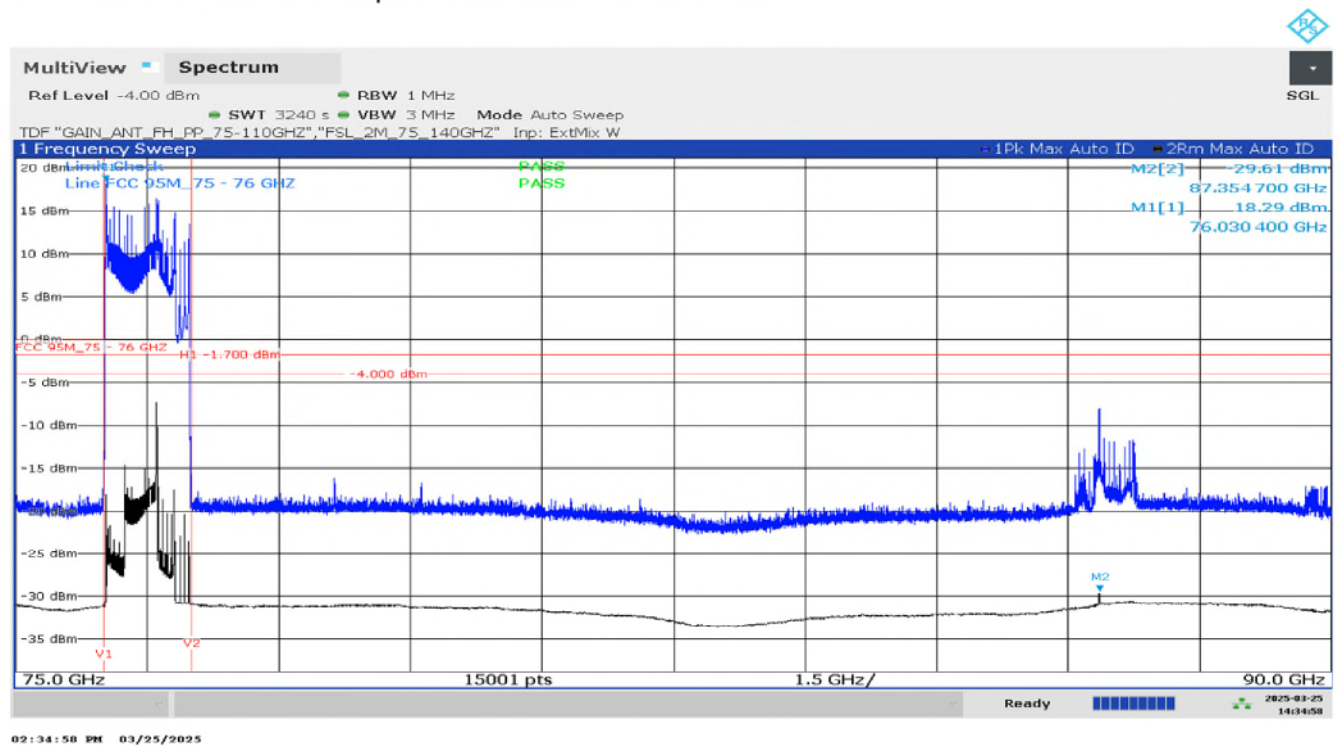
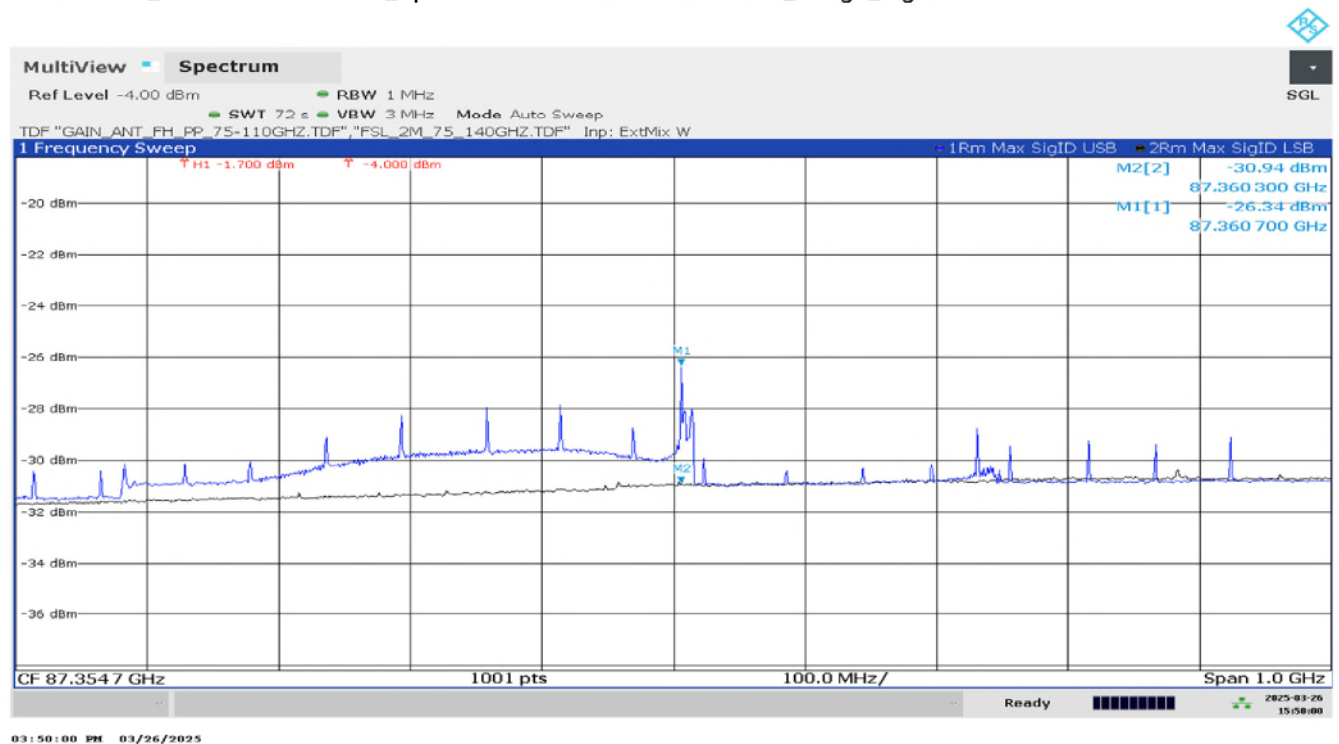


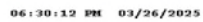
75 GHz – 110 GHz

TID114a_24-1-0046401T001_Spurios Emissions 75GHz - 90GHz

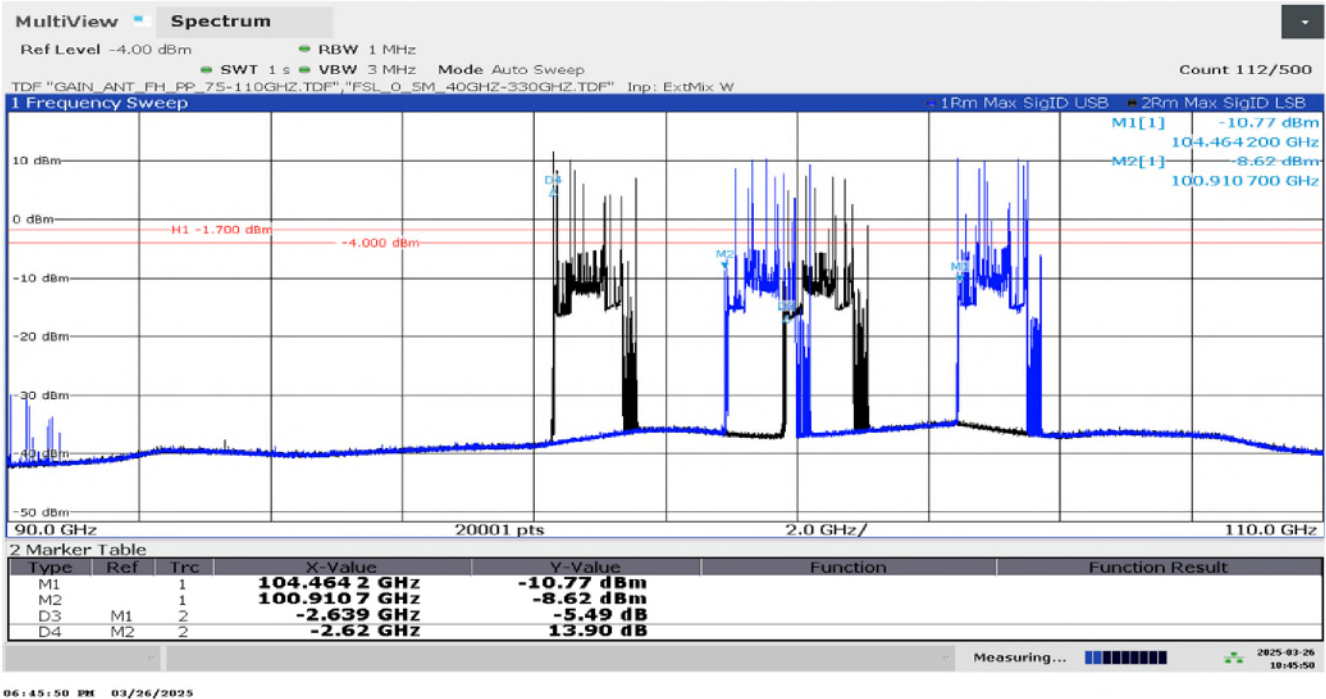


TID114a-01_24-1-0046401T001_Spurios Emissions 87.3547 GHz_image_signal



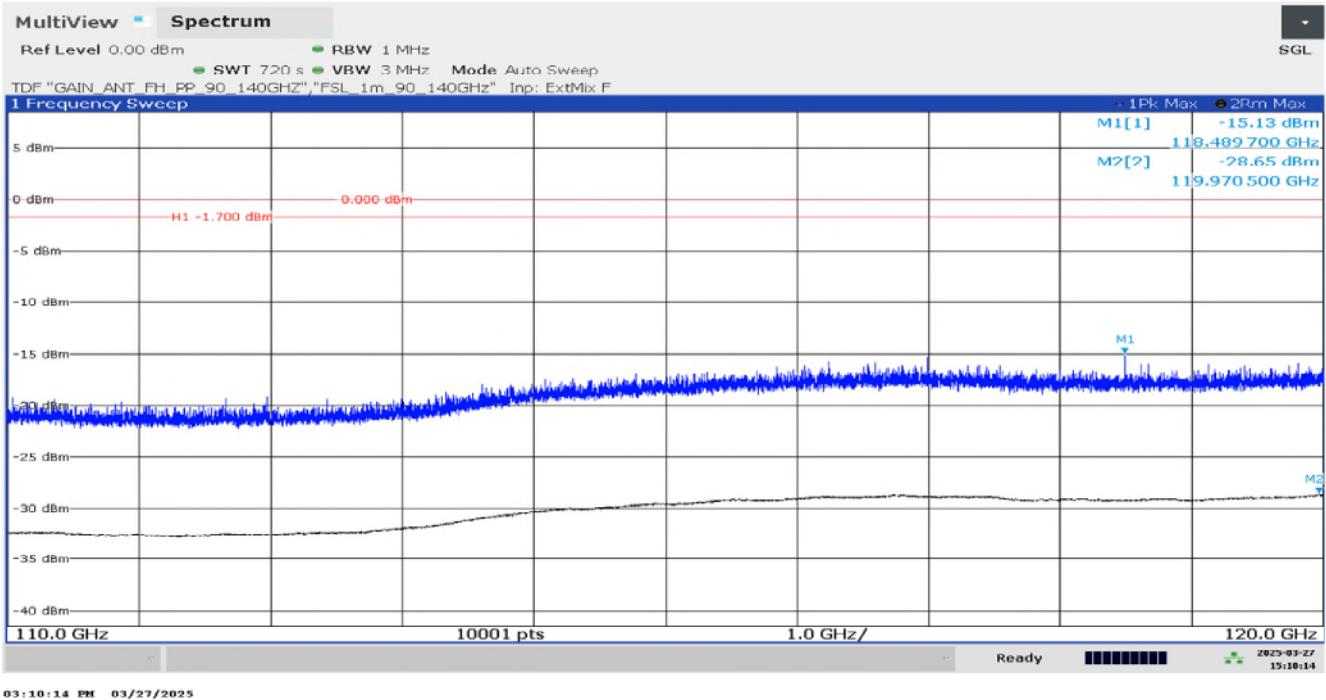


TID115a-02_24-1-0046401T001_Spurios Emissions 90GHz - 110GHz_cont_sweep_image_signal_verified

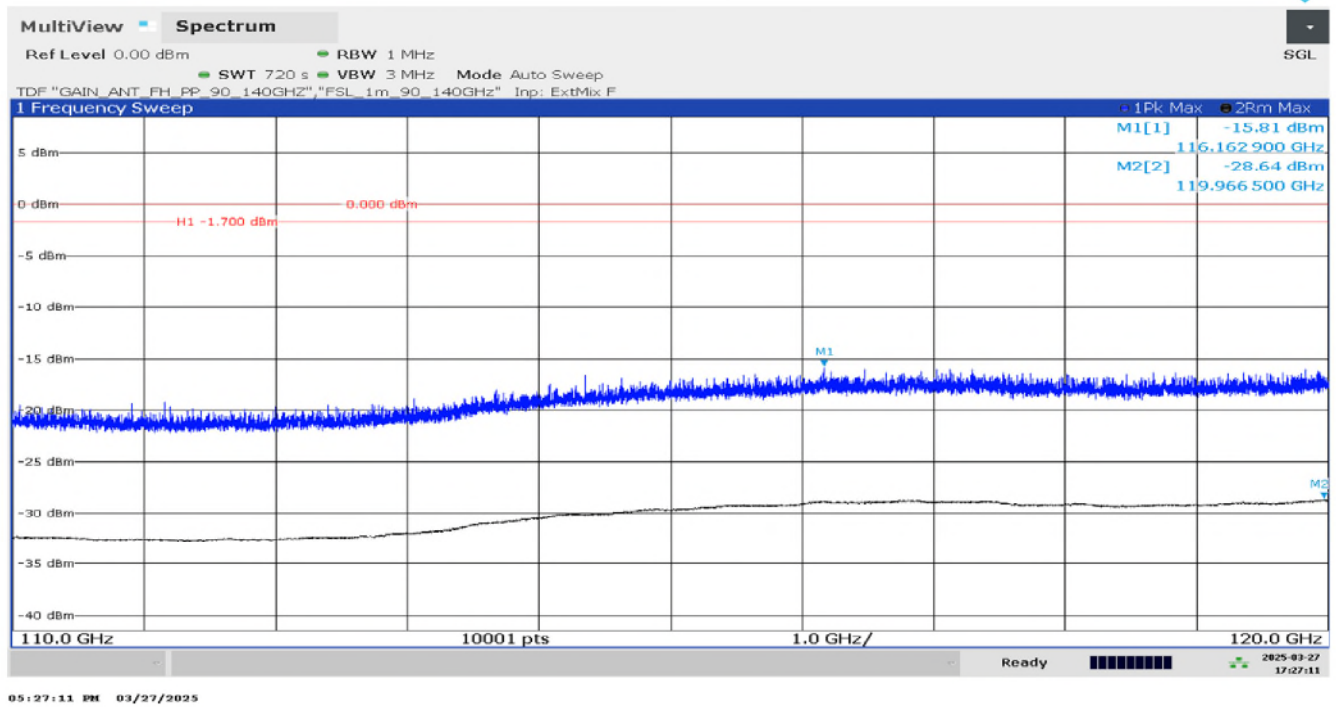


110 GHz – 140 GHz

TID116a_24-1-0046401T001_Spurios Emissions 110GHz - 120GHz_AntH



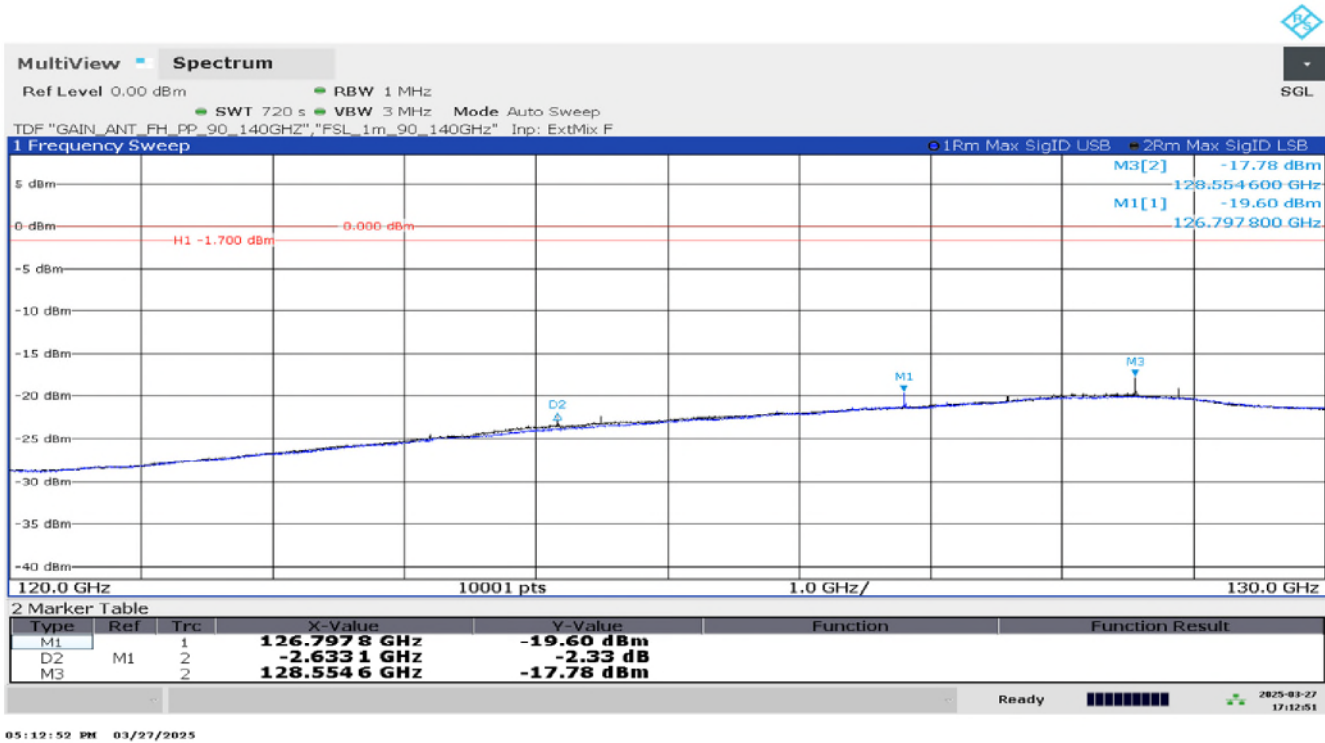
TID116b_24-1-0046401T001_Spurios Emissions 110GHz - 120GHz_AntV



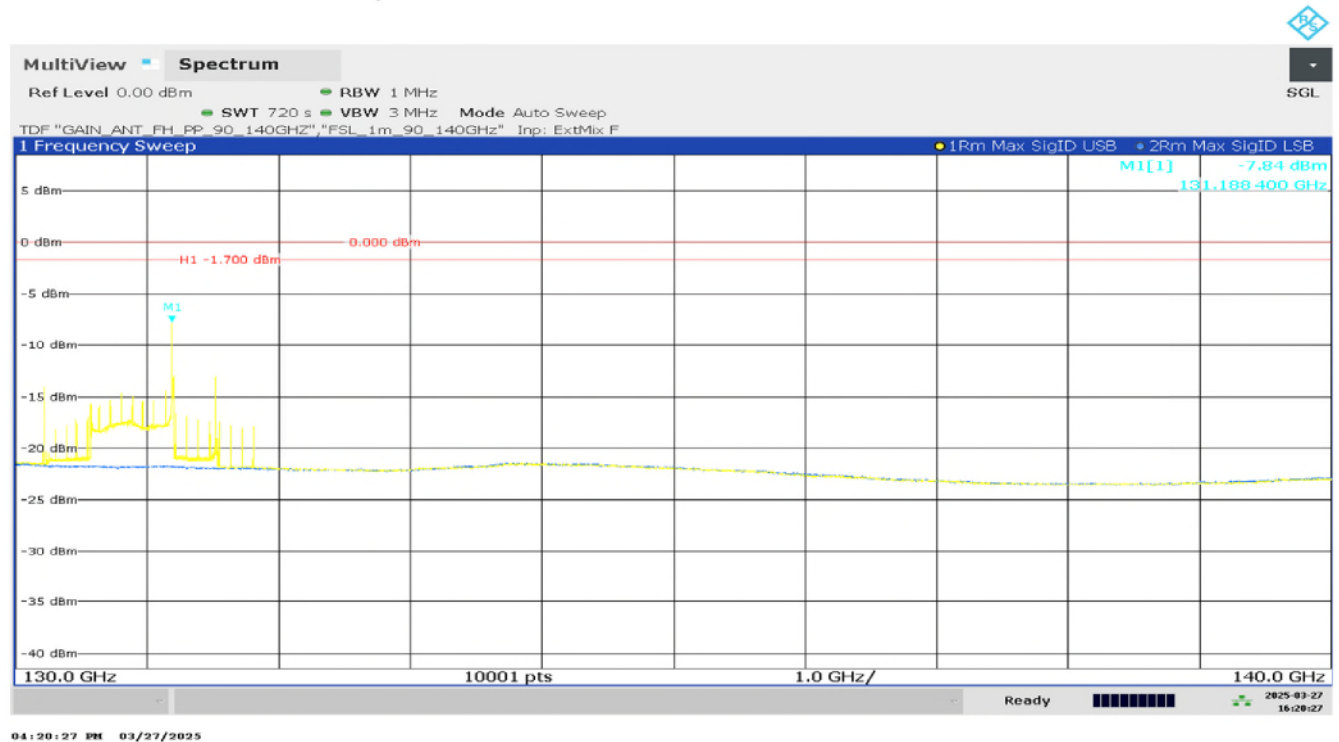
TID117a_24-1-0046401T001_Spurios Emissions 120GHz - 130GHz_AntH



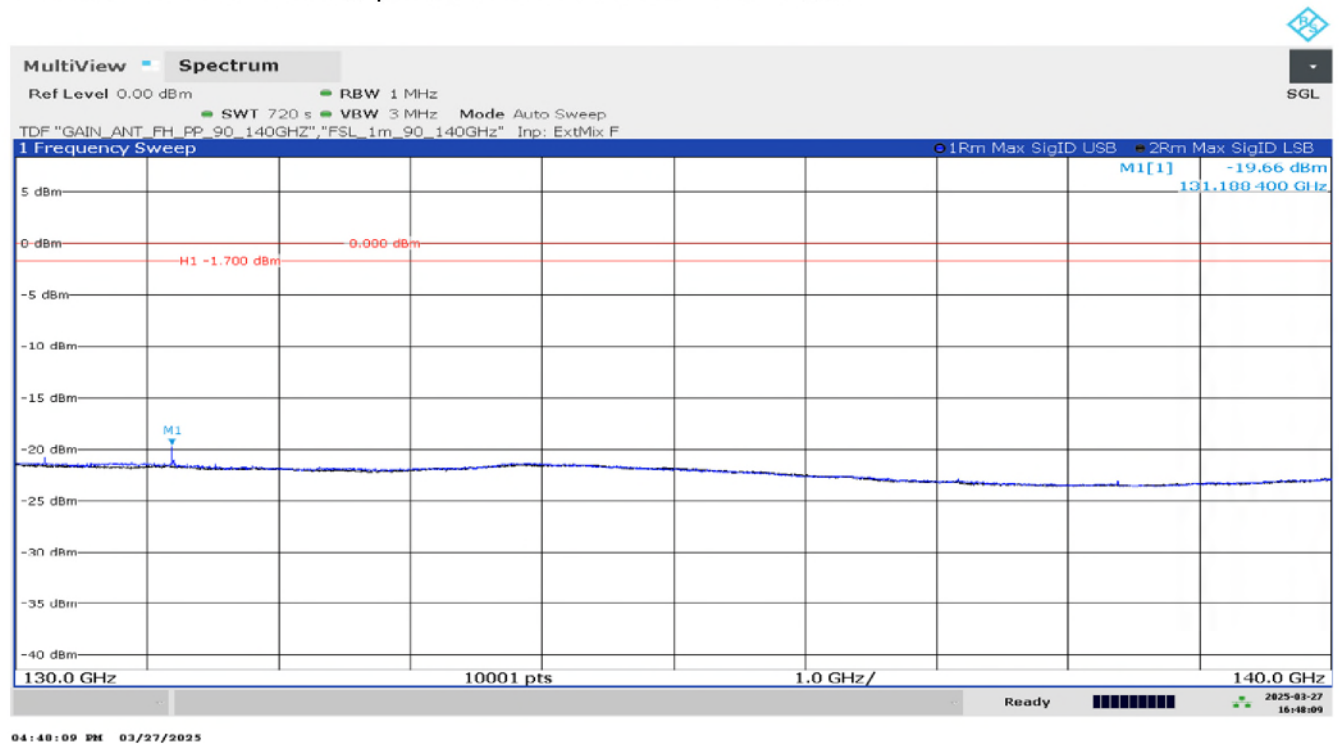
TID117b_24-1-0046401T001_Spurios Emissions 120GHz - 130GHz_AntV



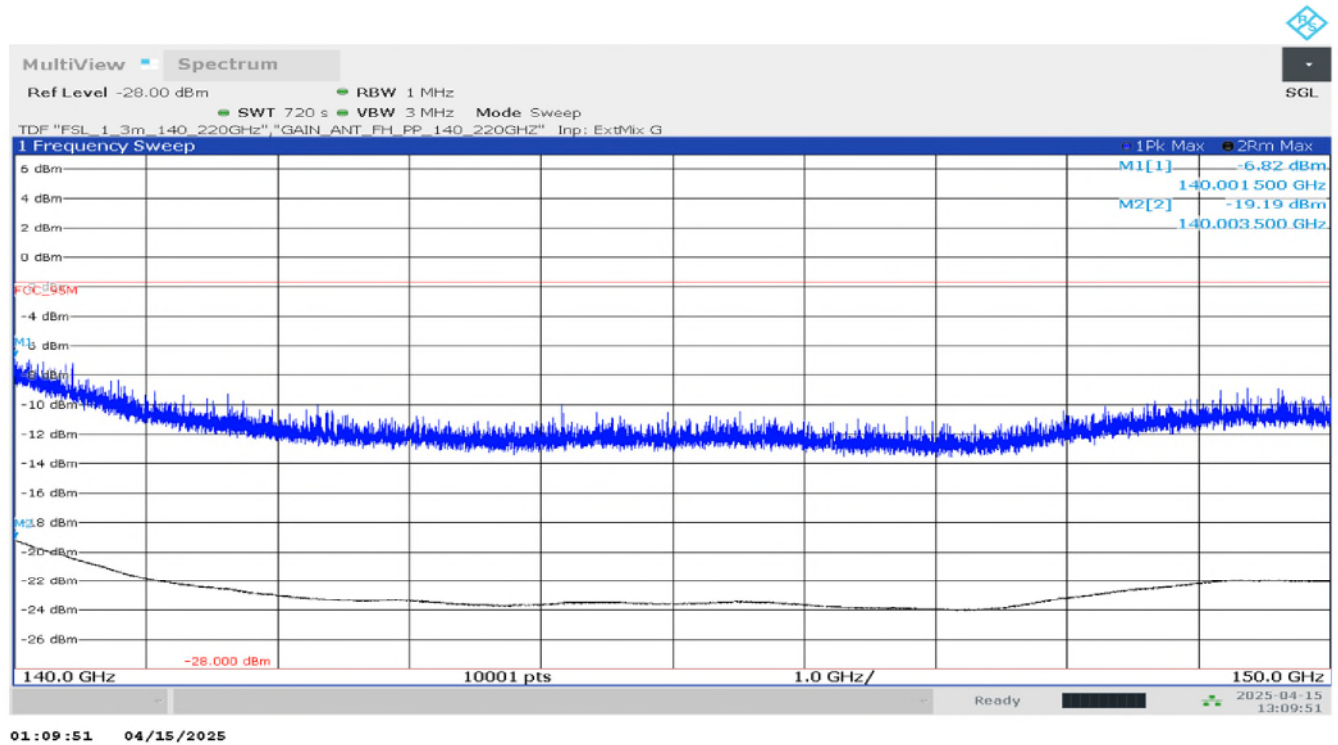
TID118a_24-1-0046401T001_Spurios Emissions 130GHz - 140GHz_AntH



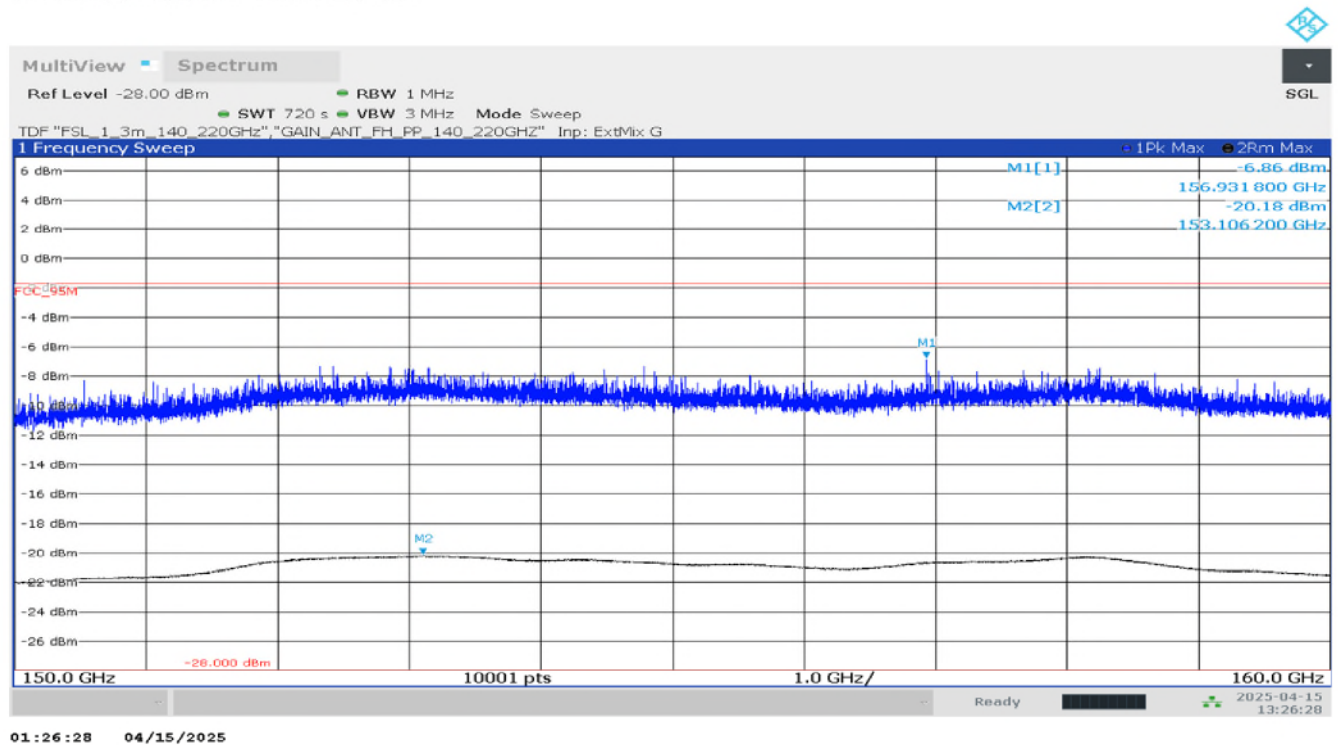
TID118b_24-1-0046401T001_Spurios Emissions 130GHz - 140GHz_AntV



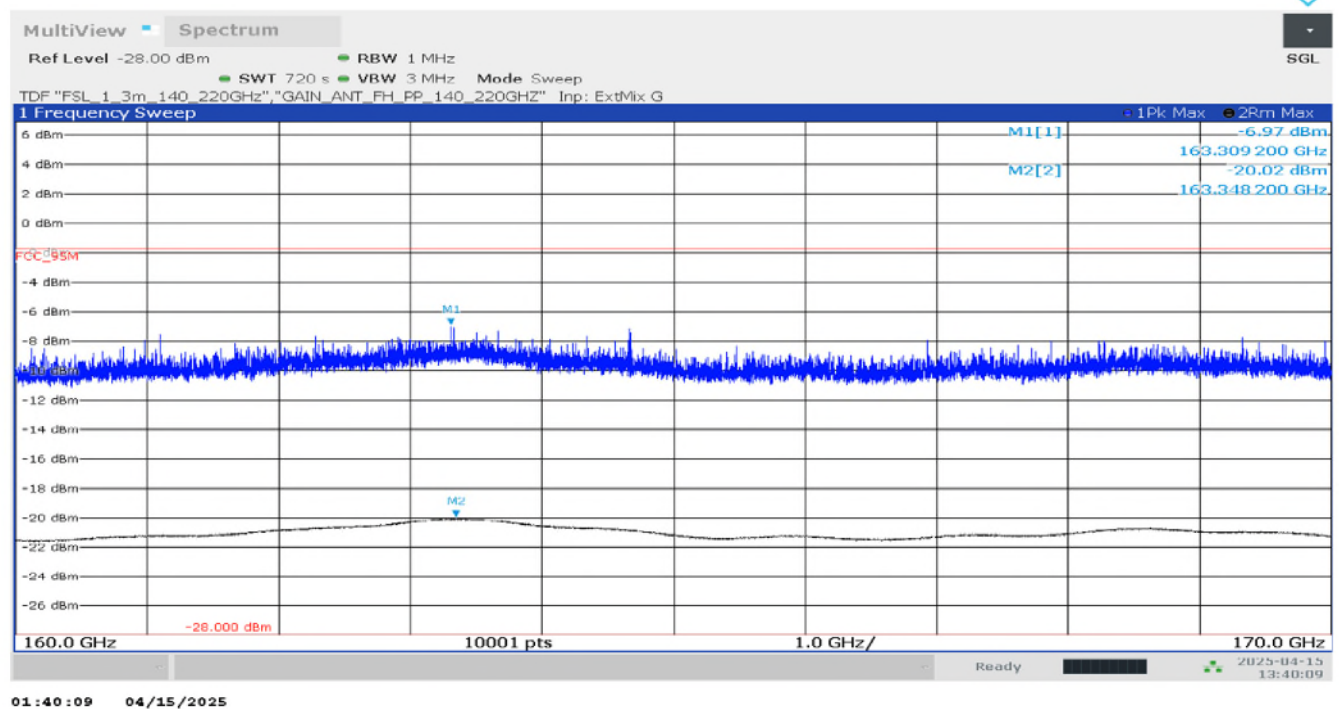
140 GHz – 220 GHz
TID119a_RSE_140G-150GHz_AntH



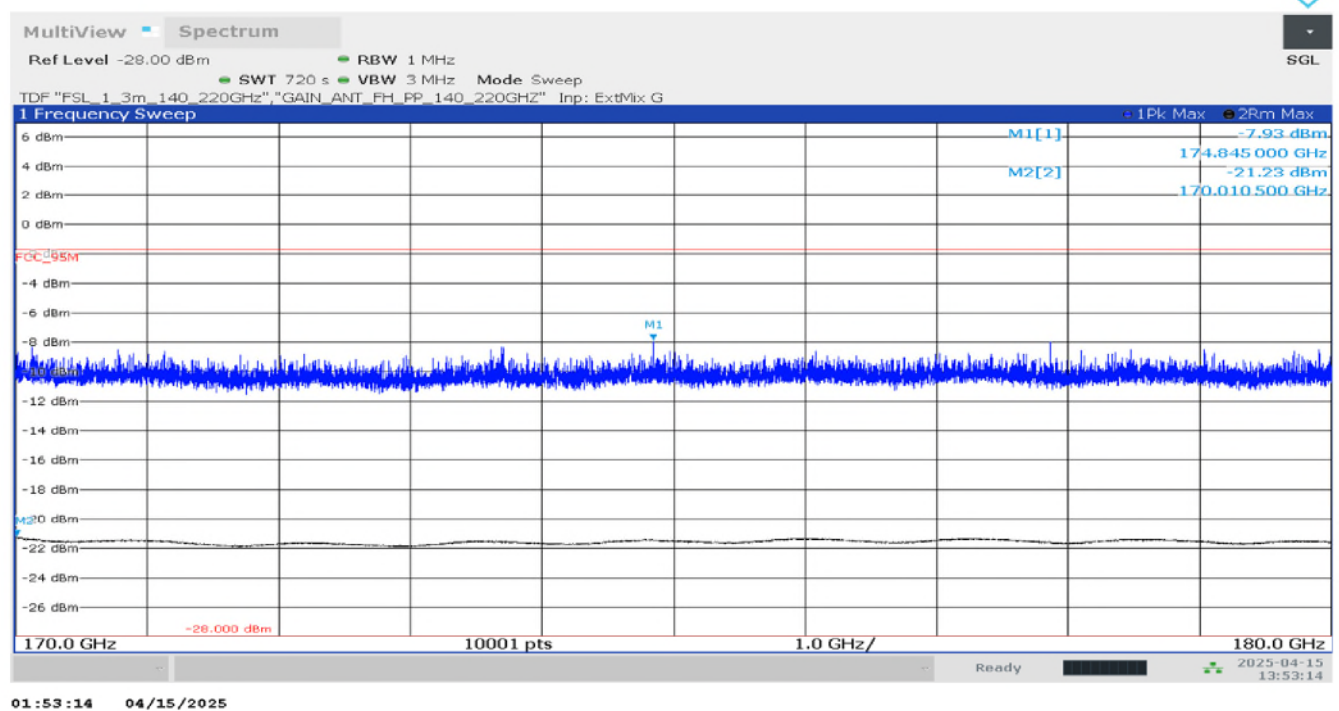
TID120a_RSE_150G-160GHz_AntH



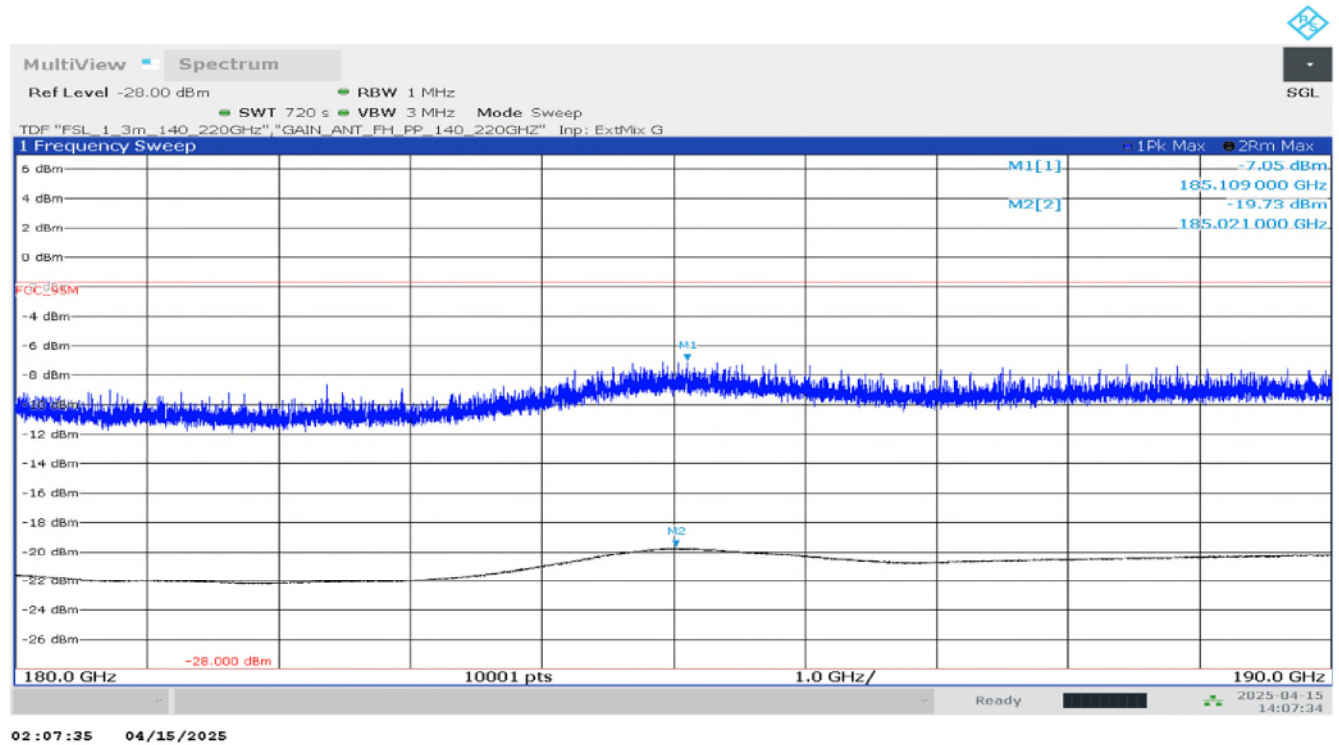
TID121a_RSE_160G-170GHz_AntH



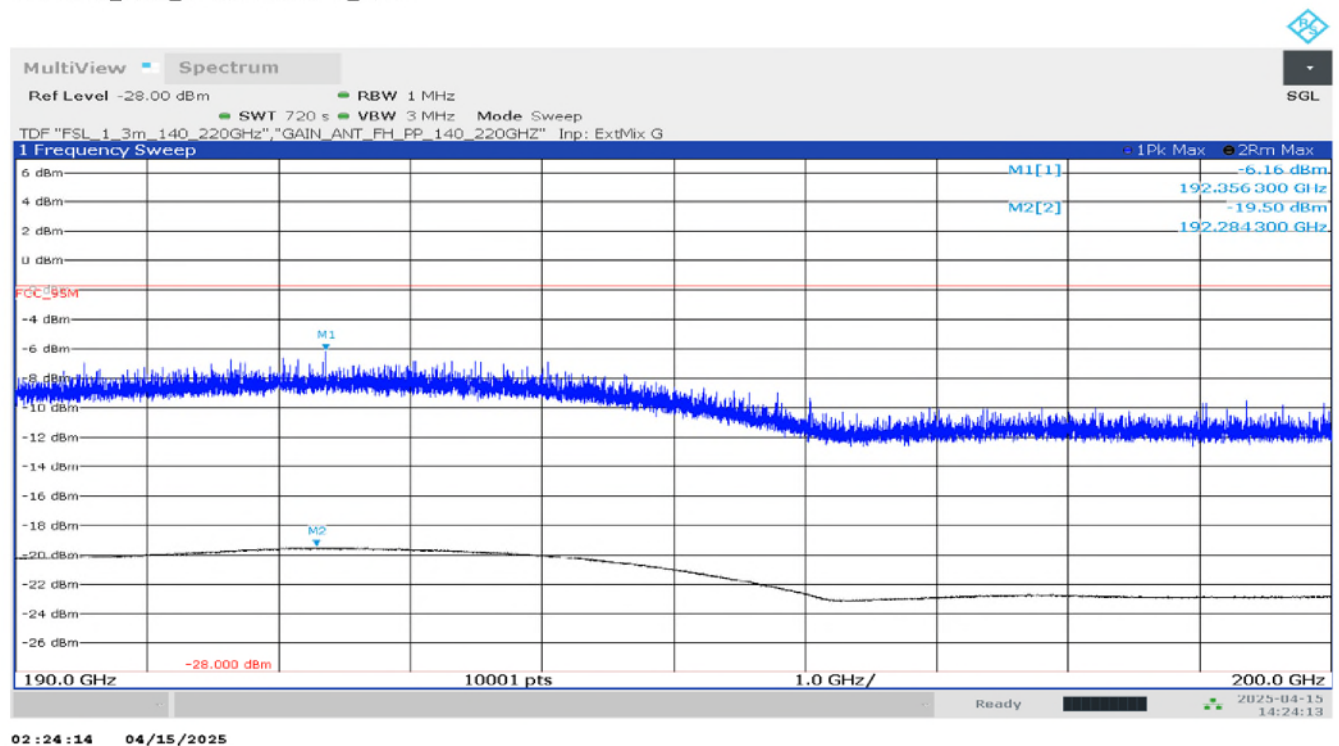
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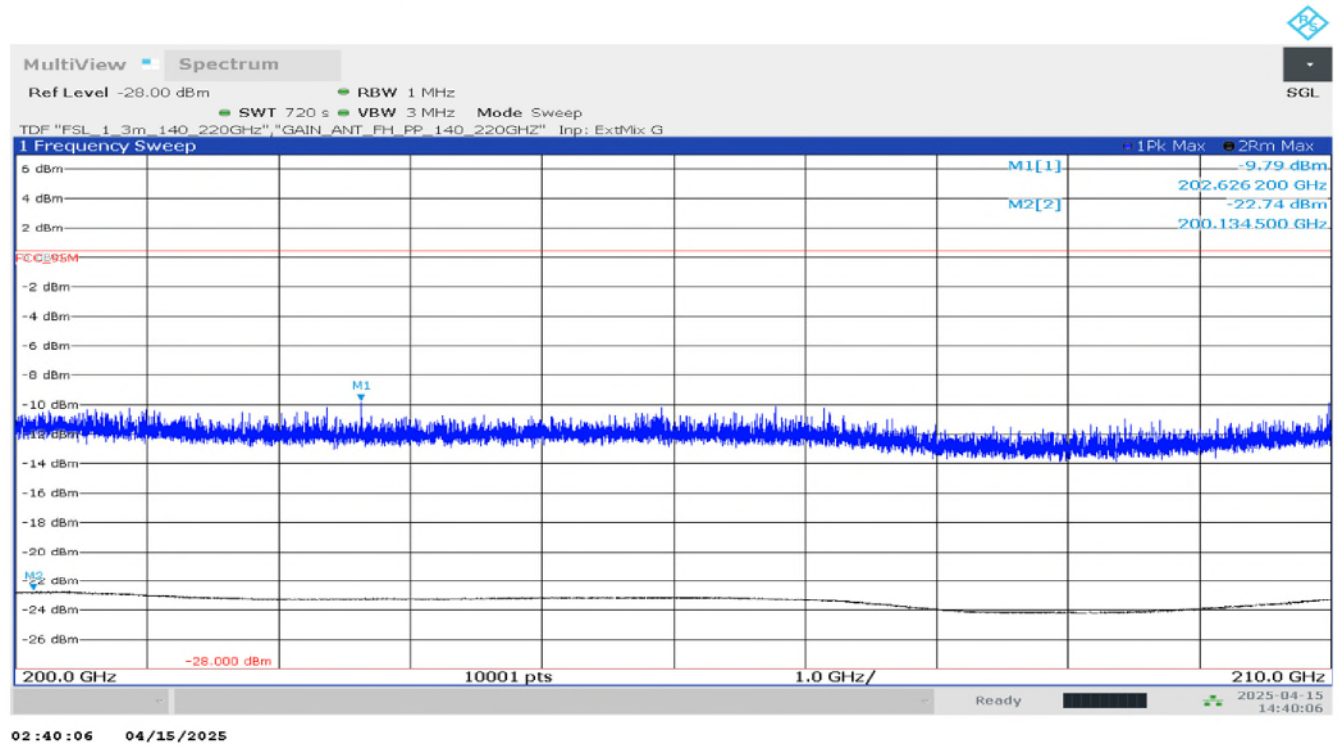
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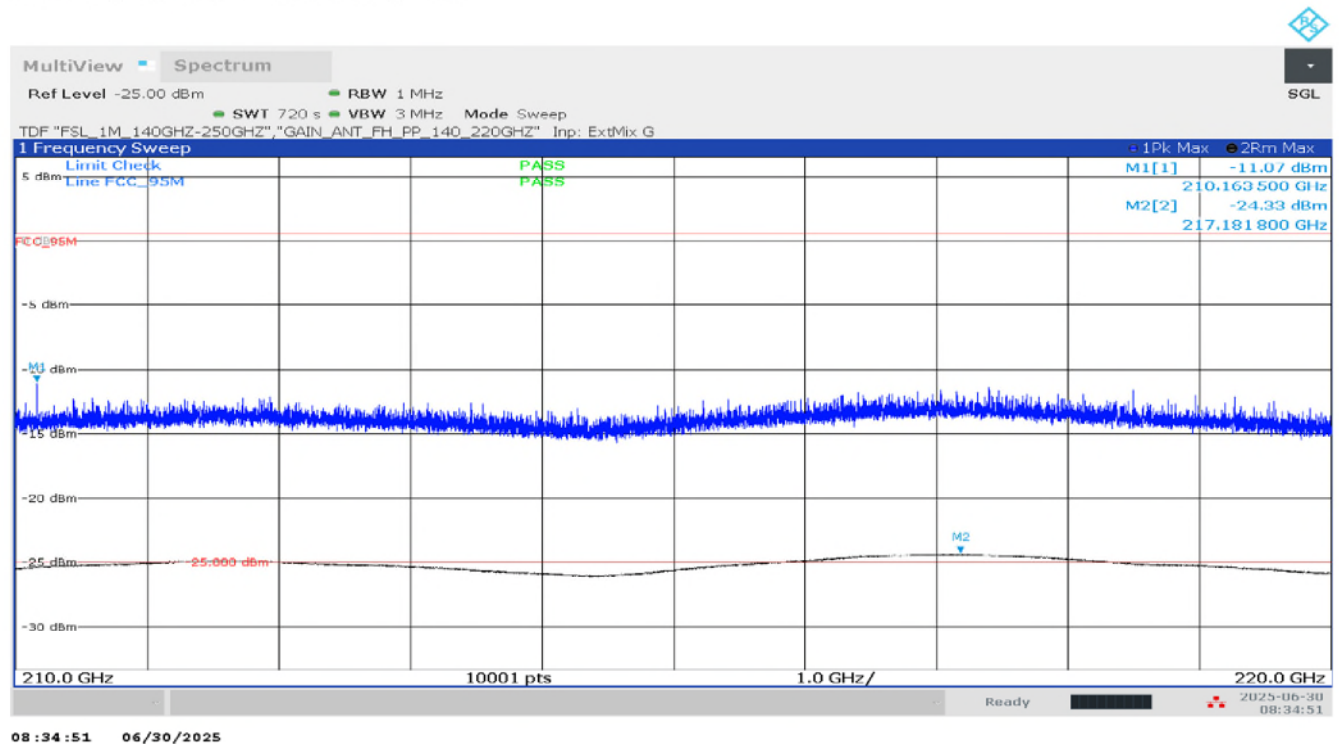
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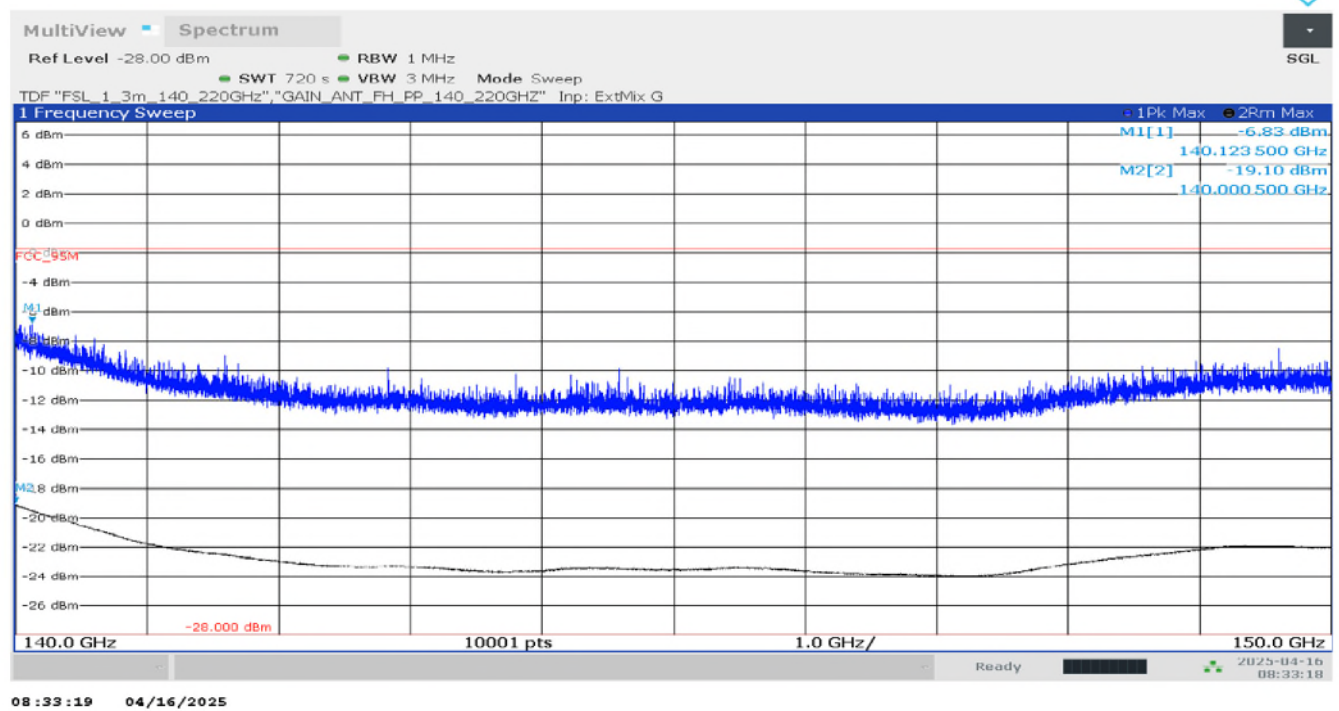
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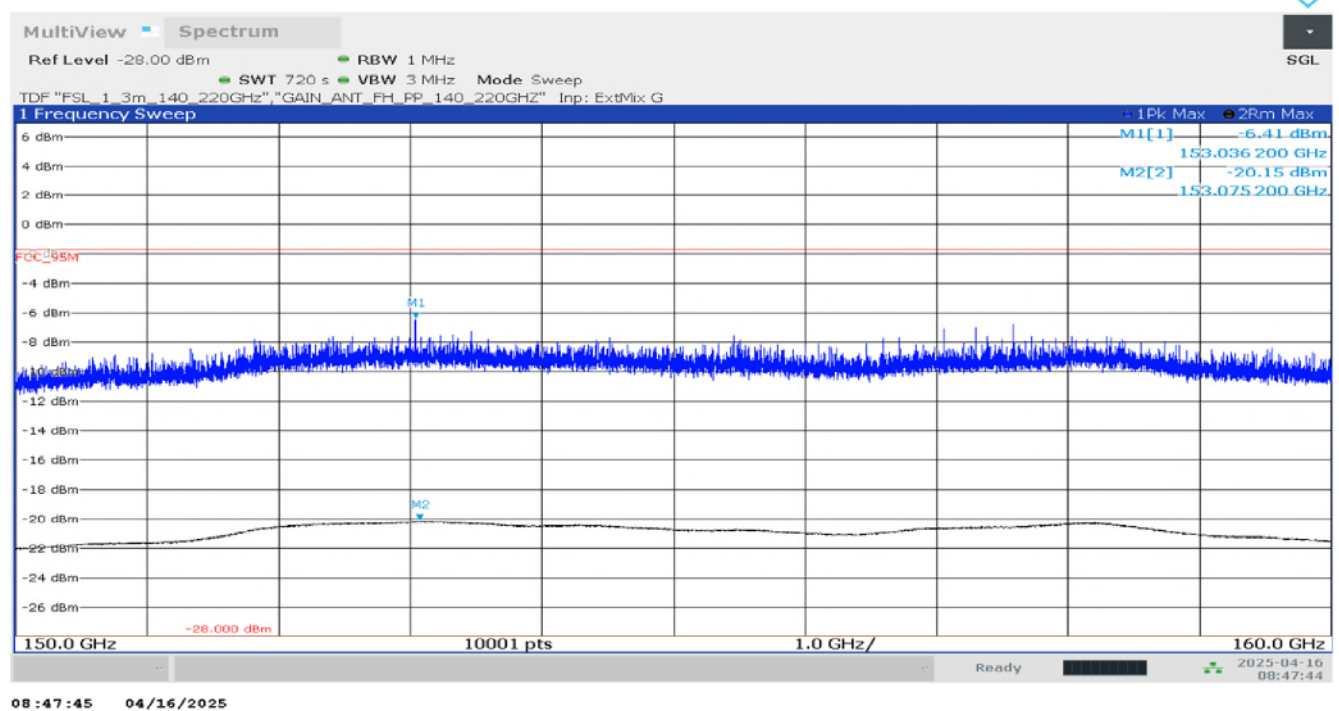
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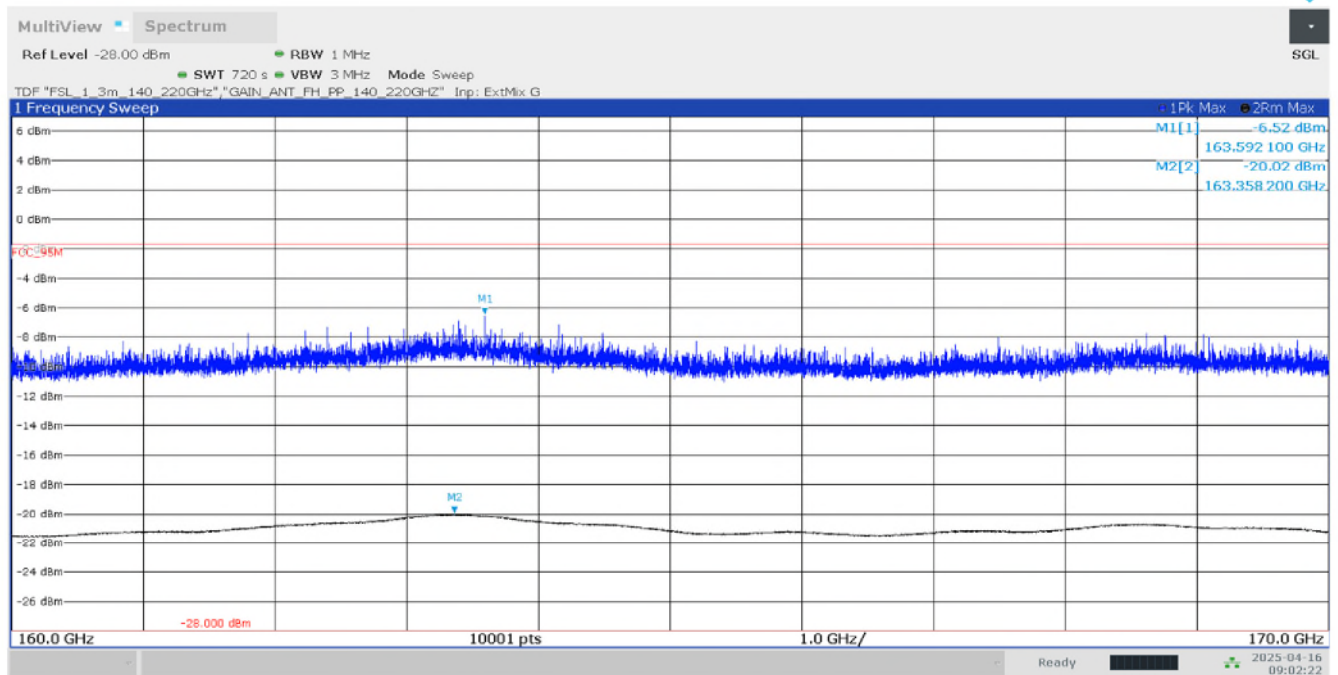
TID119b_RSE_140G-150GHz_AntV



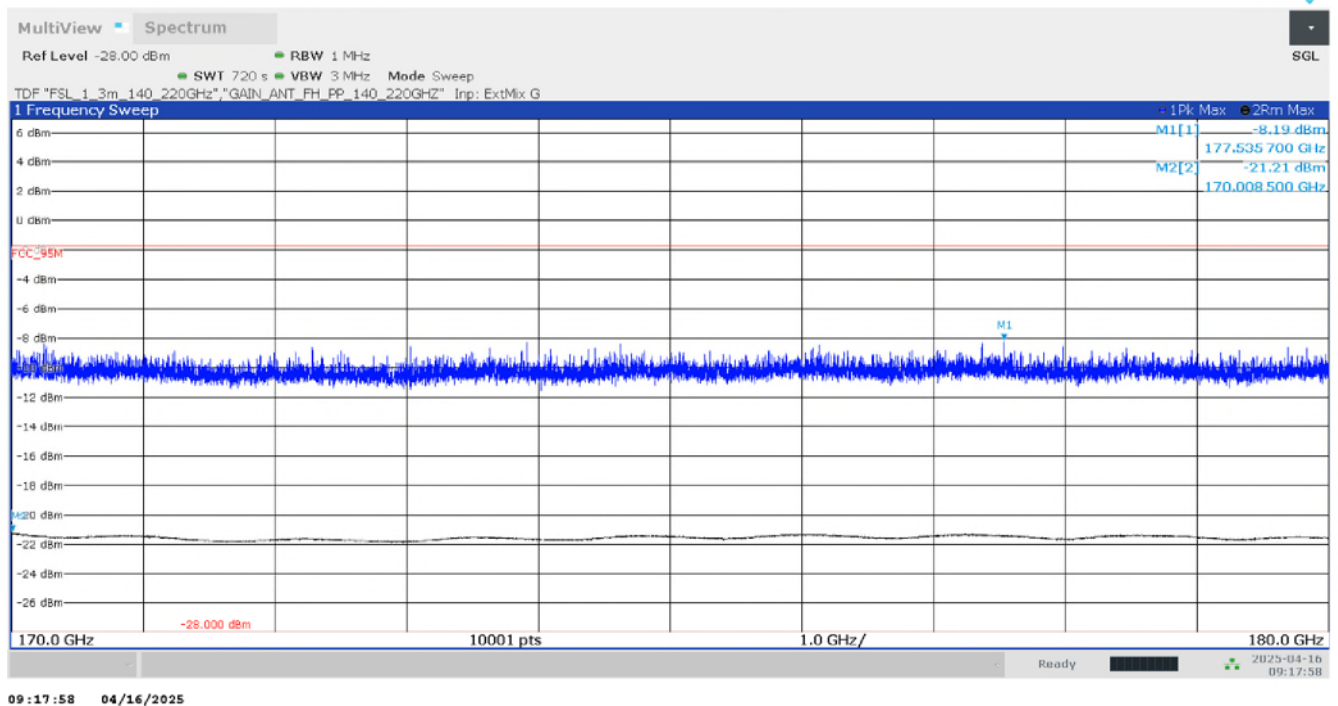
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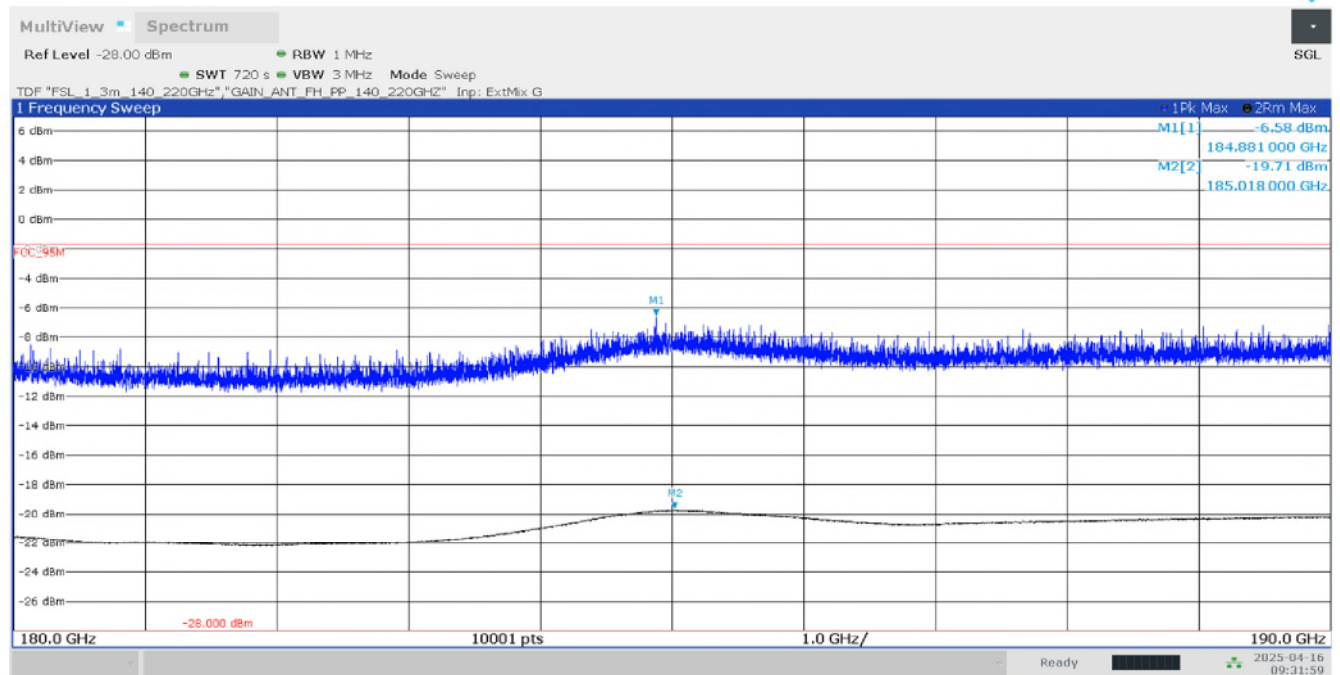
TID121b_RSE_160G-170GHz_AntV



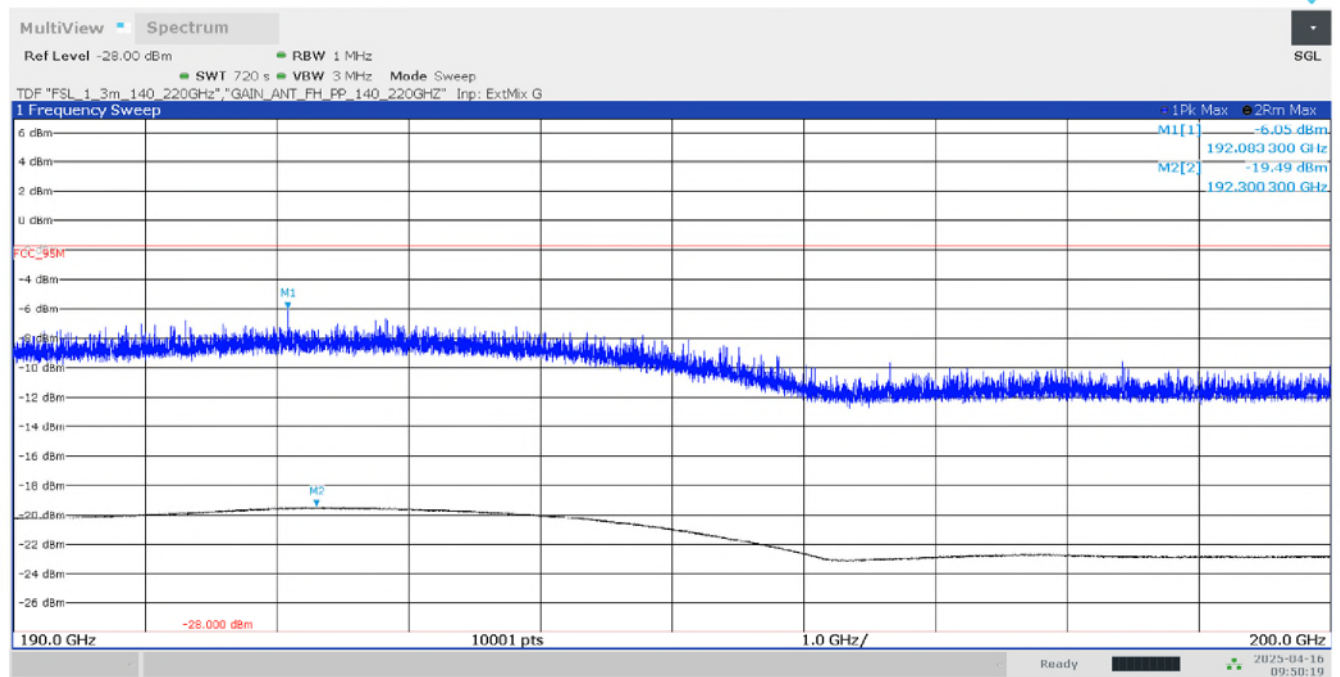
TID122b_RSE_170G-180GHz_AntV



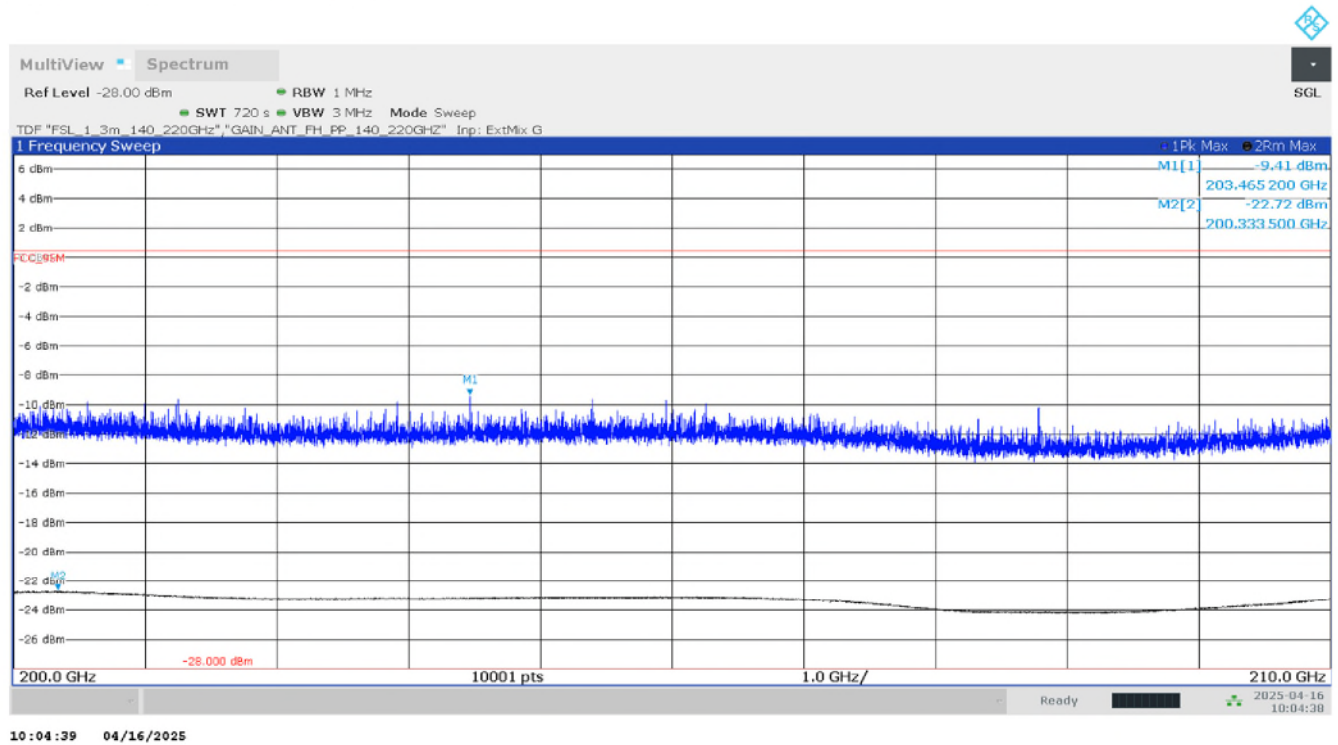
TID123b_RSE_180G-190GHz_AntV



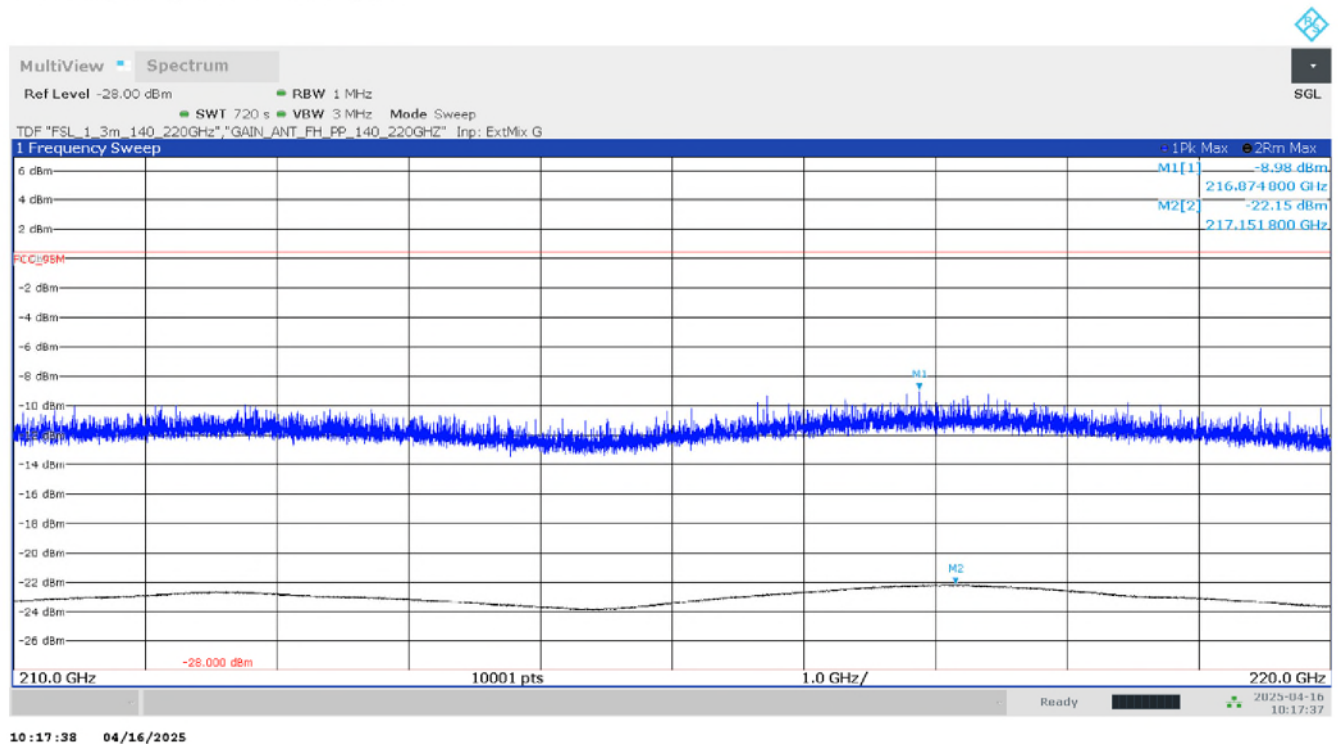
TID124b_RSE_190G-200GHz_AntV



TID125b_RSE_200G-210GHz_AntV

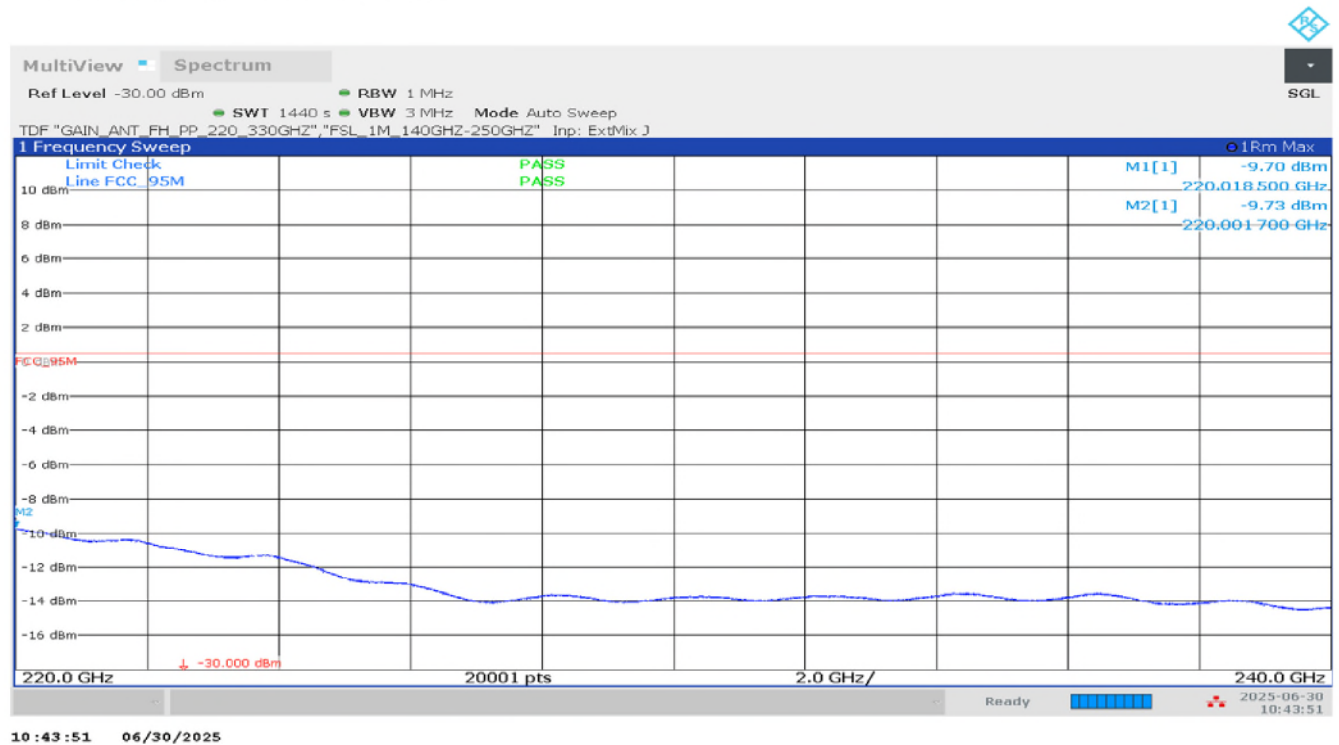


TID126b_RSE_210G-220GHz_AntV

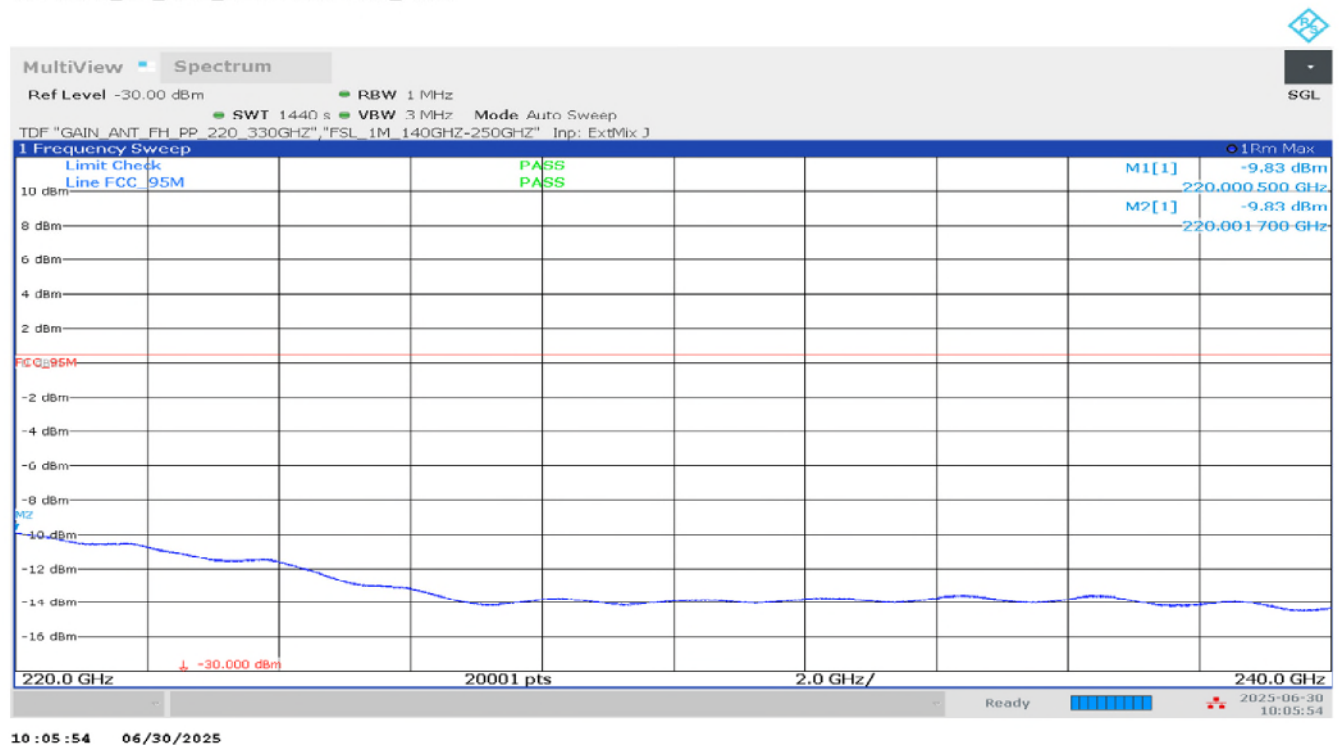


220 GHz – 243 GHz

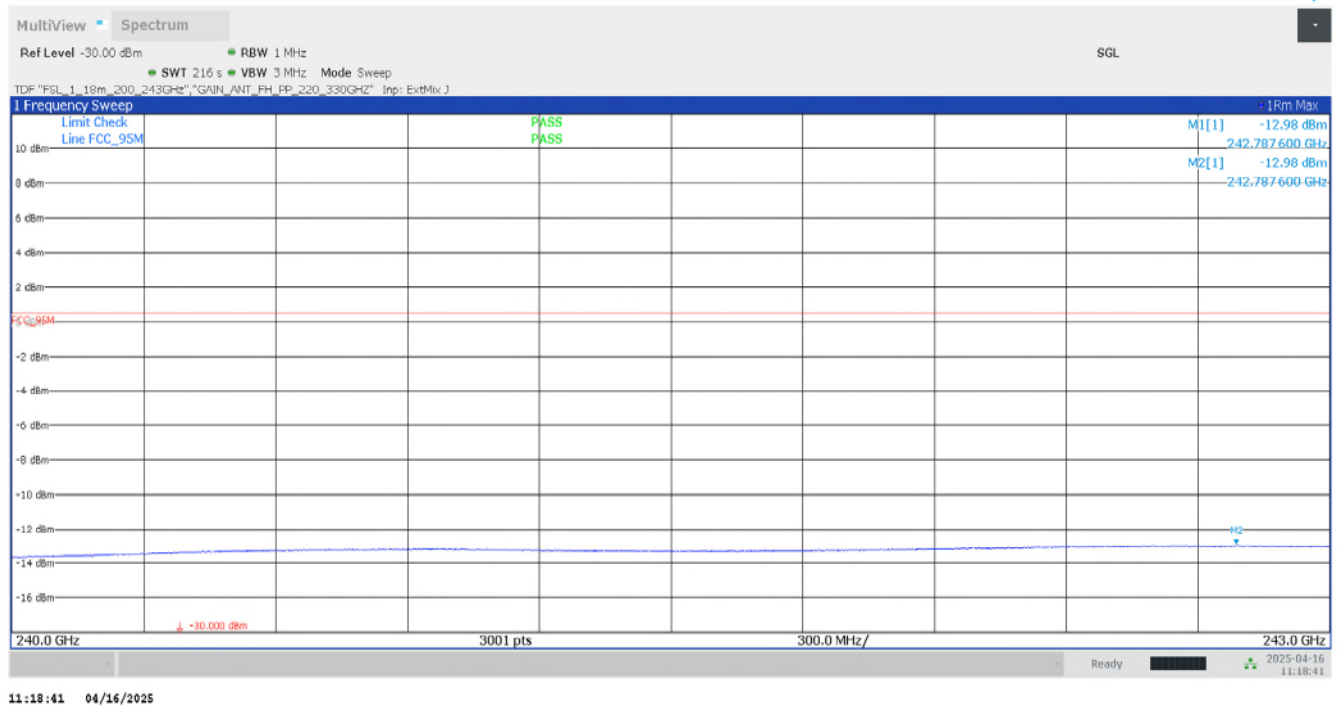
TID127a_02_RSE_220G-240GHz_AntH



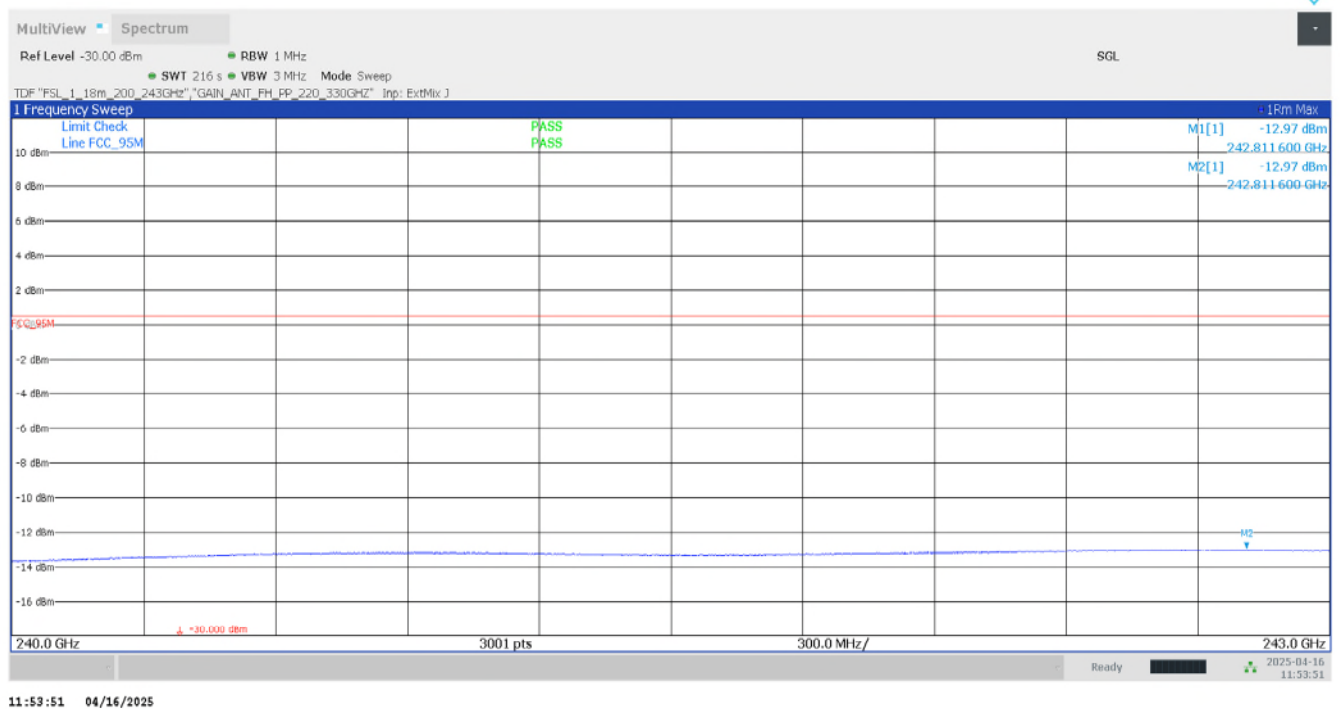
TID127b_02_RSE_220G-240GHz_AntV



TID128a_RSE_240G-243GHz_AntH



TID128b_RSE_240G-243GHz_AntV



12.6 Frequency stability

Description:

§95.3379 (b) Fundamental emissions must be contained within the frequency bands specified in this section during all conditions of operation. Equipment is presumed to operate over the temperature range -20 to +50 degrees Celsius with an input voltage variation of 85% to 115% of rated input voltage, unless justification is presented to demonstrate otherwise.

Limits:

FCC
FCC §95.3379 (b)
The occupied bandwidth from intentional radiators operated within the specified frequency band shall comply with the following:
Frequency range
76 GHz – 81 GHz

Measurement:

Parameters	
Detector:	Pos-Peak
Resolution bandwidth:	50 MHz
Video bandwidth:	80 MHz
Trace-Mode:	Max Hold

Measurement results:

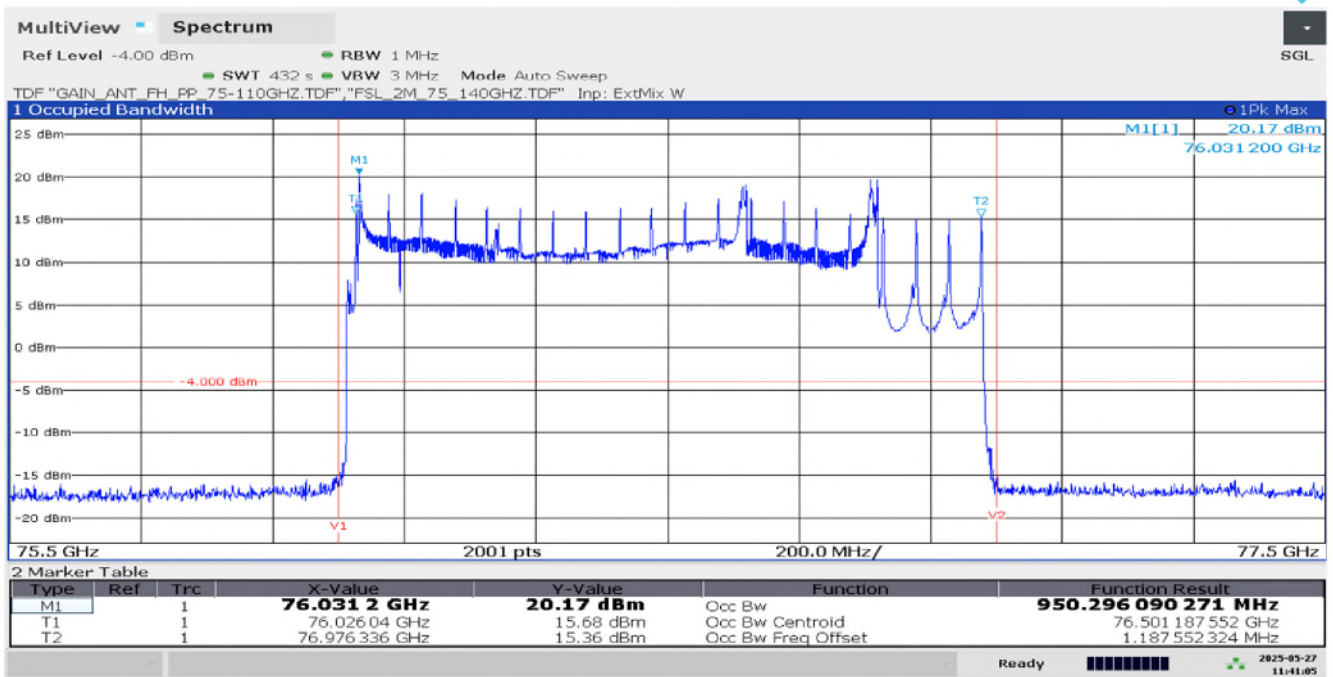
Test condition	Frequency f_L [GHz]	Frequency f_H [GHz]	Bandwidth [MHz]
-20 °C / V_{nom}	76.026	76.976	950.296
-10 °C / V_{nom}	76.024	76.977	953.929
0 °C / V_{nom}	76.022	76.975	952.735
10 °C / V_{nom}	76.015	76.976	961.004
20 °C(T_{nom}) / V_{nom}	76.016	76.970	954.171
20 °C / V_{min}	76.018	76.973	955.280
20 °C / V_{max}	76.017	76.976	958.860
30 °C / V_{nom}	76.016	76.976	960.199
40 °C / V_{nom}	76.015	76.971	956.287
50 °C / V_{nom}	76.011	76.975	964.925

Note:

- The EUT is tested in the temperature range from -20°C to 50°C specified by §95.3379 (b) and RSS Gen 6.11.
- If the operating temperature range of the device specified by the manufacturer exceeds the test temperature range (-20°C to +50°C), the customer is responsible for ensuring the frequency stability and proper functioning of the device within the extended operating temperature range.

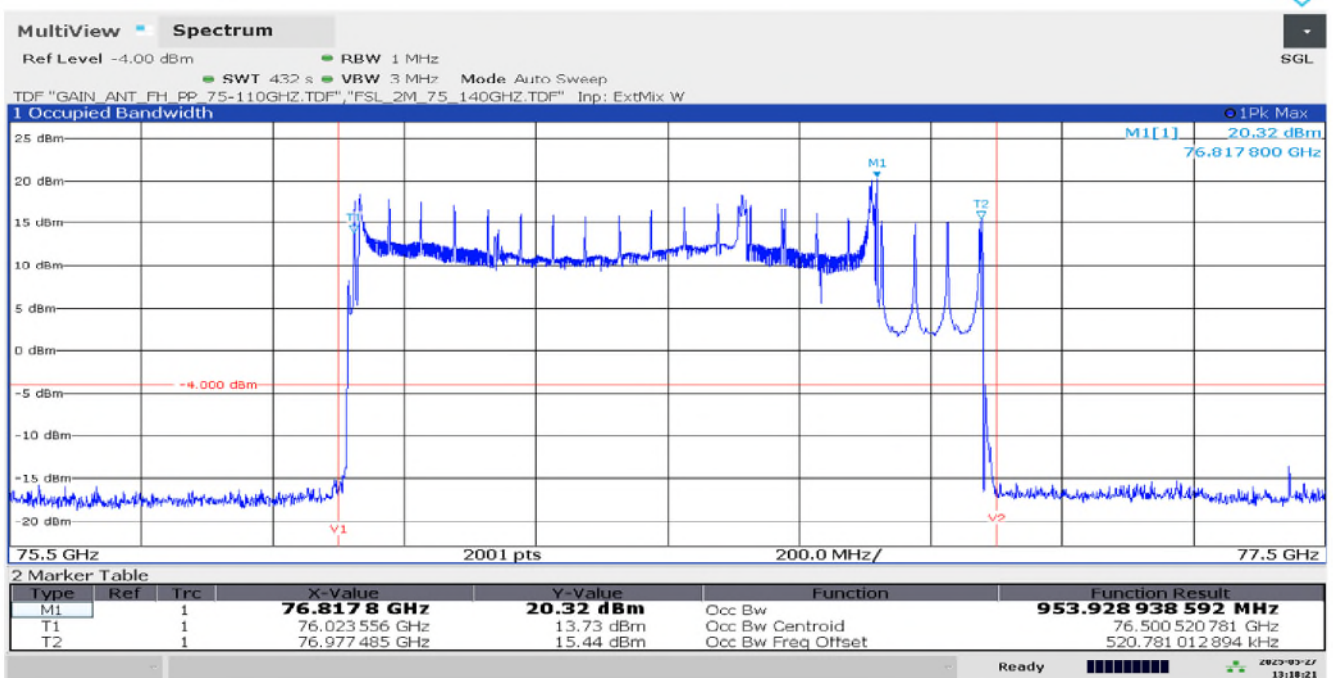
Verdict: Complies

TID102-11_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T(-)20°C



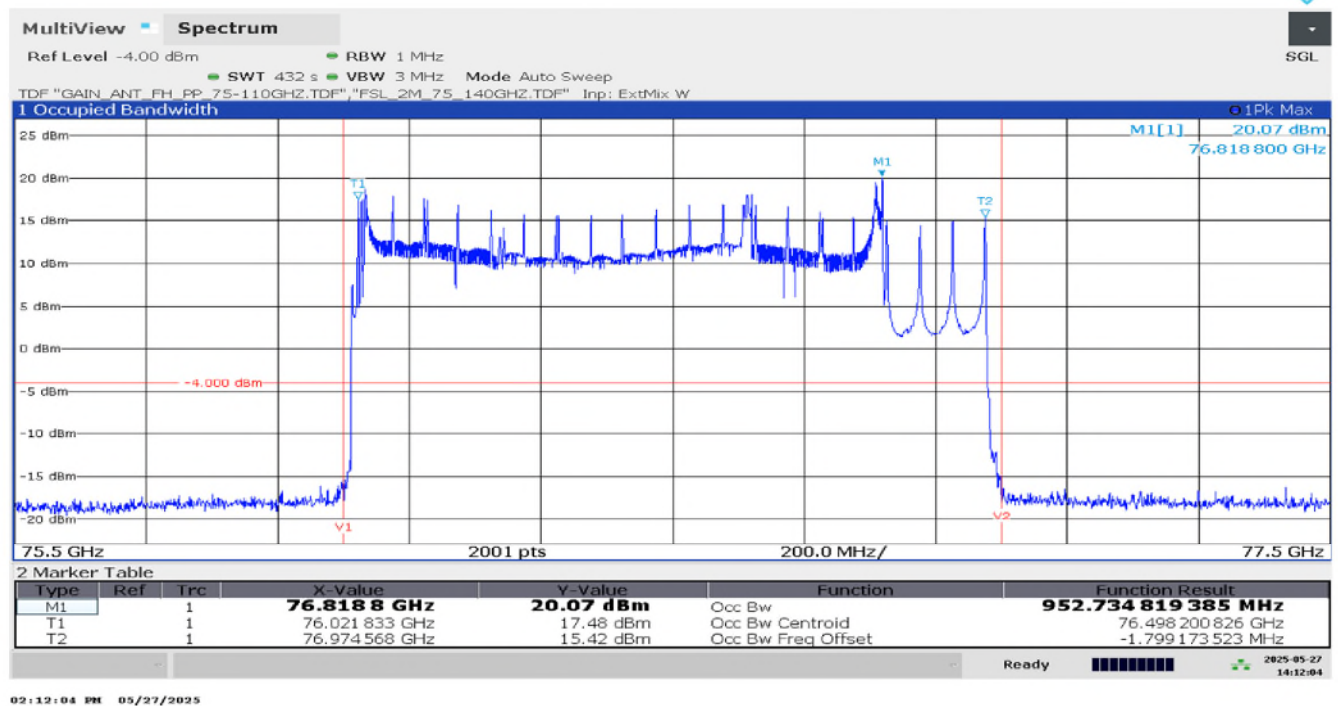
11:41:06 AM 05/27/2025

TID102-12_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T(-)10° C

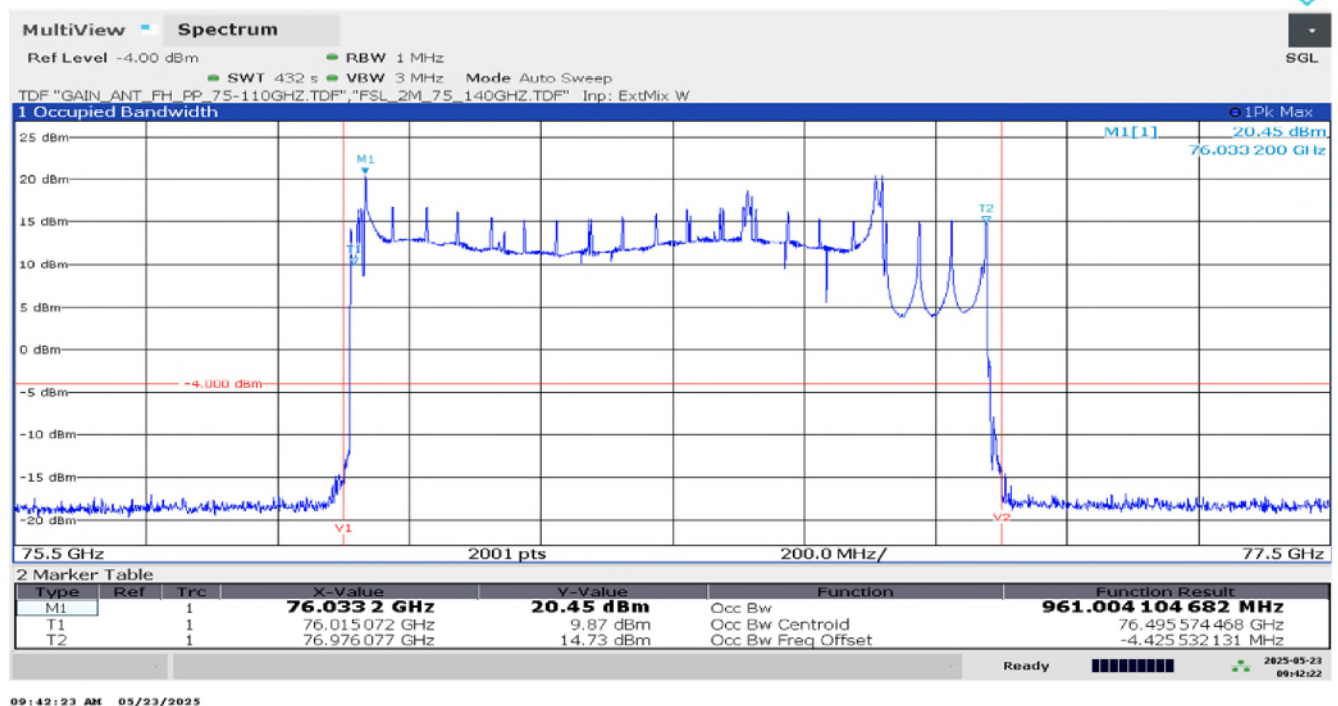


01:18:22 PM 05/27/2025

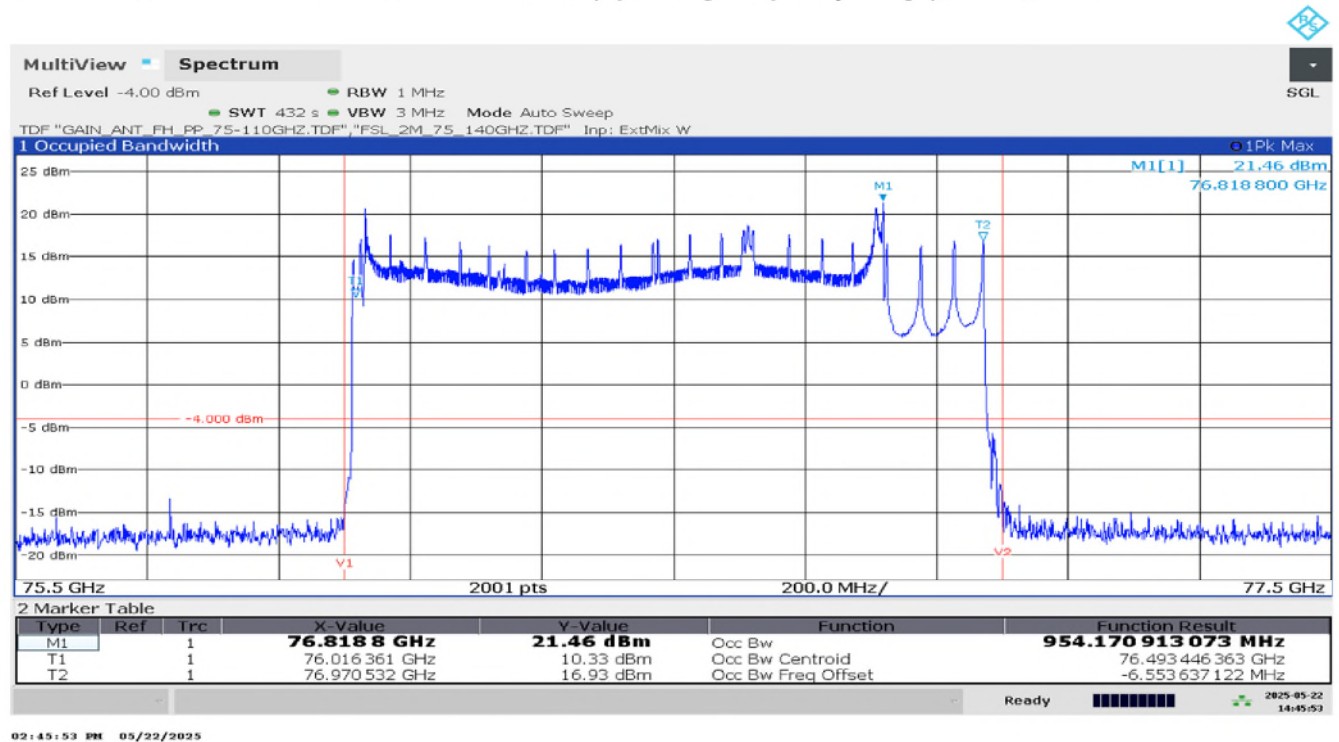
TID102-13_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T0°C



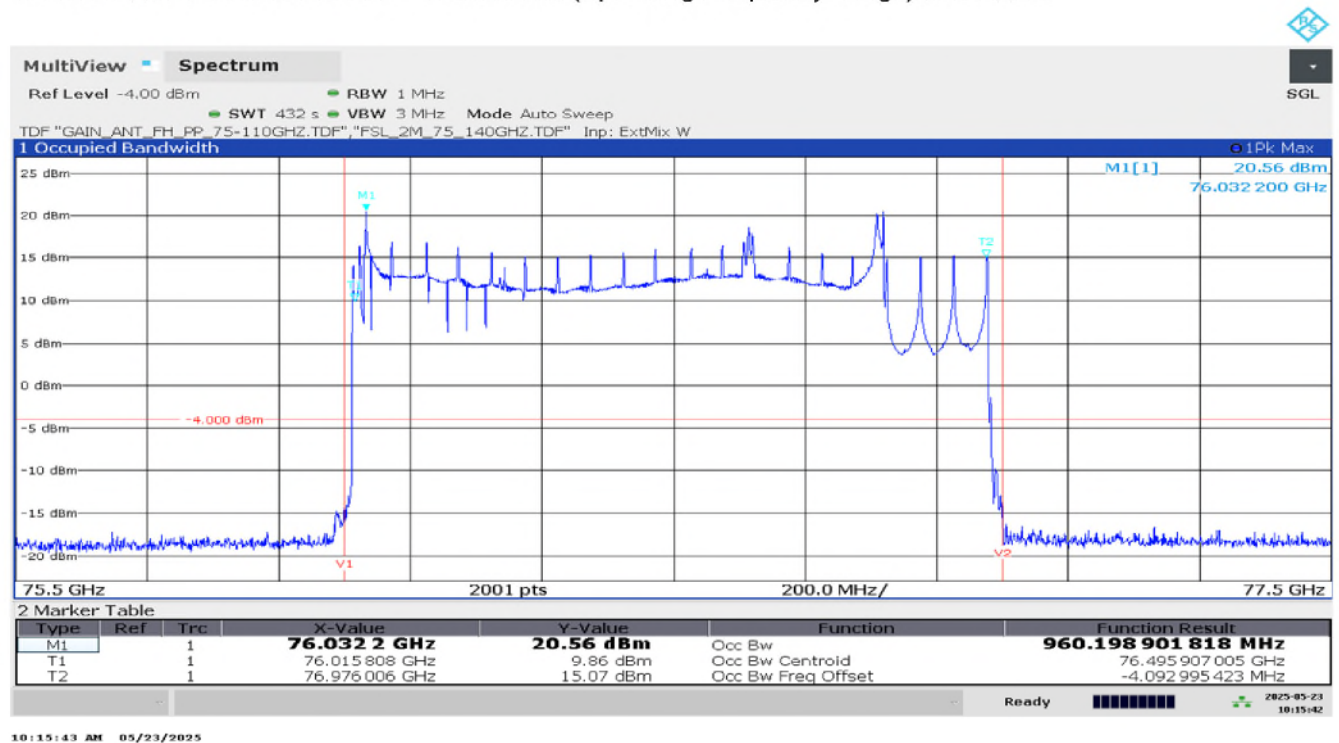
TID102-06_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T10°



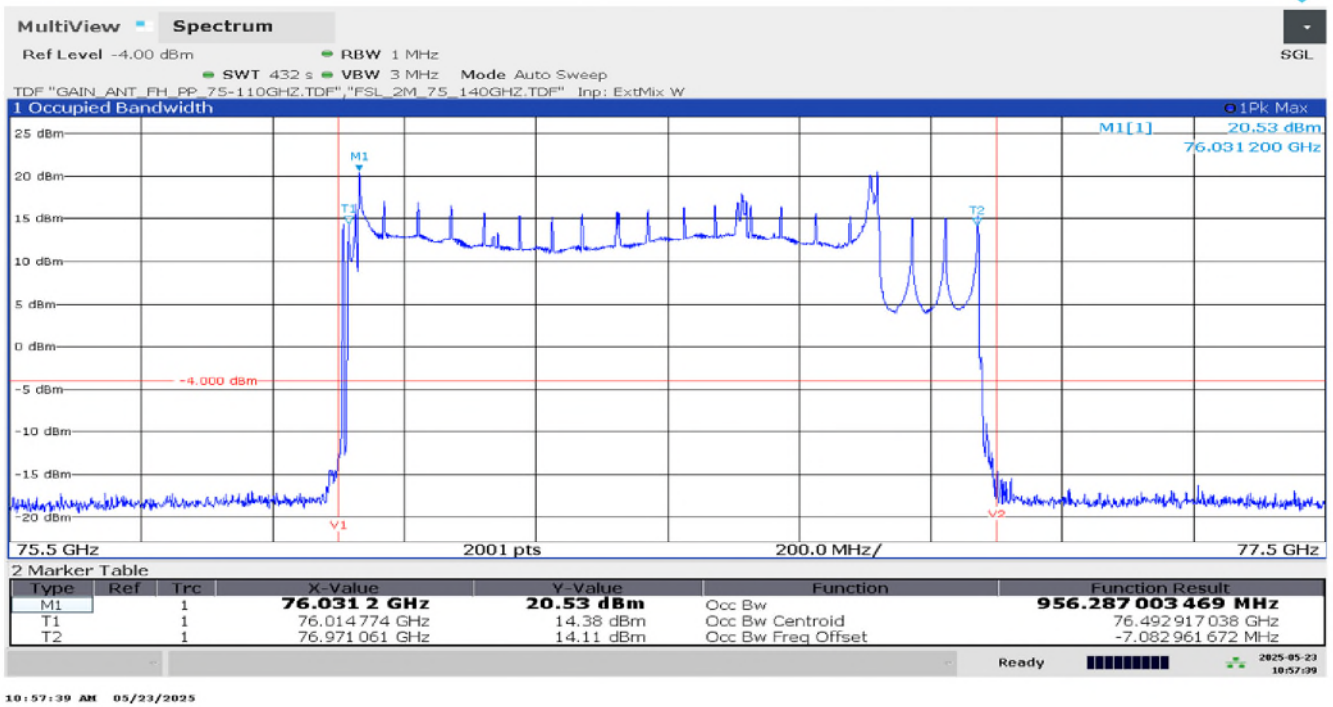
TID102-03_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_Tnom



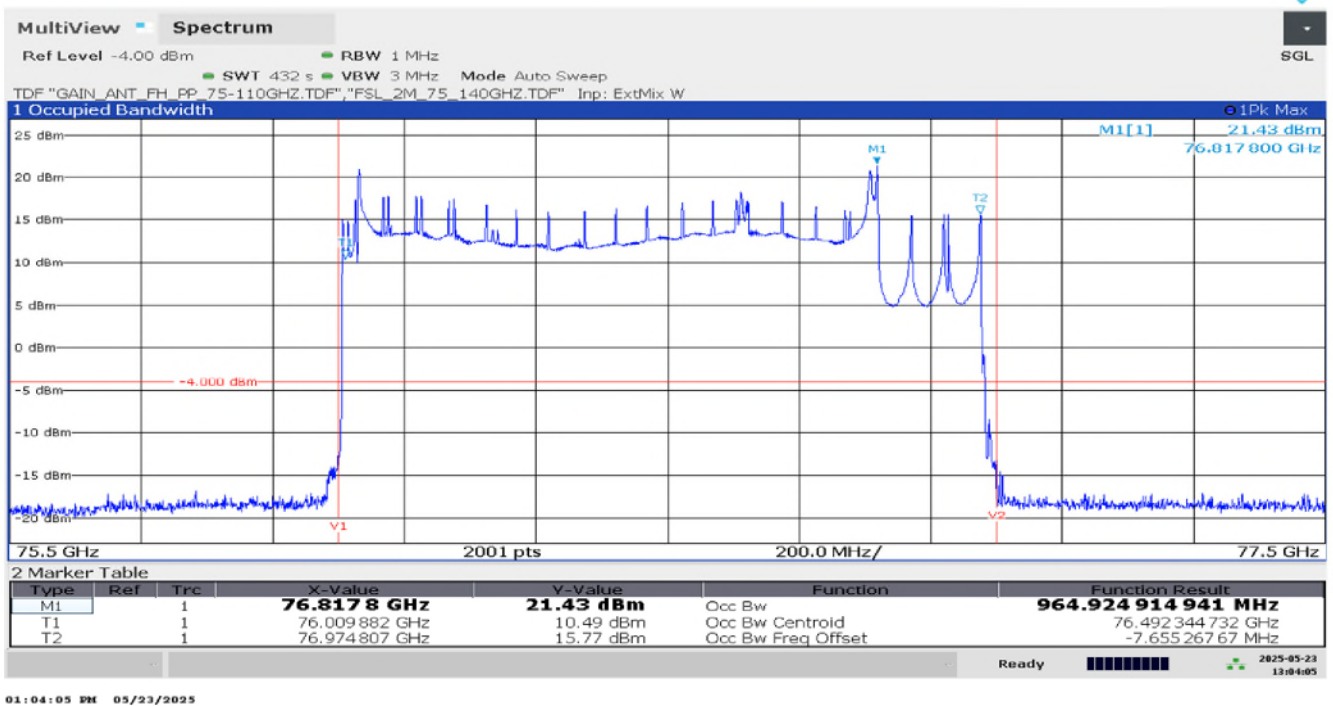
TID102-08_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T30°



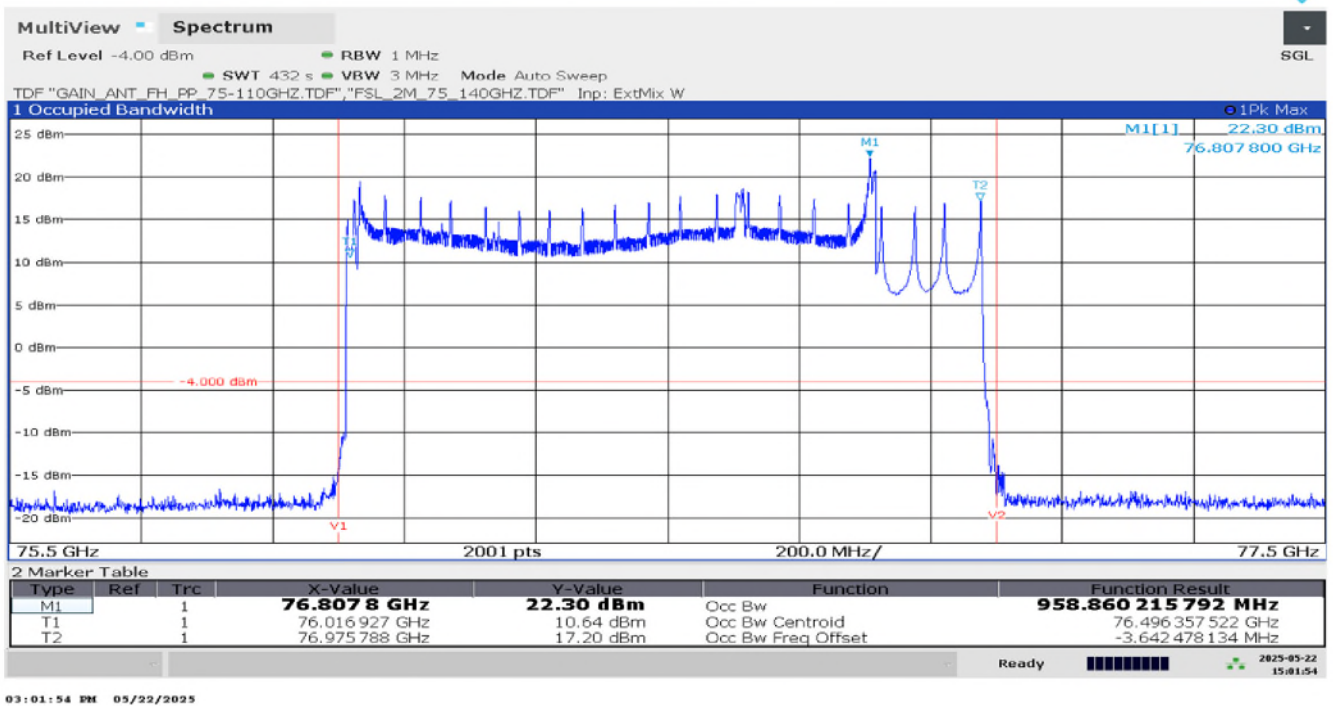
TID102-09_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T40°



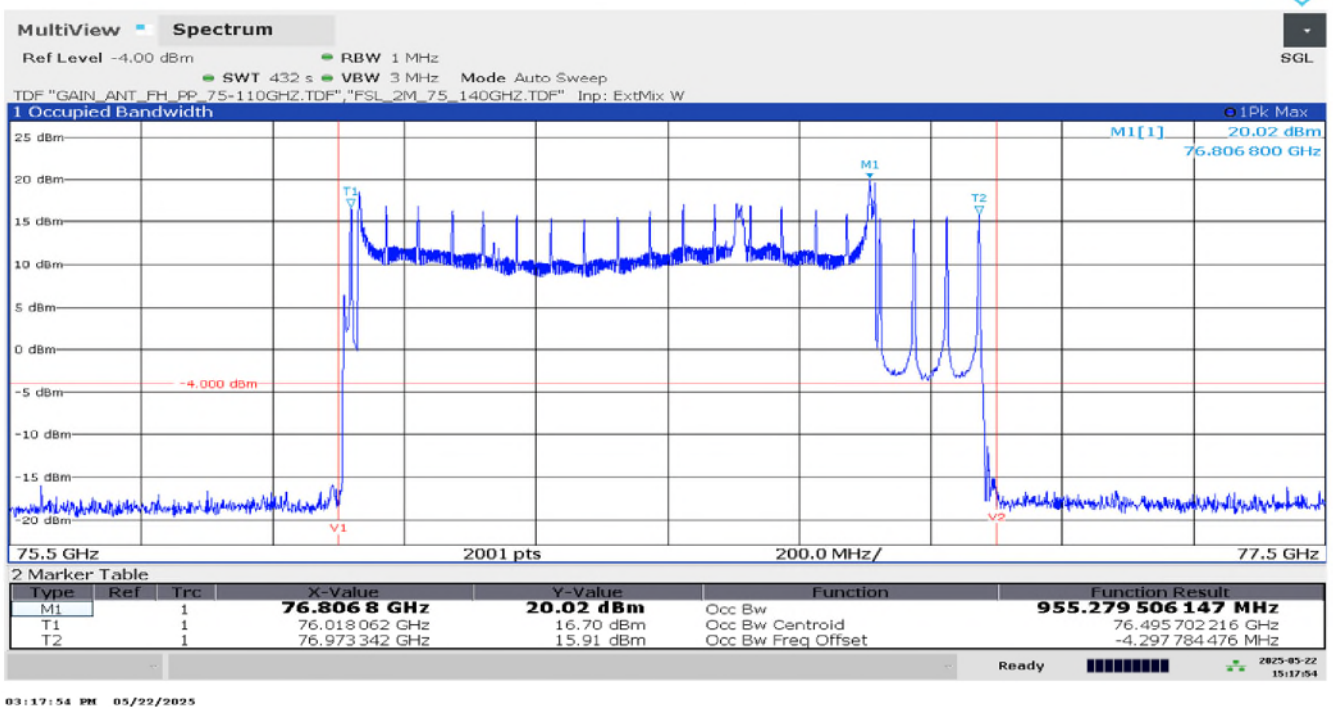
TID102-10_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vnom_T50°



TID102-04_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vmax_Tnom



TID102-05_24-1-0046401T001_99% Bandwidth (Operating Frequency Range)_Vmin_Tnom



13 Glossary

EUT	Equipment under test
DUT	Device under test
UUT	Unit under test
GUE	GNSS User Equipment
ETSI	European Telecommunications Standards Institute
EN	European Standard
FCC	Federal Communications Commission
FCC ID	Company Identifier at FCC
IC	Industry Canada
PMN	Product marketing name
HMN	Host marketing name
HVIN	Hardware version identification number
FVIN	Firmware version identification number
EMC	Electromagnetic Compatibility
HW	Hardware
SW	Software
Inv. No.	Inventory number
S/N or SN	Serial number
C	Compliant
NC	Not compliant
NA	Not applicable
NP	Not performed
PP	Positive peak
QP	Quasi peak
AVG	Average
OC	Operating channel
OCW	Operating channel bandwidth
OBW	Occupied bandwidth
OOB	Out of band
DFS	Dynamic frequency selection
CAC	Channel availability check
OP	Occupancy period
NOP	Non occupancy period
DC	Duty cycle
PER	Packet error rate
CW	Clean wave
MC	Modulated carrier
WLAN	Wireless local area network
RLAN	Radio local area network
DSSS	Dynamic sequence spread spectrum
OFDM	Orthogonal frequency division multiplexing
FHSS	Frequency hopping spread spectrum
GNSS	Global Navigation Satellite System
C/N₀	Carrier to noise-density ratio, expressed in dB-Hz

14 Document history

Version	Applied changes	Date of release
R01	Initial release	2025-11-20
R02	Updated to correct the applicant, manufacturer name, EUT model name, type, and FCC ID. This report version R02 substitutes R01 report, which gets invalid herewith.	2026-07-31

END OF TEST REPORT