FCC PART 15E
TEST REPORT
No.25T04Z100363-008

for

Luxshare Precision Limited

5G Mobile Phone

TMRV08P5G

FCC ID: 2BNRMTMRV08P5G

with

Hardware Version: v1.0

Software Version: TMRV08P5G_0.02.01

Issued Date: 2025-06-03

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: cttl_terminals@caict.ac.cn, website: www.caict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04Z100363-008	Rev.0	1st edition	2025-06-03

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. Testing Location

Location 1:CTTL(Gaolizhang Road)

Address: Cuihu Cloud Center, No.1, Gaolizhang Road, Wenquan, Haidian District, Beijing, China

Radiated testing Location: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China100191

1.3. Testing Environment

Normal Temperature: 15-35°C

Relative Humidity: 20-75%

1.4. Project date

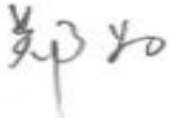
Testing Start Date: 2025-03-31

Testing End Date: 2025-04-23

Signature

Dong Jiaxuan

(Prepared this test report)



Zheng Wei

(Reviewed this test report)

Pang Shuai

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	Luxshare Precision Limited
Address:	Suite 1621, 16/F., Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon.
Contact:	Ri Sa
Email:	Rui.Sha@luxshare-ict.com
Telephone:	+8613917939276
Fax:	/

2.2. Manufacturer Information

Company Name:	Luxshare Precision Limited
Address:	Suite 1621, 16/F., Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon.
Contact:	Ri Sa
Email:	Rui.Sha@luxshare-ict.com
Telephone:	+8613917939276
Fax:	/

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	5G Mobile Phone
Model name	TMRV08P5G
FCC ID	2BNRMTMRV08P5G
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Nominal Voltage	3.87V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT27a	861370070001529/ 861370070001537	V1.0	TMRV08P5G_0.02.01	2025-03-28
UT84a	861370070020602/ 861370070020610	V1.0	TMRV08P5G_0.02.01	2025-03-28

*EUT ID: is used to identify the test sample in the lab internally.

UT27a is used for Conduction test, UT84a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Note	Manufacturer
AE1	Battery	TM002	Jiade Energy Technology(Zhuhai) Co,.Ltd.
AE2	Charger	/	/
AE3	USB cable	HX-WT-58	WASHIN

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment under Test (EUT) is a model of 5G Mobile Phone with integrated antenna and inbuilt battery.

It consists of normal options: travel charger, USB cable.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

3.5. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor k=2.

Measurement Uncertainty

Parameter	Uncertainty
temperature	0.48°C
humidity	2 %
DC voltages	0.003V

4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

FCC Part15	Title 47 of the Code of Federal Regulations; Chapter I Part 15, Subpart E - Radio frequency devices	2021
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2013
UNII: KDB 789033 D02	General U-NII Test Procedures New Rules v02r01	2017-12

Note: UNII: KDB 789033 D02 is not in the scope of ISO/IEC 17025 accreditation by A2LA.

5. Laboratory Environment

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. Test Results

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15E	Sub-clause of IC	Verdict
Maximum Output Power	15.407	/	**P**
Peak Power Spectral Density	15.407	/	**P**
Occupied 26dB Bandwidth	15.403	/	**P**
Band edge compliance (Radiated)	15.209	/	**P**
Transmitter spurious emissions (Radiated)	15.407	/	**P**
AC Powerline Conducted Emission (150kHz- 30MHz)	15.407	/	**P**
99% Occupied bandwidth	/	/	**P**
Transmit Power Control	15.407	/	**NA**

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NM	Not measured, The test was not measured by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	26°C
Voltage	3.87V
Humidity	44%

7. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	1 year	2025-08-11
2	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2025-04-30
3	LISN	ENV216	101200	R&S	2 years	2026-04-01
4	Test Receiver	ESCI	100344	R&S	2 years	2026-05-16
5	Attenuator	10dB/2W	/	Rosenberger	/	/
6	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESW44	103023	R&S	1 year	2025-06-06
2	EMI Antenna	VULB 9163	01222	SCHWARZBECK	1 year	2025-09-11
3	EMI Antenna	3115	00167250	ETS-Lindgren	2 years	2026-04-11
4	EMI Antenna	3116	2663	ETS-Lindgren	1 year	2026-03-03

Test software information(HL)		
Test Item	**Software**	**Manufacturer**
AC Powerline Conducted Emission	EMC32 V8.53.0	R&S
Radiated Unwanted Emission	EMC32 V11.50.00	R&S

8. Measurement Uncertainty

8.1 Transmitter Output Power

Measurement Uncertainty: 0.387dB,k=1.96

8.2 Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

8.3 26dB Emission Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4 Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5 Spurious Emissions

Conducted (k=1.96)

Frequency Range	Uncertainty(dB)
30MHz ≤ f ≤ 2GHz	1.22
2GHz ≤ f ≤3.6GHz	1.22
3.6GHz ≤ f ≤8GHz	1.22
8GHz ≤ f ≤12.75GHz	1.51
12.75GHz ≤ f ≤26GHz	1.51
26GHz ≤ f ≤40GHz	1.59

Radiated (k=2)

Frequency Range	Uncertainty(dB)
9kHz-30MHz	/
30MHz ≤ f ≤ 1GHz	4.72
1GHz ≤ f ≤18GHz	4.84
18GHz ≤ f ≤40GHz	5.12

8.6 AC Power-line Conducted Emission

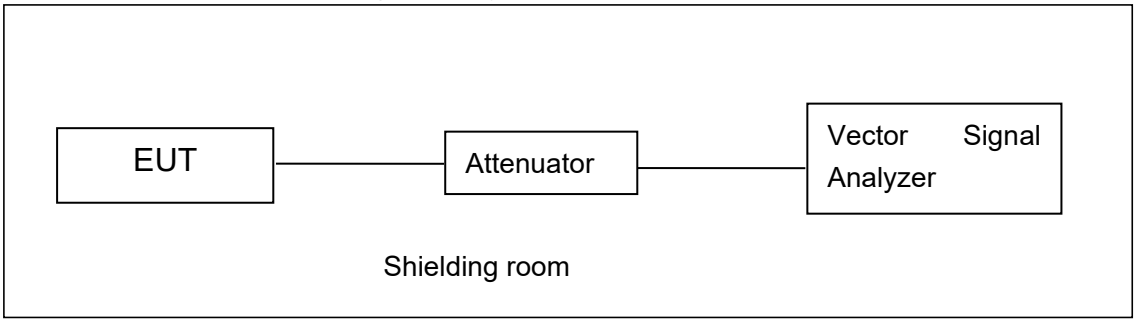
Measurement Uncertainty : 3.08,k=2

ANNEX A: Detailed Test Results

A.1. Measurement Method

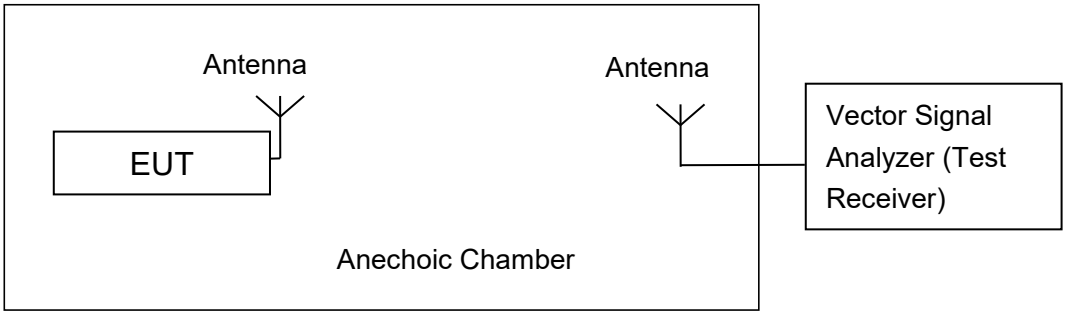
A.1.1. Conducted Measurements

1). Connect the EUT to the test system correctly.
2). Set the EUT to the required work mode.
3). Set the EUT to the required channel.
4). Set the spectrum analyzer to start measurement.
5). Record the values. Vector Signal Analyzer



A.1.2. Radiated Emission Measurements

In the case of radiated emission, the used settings are as follows,
Sweep frequency from 30 MHz to 1GHz, RBW = 100 kHz, VBW = 300 kHz;
Sweep frequency from 1 GHz to 26GHz, RBW = 1MHz, VBW = 10Hz;



The measurement is made according to KDB 789033
The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.

A.2. Maximum output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	Limit (dBm)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	24dBm
	5250MHz~5350MHz	24dBm or 11+10logB
	5470MHz~5725MHz	24dBm or 11+10logB

Limit use the less value, and B is the 26dB bandwidth.

The measurementmethod SA-2 is made according to KDB 789033

A.2.1 Antenna Gain

Antenna gain is -7.81dBi/-9.75dBi(Ant7/Ant9) and the value is supplied by the applicant or manufacturer.

A.2.2 Maximum output Power-Conducted

EUT ID: UT27a

Measurement Results:

802.11a mode

Mode	Frequency	Test Result (dBm)	
		Ant7	Ant9
802.11a	5180MHz	19.89	17.75
	5200MHz	19.68	17.39
	5240MHz	19.71	17.57
	5260MHz	19.53	17.14
	5280MHz	19.57	17.21
	5320MHz	19.48	17.40
	5500MHz	19.75	17.14
	5580MHz	19.78	17.52
	5700MHz	19.50	17.53
	5720MHz	19.60	17.43

802.11n-HT20 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11n (HT20)	5180MHz	17.77	17.22	20.51
	5200MHz	17.67	16.99	20.35
	5240MHz	17.77	17.28	20.54
	5260MHz	17.56	16.77	20.19
	5280MHz	17.53	16.89	20.23
	5320MHz	17.37	17.05	20.22
	5500MHz	17.68	16.76	20.25
	5580MHz	17.59	17.10	20.36
	5700MHz	17.46	17.11	20.30
	5720MHz	17.57	17.01	20.31

802.11ac-VHT20 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ac (VHT20)	5180MHz	17.64	17.02	20.35
	5200MHz	17.54	16.77	20.18
	5240MHz	17.66	17.21	20.45
	5260MHz	17.44	16.62	20.06
	5280MHz	17.46	16.81	20.16
	5320MHz	17.25	16.91	20.09
	5500MHz	17.58	16.65	20.15
	5580MHz	17.52	16.98	20.27
	5700MHz	17.39	16.98	20.20
	5720MHz	17.47	16.93	20.22

802.11n-HT40 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11n (HT40)	5190MHz	17.91	17.18	20.57
	5230MHz	18.19	17.29	20.77
	5270MHz	17.94	16.94	20.48
	5310MHz	17.70	17.19	20.46
	5510MHz	17.99	17.10	20.58
	5550MHz	17.97	17.42	20.71
	5670MHz	17.85	17.26	20.58
	5710MHz	17.71	17.33	20.53

802.11ac-VHT40 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ac (VHT40)	5190MHz	17.87	17.15	20.54
	5230MHz	18.14	17.23	20.72
	5270MHz	17.88	16.89	20.42
	5310MHz	17.66	17.13	20.41
	5510MHz	17.97	17.08	20.56
	5550MHz	17.92	17.39	20.67
	5670MHz	17.84	17.27	20.57
	5710MHz	17.71	17.33	20.53

802.11ac-VHT80 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ac (VHT80)	5210MHz	16.03	14.75	18.45
	5290MHz	15.68	14.73	18.24
	5530MHz	15.84	14.66	18.30
	5610MHz	17.57	16.72	20.18
	5690MHz	17.41	16.64	20.05

802.11ax-HE20 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ax (HE20)	5180MHz	17.89	17.25	20.59
	5200MHz	17.75	16.98	20.39
	5240MHz	17.89	17.39	20.66
	5260MHz	17.64	16.90	20.30
	5280MHz	17.64	17.04	20.36
	5320MHz	17.63	17.36	20.51
	5500MHz	17.79	16.96	20.41
	5580MHz	17.69	17.21	20.47
	5700MHz	17.57	17.26	20.43
	5720MHz	17.67	17.09	20.40

802.11ax-HE 40 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ax (HE40)	5190MHz	17.39	16.62	20.03
	5230MHz	17.71	16.75	20.27
	5270MHz	17.46	16.46	20.00
	5310MHz	17.22	16.73	19.99
	5510MHz	17.53	16.67	20.13
	5550MHz	17.49	16.97	20.25
	5670MHz	17.36	16.81	20.10
	5710MHz	17.25	16.81	20.05

802.11ax-HE 80 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ax (HE80)	5210MHz	15.87	14.57	18.28
	5290MHz	15.55	14.58	18.10
	5530MHz	15.73	14.54	18.19
	5610MHz	17.38	16.56	20.00
	5690MHz	17.24	16.49	19.89

802.11ax-HE 160 mode

Mode	Frequency	Test Result (dBm)		
		Ant7	Ant9	MIMO
802.11ax (HE160)	5250MHz	14.22	13.14	16.72
	5570MHz	14.26	13.59	16.95

RU Mode

802.11ax-20 RU MIMO mode

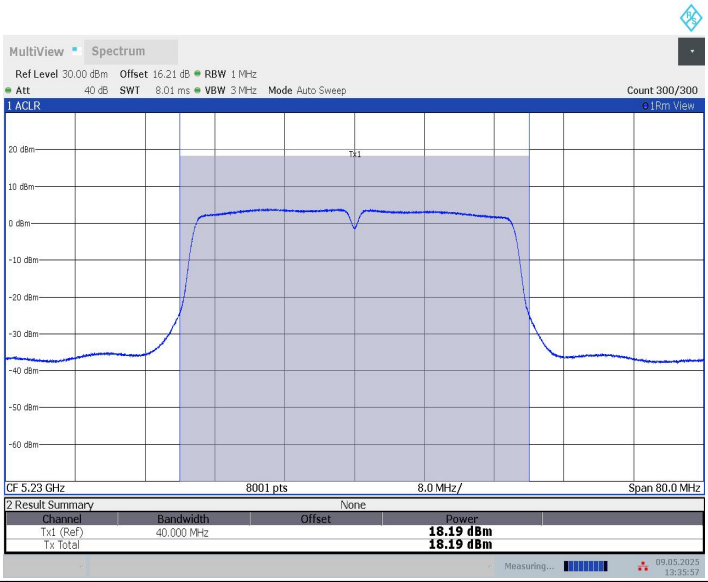
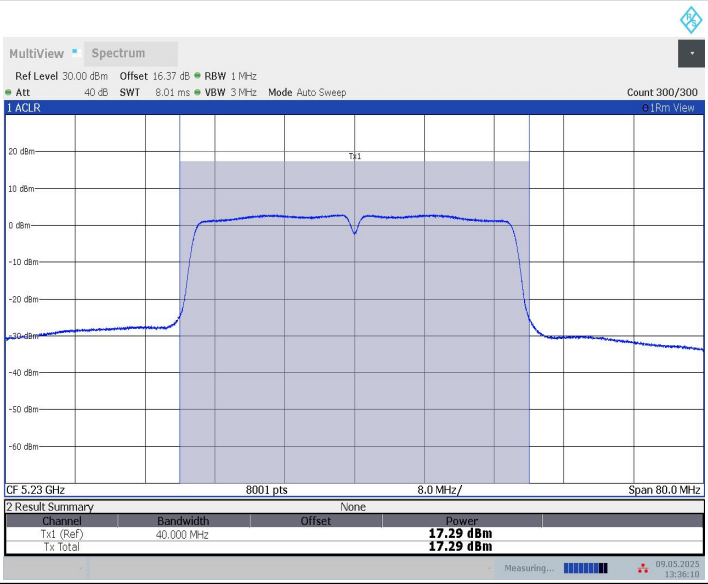
Mode	Channel	Test Result (dBm)		
		Ant7	Ant9	mimo
RU26-L	5180MHz (Ch36)	10.06	9.13	12.63
	5200MHz (Ch40)	9.92	8.91	12.45
	5240MHz(Ch48)	9.96	9.07	12.55
	5260MHz(Ch52)	9.45	8.78	12.14
	5280MHz(Ch56)	9.78	8.79	12.32
	5320MHz(Ch64)	9.34	8.79	12.08
RU26-R	5500MHz(Ch100)	9.48	9.04	12.28
	5580MHz(Ch116)	9.45	9.35	12.41
	5700MHz(Ch140)	10.45	9.15	12.86
	5720MHz(Ch144)	10.43	9.56	13.03
Mode	Channel	Test Result (dBm)		
		Ant7	Ant9	mimo

RU52-L	5180MHz (Ch36)	12.64	11.80	15.25
	5200MHz (Ch40)	12.54	11.7	15.15
	5240MHz(Ch48)	12.97	11.80	15.43
	5260MHz(Ch52)	12.32	11.5	14.94
	5280MHz(Ch56)	12.58	11.52	15.09
	5320MHz(Ch64)	12.32	11.56	14.97
RU52-R	5500MHz(Ch100)	12.65	12.05	15.37
	5580MHz(Ch116)	12.63	12.25	15.45
	5700MHz(Ch140)	13.24	12.08	15.71
	5720MHz(Ch144)	13.33	12.38	15.89
Mode	Channel	Test Result (dBm)		
		Ant7	Ant9	mimo
RU106-L	5180MHz (Ch36)	14.63	13.86	17.27
	5200MHz (Ch40)	14.47	13.78	17.15
	5240MHz(Ch48)	14.88	13.96	17.45
	5260MHz(Ch52)	14.36	13.52	16.97
	5280MHz(Ch56)	14.57	13.52	17.09
	5320MHz(Ch64)	14.37	13.66	17.04
RU106-R	5500MHz(Ch100)	14.76	13.73	17.29
	5580MHz(Ch116)	14.69	14.28	17.50
	5700MHz(Ch140)	15.19	14.17	17.72
	5720MHz(Ch144)	15.25	14.17	17.75

The data rate 6Mbps (11a mode), MCS0 (11n-HT20 mode), MCS0 (11n-HT40 mode), MCS0 (11ac-VHT20 mode), MCS0 (11ac-VHT40 mode), MCS0 (11ac-VHT80 mode) , MCS0 (11ac-VHT160 mode), MCS0 (11ax-HE20 mode), MCS0 (11ax-HE40 mode), MCS0 (11ax-HE80 mode), MCS0 (11ax-HE160 mode) are selected as the worst condition; as the maximum power is got with these data rate. The following cases are performed with this condition.

The duty cycle of all mode >98%

Maximum output Power：

11N40MIMO_Ant7_5230

11N40MIMO_Ant9_5230


Conclusion: PASS

A.3. Peak Power Spectral Density (conducted)

Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	11
	5250MHz~5350MHz	11
	5470MHz~5725MHz	11

The output power measurement method Section F is made according to KDB 789033

EUT ID: UT27a

Measurement Results:

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant7	5180	8.82	≤11.00	PASS
	Ant9	5180	6.73	≤11.00	PASS
	Ant7	5200	8.59	≤11.00	PASS
	Ant9	5200	6.45	≤11.00	PASS
	Ant7	5240	8.60	≤11.00	PASS
	Ant9	5240	6.44	≤11.00	PASS
	Ant7	5260	8.38	≤11.00	PASS
	Ant9	5260	6.22	≤11.00	PASS
	Ant7	5280	8.43	≤11.00	PASS
	Ant9	5280	6.11	≤11.00	PASS
	Ant7	5320	8.40	≤11.00	PASS
	Ant9	5320	6.30	≤11.00	PASS
	Ant7	5500	8.53	≤11.00	PASS
	Ant9	5500	5.90	≤11.00	PASS
	Ant7	5580	8.58	≤11.00	PASS
	Ant9	5580	6.35	≤11.00	PASS
	Ant7	5700	8.37	≤11.00	PASS
	Ant9	5700	6.39	≤11.00	PASS
	Ant7	5720	8.41	≤11.00	PASS
	Ant9	5720	6.32	≤11.00	PASS
11N40MIMO	Ant7	5190	3.18	≤11.00	PASS
	Ant9	5190	3.44	≤11.00	PASS
	total	5190	6.32	≤11.00	PASS
	Ant7	5230	3.61	≤11.00	PASS
	Ant9	5230	3.87	≤11.00	PASS
	total	5230	6.75	≤11.00	PASS
	Ant7	5270	3.34	≤11.00	PASS
	Ant9	5270	2.98	≤11.00	PASS
	total	5270	6.17	≤11.00	PASS
	Ant7	5310	2.93	≤11.00	PASS
	Ant9	5310	3.37	≤11.00	PASS

	total	5310	6.17	≤11.00	PASS
	Ant7	5510	3.32	≤11.00	PASS
	Ant9	5510	2.94	≤11.00	PASS
	total	5510	6.14	≤11.00	PASS
	Ant7	5550	3.28	≤11.00	PASS
	Ant9	5550	3.58	≤11.00	PASS
	total	5550	6.44	≤11.00	PASS
	Ant7	5670	3.11	≤11.00	PASS
	Ant9	5670	3.32	≤11.00	PASS
	total	5670	6.23	≤11.00	PASS
	Ant7	5710	3.03	≤11.00	PASS
	Ant9	5710	3.56	≤11.00	PASS
	total	5710	6.31	≤11.00	PASS
11AC80MIMO	Ant7	5210	-1.28	≤11.00	PASS
	Ant9	5210	-2.60	≤11.00	PASS
	total	5210	1.12	≤11.00	PASS
	Ant7	5290	-1.77	≤11.00	PASS
	Ant9	5290	-2.51	≤11.00	PASS
	total	5290	0.89	≤11.00	PASS
	Ant7	5530	-1.69	≤11.00	PASS
	Ant9	5530	-2.50	≤11.00	PASS
	total	5530	0.93	≤11.00	PASS
	Ant7	5610	0.20	≤11.00	PASS
	Ant9	5610	-0.68	≤11.00	PASS
	total	5610	2.79	≤11.00	PASS
	Ant7	5690	-0.21	≤11.00	PASS
	Ant9	5690	-0.67	≤11.00	PASS
	total	5690	2.58	≤11.00	PASS
11AX20MIMO	Ant7	5180	6.11	≤11.00	PASS
	Ant9	5180	6.21	≤11.00	PASS
	total	5180	9.17	≤11.00	PASS
	Ant7	5200	5.69	≤11.00	PASS
	Ant9	5200	5.91	≤11.00	PASS
	total	5200	8.81	≤11.00	PASS
	Ant7	5240	6.01	≤11.00	PASS
	Ant9	5240	6.52	≤11.00	PASS
	total	5240	9.28	≤11.00	PASS
	Ant7	5260	5.79	≤11.00	PASS
	Ant9	5260	5.85	≤11.00	PASS
	total	5260	8.83	≤11.00	PASS
	Ant7	5280	6.02	≤11.00	PASS
	Ant9	5280	6.11	≤11.00	PASS

	total	5280	9.08	≤11.00	PASS
	Ant7	5320	5.60	≤11.00	PASS
	Ant9	5320	6.09	≤11.00	PASS
	total	5320	8.86	≤11.00	PASS
	Ant7	5500	5.96	≤11.00	PASS
	Ant9	5500	5.78	≤11.00	PASS
	total	5500	8.88	≤11.00	PASS
	Ant7	5580	5.99	≤11.00	PASS
	Ant9	5580	6.13	≤11.00	PASS
	total	5580	9.07	≤11.00	PASS
	Ant7	5700	5.86	≤11.00	PASS
	Ant9	5700	6.20	≤11.00	PASS
	total	5700	9.04	≤11.00	PASS
	Ant7	5720	5.76	≤11.00	PASS
	Ant9	5720	6.09	≤11.00	PASS
	total	5720	8.94	≤11.00	PASS
11AX160MIMO	Ant7	5250	-6.00	≤11.00	PASS
	Ant9	5250	-6.84	≤11.00	PASS
	total	5250	-3.39	≤11.00	PASS
	Ant7	5570	-6.16	≤11.00	PASS
	Ant9	5570	-6.87	≤11.00	PASS
	total	5570	-3.49	≤11.00	PASS

RU MODE

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20MIMO	Ant7	5180	26Tone	RU0	7.56	≤11.00	PASS
			52Tone	RU37	7.30	≤11.00	PASS
			106Tone	RU53	6.39	≤11.00	PASS
	Ant9	5180	26Tone	RU0	6.65	≤11.00	PASS
			52Tone	RU37	6.47	≤11.00	PASS
			106Tone	RU53	5.88	≤11.00	PASS
	total	5180	26Tone	RU0	10.14	≤11.00	PASS
			52Tone	RU37	9.92	≤11.00	PASS
			106Tone	RU53	9.15	≤11.00	PASS
	Ant7	5200	26Tone	RU0	7.40	≤11.00	PASS
			52Tone	RU37	7.30	≤11.00	PASS
			106Tone	RU53	6.13	≤11.00	PASS
	Ant9	5200	26Tone	RU0	6.32	≤11.00	PASS
			52Tone	RU37	6.48	≤11.00	PASS
			106Tone	RU53	5.52	≤11.00	PASS
	total	5200	26Tone	RU0	9.90	≤11.00	PASS
			52Tone	RU37	9.92	≤11.00	PASS

			106Tone	RU53	8.85	≤11.00	PASS
	Ant7	5240	26Tone	RU0	7.35	≤11.00	PASS
			52Tone	RU37	7.67	≤11.00	PASS
			106Tone	RU53	6.74	≤11.00	PASS
	Ant9	5240	26Tone	RU0	6.36	≤11.00	PASS
			52Tone	RU37	6.52	≤11.00	PASS
			106Tone	RU53	5.81	≤11.00	PASS
	total	5240	26Tone	RU0	9.89	≤11.00	PASS
			52Tone	RU37	10.14	≤11.00	PASS
			106Tone	RU53	9.31	≤11.00	PASS
	Ant7	5260	26Tone	RU0	7.04	≤11.00	PASS
			52Tone	RU37	6.91	≤11.00	PASS
			106Tone	RU53	6.03	≤11.00	PASS
	Ant9	5260	26Tone	RU0	6.26	≤11.00	PASS
			52Tone	RU37	6.20	≤11.00	PASS
			106Tone	RU53	5.10	≤11.00	PASS
	total	5260	26Tone	RU0	9.68	≤11.00	PASS
			52Tone	RU37	9.58	≤11.00	PASS
			106Tone	RU53	8.60	≤11.00	PASS
	Ant7	5280	26Tone	RU0	7.22	≤11.00	PASS
			52Tone	RU37	7.31	≤11.00	PASS
			106Tone	RU53	6.40	≤11.00	PASS
	Ant9	5280	26Tone	RU0	6.08	≤11.00	PASS
			52Tone	RU37	6.32	≤11.00	PASS
			106Tone	RU53	5.34	≤11.00	PASS
	total	5280	26Tone	RU0	9.70	≤11.00	PASS
			52Tone	RU37	9.85	≤11.00	PASS
			106Tone	RU53	8.91	≤11.00	PASS
	Ant7	5320	26Tone	RU0	6.78	≤11.00	PASS
			52Tone	RU37	7.03	≤11.00	PASS
			106Tone	RU53	6.10	≤11.00	PASS
	Ant9	5320	26Tone	RU0	6.23	≤11.00	PASS
			52Tone	RU37	6.23	≤11.00	PASS
			106Tone	RU53	5.21	≤11.00	PASS
	total	5320	26Tone	RU0	9.52	≤11.00	PASS
			52Tone	RU37	9.66	≤11.00	PASS
			106Tone	RU53	8.69	≤11.00	PASS
	Ant7	5500	26Tone	RU8	7.02	≤11.00	PASS
			52Tone	RU40	7.29	≤11.00	PASS
			106Tone	RU54	6.19	≤11.00	PASS
	Ant9	5500	26Tone	RU8	6.53	≤11.00	PASS
			52Tone	RU40	6.72	≤11.00	PASS

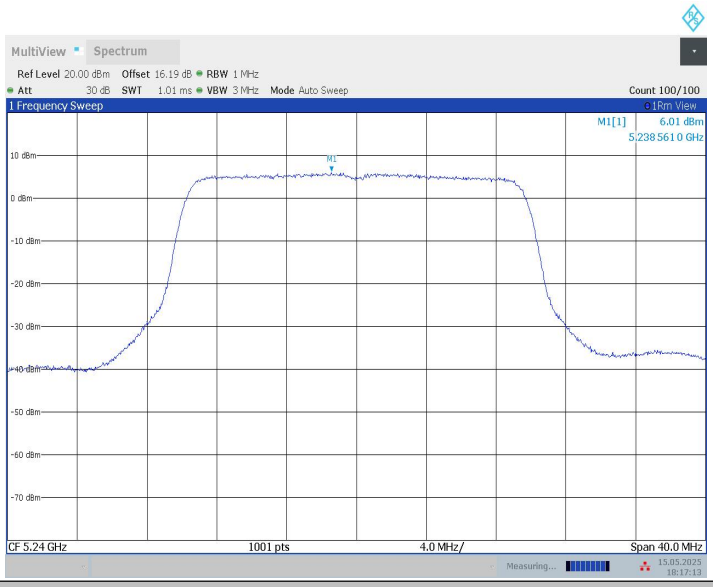
			106Tone	RU54	5.61	≤11.00	PASS
	total	5500	26Tone	RU8	9.79	≤11.00	PASS
			52Tone	RU40	10.02	≤11.00	PASS
			106Tone	RU54	8.92	≤11.00	PASS
	Ant7	5580	26Tone	RU8	6.86	≤11.00	PASS
			52Tone	RU40	7.19	≤11.00	PASS
			106Tone	RU54	6.39	≤11.00	PASS
	Ant9	5580	26Tone	RU8	6.84	≤11.00	PASS
			52Tone	RU40	6.91	≤11.00	PASS
			106Tone	RU54	6.00	≤11.00	PASS
	total	5580	26Tone	RU8	9.86	≤11.00	PASS
			52Tone	RU40	10.06	≤11.00	PASS
			106Tone	RU54	9.21	≤11.00	PASS
	Ant7	5700	26Tone	RU8	7.76	≤11.00	PASS
			52Tone	RU40	7.78	≤11.00	PASS
			106Tone	RU54	6.86	≤11.00	PASS
	Ant9	5700	26Tone	RU8	6.70	≤11.00	PASS
			52Tone	RU40	6.66	≤11.00	PASS
			106Tone	RU54	5.75	≤11.00	PASS
	total	5700	26Tone	RU8	10.27	≤11.00	PASS
			52Tone	RU40	10.27	≤11.00	PASS
			106Tone	RU54	9.35	≤11.00	PASS
	Ant7	5720_UNII-2C	26Tone	RU8	-16.54	≤11.00	PASS
			52Tone	RU40	-0.37	≤11.00	PASS
			106Tone	RU54	6.82	≤11.00	PASS
	Ant9	5720_UNII-2C	26Tone	RU8	-15.62	≤11.00	PASS
			52Tone	RU40	-1.15	≤11.00	PASS
			106Tone	RU54	5.65	≤11.00	PASS
	total	5720_UNII-2C	26Tone	RU8	-13.05	≤11.00	PASS
			52Tone	RU40	2.27	≤11.00	PASS
			106Tone	RU54	9.28	≤11.00	PASS
	Ant7	5720_UNII-3	26Tone	RU8	4.92	≤30.00	PASS
			52Tone	RU40	5.03	≤30.00	PASS
			106Tone	RU54	4.17	≤30.00	PASS
	Ant9	5720_UNII-3	26Tone	RU8	4.11	≤30.00	PASS
			52Tone	RU40	4.00	≤30.00	PASS
			106Tone	RU54	3.19	≤30.00	PASS
	total	5720_UNII-3	26Tone	RU8	7.54	≤30.00	PASS
			52Tone	RU40	7.56	≤30.00	PASS
			106Tone	RU54	6.72	≤30.00	PASS
	Ant7	5745	26Tone	RU0	5.19	≤30.00	PASS
				RU8	4.85	≤30.00	PASS

			52Tone	RU37	5.39	≤30.00	PASS
				RU40	4.74	≤30.00	PASS
			106Tone	RU53	4.18	≤30.00	PASS
				RU54	3.92	≤30.00	PASS
	Ant9	5745	26Tone	RU0	3.63	≤30.00	PASS
				RU8	3.94	≤30.00	PASS
			52Tone	RU37	3.84	≤30.00	PASS
				RU40	3.87	≤30.00	PASS
			106Tone	RU53	3.42	≤30.00	PASS
				RU54	3.50	≤30.00	PASS
	total	5745	26Tone	RU0	7.49	≤30.00	PASS
				RU8	7.43	≤30.00	PASS
			52Tone	RU37	7.69	≤30.00	PASS
				RU40	7.34	≤30.00	PASS
			106Tone	RU53	6.83	≤30.00	PASS
				RU54	6.73	≤30.00	PASS
	Ant7	5785	26Tone	RU0	5.03	≤30.00	PASS
				RU8	4.83	≤30.00	PASS
			52Tone	RU37	5.07	≤30.00	PASS
				RU40	4.74	≤30.00	PASS
			106Tone	RU53	3.97	≤30.00	PASS
				RU54	3.64	≤30.00	PASS
	Ant9	5785	26Tone	RU0	3.65	≤30.00	PASS
				RU8	3.79	≤30.00	PASS
			52Tone	RU37	3.86	≤30.00	PASS
				RU40	4.06	≤30.00	PASS
			106Tone	RU53	3.09	≤30.00	PASS
				RU54	3.16	≤30.00	PASS
	total	5785	26Tone	RU0	7.40	≤30.00	PASS
				RU8	7.35	≤30.00	PASS
			52Tone	RU37	7.52	≤30.00	PASS
				RU40	7.42	≤30.00	PASS
			106Tone	RU53	6.56	≤30.00	PASS
				RU54	6.42	≤30.00	PASS
	Ant7	5825	26Tone	RU0	4.89	≤30.00	PASS
				RU8	4.81	≤30.00	PASS
			52Tone	RU37	4.94	≤30.00	PASS
				RU40	4.73	≤30.00	PASS
			106Tone	RU53	3.62	≤30.00	PASS
				RU54	3.72	≤30.00	PASS
	Ant9	5825	26Tone	RU0	3.54	≤30.00	PASS
				RU8	3.72	≤30.00	PASS

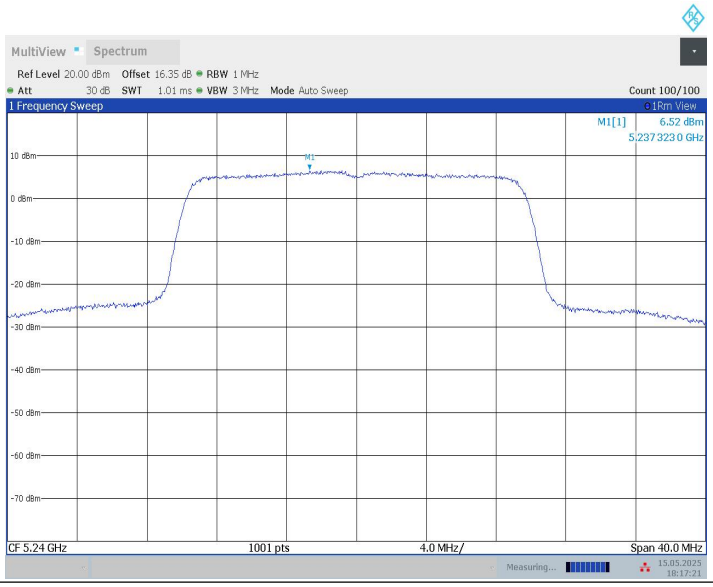
			52Tone	RU37	3.77	≤30.00	PASS
				RU40	3.82	≤30.00	PASS
			106Tone	RU53	3.04	≤30.00	PASS
				RU54	3.18	≤30.00	PASS
	total	5825	26Tone	RU0	7.28	≤30.00	PASS
				RU8	7.31	≤30.00	PASS
			52Tone	RU37	7.40	≤30.00	PASS
				RU40	7.31	≤30.00	PASS
			106Tone	RU53	6.35	≤30.00	PASS
				RU54	6.47	≤30.00	PASS

Peak Power Spectral Density:

11AX20MIMO_Ant7_5240



11AX20MIMO_Ant9_5240



Conclusion: PASS

A.4. 26dB Emission Bandwidth (conducted)

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.403 (i)	/

The measurement is made according to KDB 789033

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

EUT ID: UT27a

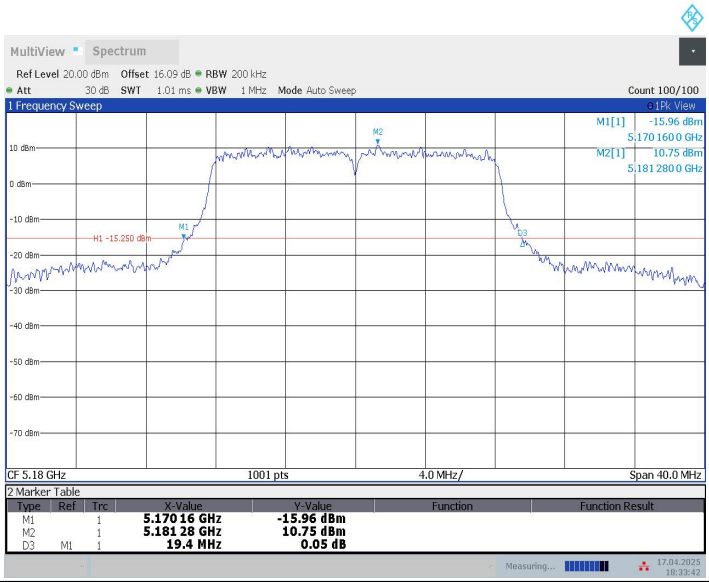
Measurement Result:

TestMode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant7	5180	19.40	5170.16	5189.56	---	---
	Ant9	5180	19.72	5170.12	5189.84	---	---
	Ant7	5200	19.12	5190.48	5209.60	---	---
	Ant9	5200	19.00	5190.40	5209.40	---	---
	Ant7	5240	19.04	5230.32	5249.36	---	---
	Ant9	5240	19.16	5230.40	5249.56	---	---
	Ant7	5260	18.88	5250.60	5269.48	---	---
	Ant9	5260	19.40	5250.28	5269.68	---	---
	Ant7	5280	19.44	5270.36	5289.80	---	---
	Ant9	5280	19.36	5270.36	5289.72	---	---
	Ant7	5320	19.12	5310.56	5329.68	---	---
	Ant9	5320	19.40	5310.16	5329.56	---	---
	Ant7	5500	19.60	5490.12	5509.72	---	---
	Ant9	5500	19.56	5490.16	5509.72	---	---
	Ant7	5580	20.12	5569.76	5589.88	---	---
	Ant9	5580	19.76	5570.00	5589.76	---	---
	Ant7	5700	19.68	5690.04	5709.72	---	---
	Ant9	5700	19.52	5690.12	5709.64	---	---
	Ant7	5720	19.84	5710.16	5730.00	---	---
	Ant9	5720	19.28	5710.56	5729.84	---	---
11N40MIMO	Ant7	5190	61.52	5158.80	5220.32	---	---
	Ant9	5190	61.12	5156.88	5218.00	---	---
	Ant7	5230	40.16	5209.76	5249.92	---	---
	Ant9	5230	43.20	5206.56	5249.76	---	---
	Ant7	5270	40.24	5249.92	5290.16	---	---
	Ant9	5270	40.24	5249.92	5290.16	---	---
	Ant7	5310	40.24	5289.92	5330.16	---	---
	Ant9	5310	39.92	5290.08	5330.00	---	---

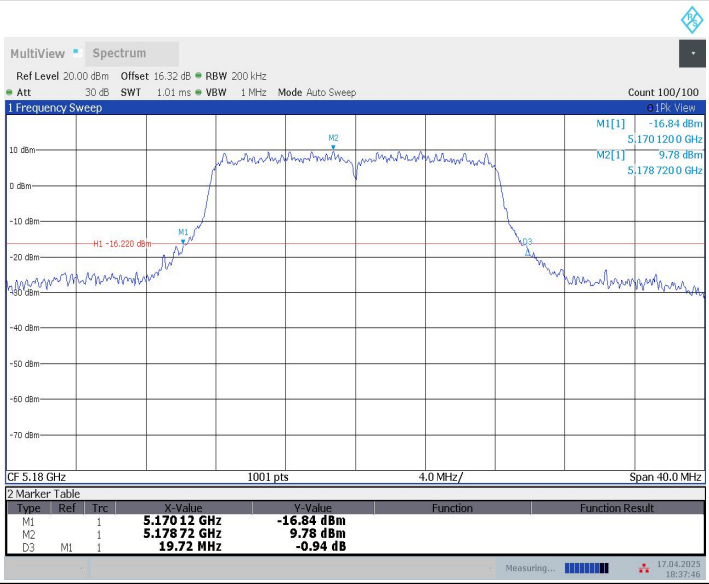
	Ant7	5510	40.24	5489.84	5530.08	---	---
	Ant9	5510	39.92	5490.08	5530.00	---	---
	Ant7	5550	40.08	5529.76	5569.84	---	---
	Ant9	5550	40.24	5529.92	5570.16	---	---
	Ant7	5670	40.00	5649.92	5689.92	---	---
	Ant9	5670	40.16	5649.84	5690.00	---	---
	Ant7	5710	40.40	5689.68	5730.08	---	---
	Ant9	5710	40.00	5690.08	5730.08	---	---
11AC80MIMO	Ant7	5210	82.88	5168.56	5251.44	---	---
	Ant9	5210	82.88	5168.56	5251.44	---	---
	Ant7	5290	82.40	5248.88	5331.28	---	---
	Ant9	5290	82.24	5248.88	5331.12	---	---
	Ant7	5530	82.72	5488.72	5571.44	---	---
	Ant9	5530	82.40	5489.04	5571.44	---	---
	Ant7	5610	82.88	5568.72	5651.60	---	---
	Ant9	5610	82.24	5568.88	5651.12	---	---
	Ant7	5690	82.72	5648.56	5731.28	---	---
	Ant9	5690	83.04	5648.56	5731.60	---	---
11AX20MIMO	Ant7	5180	20.92	5169.60	5190.52	---	---
	Ant9	5180	21.16	5169.36	5190.52	---	---
	Ant7	5200	21.36	5189.32	5210.68	---	---
	Ant9	5200	21.12	5189.32	5210.44	---	---
	Ant7	5240	21.20	5229.28	5250.48	---	---
	Ant9	5240	21.16	5229.36	5250.52	---	---
	Ant7	5260	21.08	5249.44	5270.52	---	---
	Ant9	5260	21.44	5249.24	5270.68	---	---
	Ant7	5280	21.08	5269.44	5290.52	---	---
	Ant9	5280	21.20	5269.40	5290.60	---	---
	Ant7	5320	20.88	5309.60	5330.48	---	---
	Ant9	5320	21.24	5309.36	5330.60	---	---
	Ant7	5500	21.20	5489.36	5510.56	---	---
	Ant9	5500	21.32	5489.28	5510.60	---	---
	Ant7	5580	21.12	5569.40	5590.52	---	---
	Ant9	5580	21.28	5569.32	5590.60	---	---
	Ant7	5700	20.92	5689.52	5710.44	---	---
	Ant9	5700	21.08	5689.48	5710.56	---	---
	Ant7	5720	21.44	5709.16	5730.60	---	---
	Ant9	5720	21.12	5709.44	5730.56	---	---
11AX160MIMO	Ant7	5250	167.04	5166.48	5333.52	---	---
	Ant9	5250	166.72	5166.48	5333.20	---	---
	Ant7	5570	166.40	5486.80	5653.20	---	---
	Ant9	5570	166.40	5486.80	5653.20	---	---

Test graphs as below:

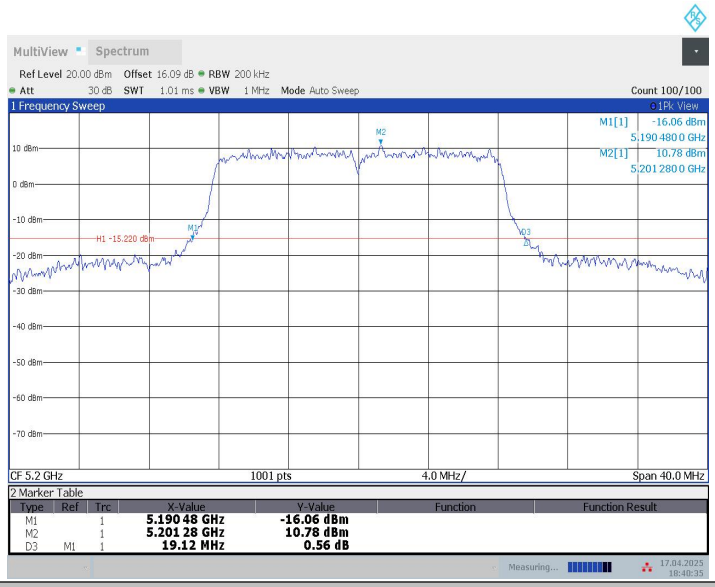
11A_Ant7_5180



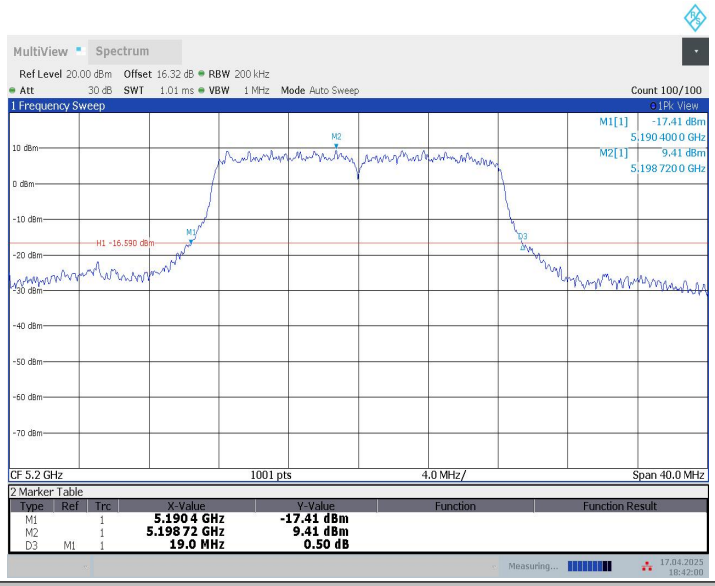
11A_Ant9_5180



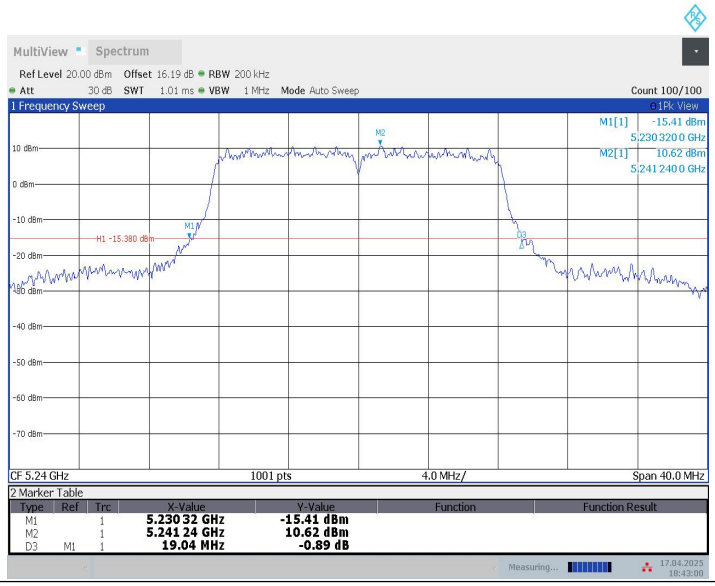
11A_Ant7_5200

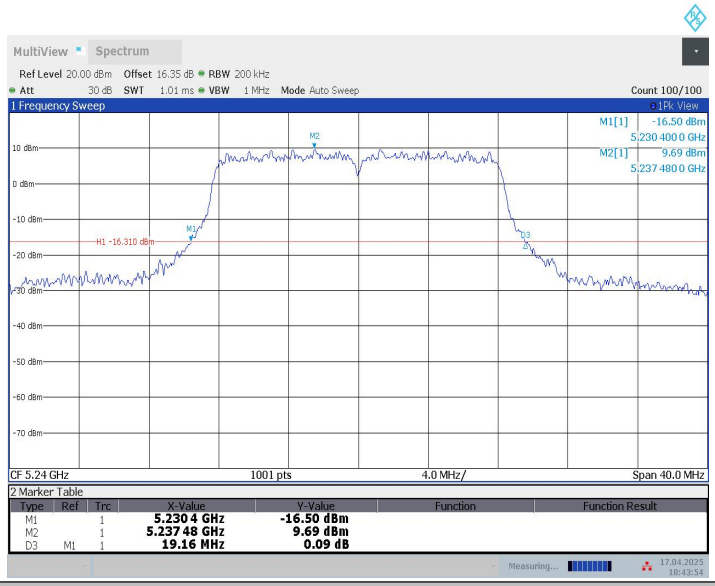
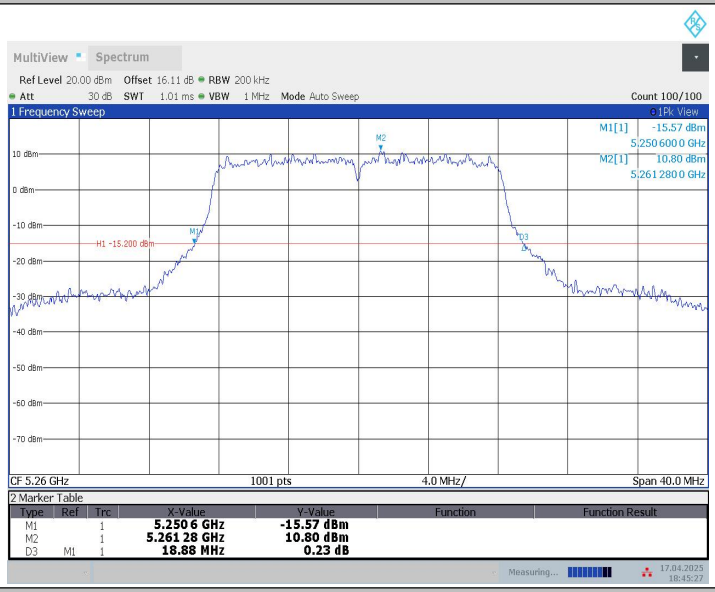


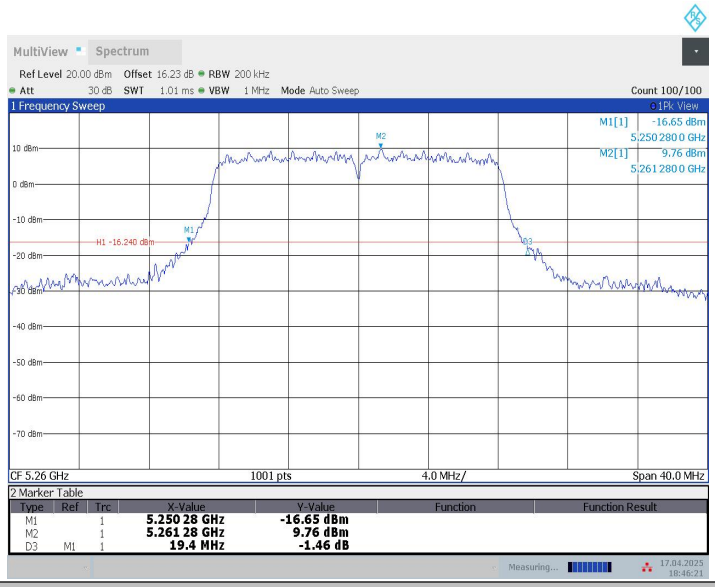
11A_Ant9_5200



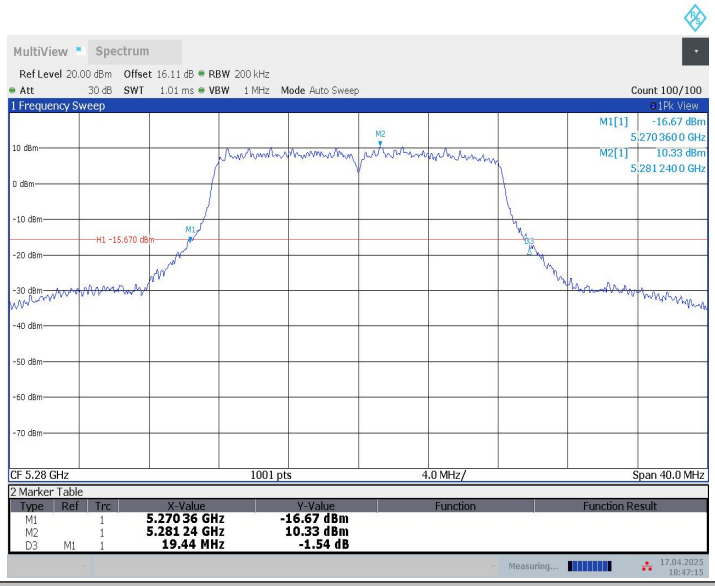
11A_Ant7_5240



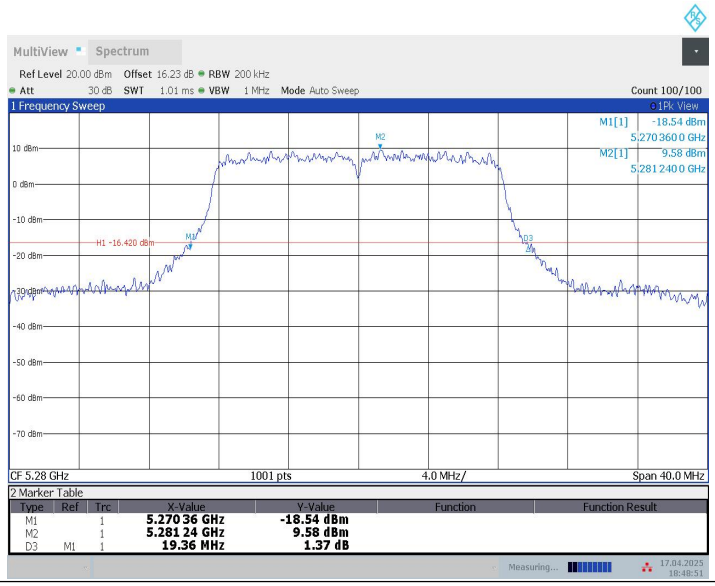
11A_Ant9_5240

11A_Ant7_5260

11A_Ant9_5260



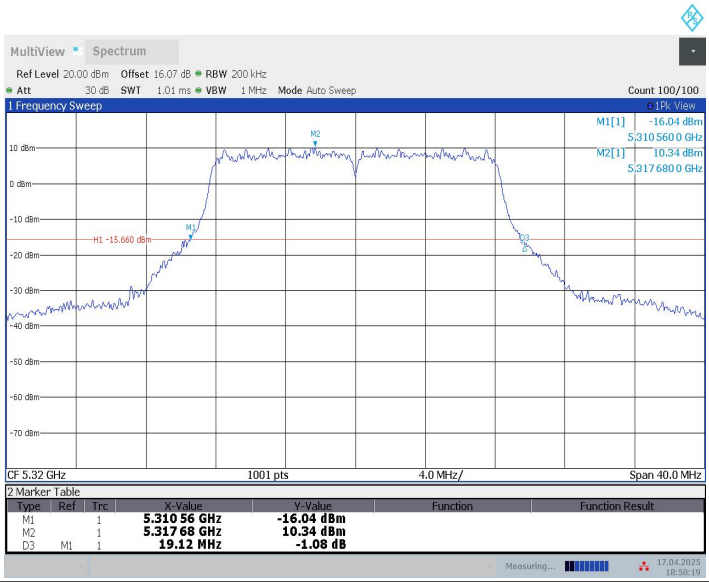
11A_Ant7_5280



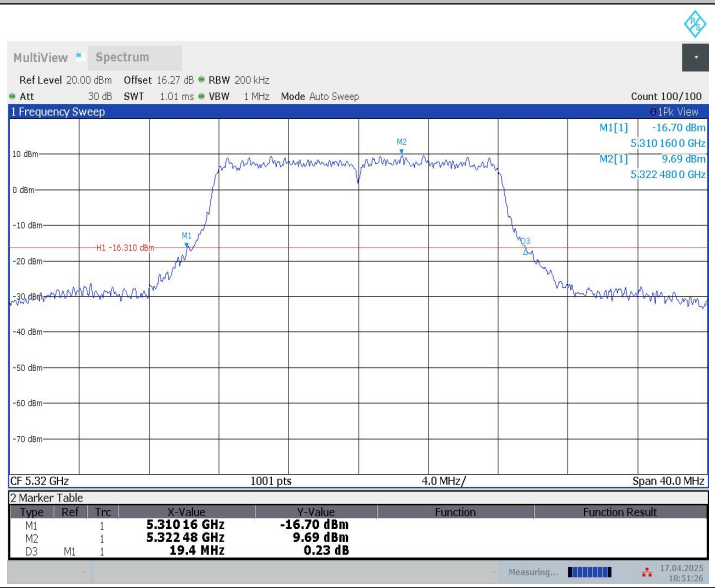
11A_Ant9_5280



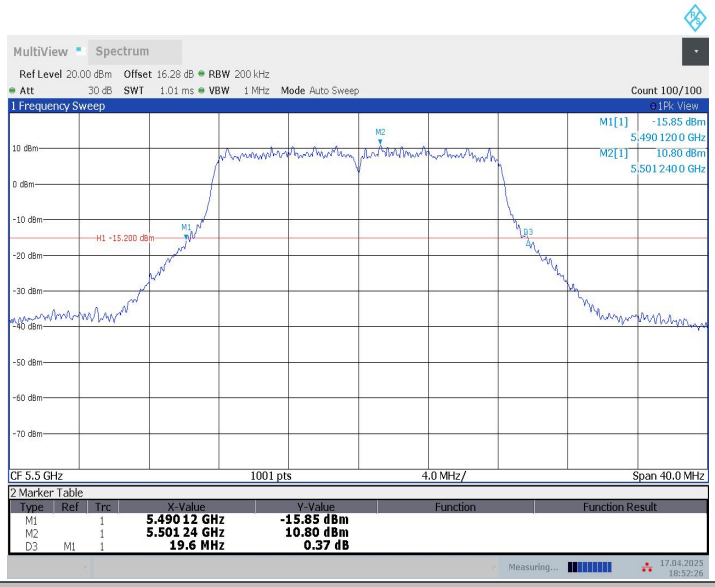
11A_Ant7_5320



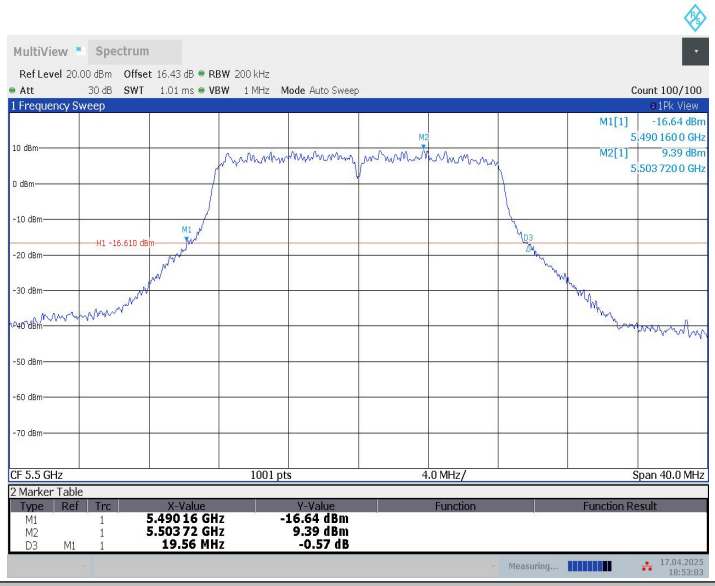
11A_Ant9_5320



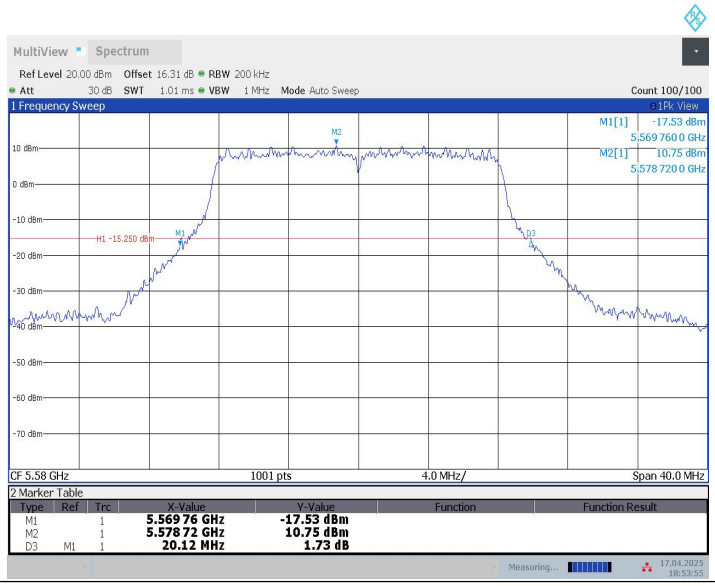
11A_Ant7_5500



11A_Ant9_5500



11A_Ant7_5580



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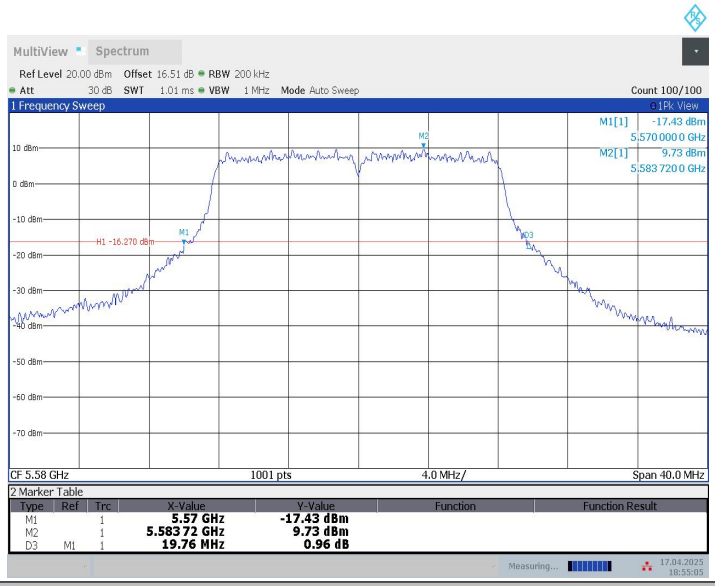
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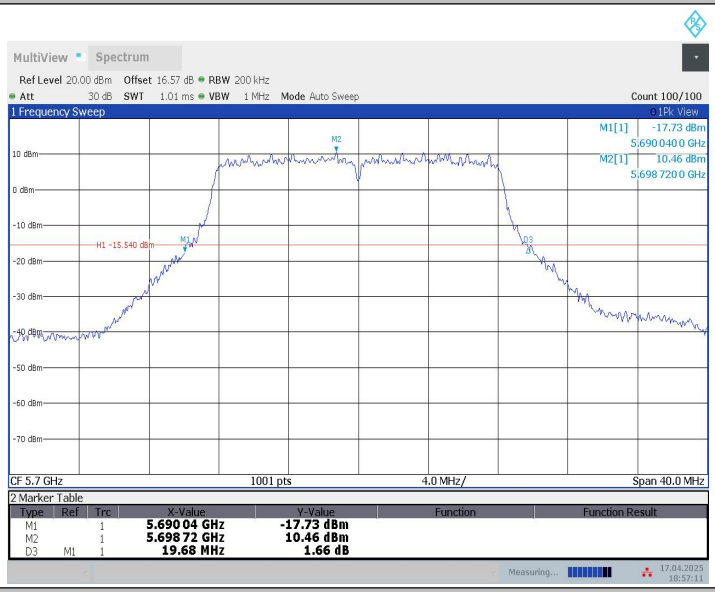
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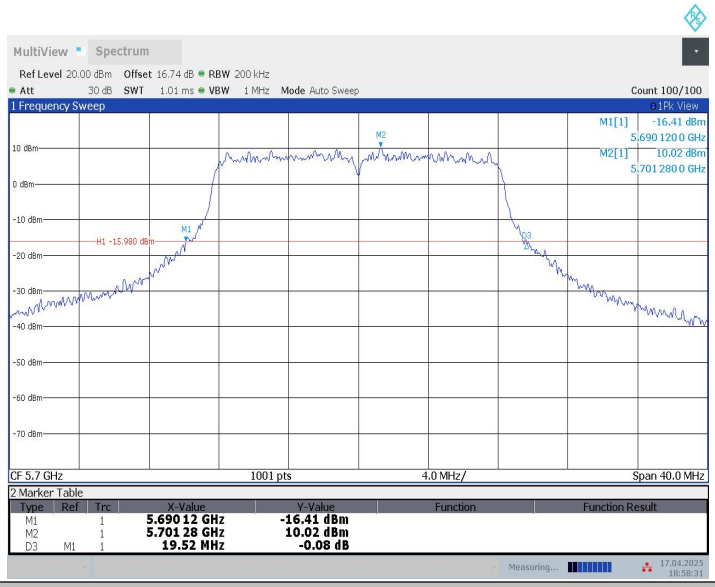

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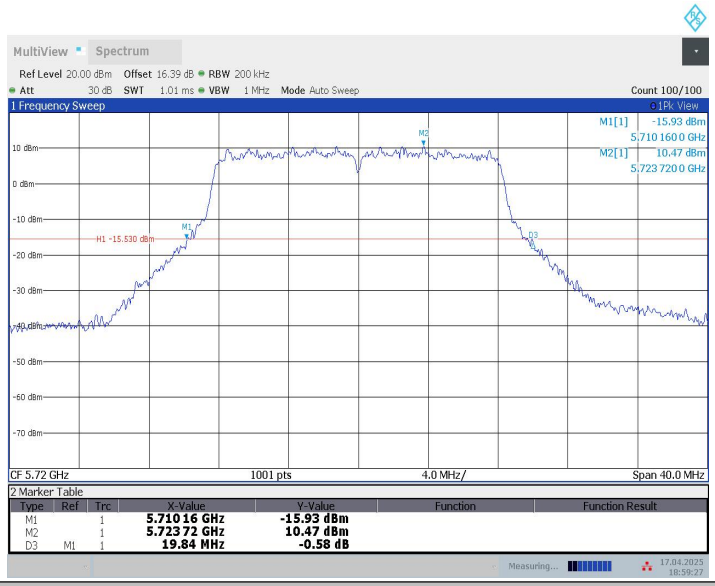

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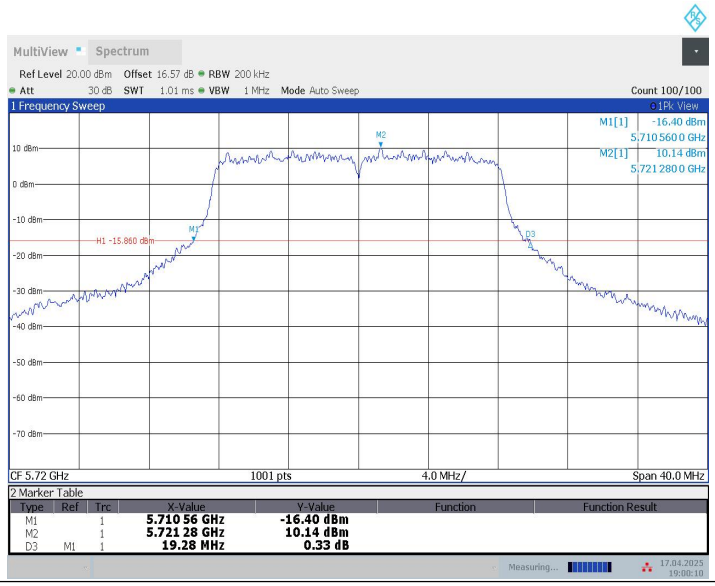

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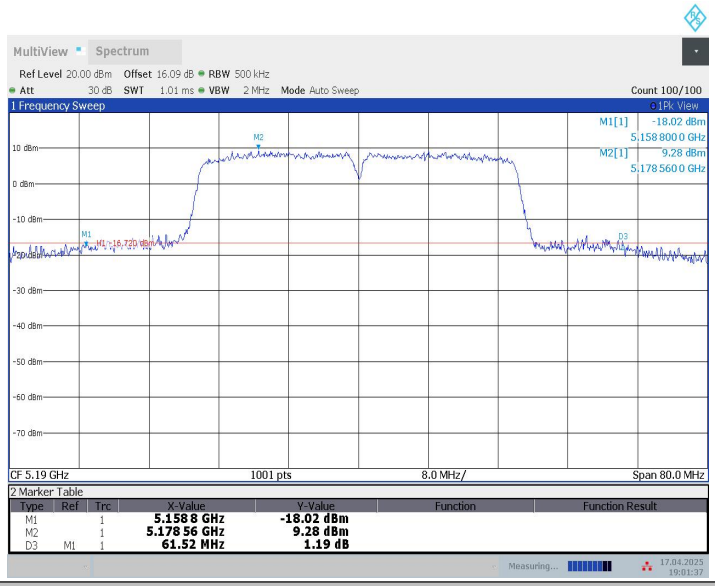
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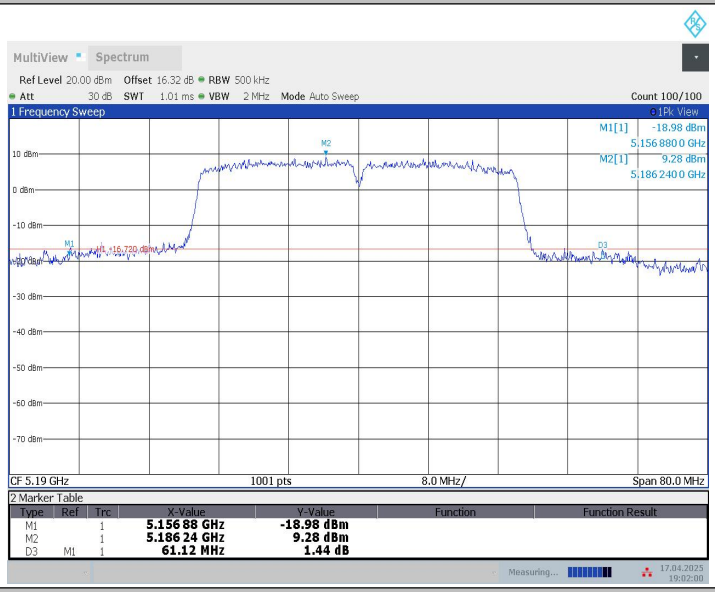
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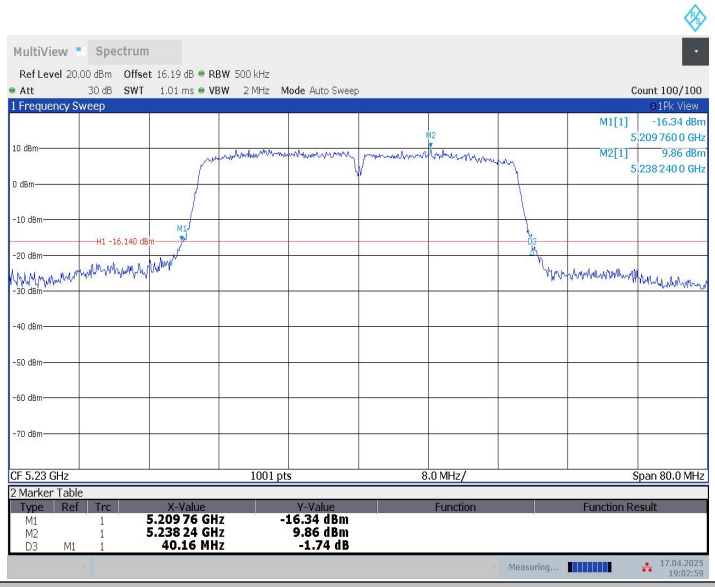

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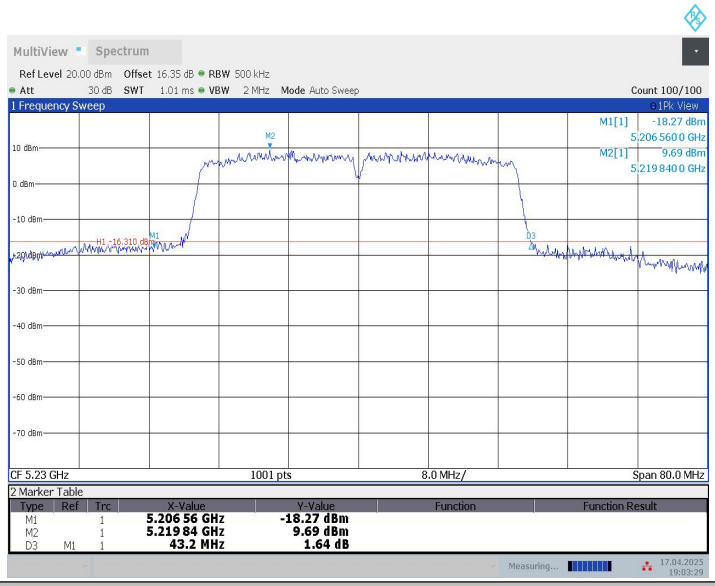

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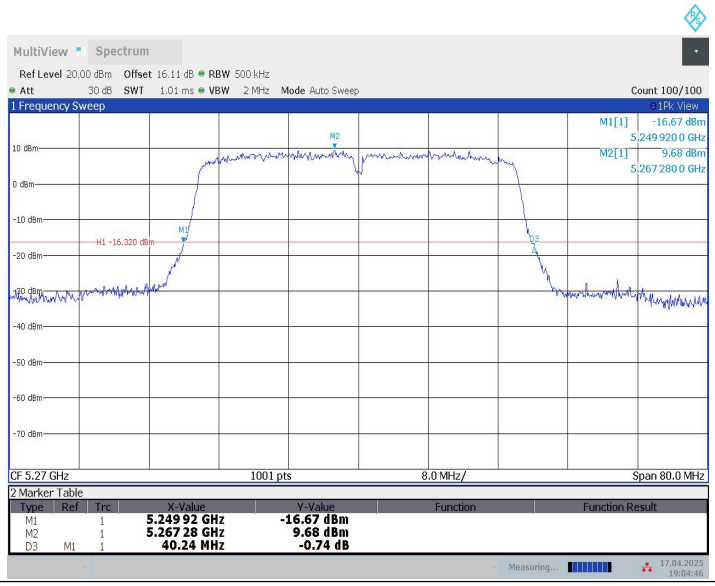

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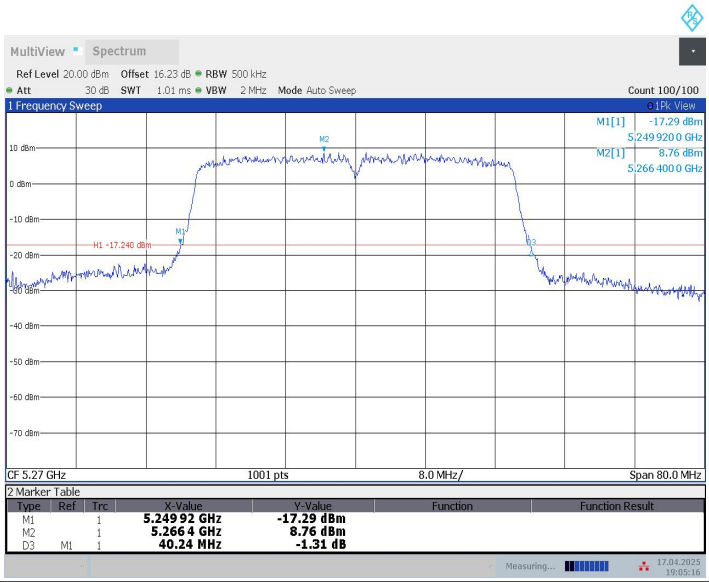
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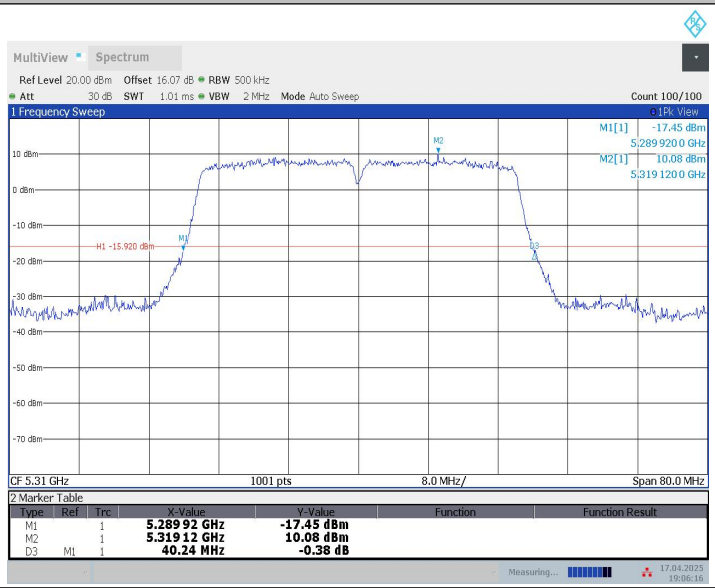
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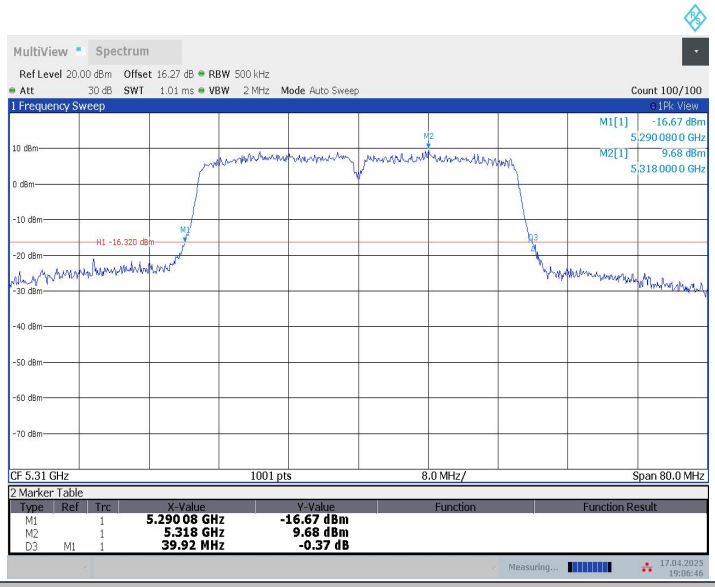

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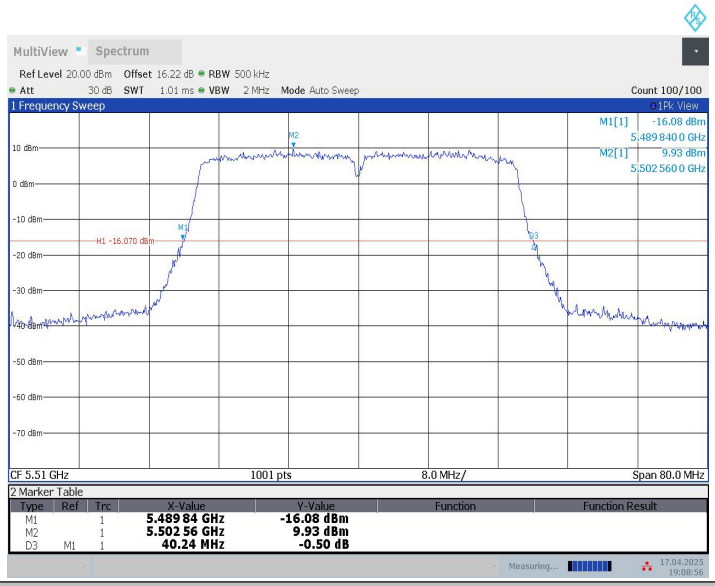

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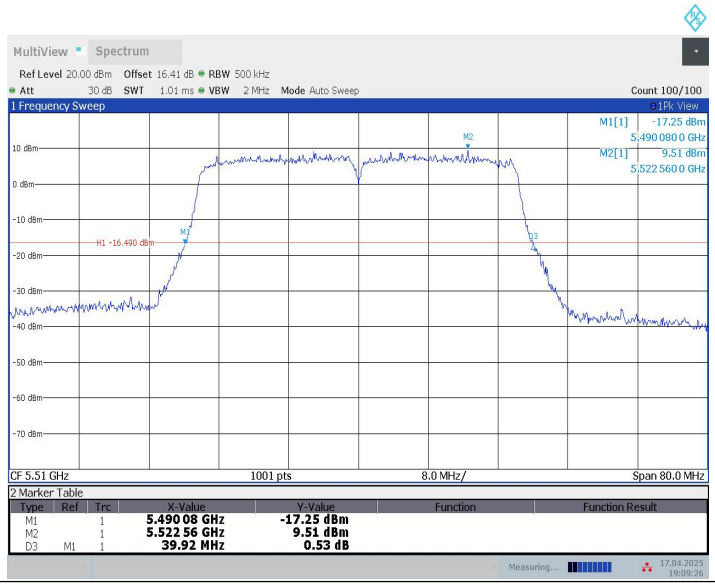

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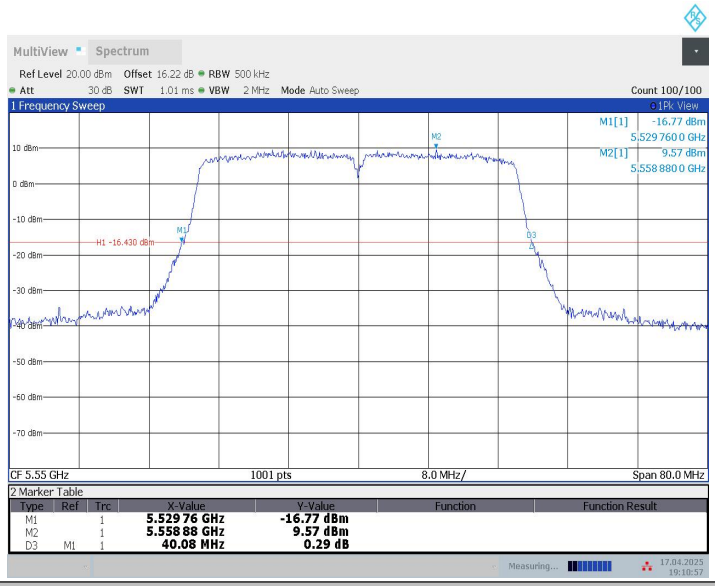
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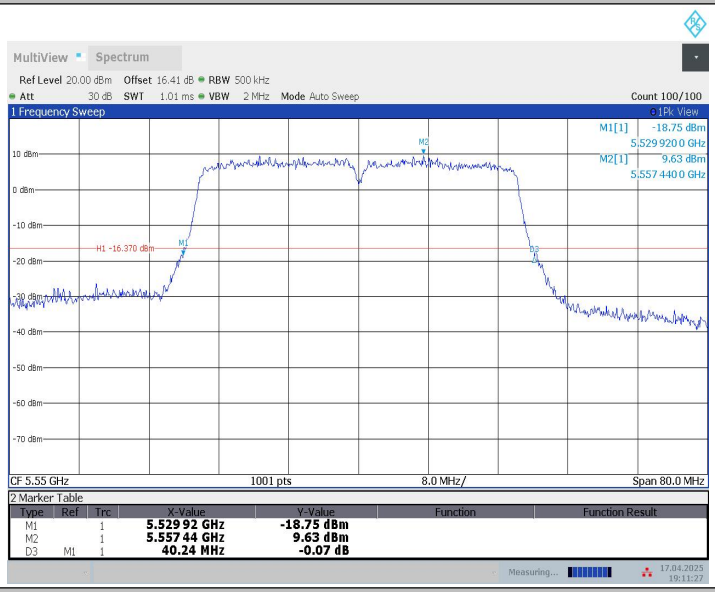
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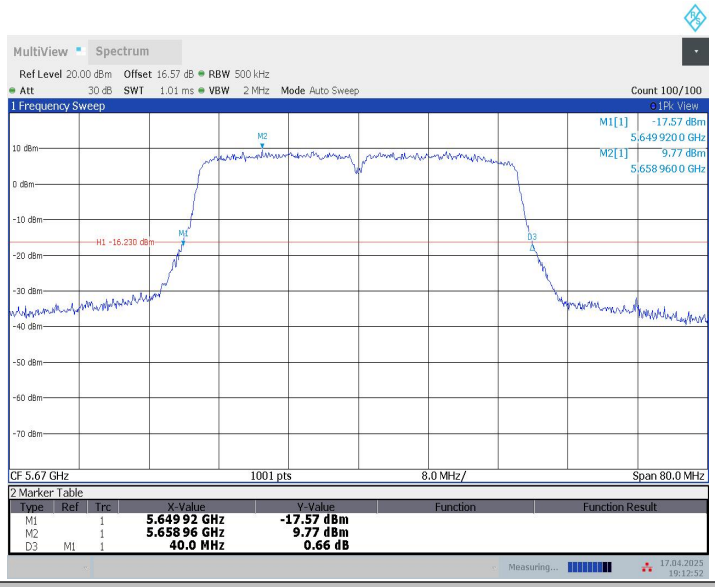

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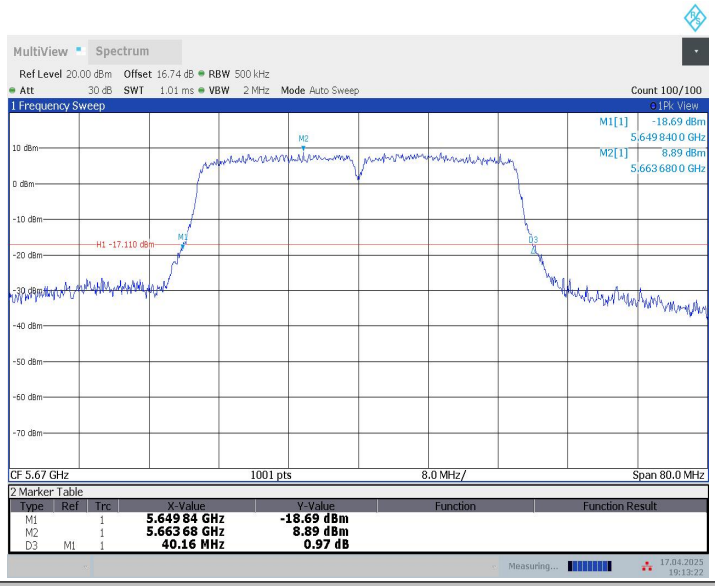

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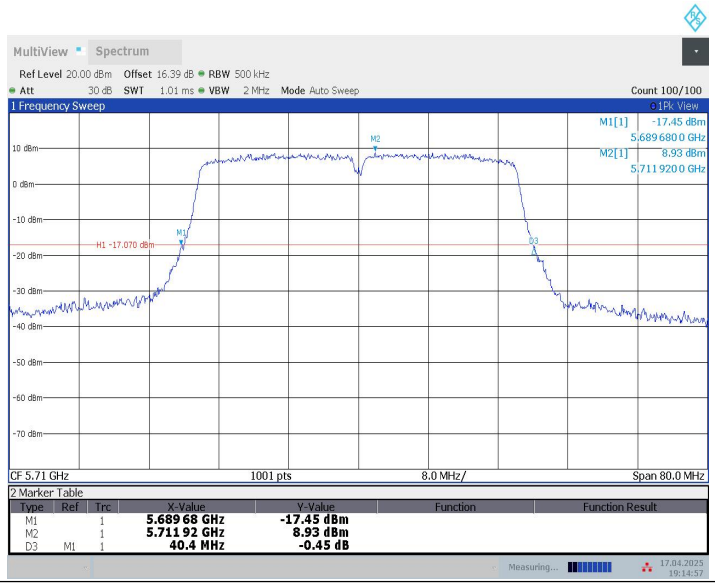

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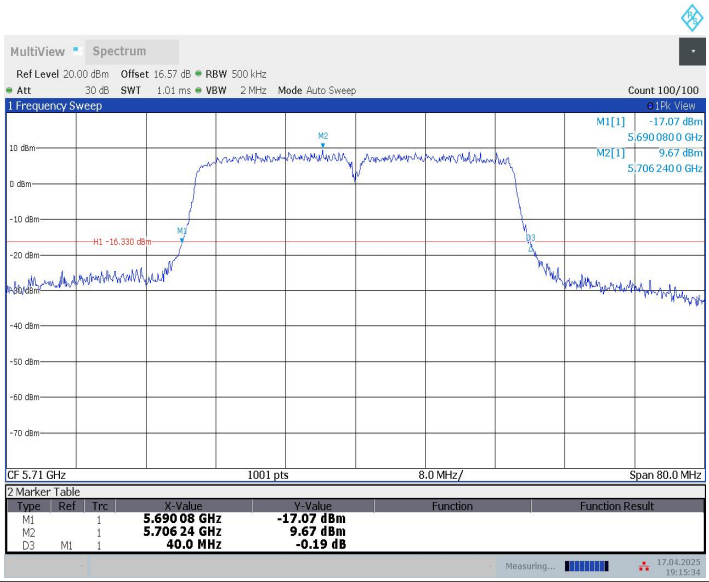

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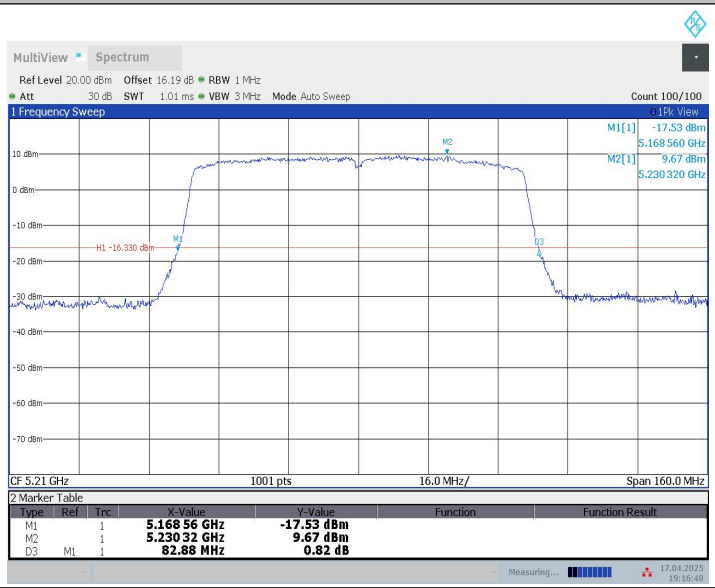

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