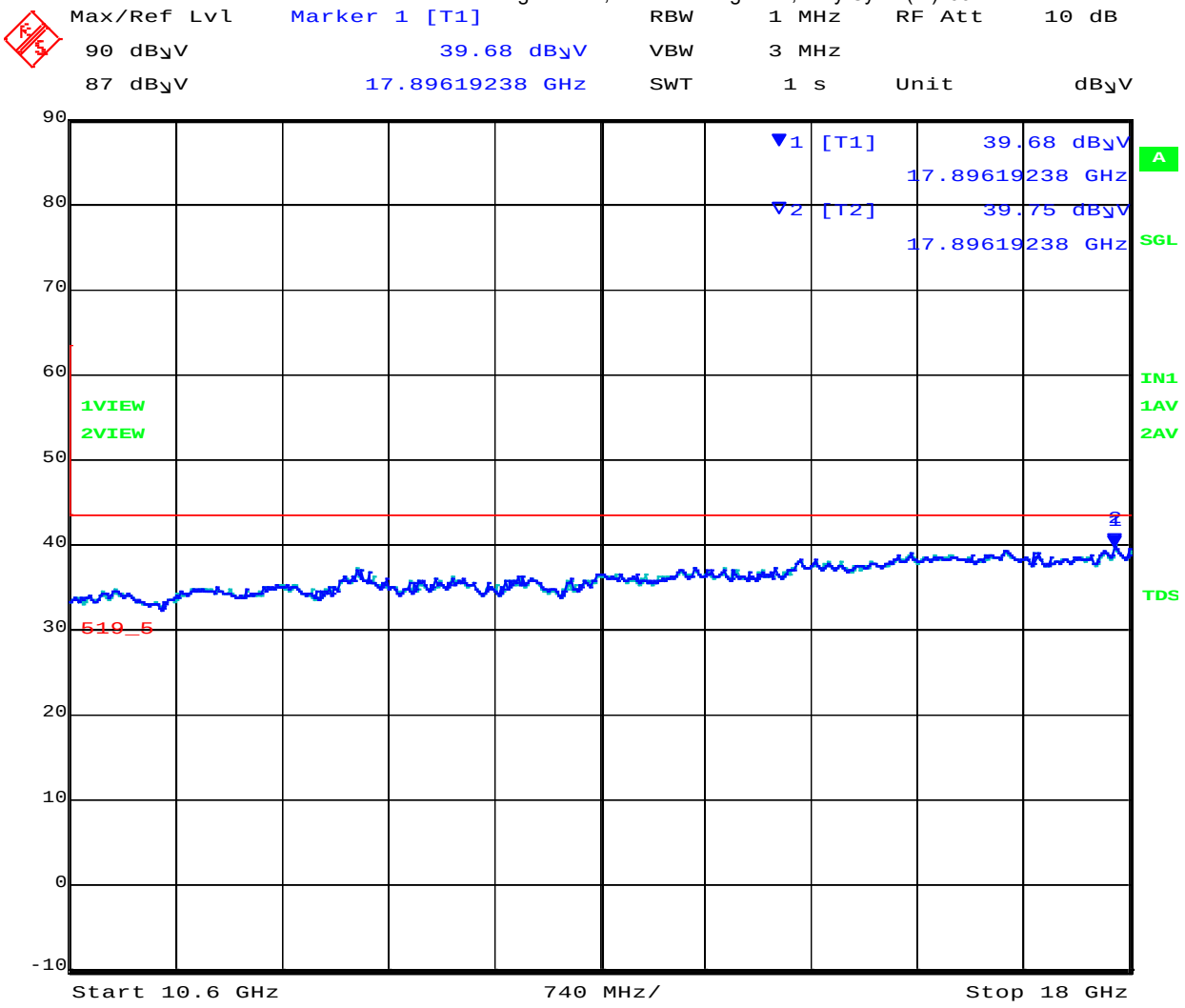
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Date: 30.JUN.2022 11:31:31

Back to Matrix

A.1.11 Right Patch Antenna Band 6

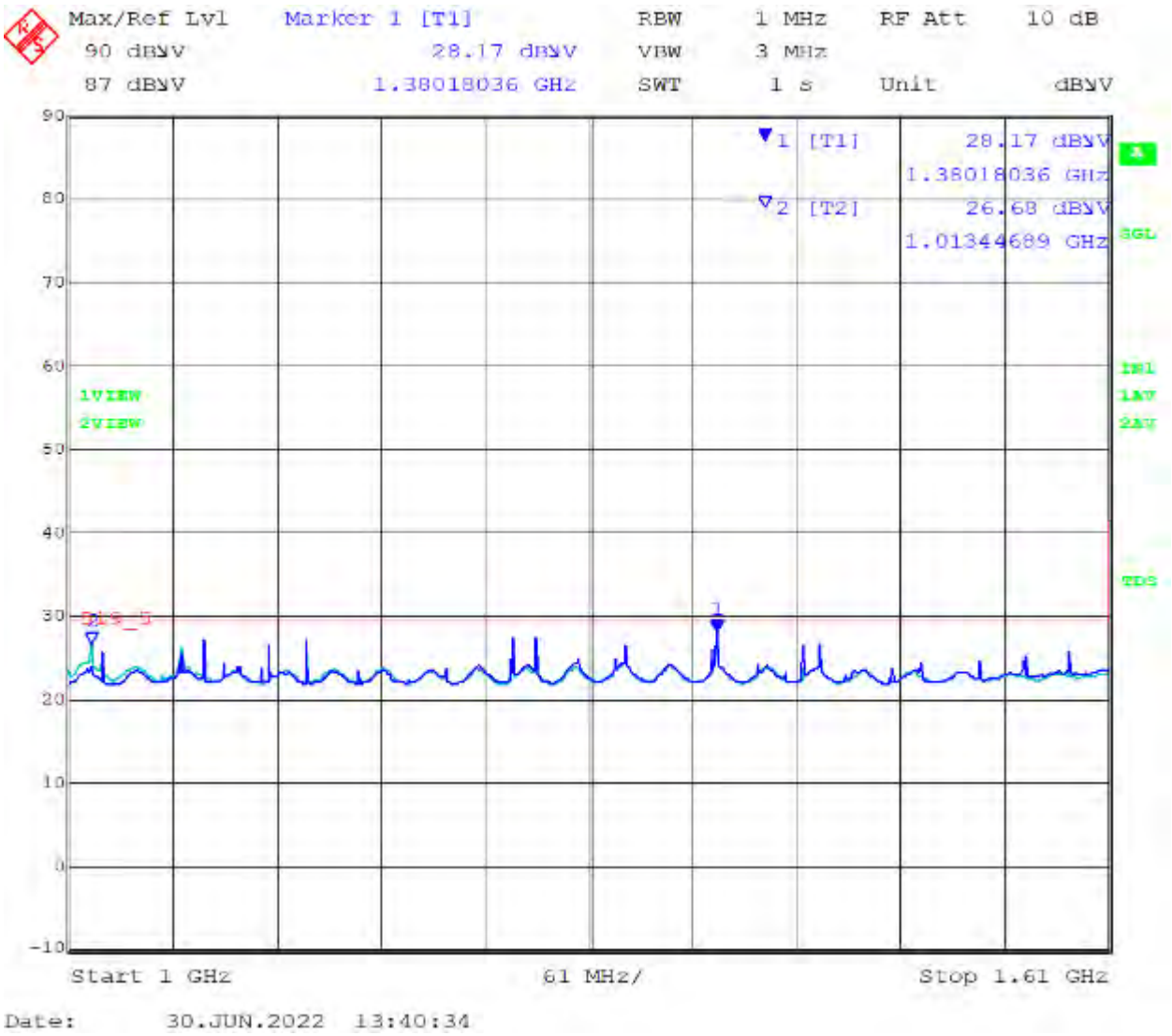
RADIATED SPURIOUS EMISSIONS 960-1000MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61GHz

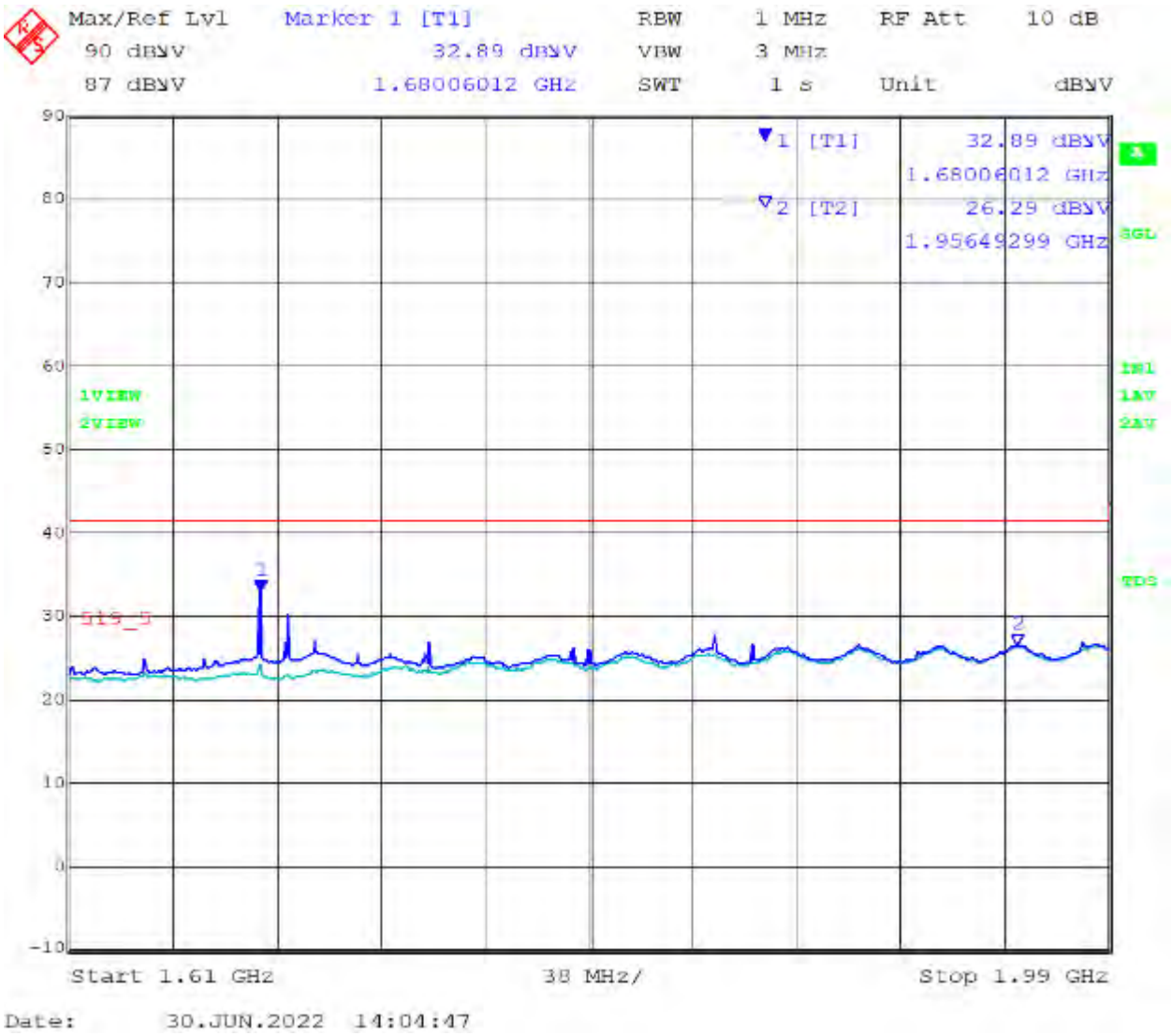
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

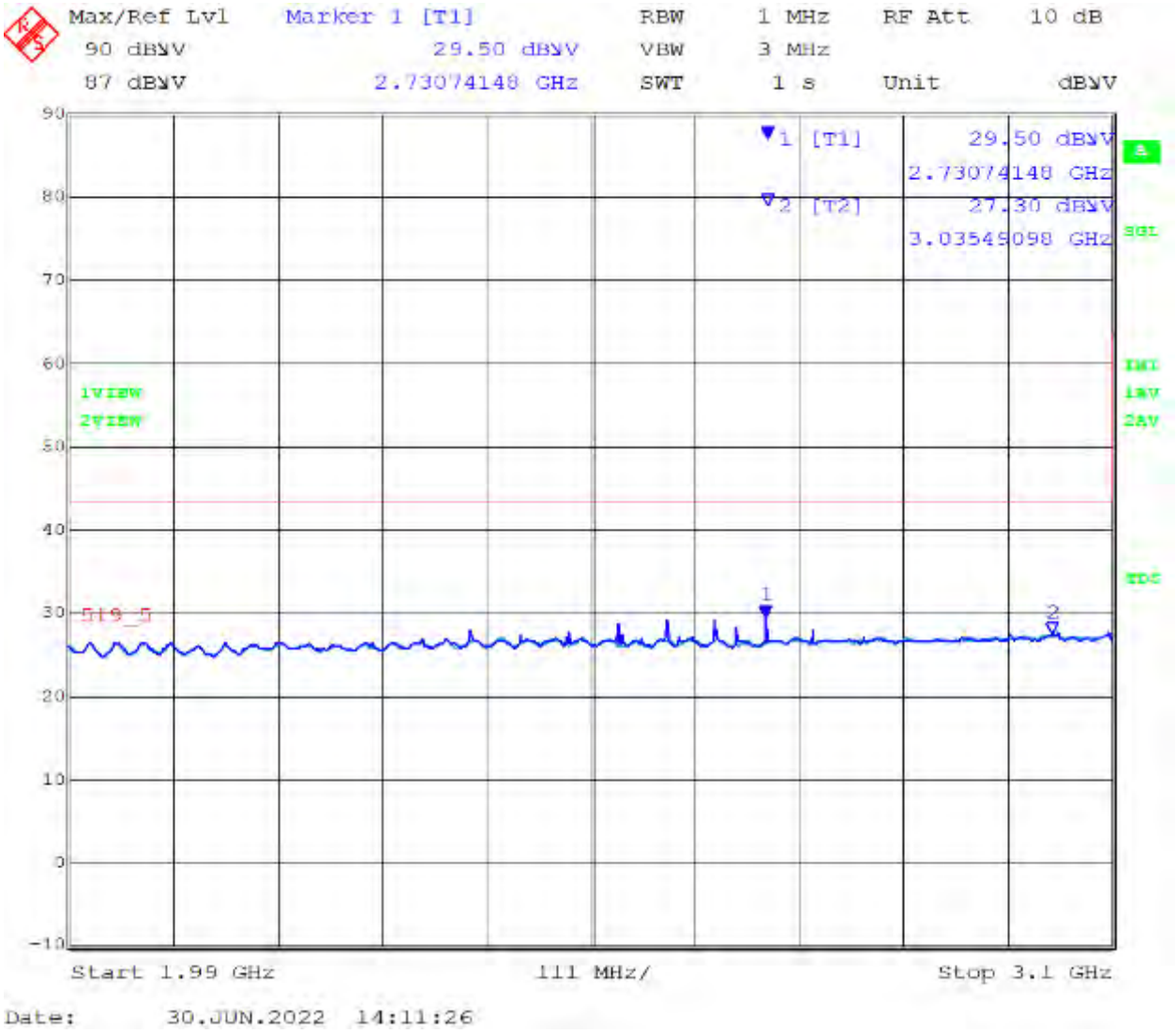
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

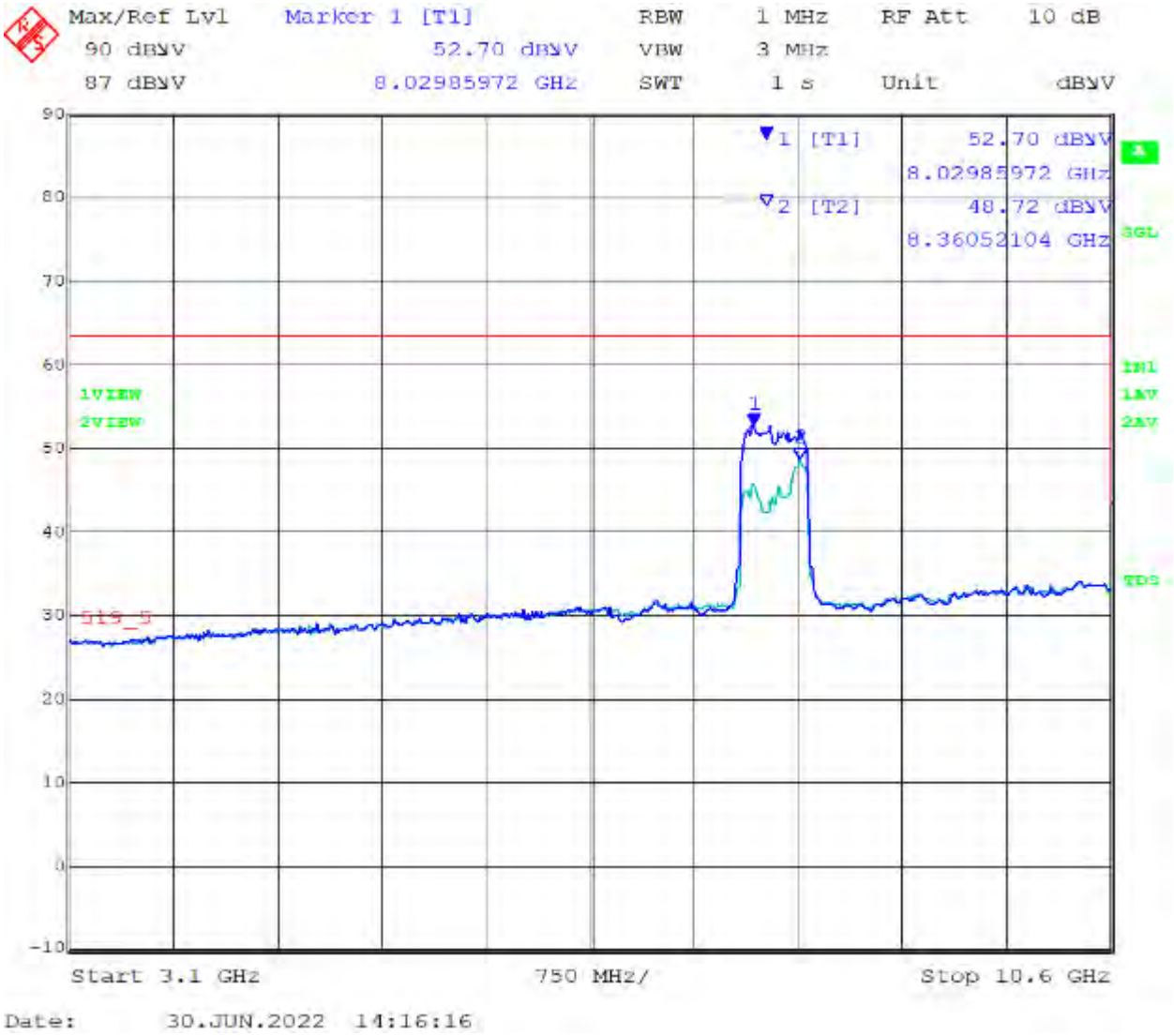
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

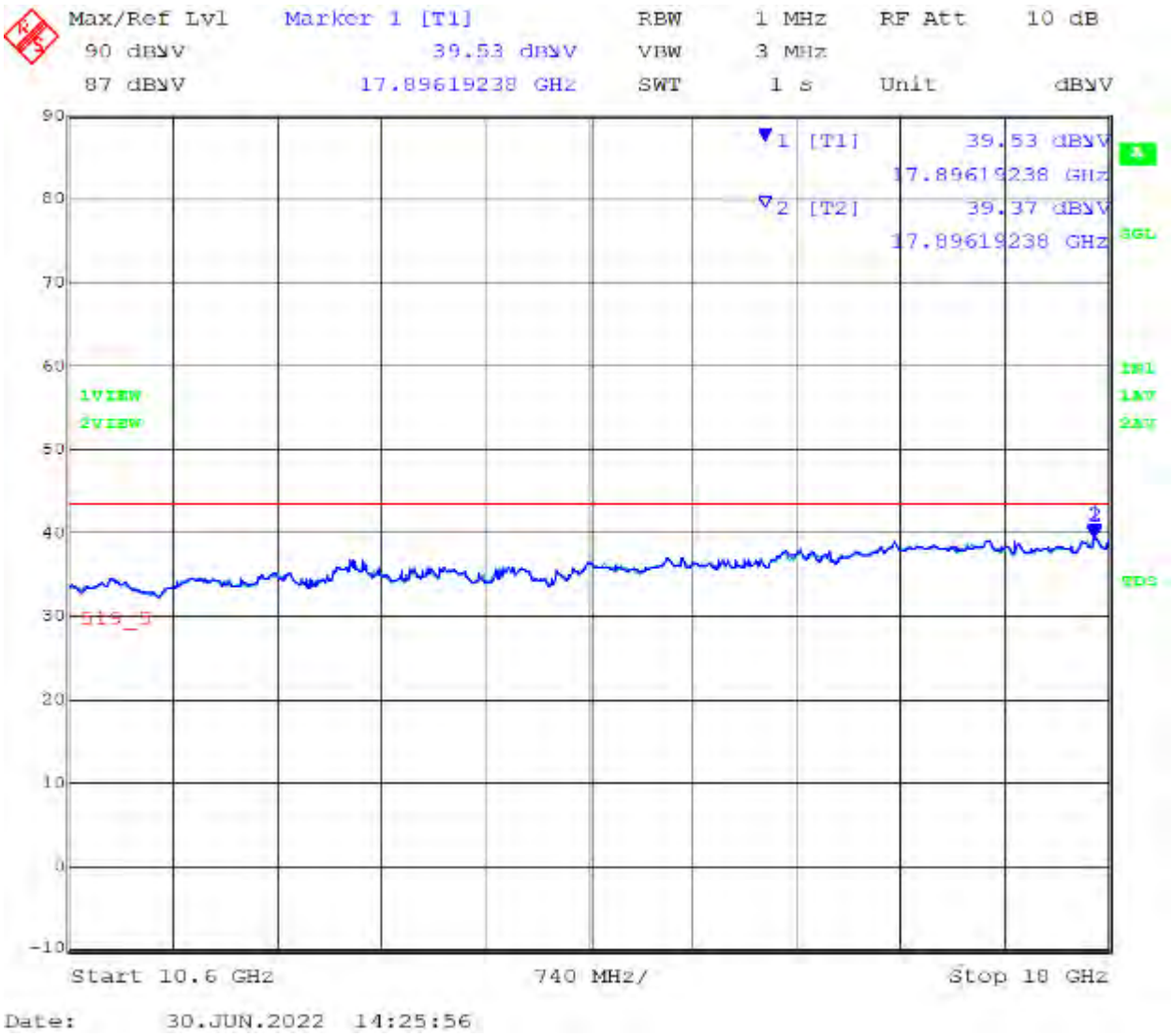
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

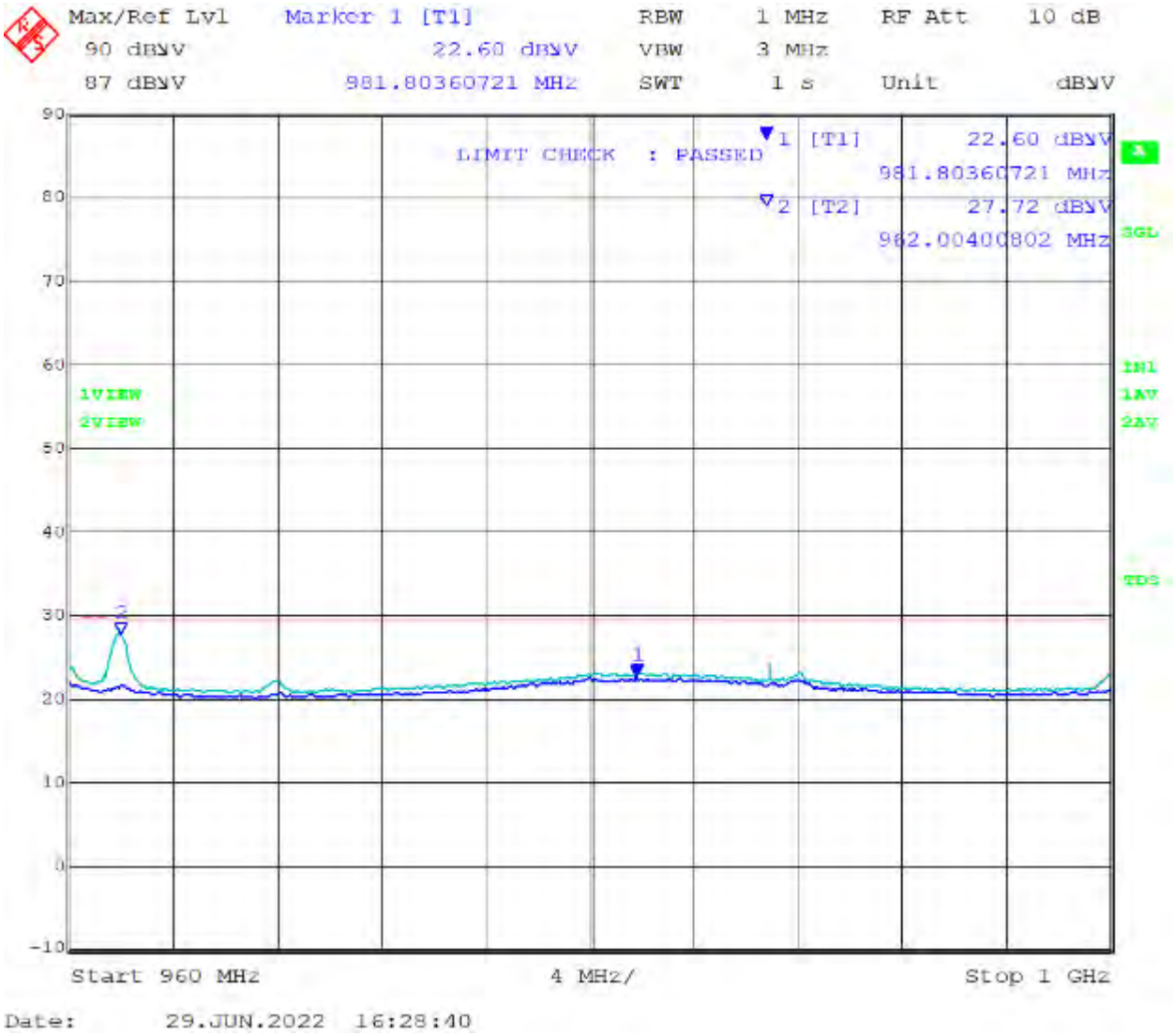
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 960-1000MHz

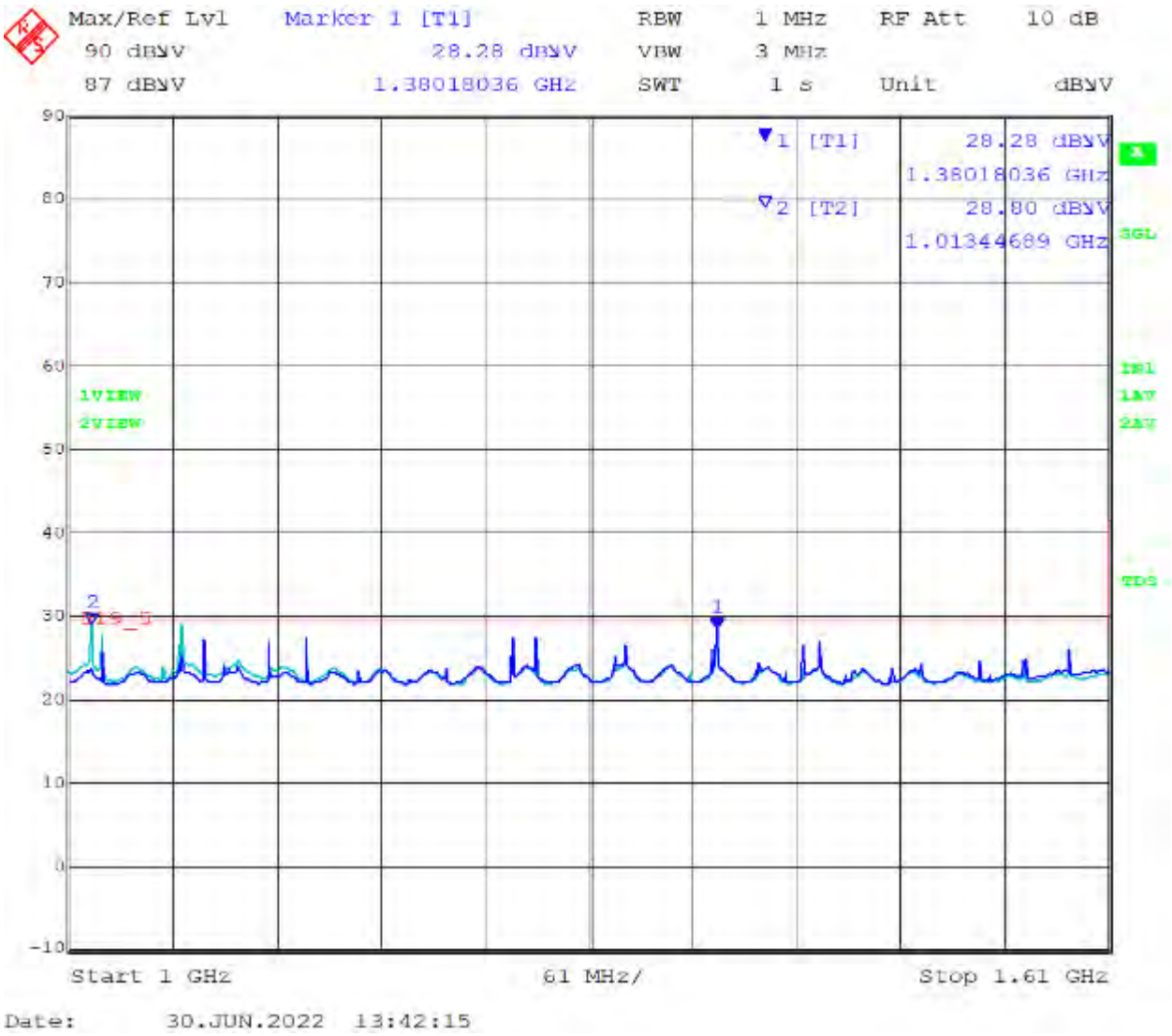
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.0-1.61GHz

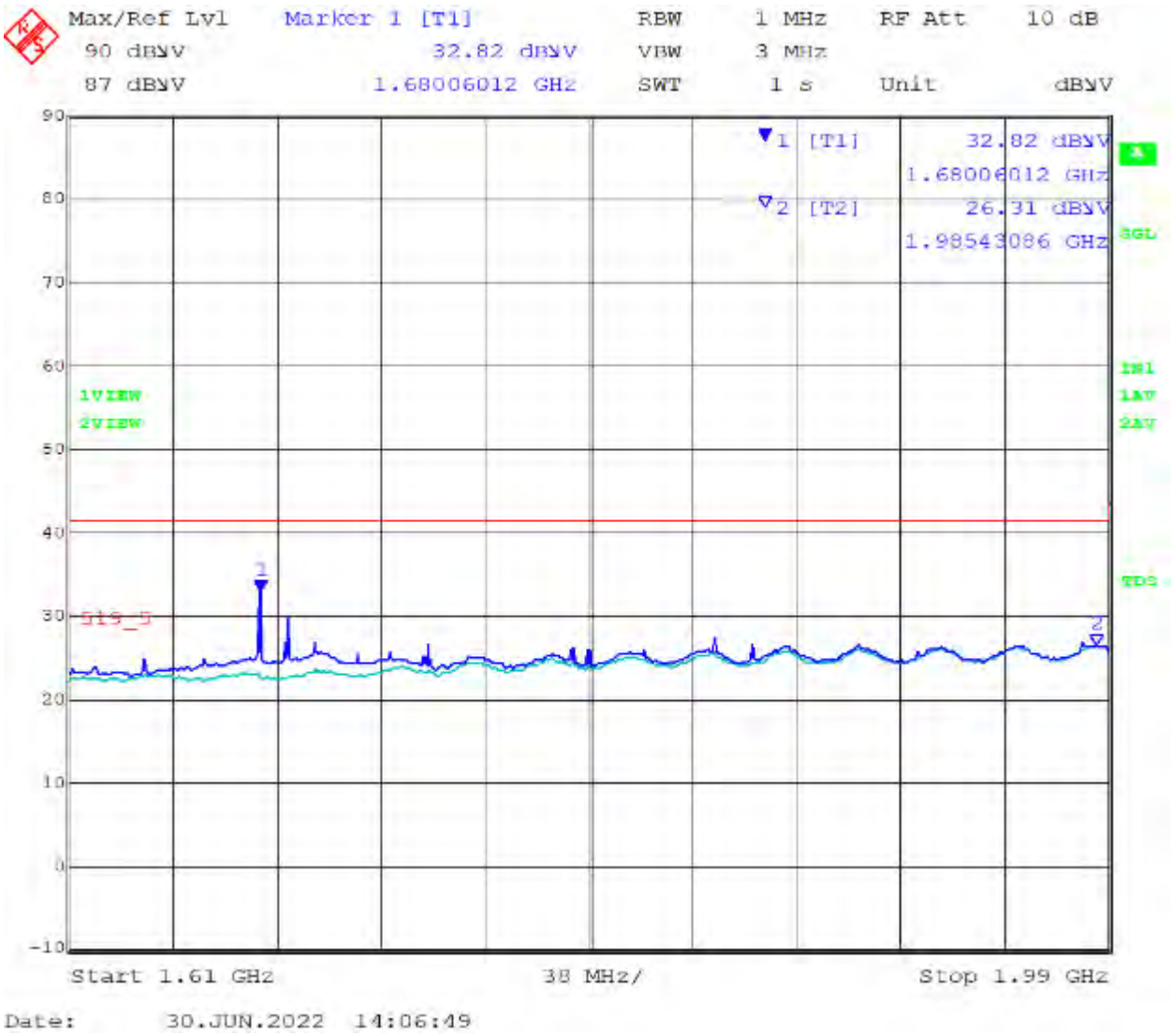
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.61-1.99GHz

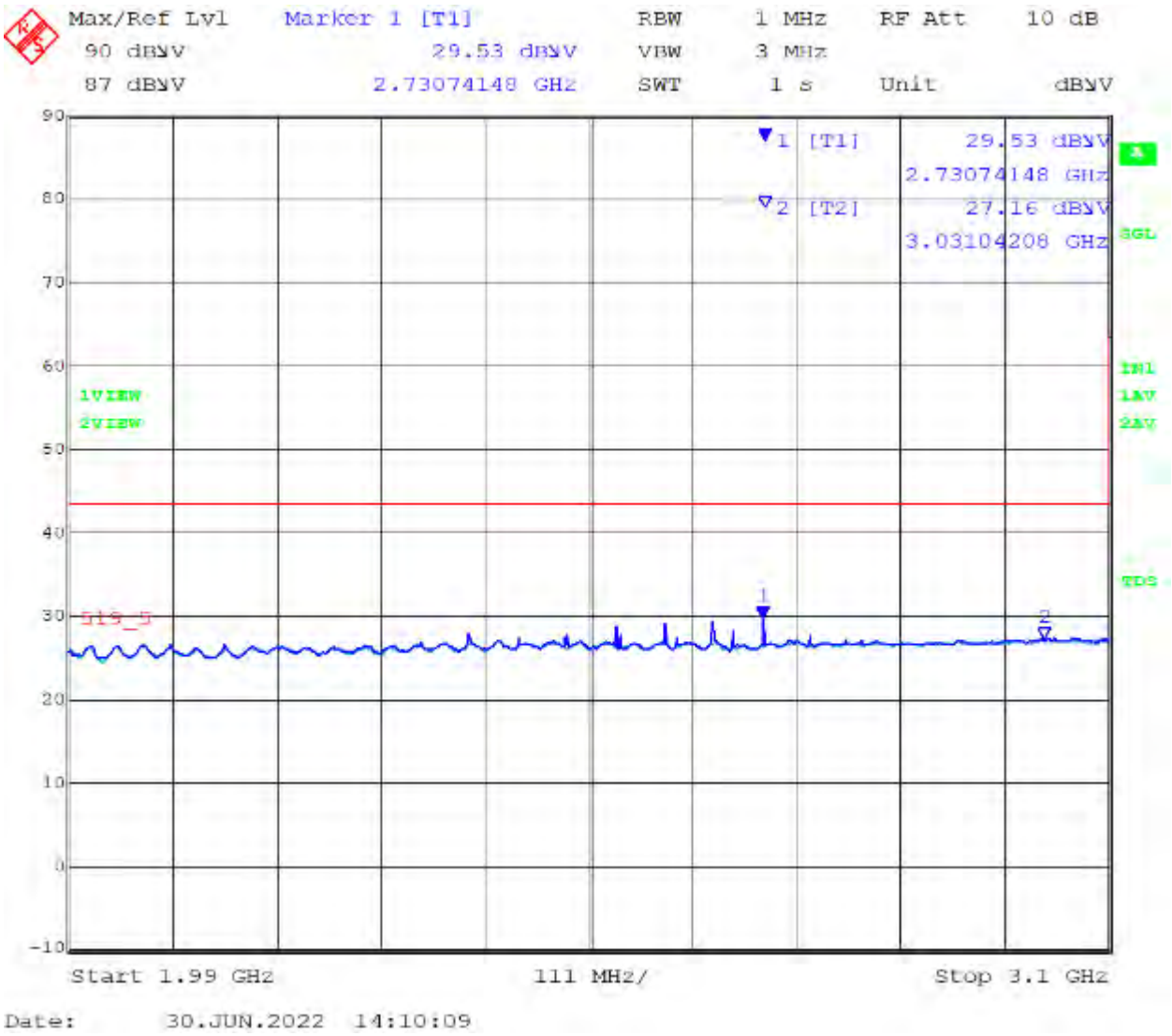
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.99-3.10GHz

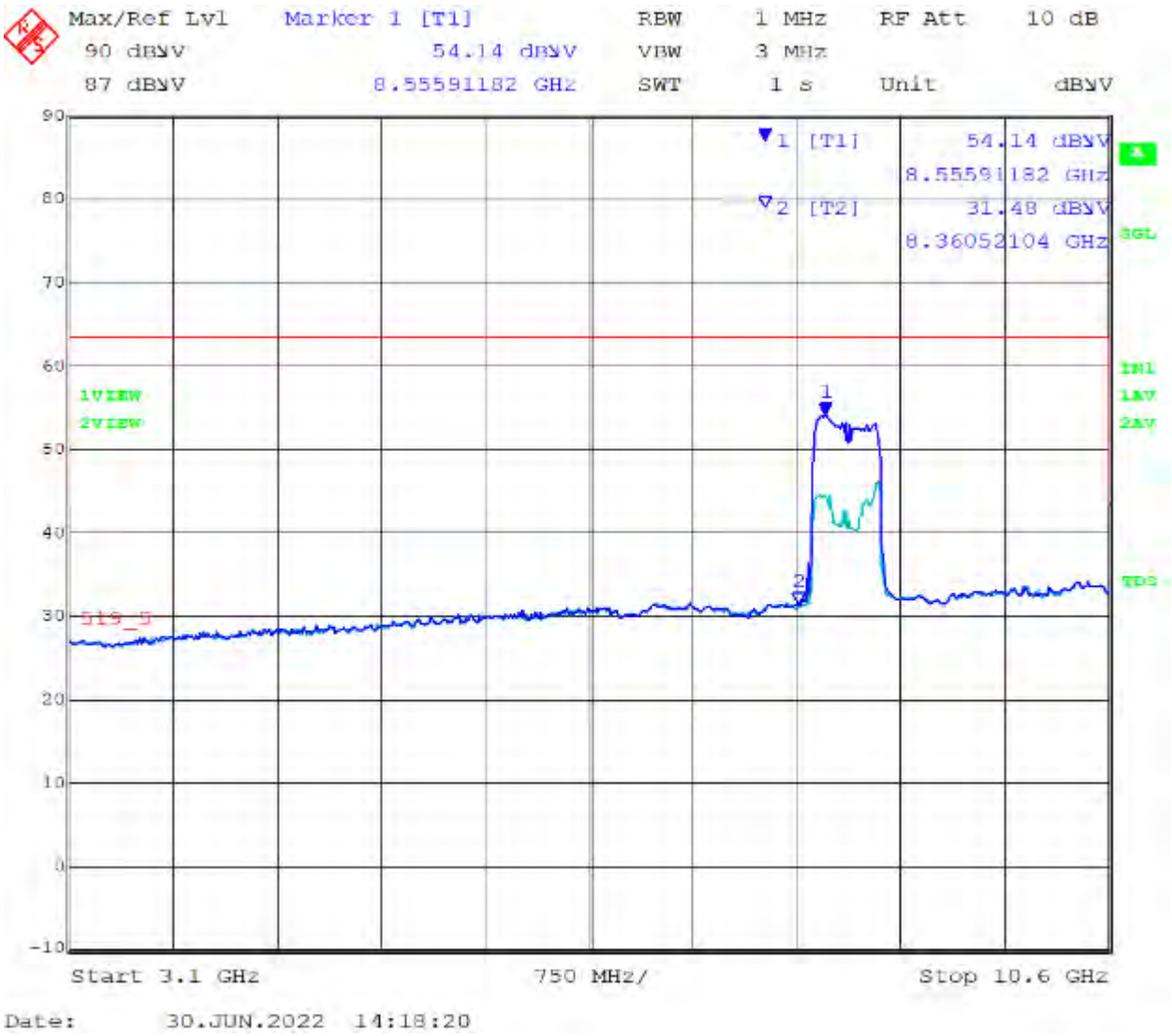
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 3.10-10.60 GHz

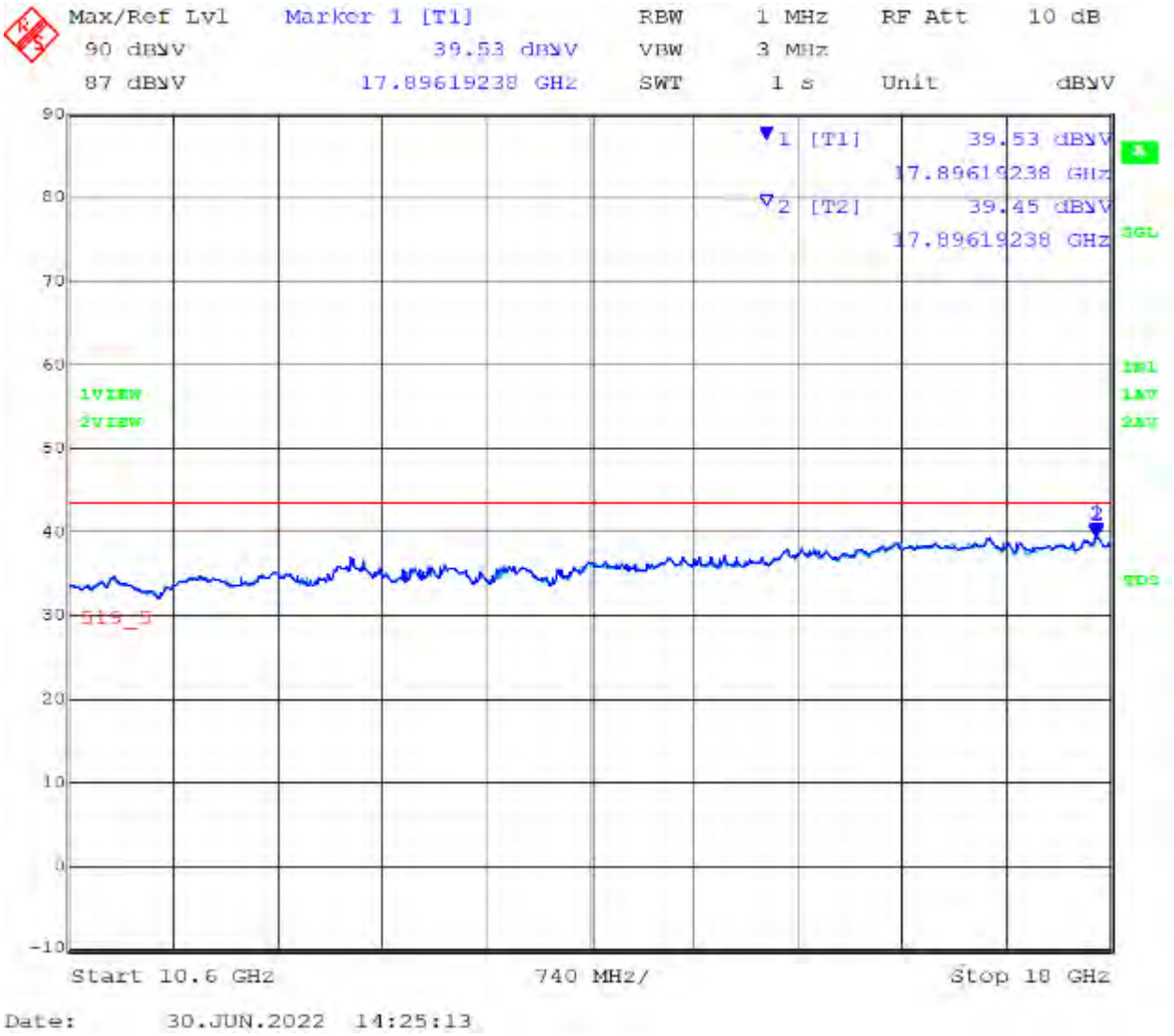
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 10.60-18.00 GHz

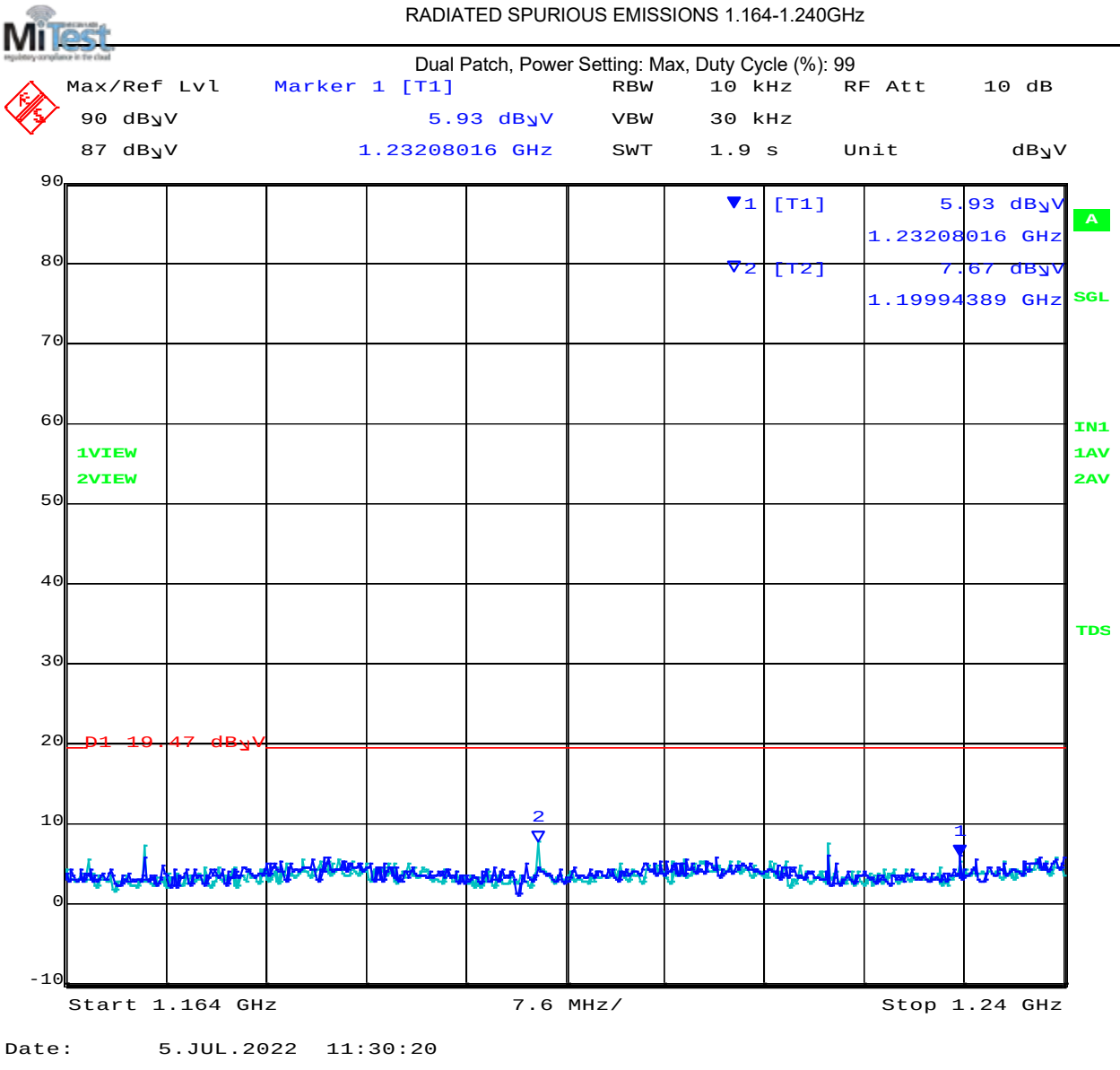
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

A.2 GPS Transmitter Spurious Emissions

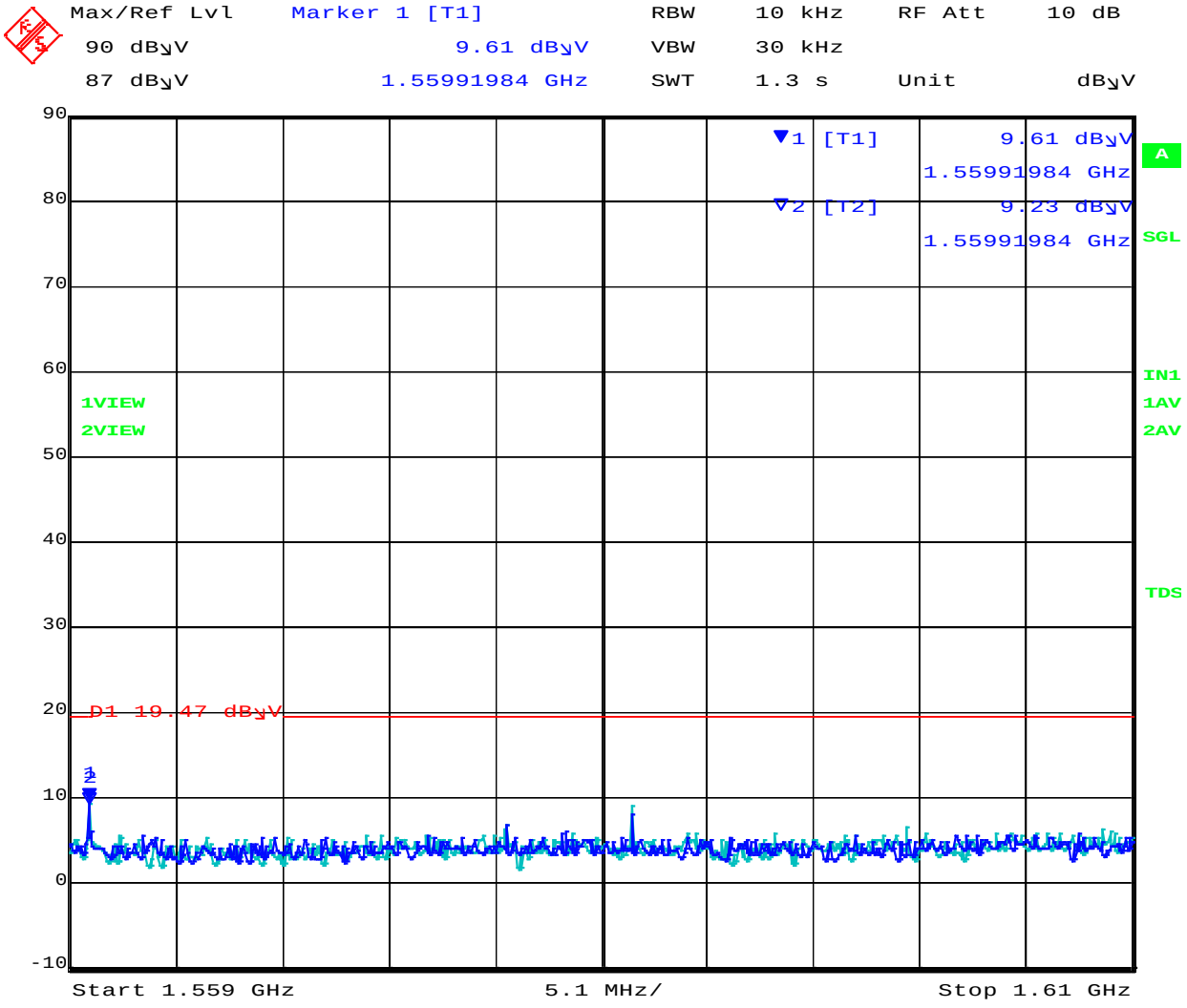
A.2.1 Membrane Patch Antenna Band 1 GPS



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

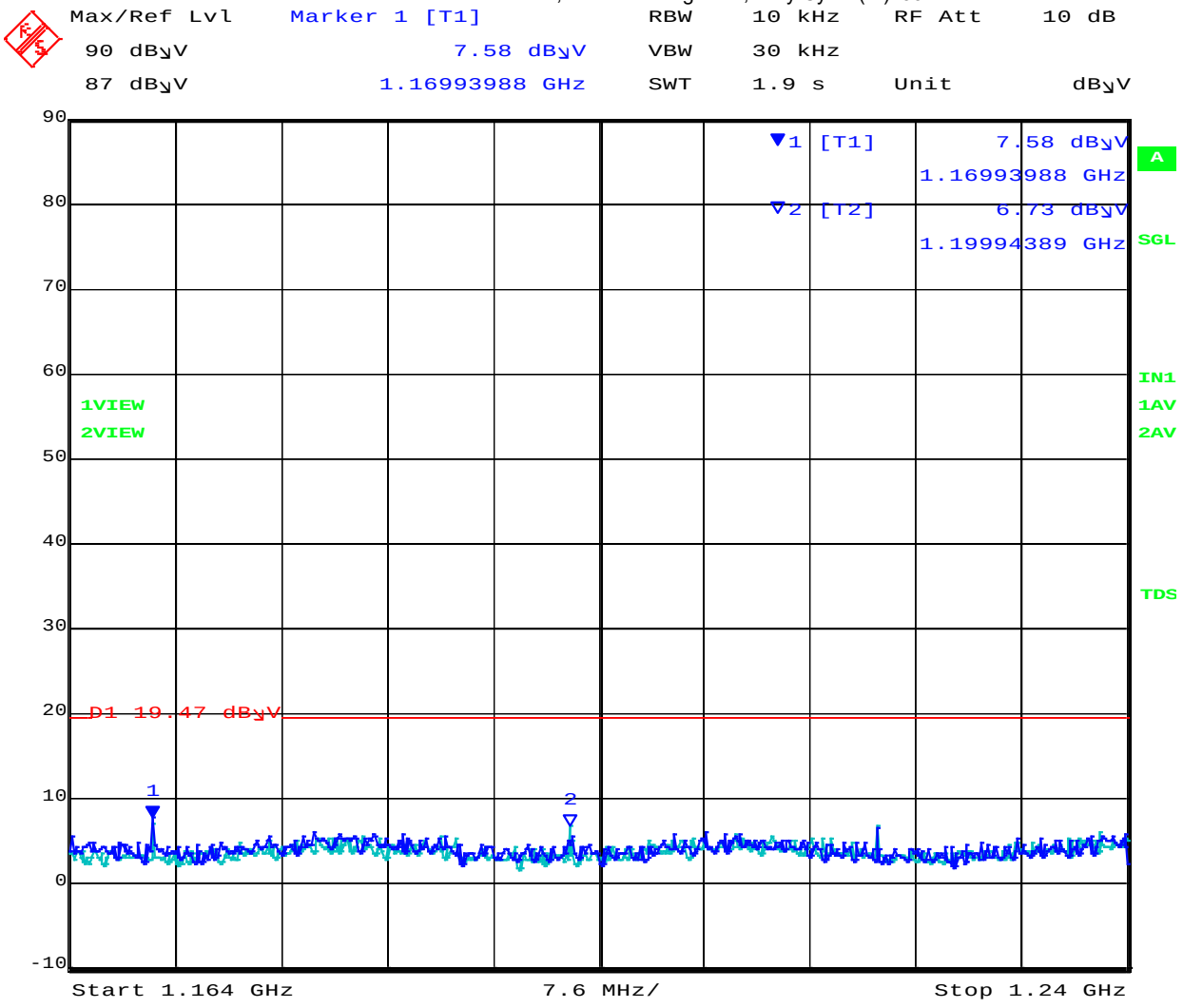


Date: 5.JUL.2022 13:33:38

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

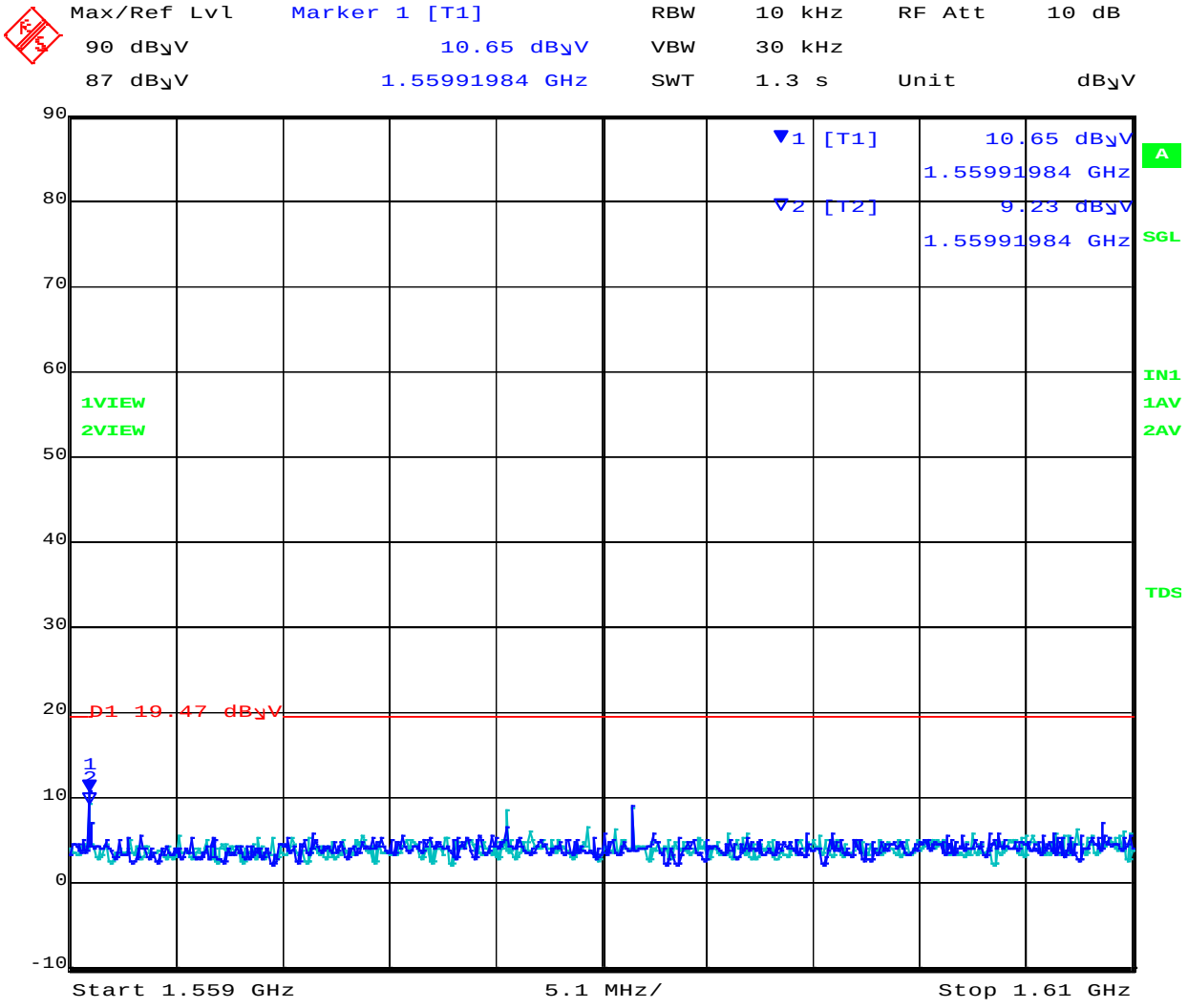


Date: 5.JUL.2022 11:31:13

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

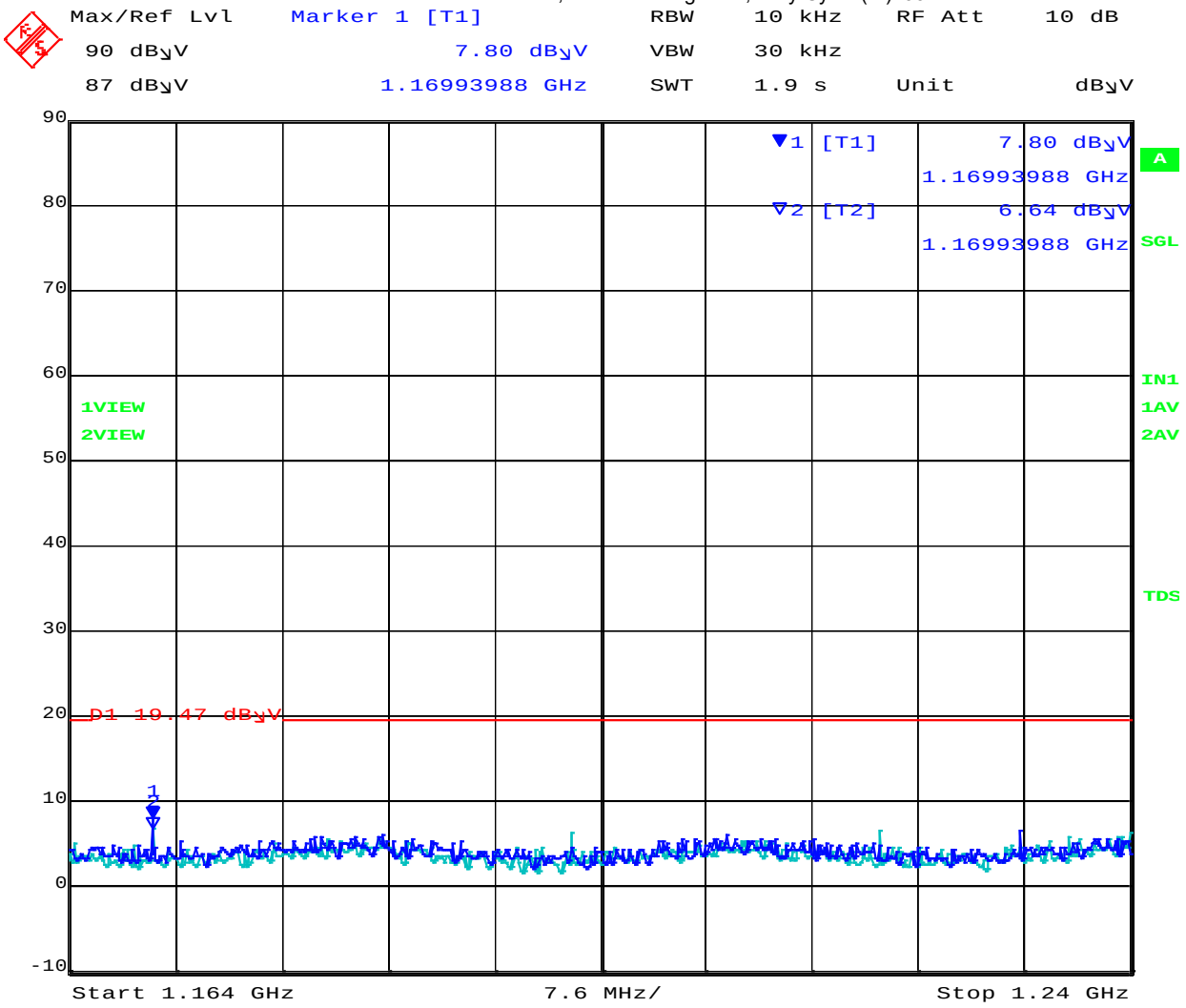


Date: 5.JUL.2022 13:36:36

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

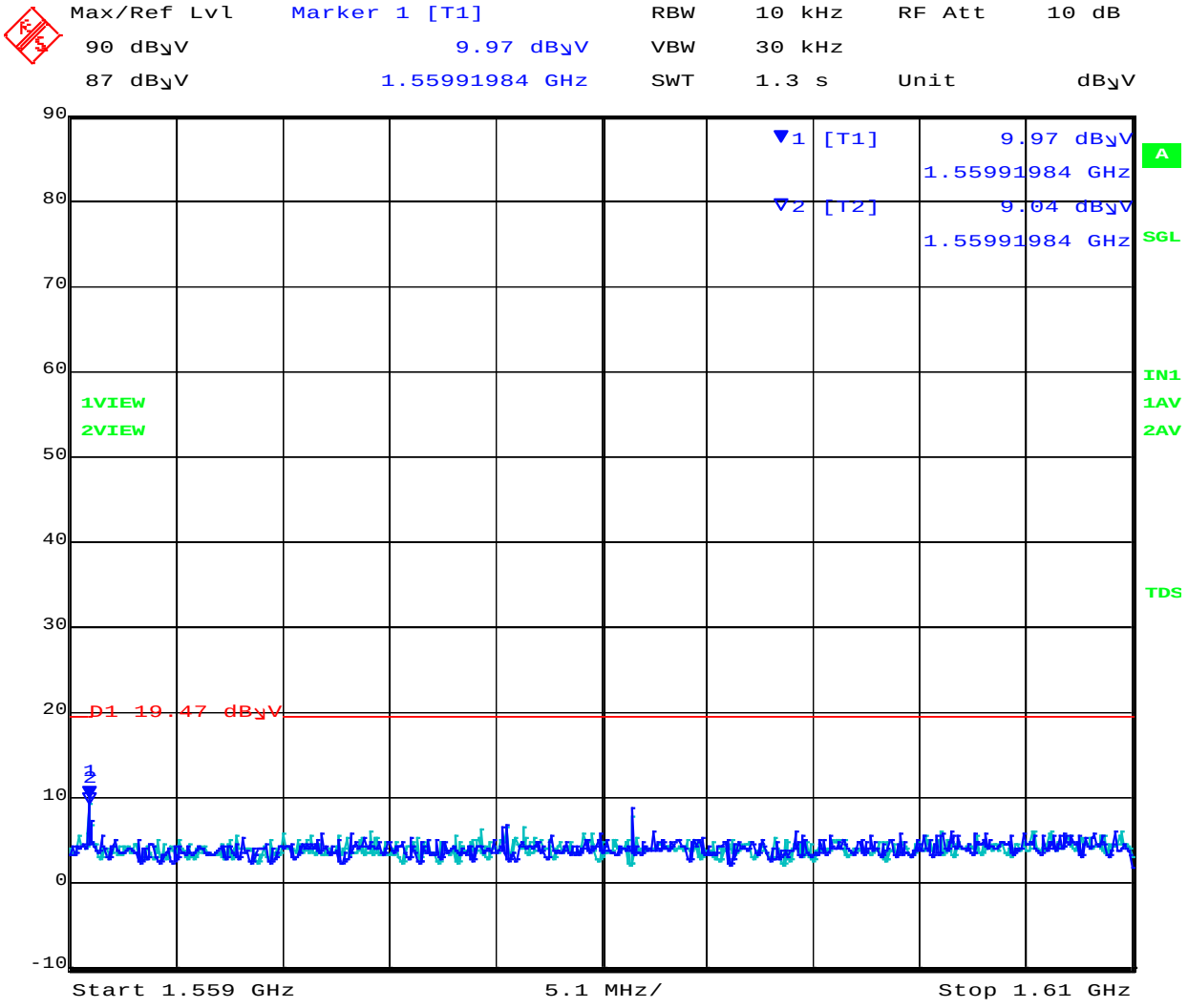


Date: 5.JUL.2022 11:38:27

[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99



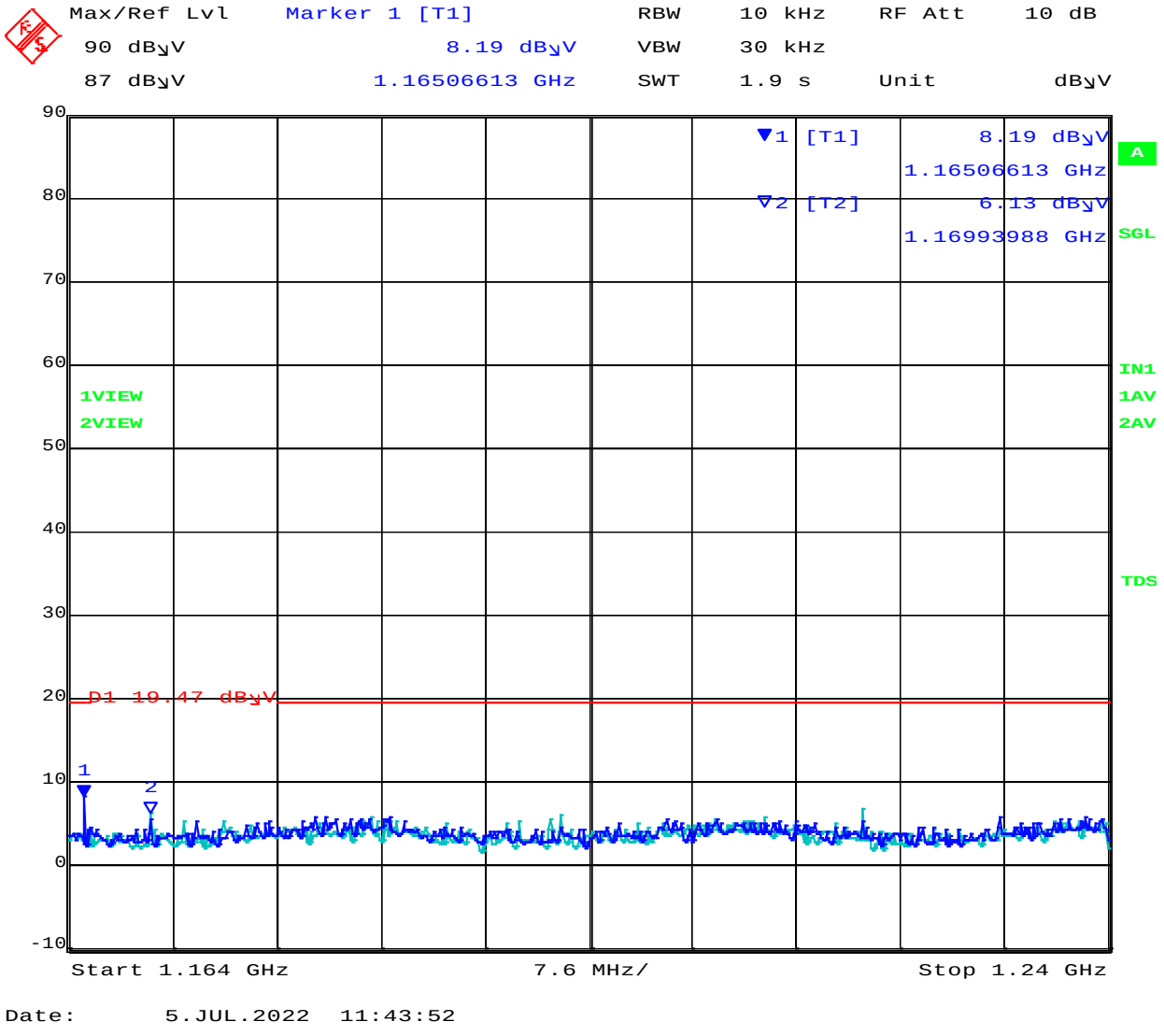
Date: 5.JUL.2022 13:37:09

Back to Matrix

A.2.2 Membrane Patch Antenna Band 3 GPS

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

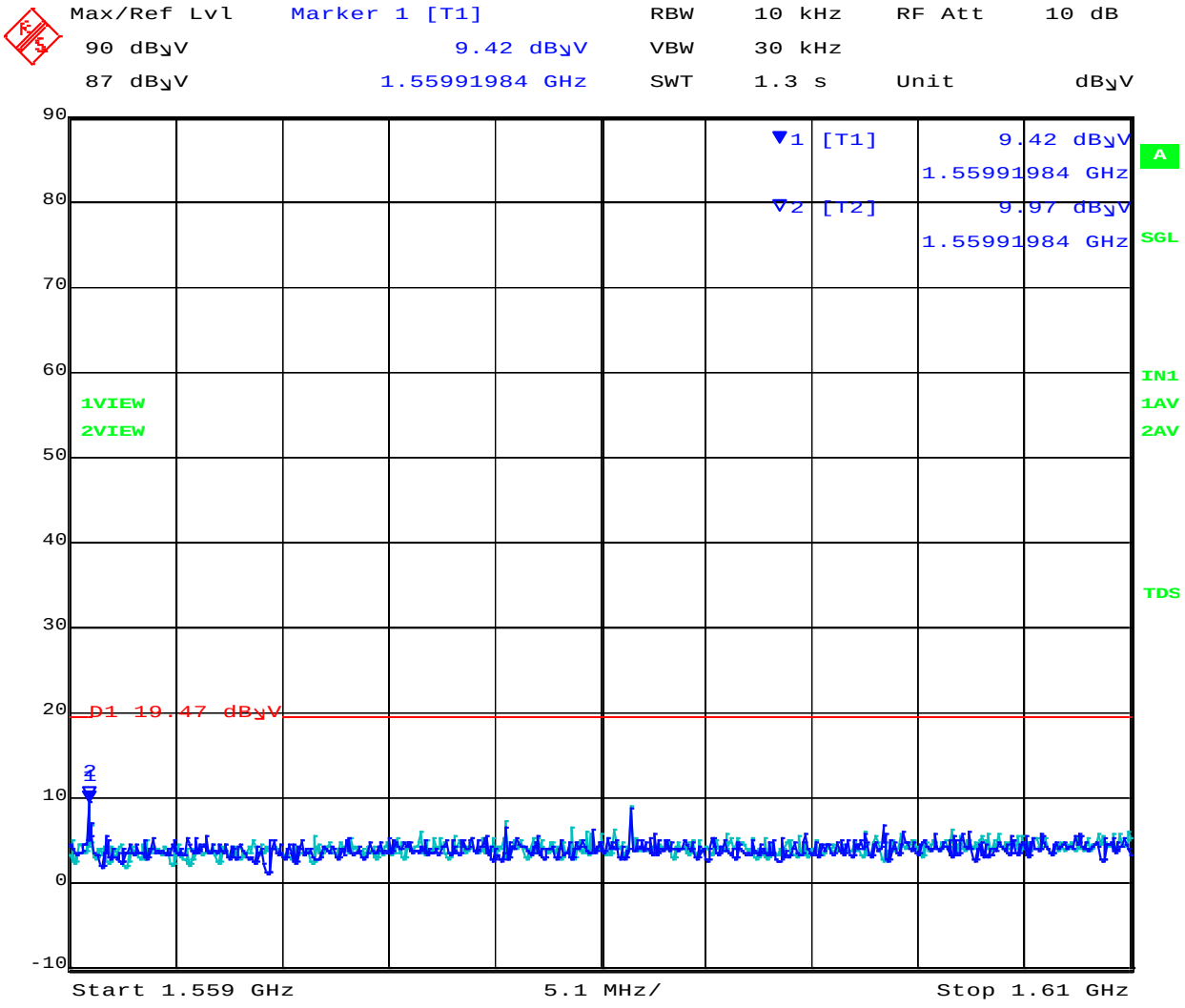
Dual Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

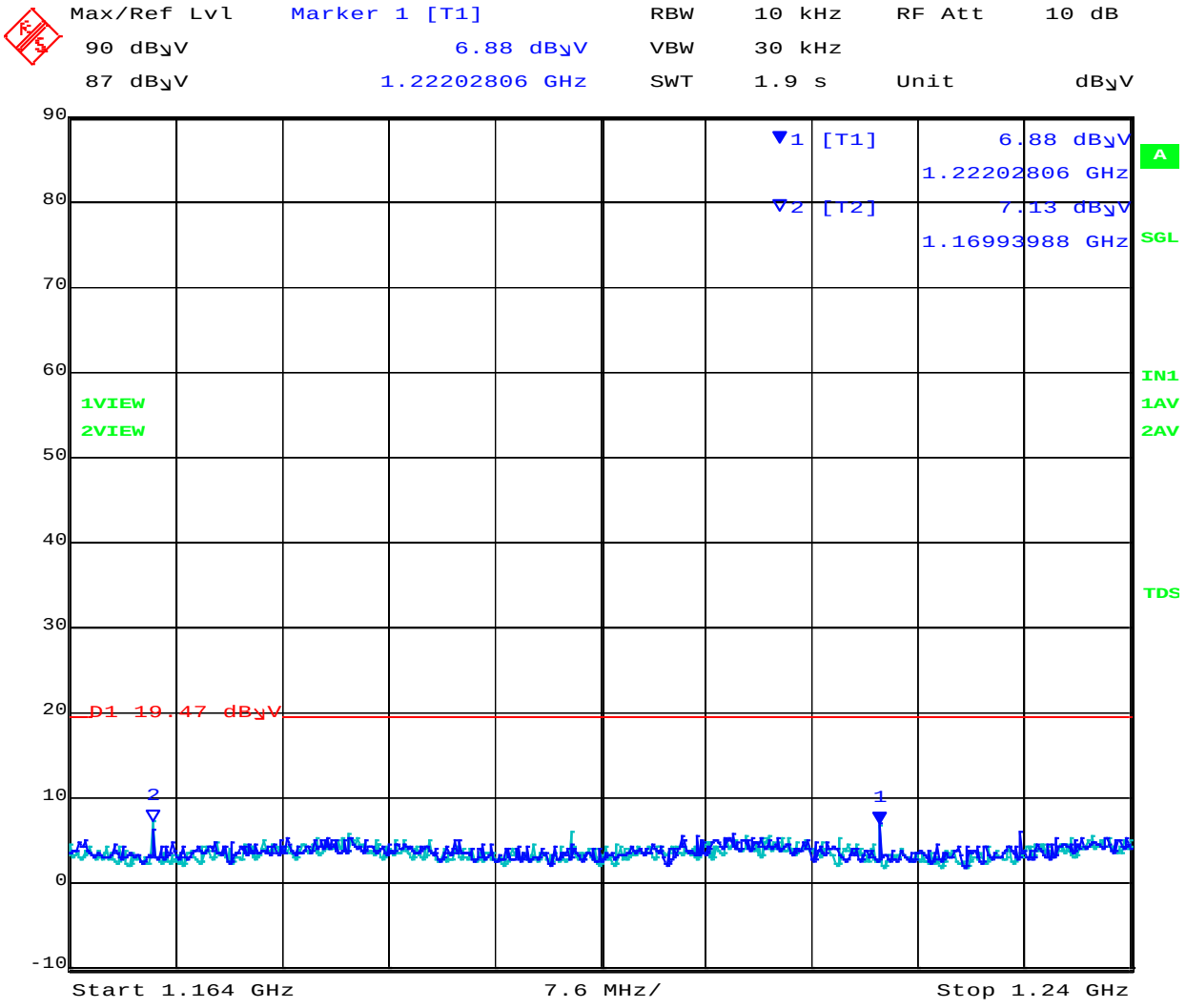


Date: 5.JUL.2022 13:29:09

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

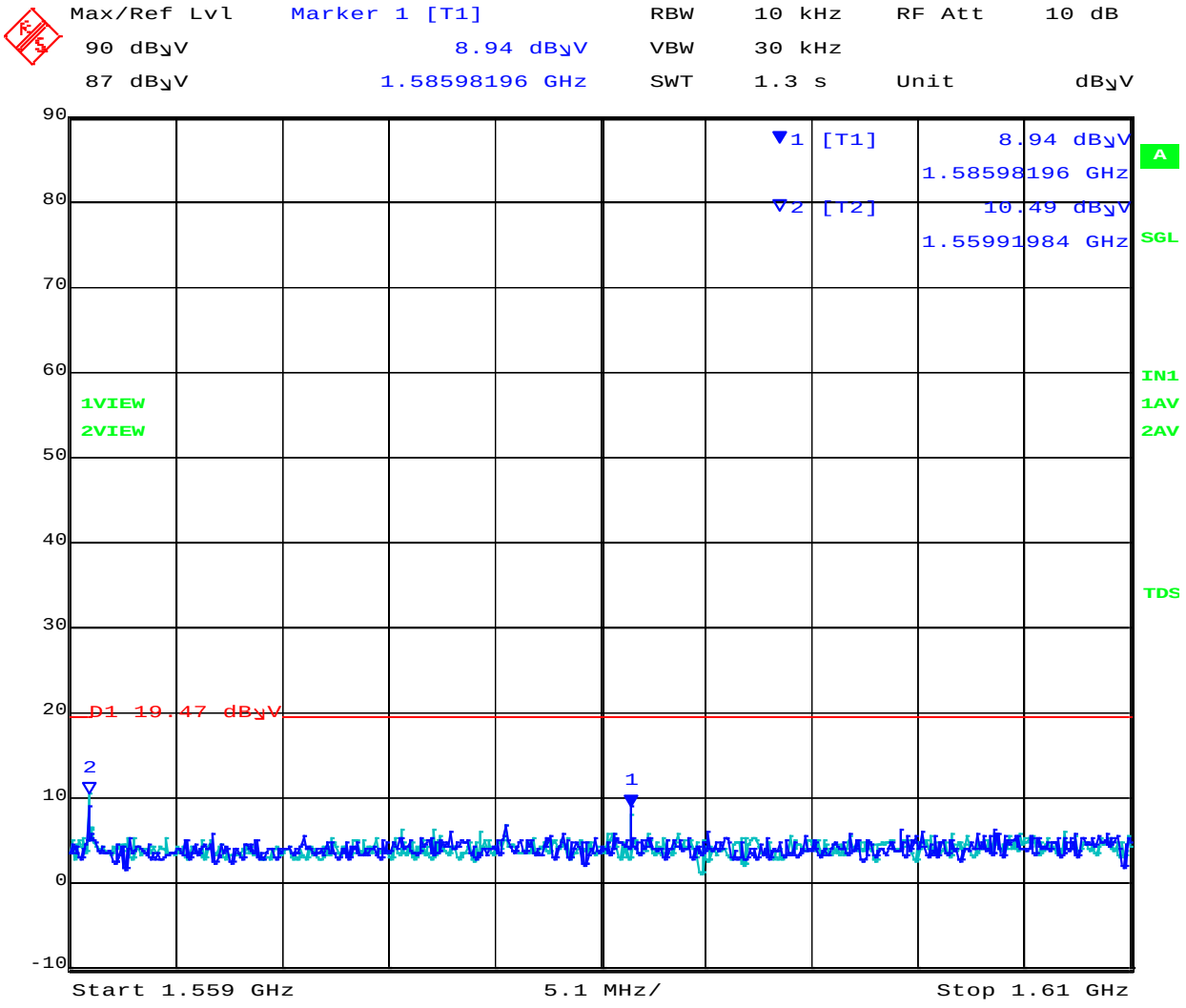


Date: 5.JUL.2022 13:07:56

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99



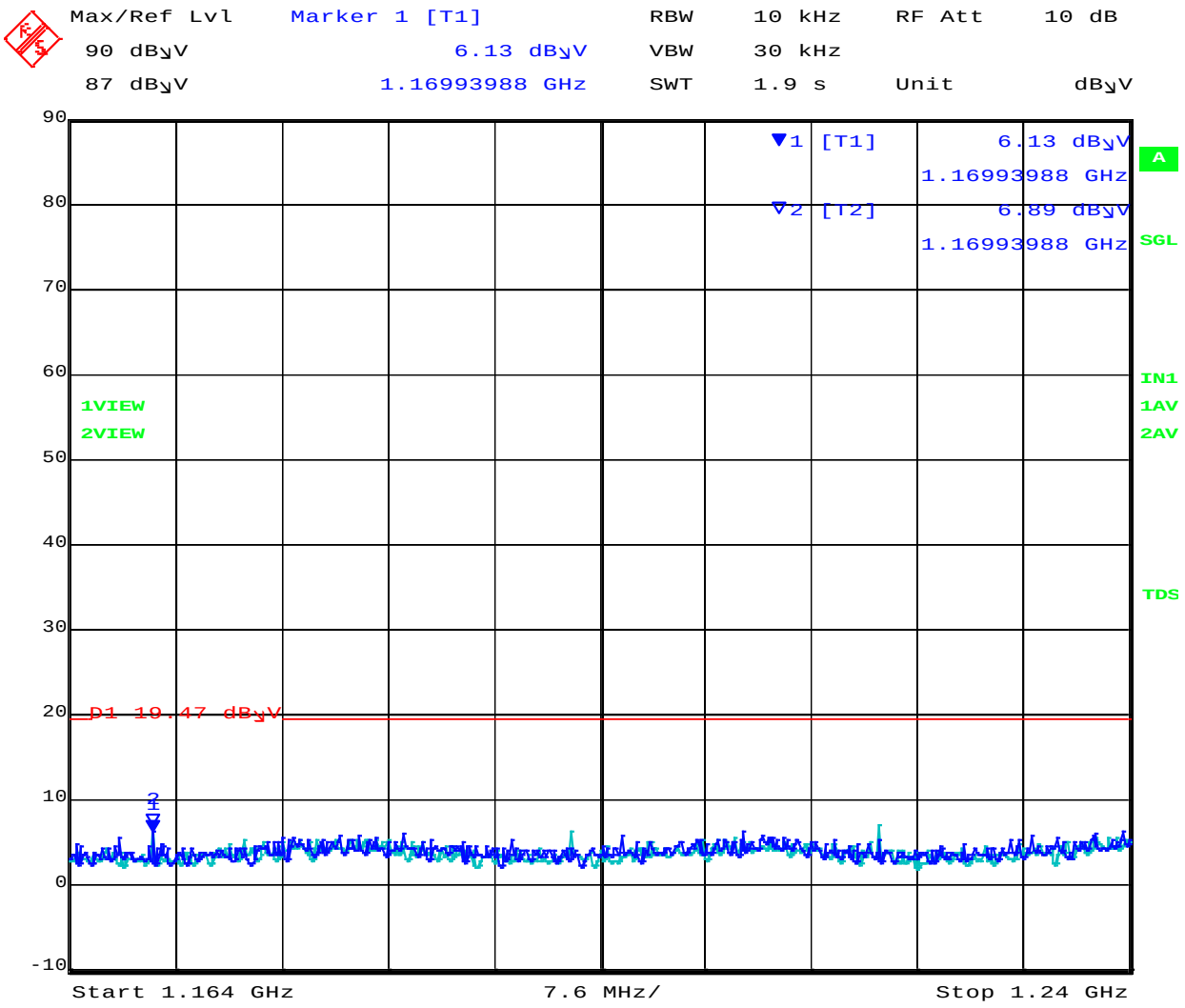
Date: 5.JUL.2022 13:23:16

Back to Matrix

A.2.3 Membrane Patch Antenna Band 3 & 6 GPS

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

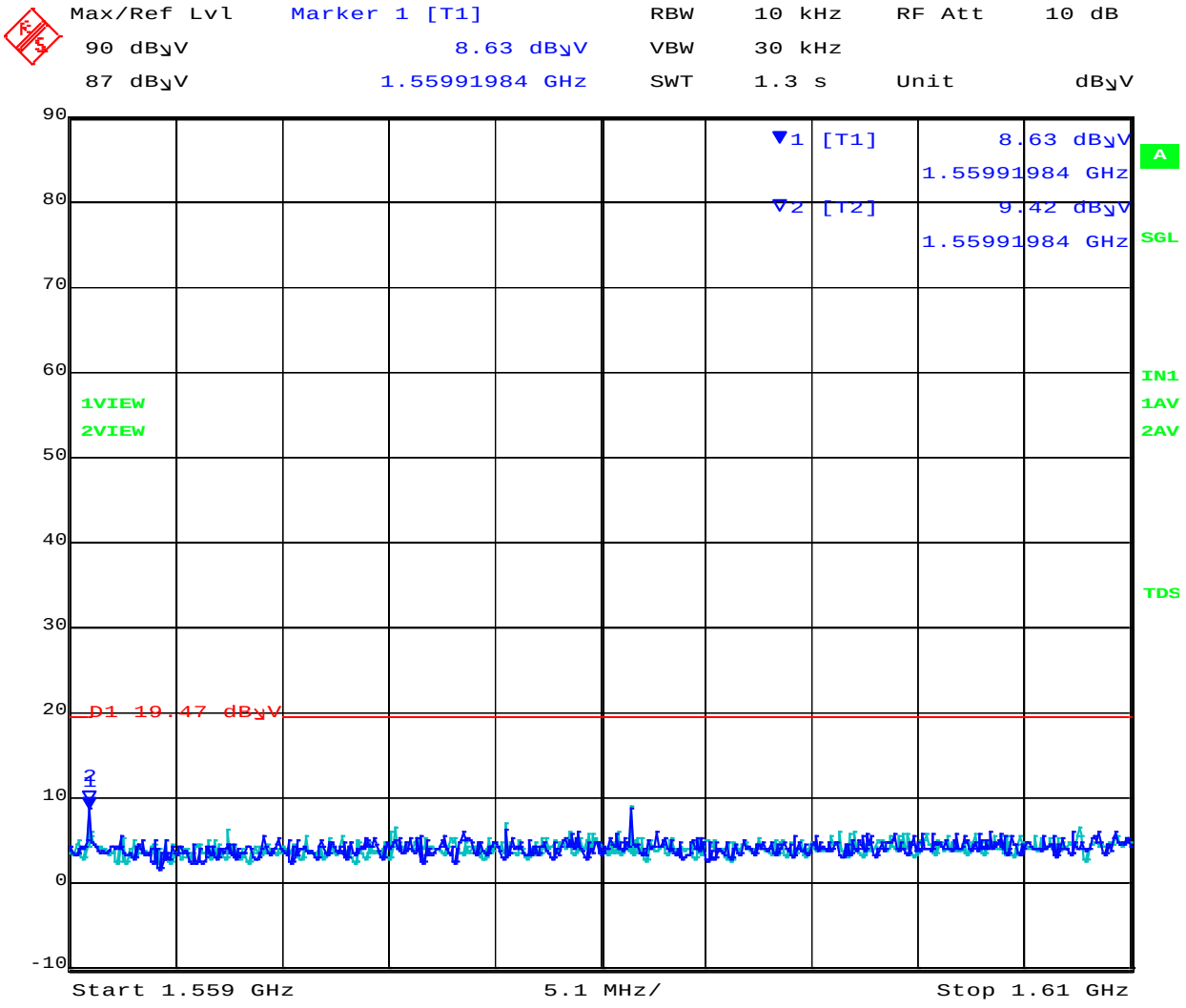


Date: 5.JUL.2022 13:08:43

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99



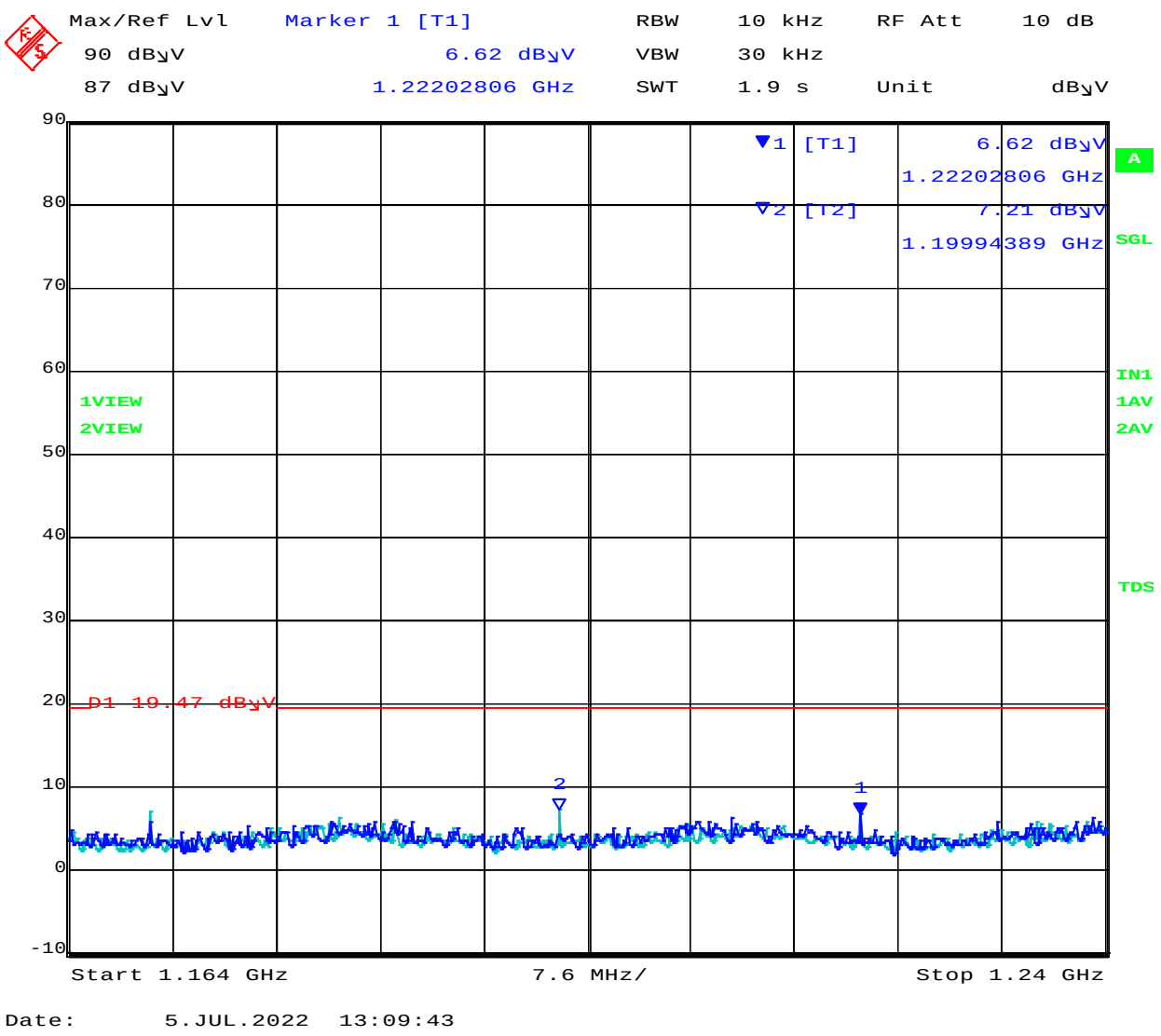
Date: 5.JUL.2022 13:17:32

Back to Matrix

A.2.4 Membrane Patch Antenna Band 6 GPS

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

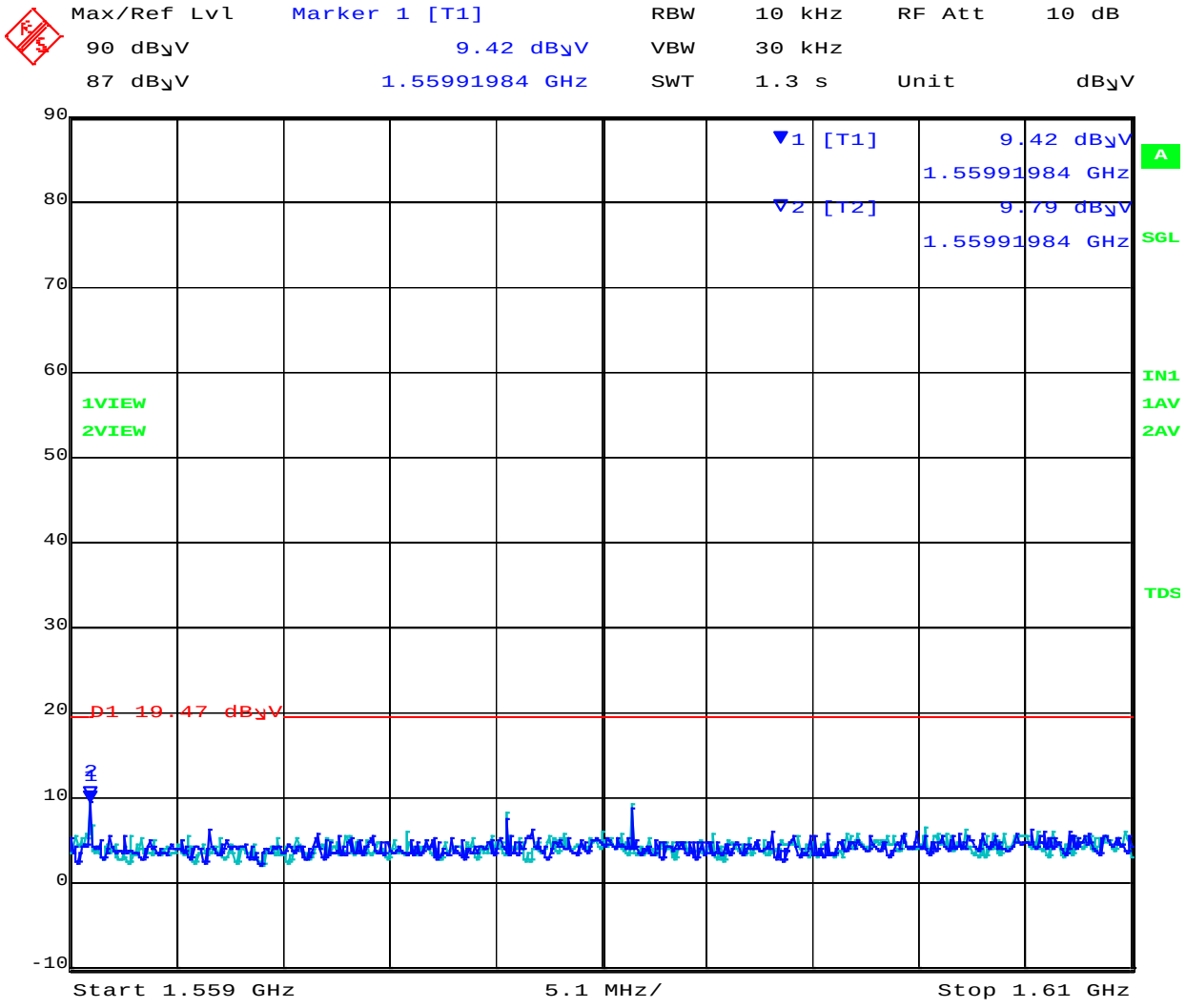
Dual Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

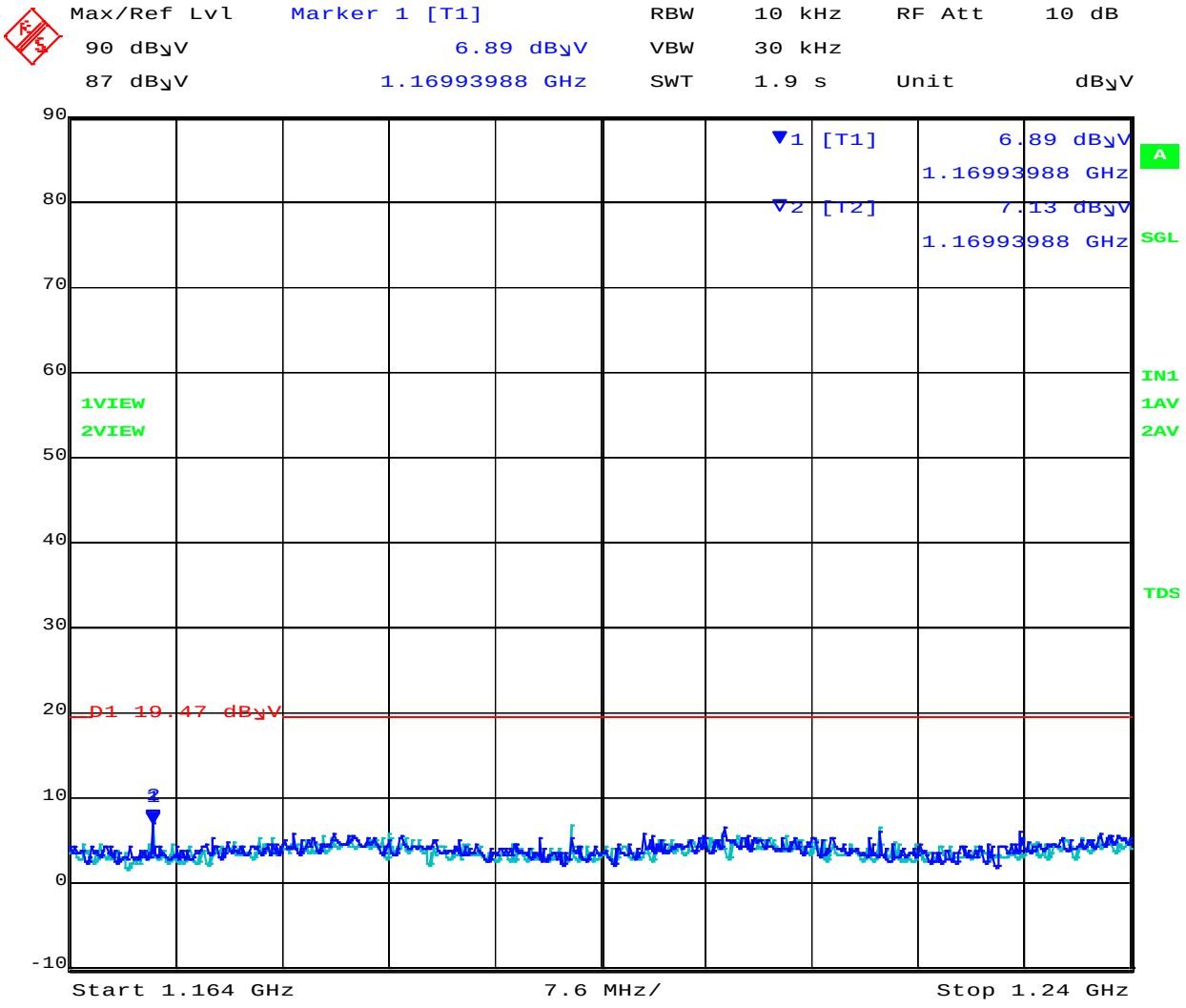


Date: 5.JUL.2022 13:15:08

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.164-1.240GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99

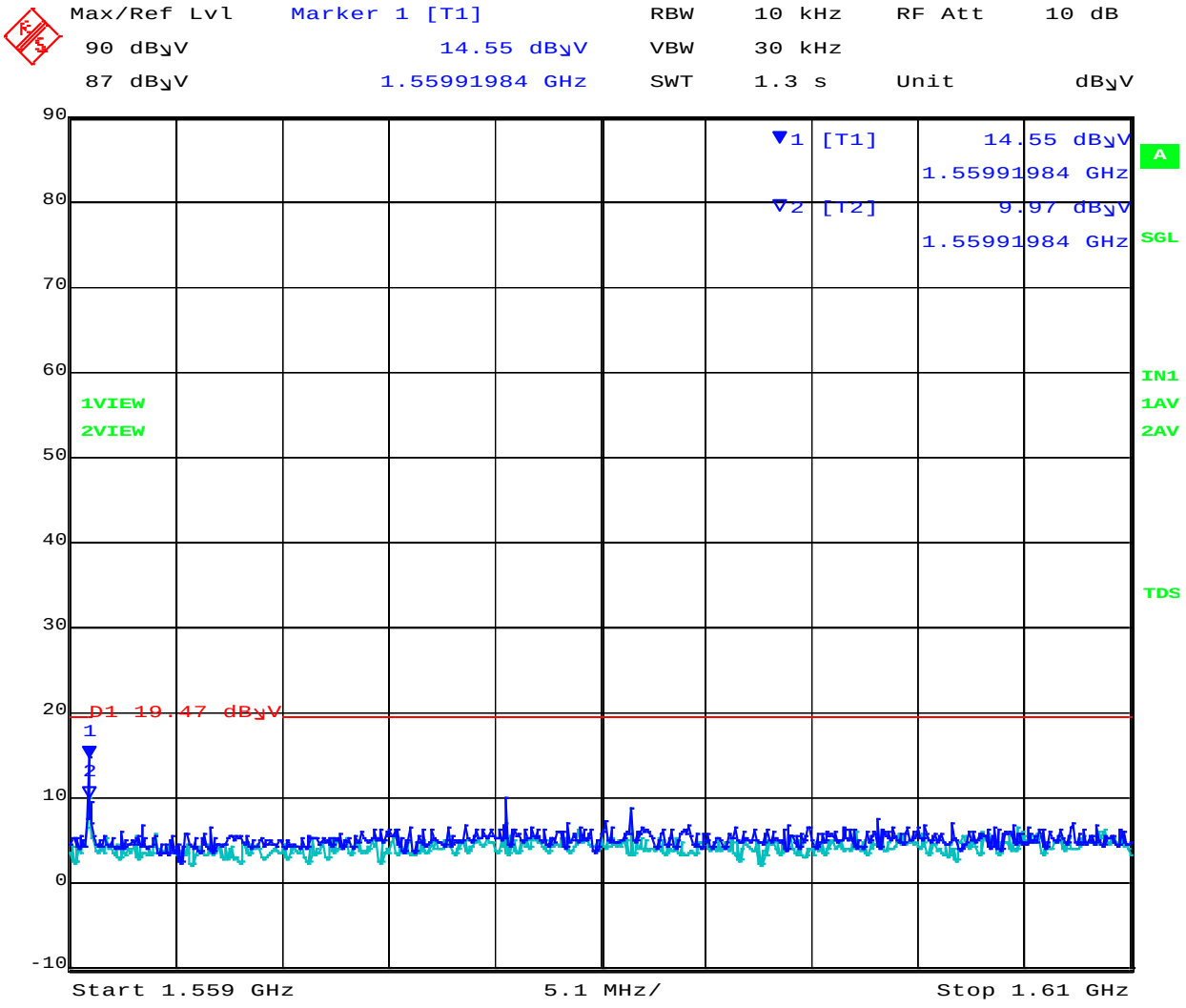


Date: 5.JUL.2022 13:10:38

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1.559-1.610GHz

Dual Patch, Power Setting: Max, Duty Cycle (%): 99



Date: 5.JUL.2022 13:12:11

Back to Matrix

A.2.5 Left Patch Antenna Band 1 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

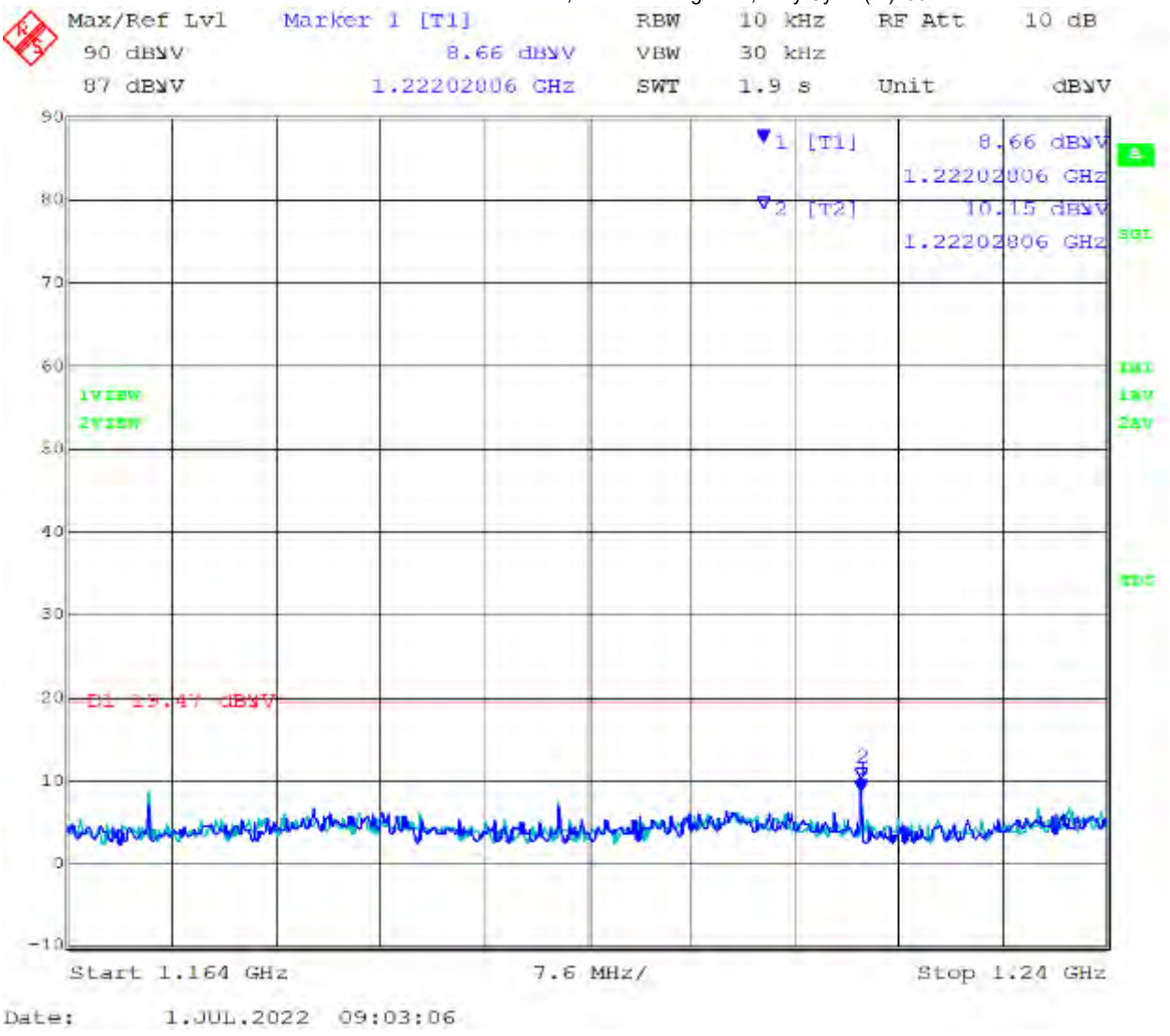
RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

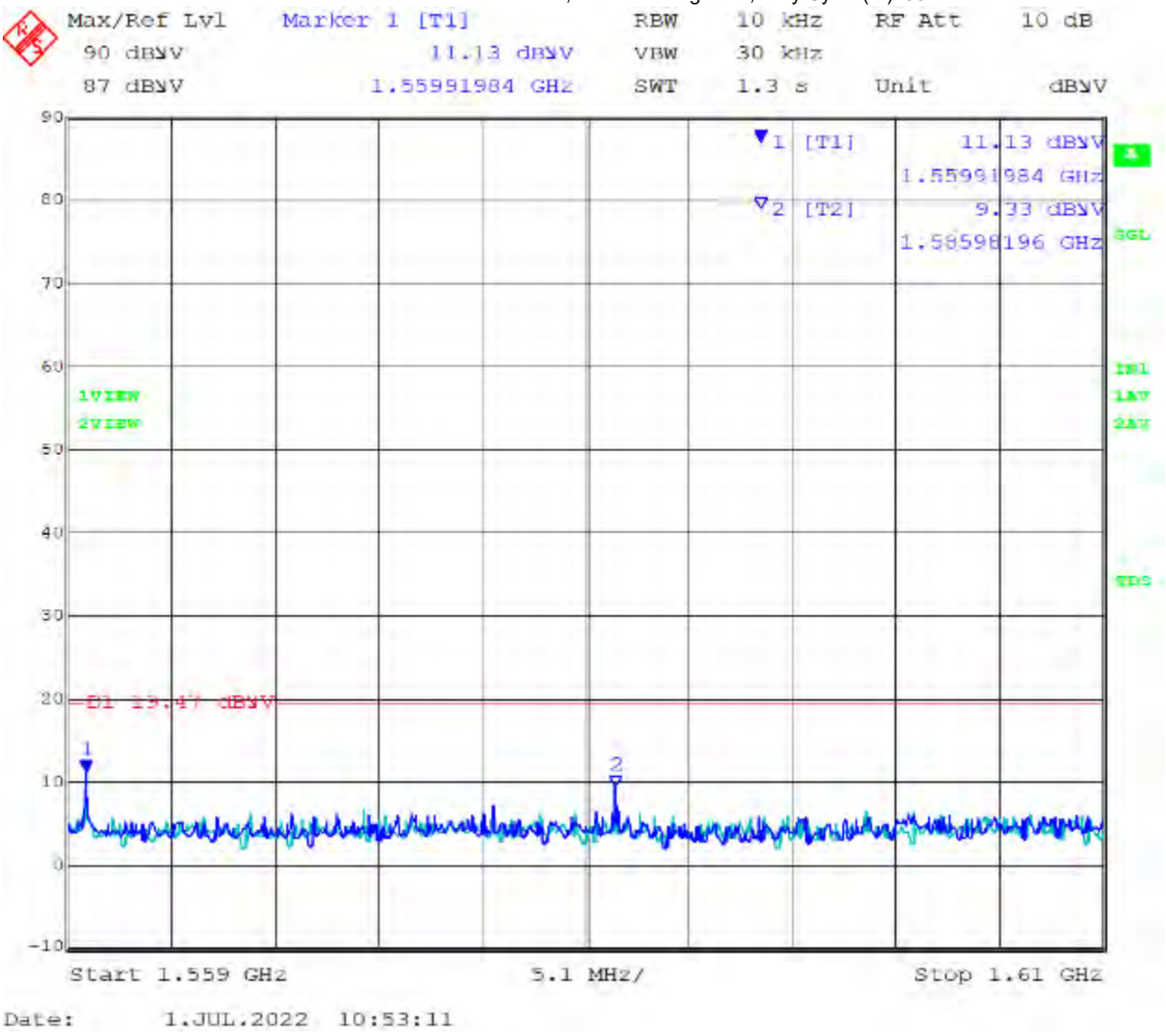
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

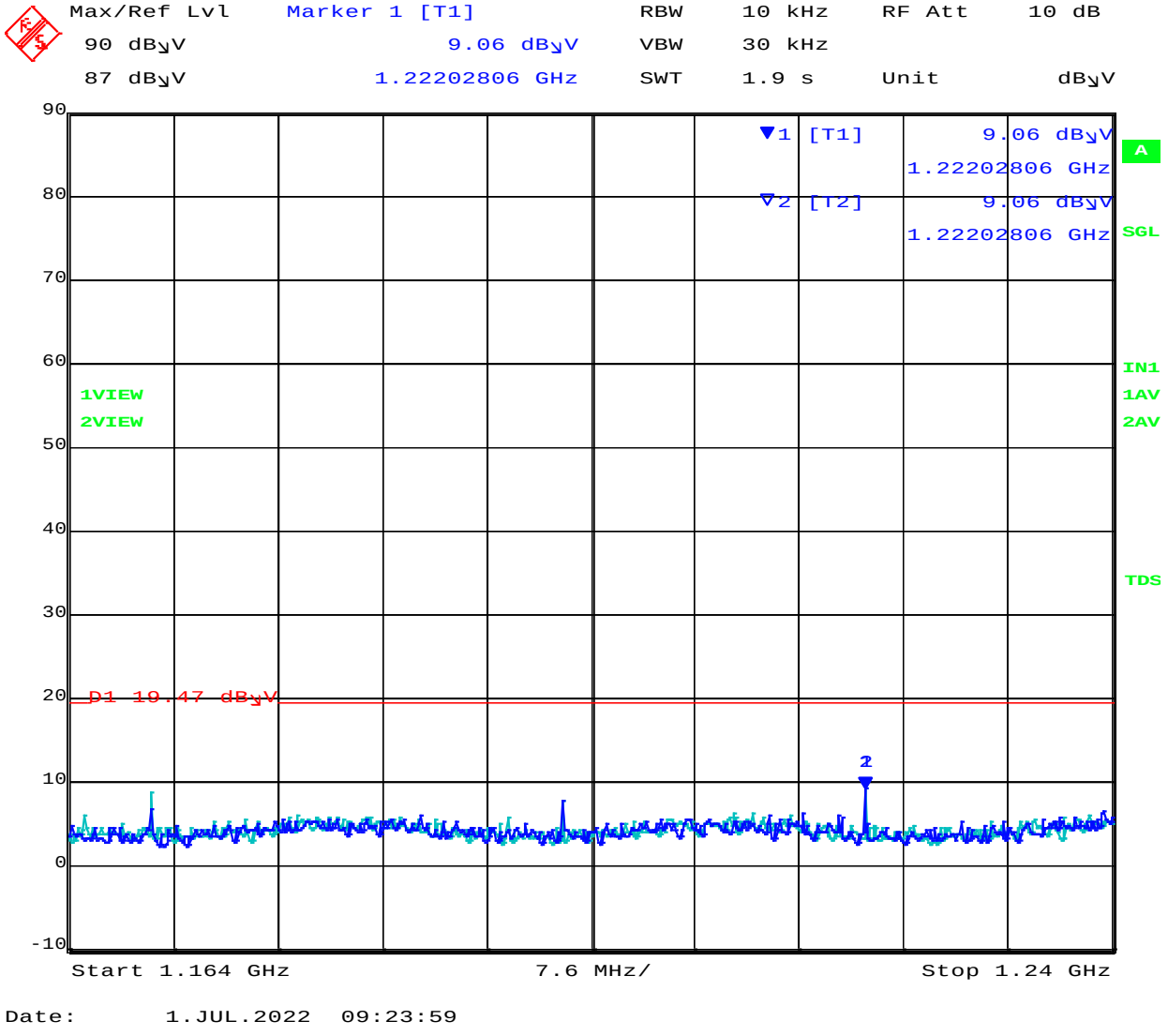


Back to Matrix

A.2.6 Left Patch Antenna Band 3 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

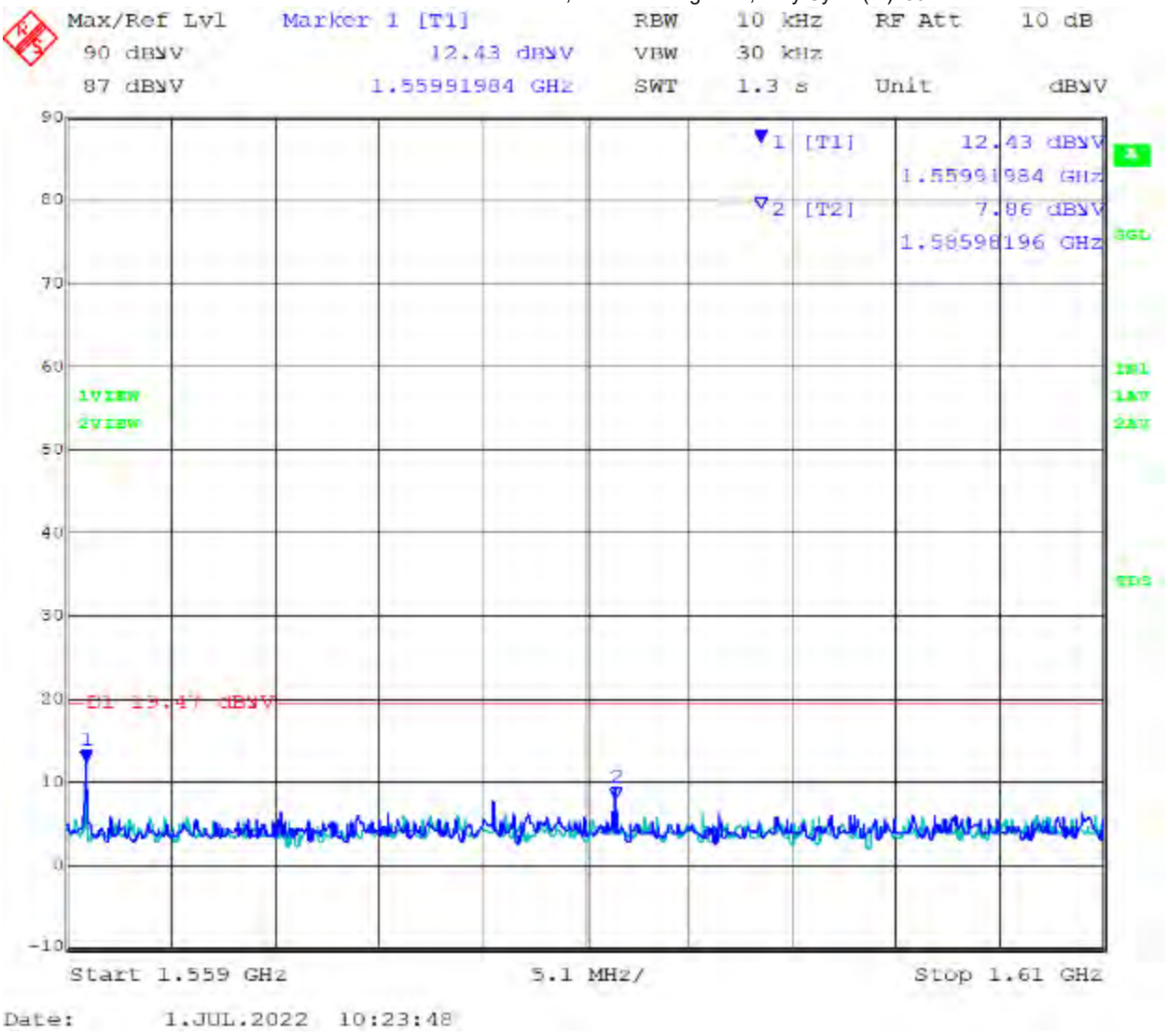
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

A.2.7 Left Patch Antenna Band 3 & 6 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

A.2.8 Left Patch Antenna Band 6 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

[Back to Matrix]

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

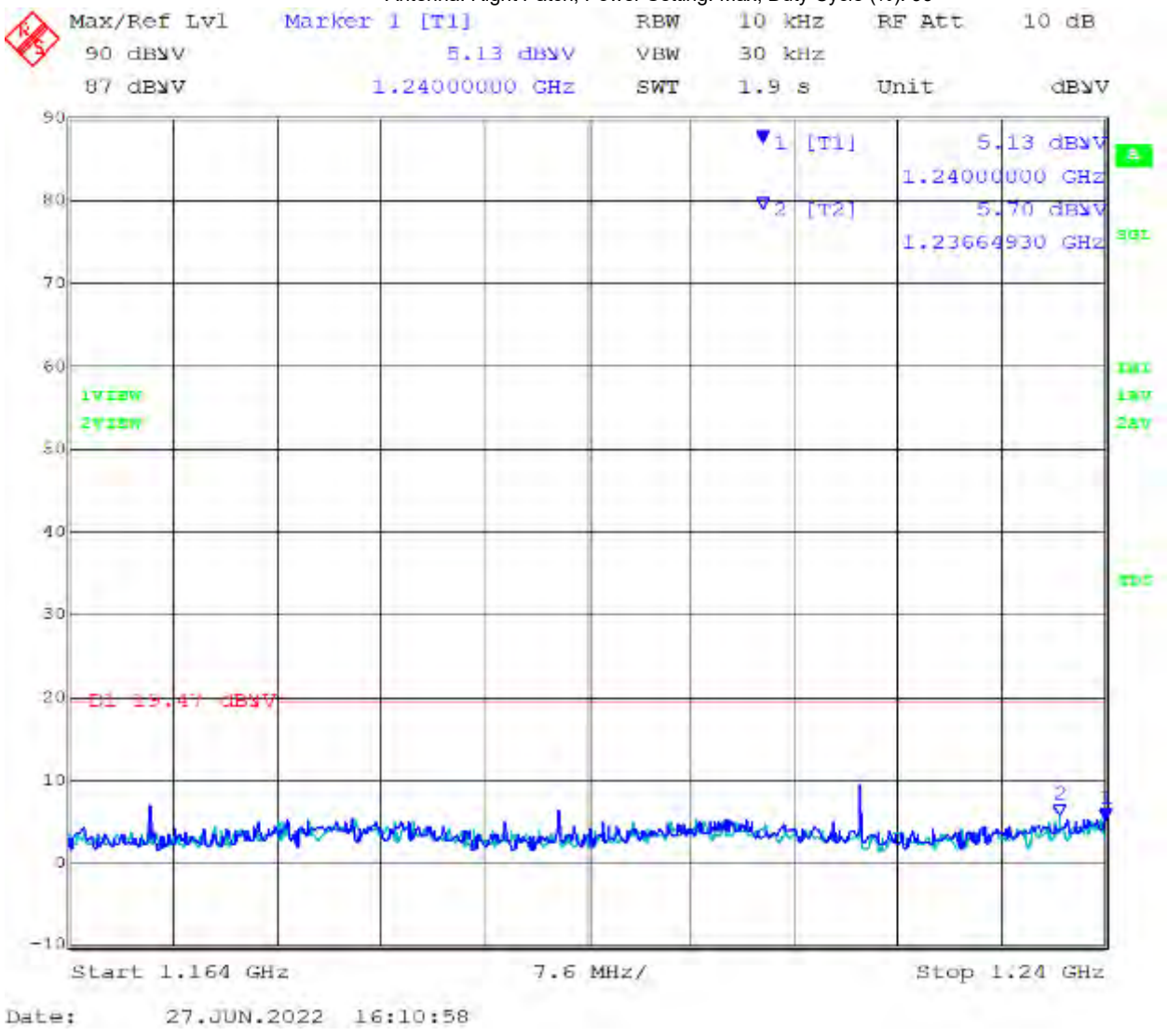
Antenna: Left Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

A.2.9 Right Patch Antenna Band 1 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

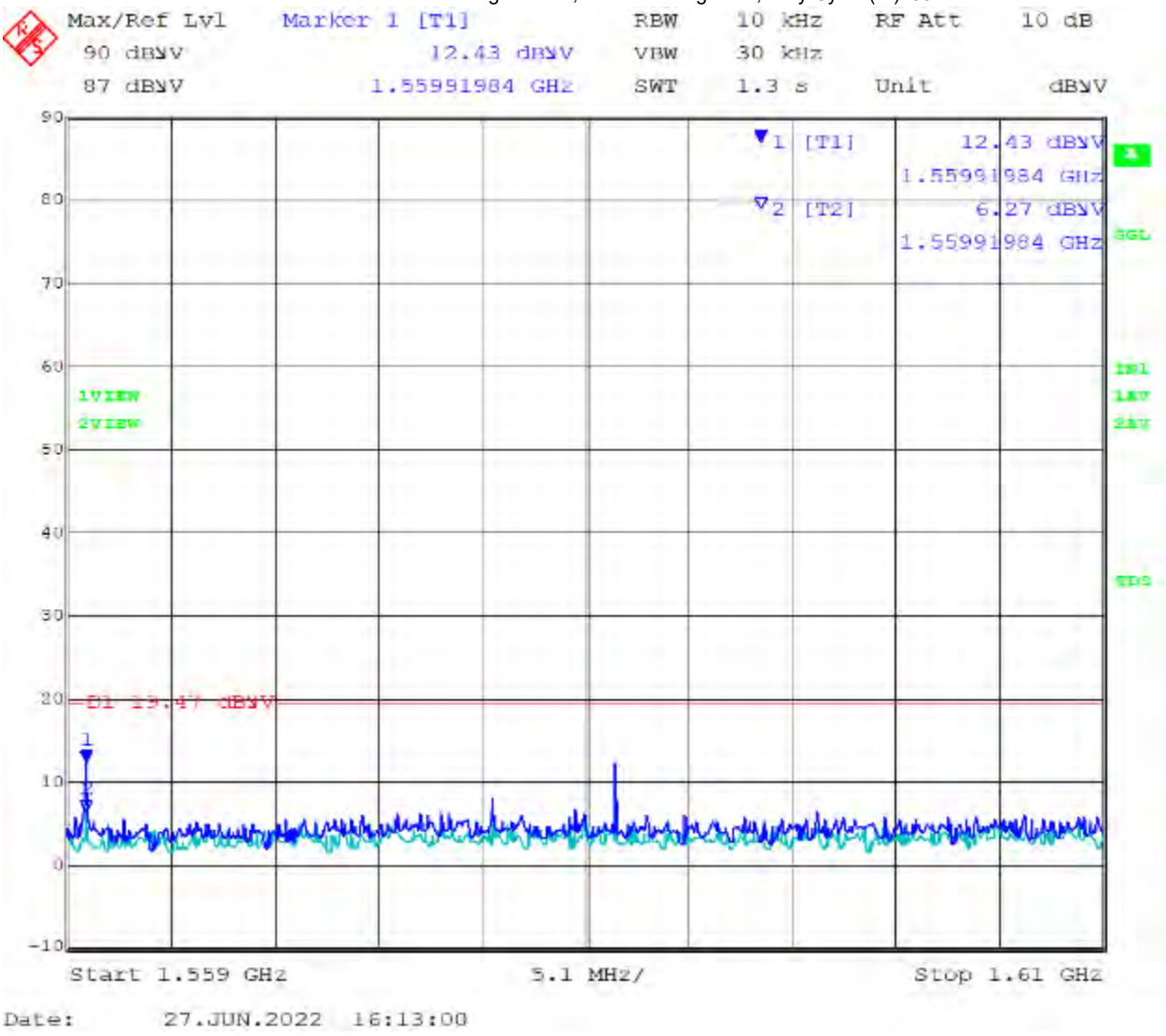
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

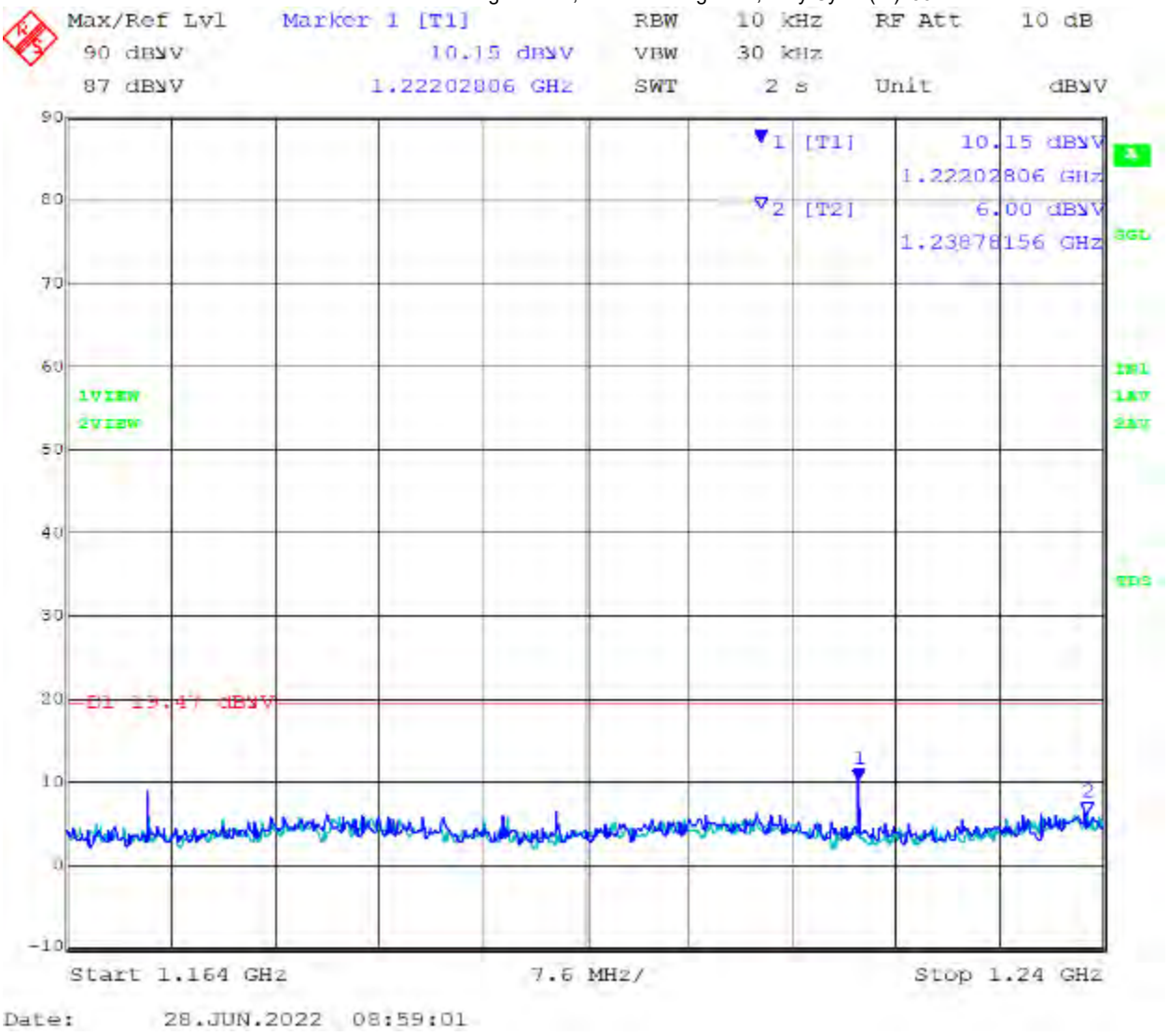
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

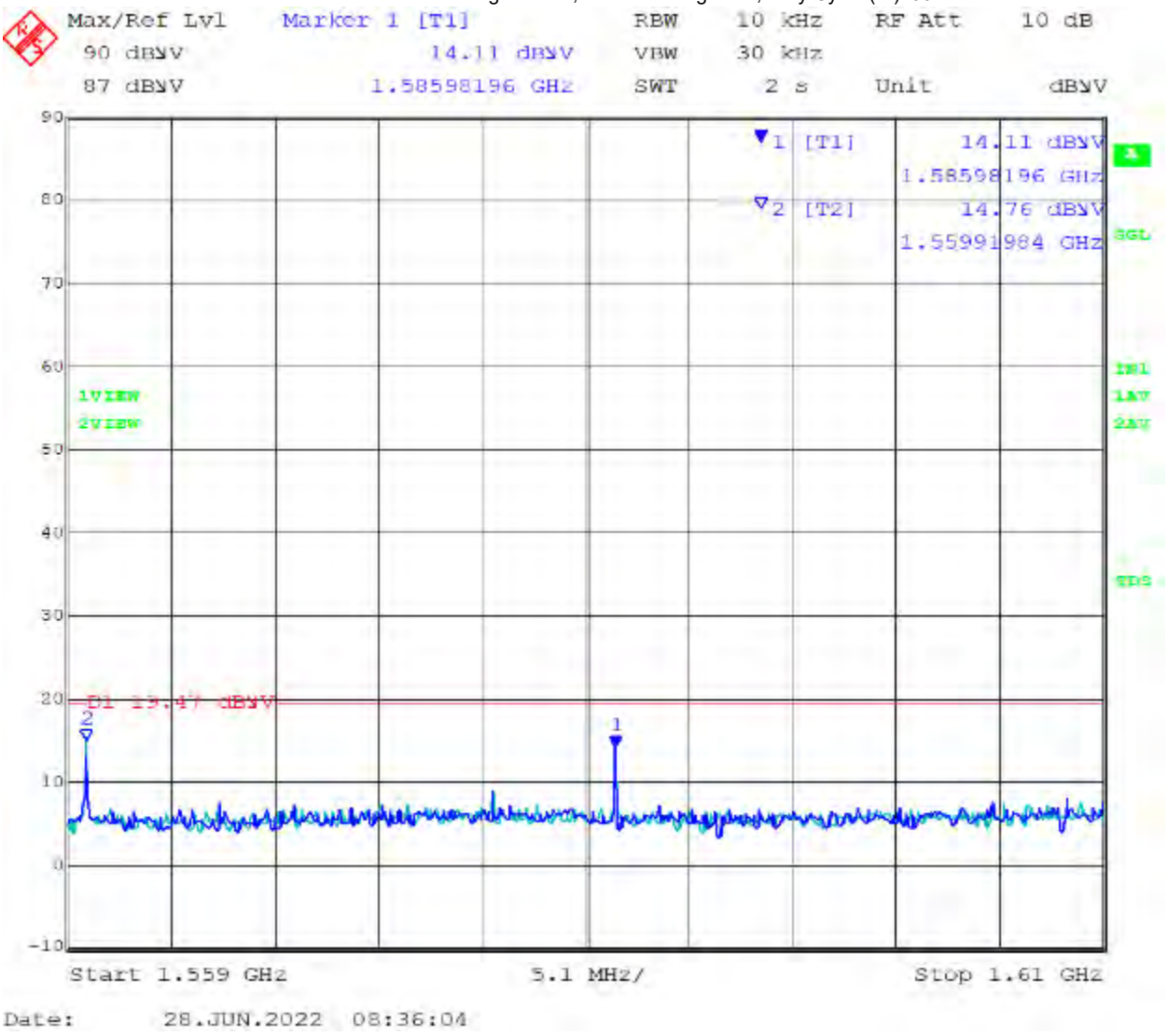
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

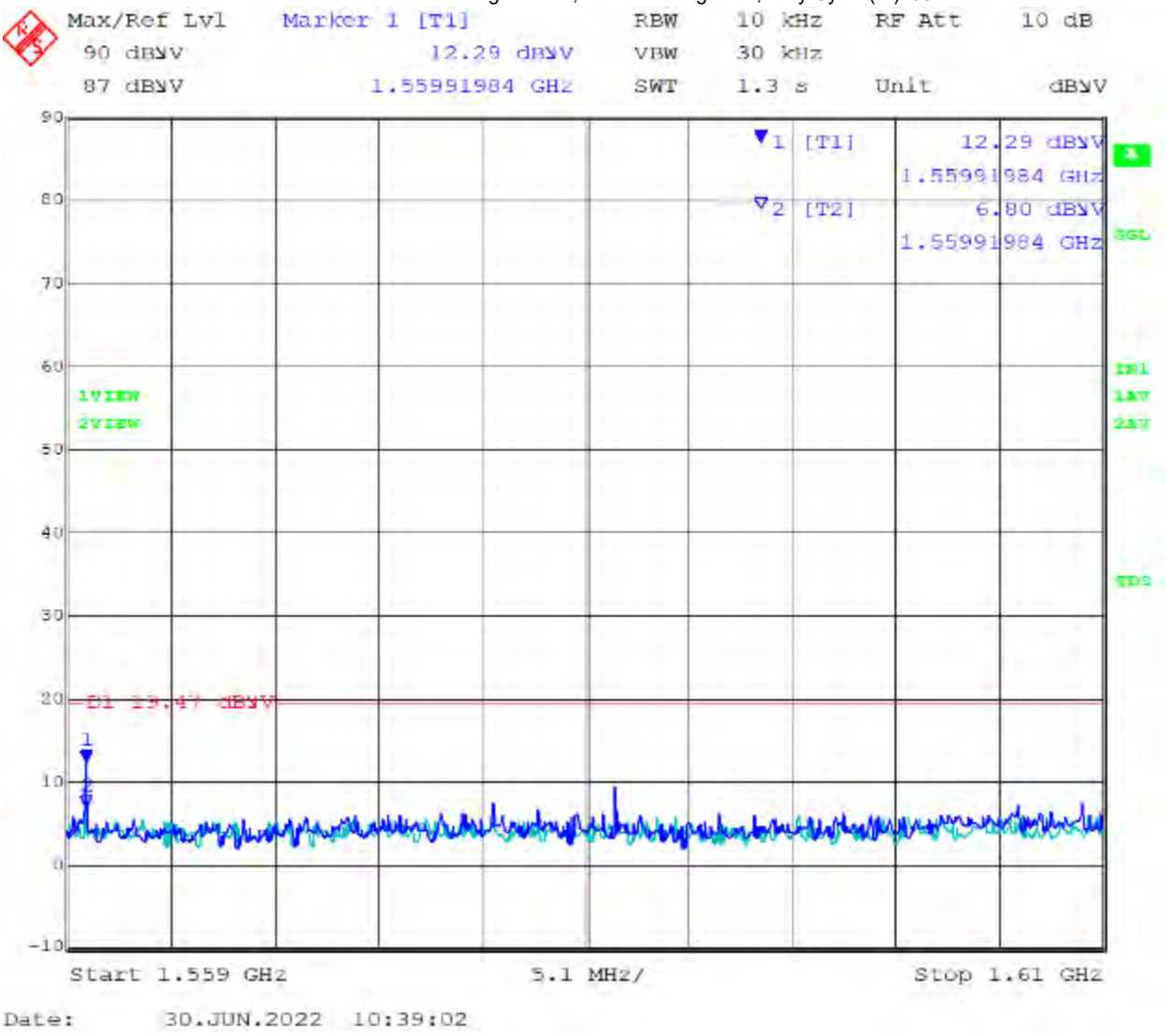
RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

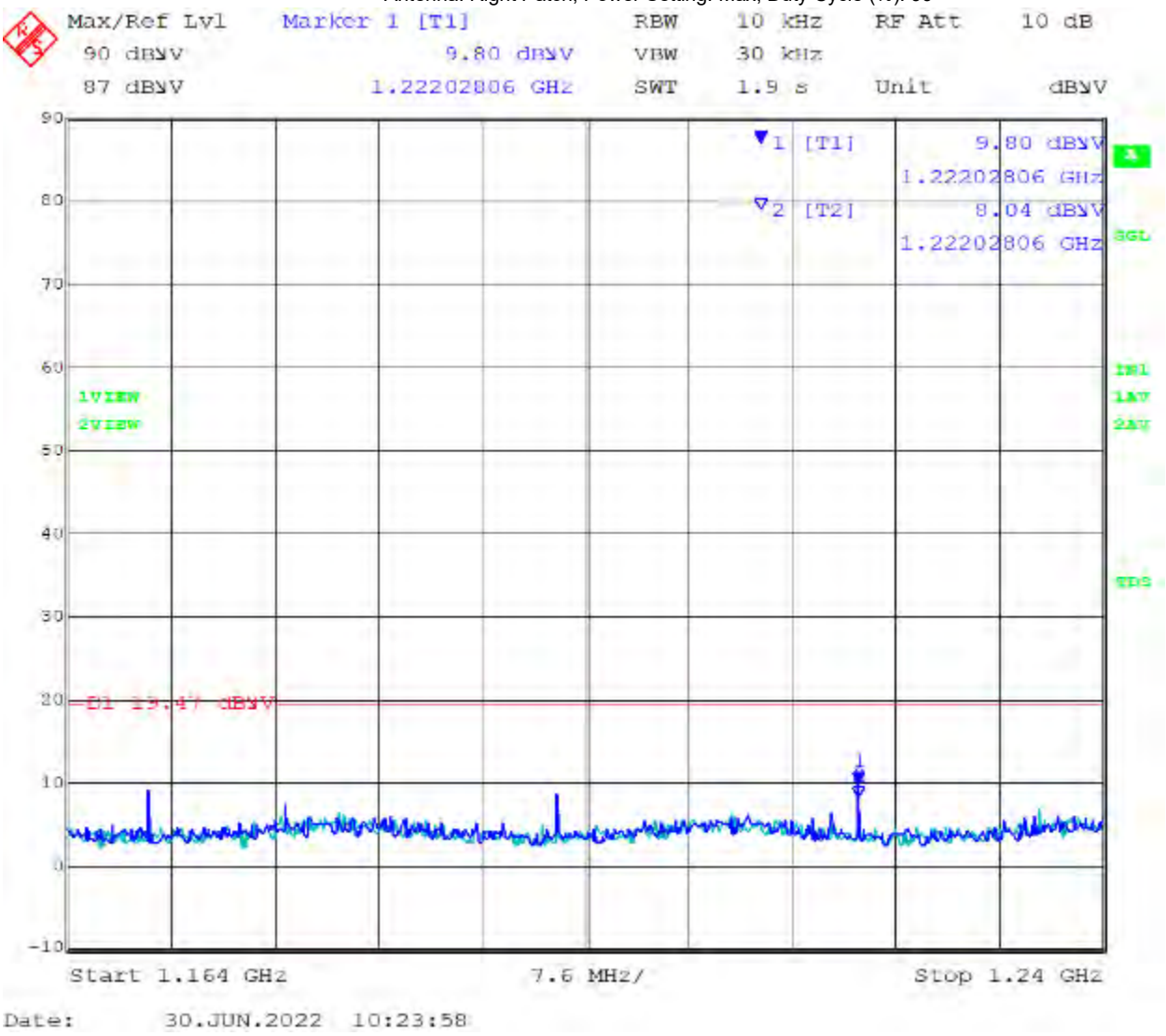


[Back to Matrix](#)

A.2.10 Right Patch Antenna Band 3 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

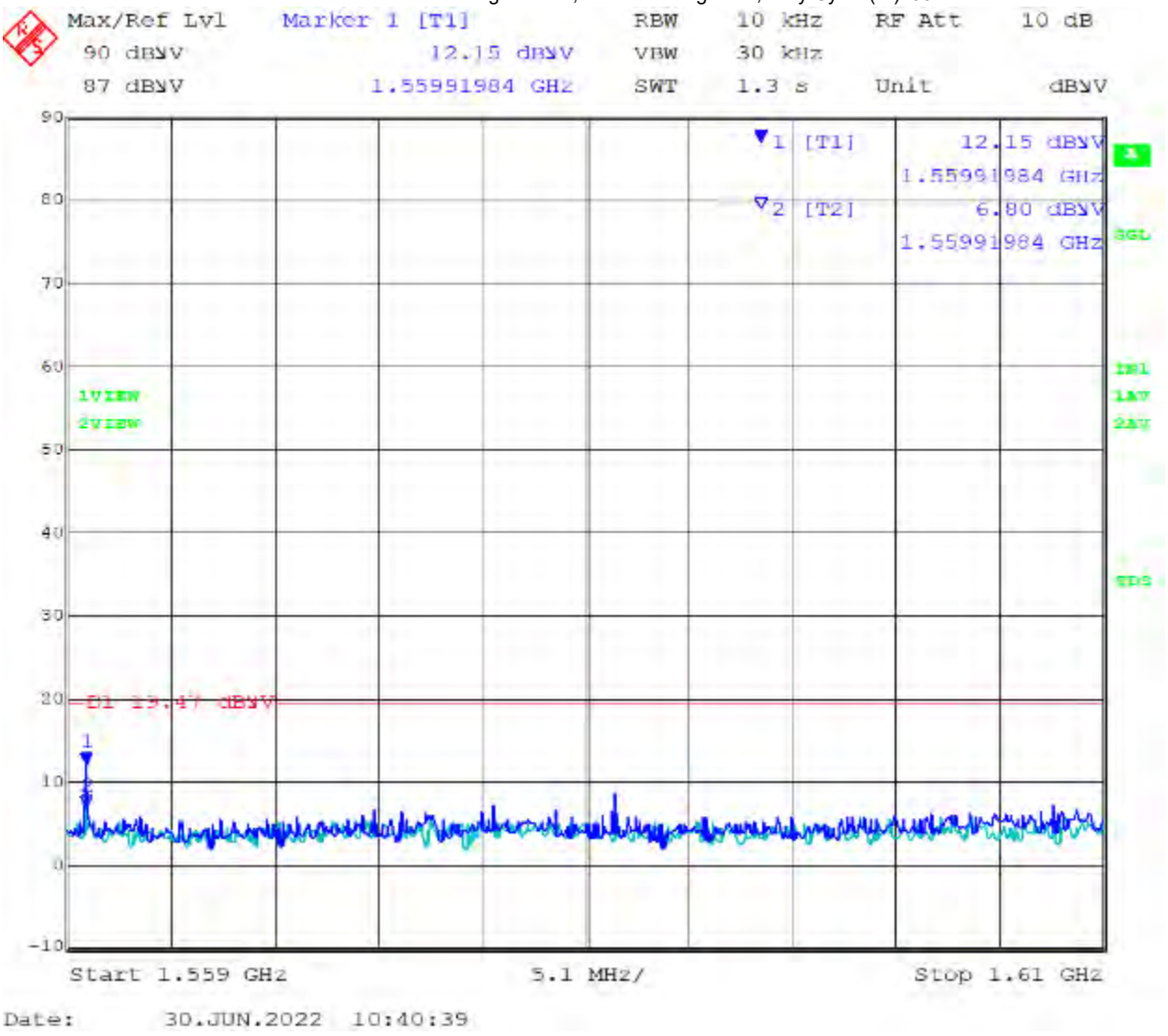
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

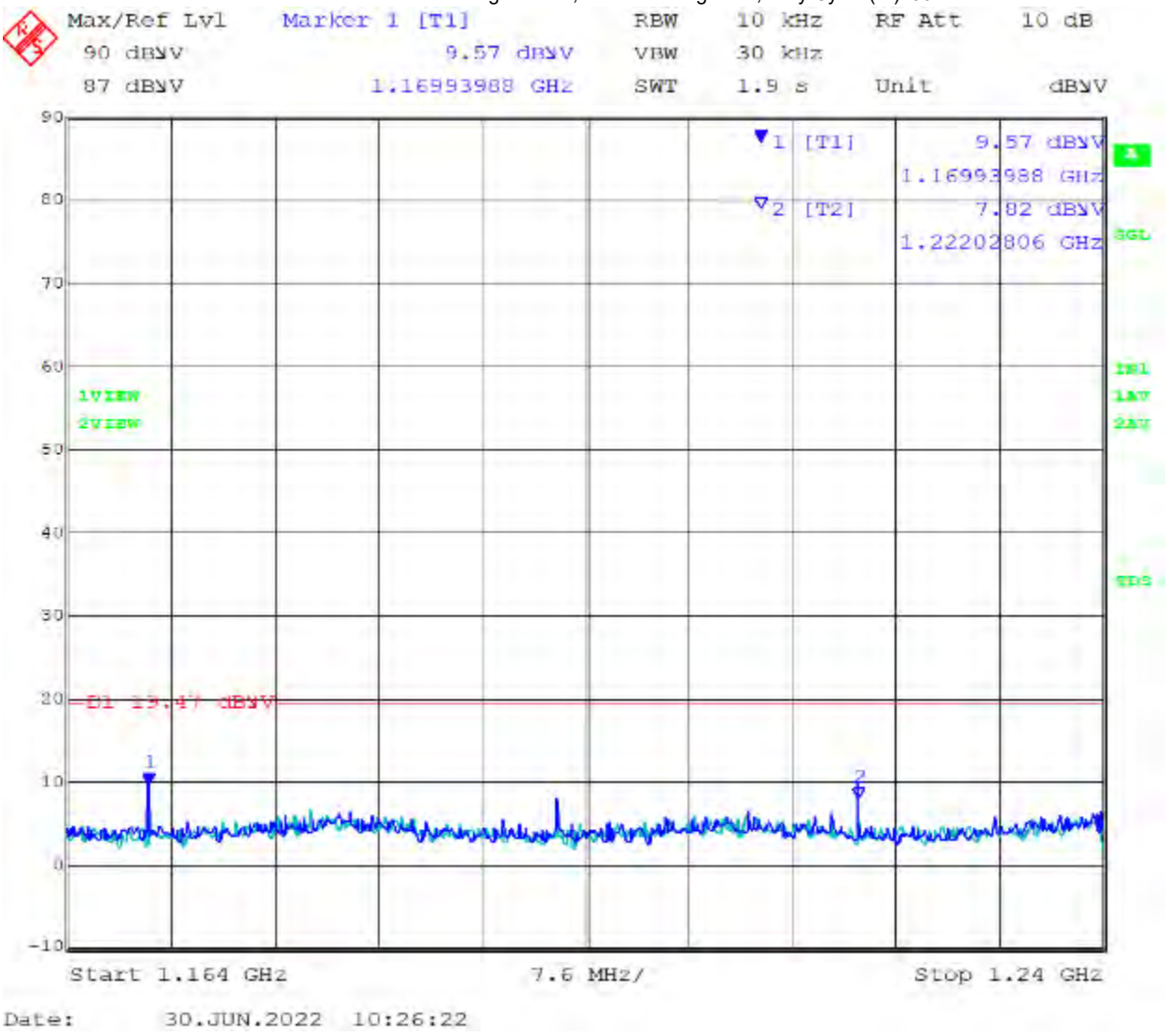
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

A.2.11 Right Patch Antenna Band 3 & 6 GPS

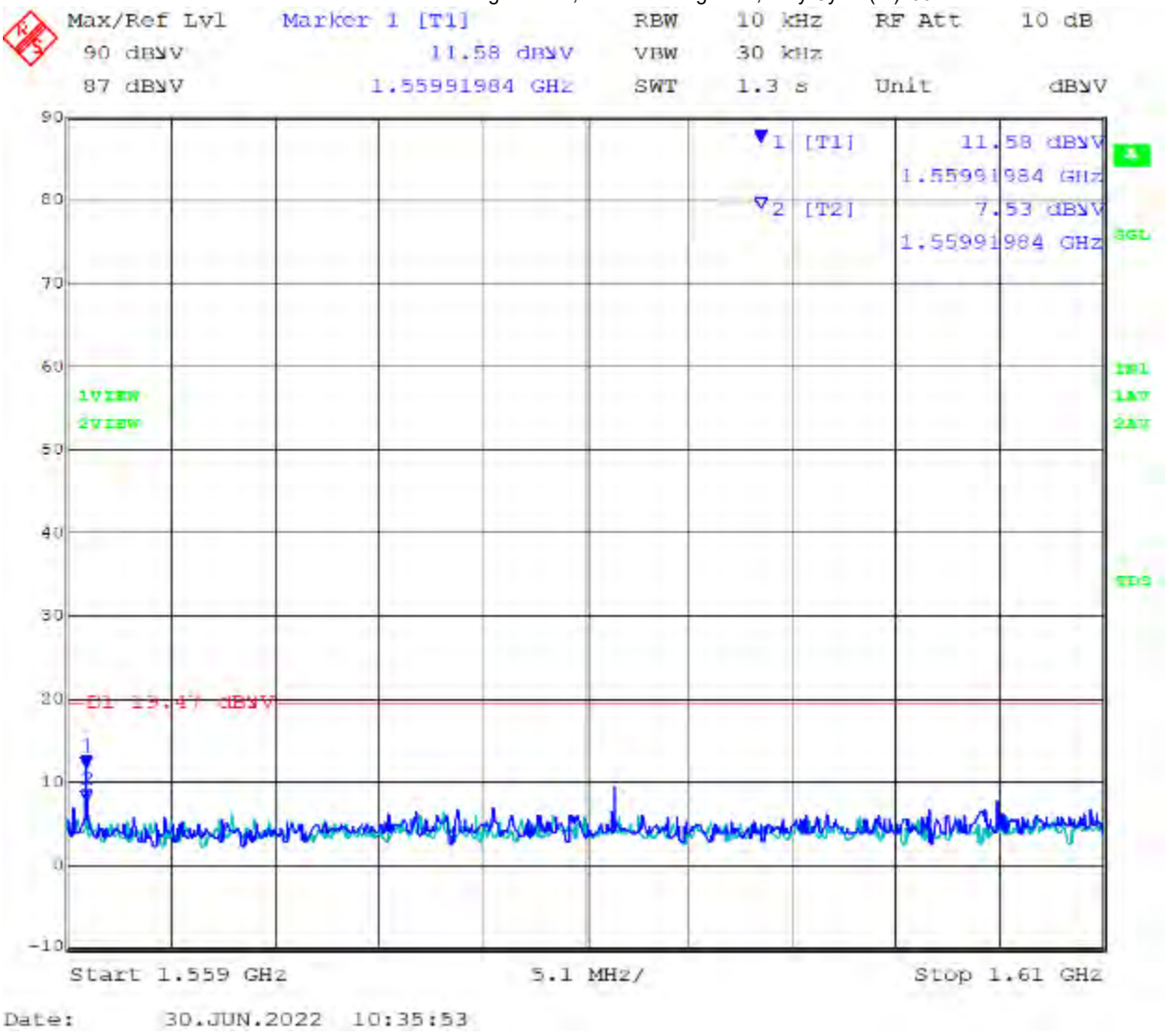
RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

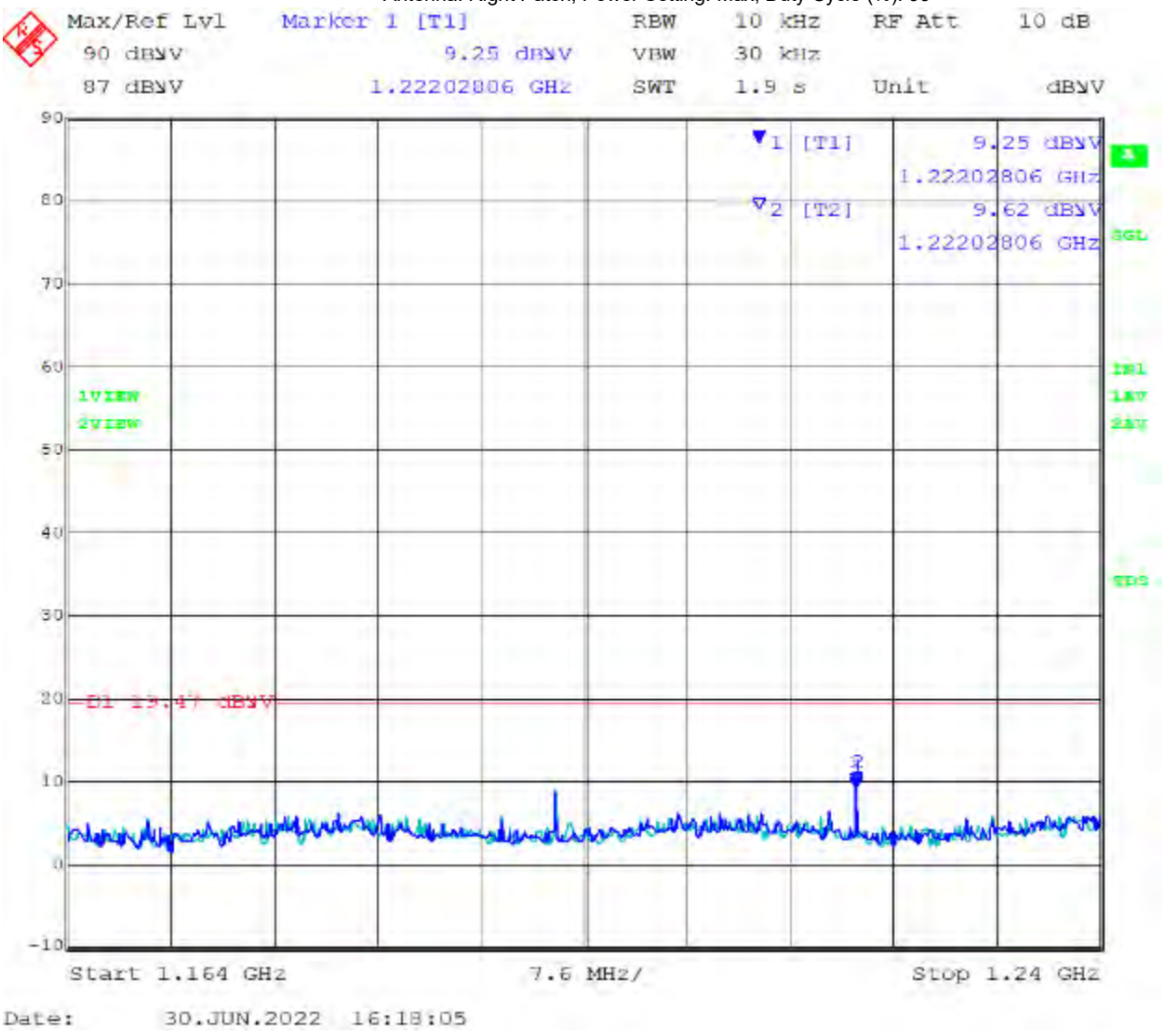


Back to Matrix

A.2.12 Right Patch Antenna Band 6 GPS

RADIATED SPURIOUS EMISSIONS 1164-1240MHz

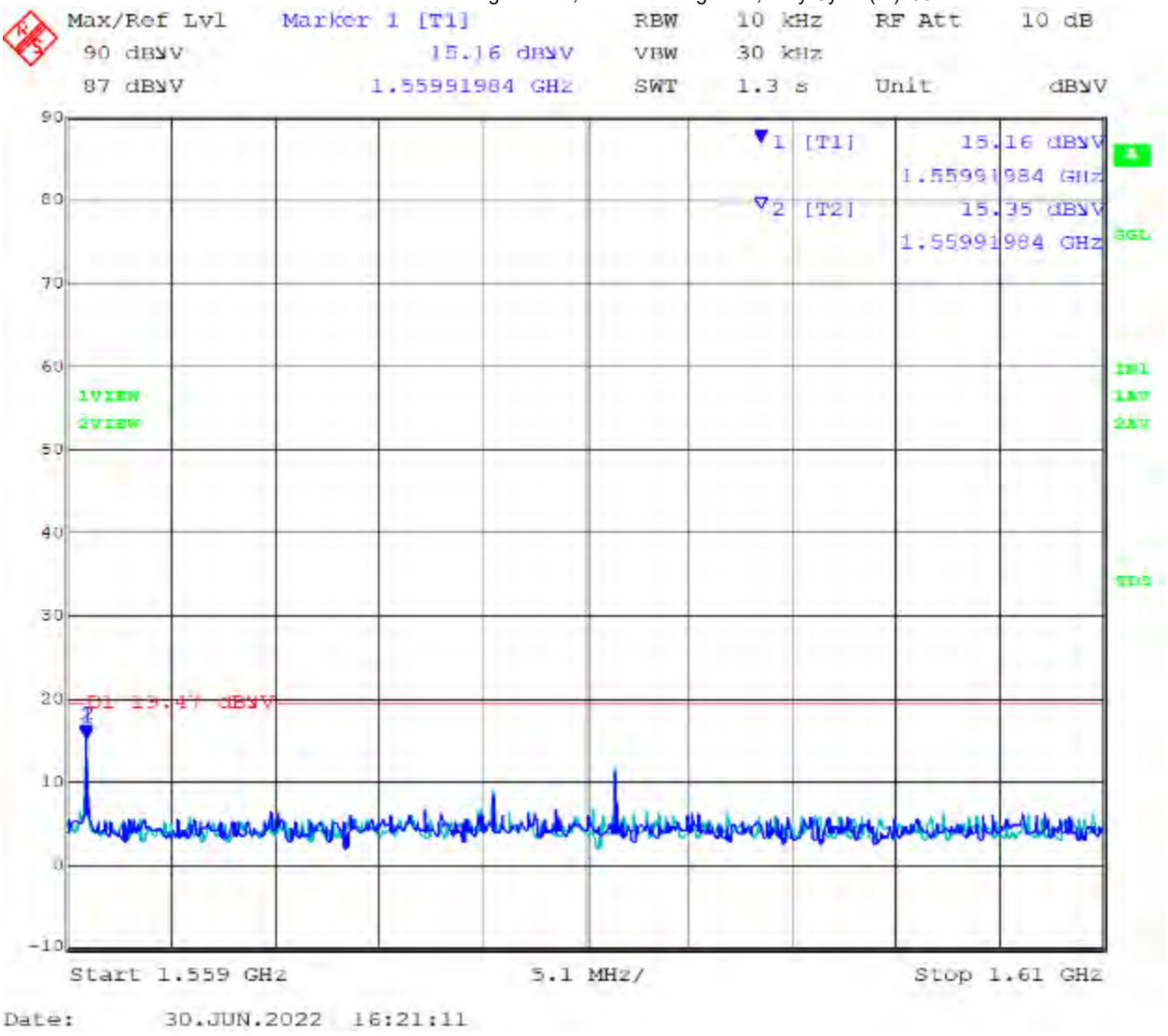
Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

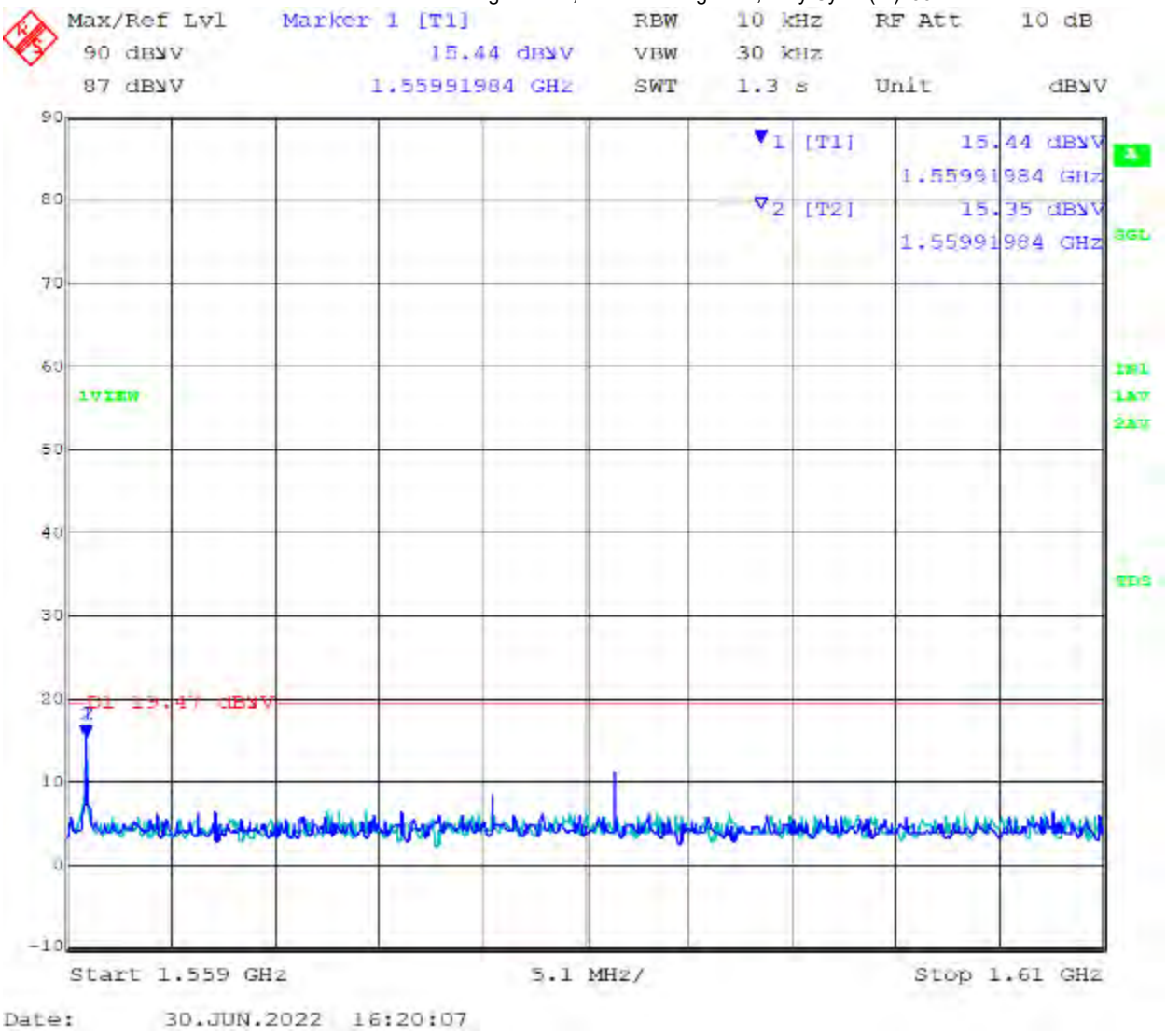
RADIATED SPURIOUS EMISSIONS 1164-1240MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99

Back to Matrix

RADIATED SPURIOUS EMISSIONS 1559-1610MHz

Antenna: Right Patch, Power Setting: Max, Duty Cycle (%): 99



Back to Matrix

575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com