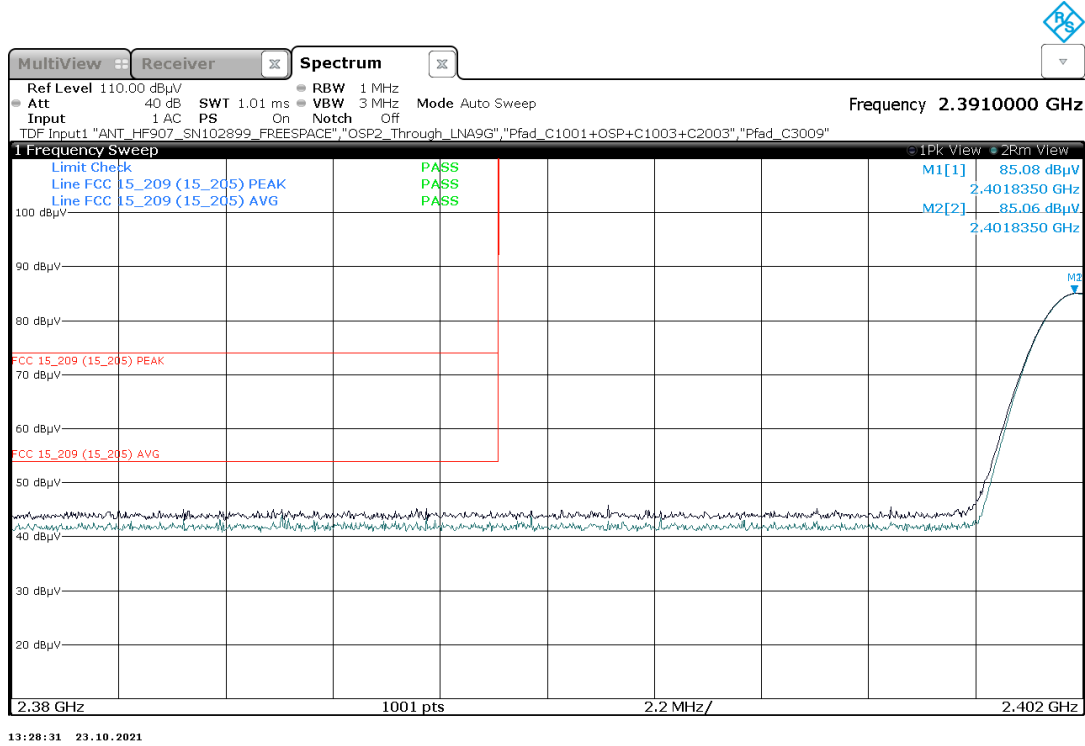
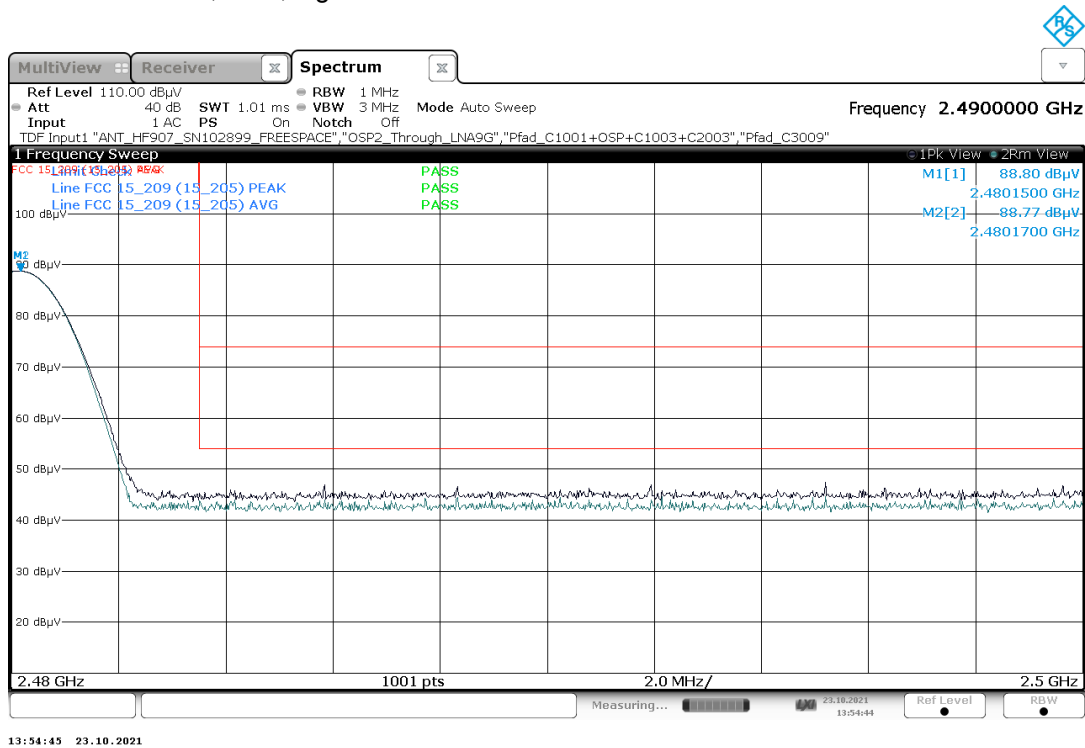


2.8.3 Band Edge Compliance (BEC), radiated

Plot 148: Mode 1, BEC, low channel 0

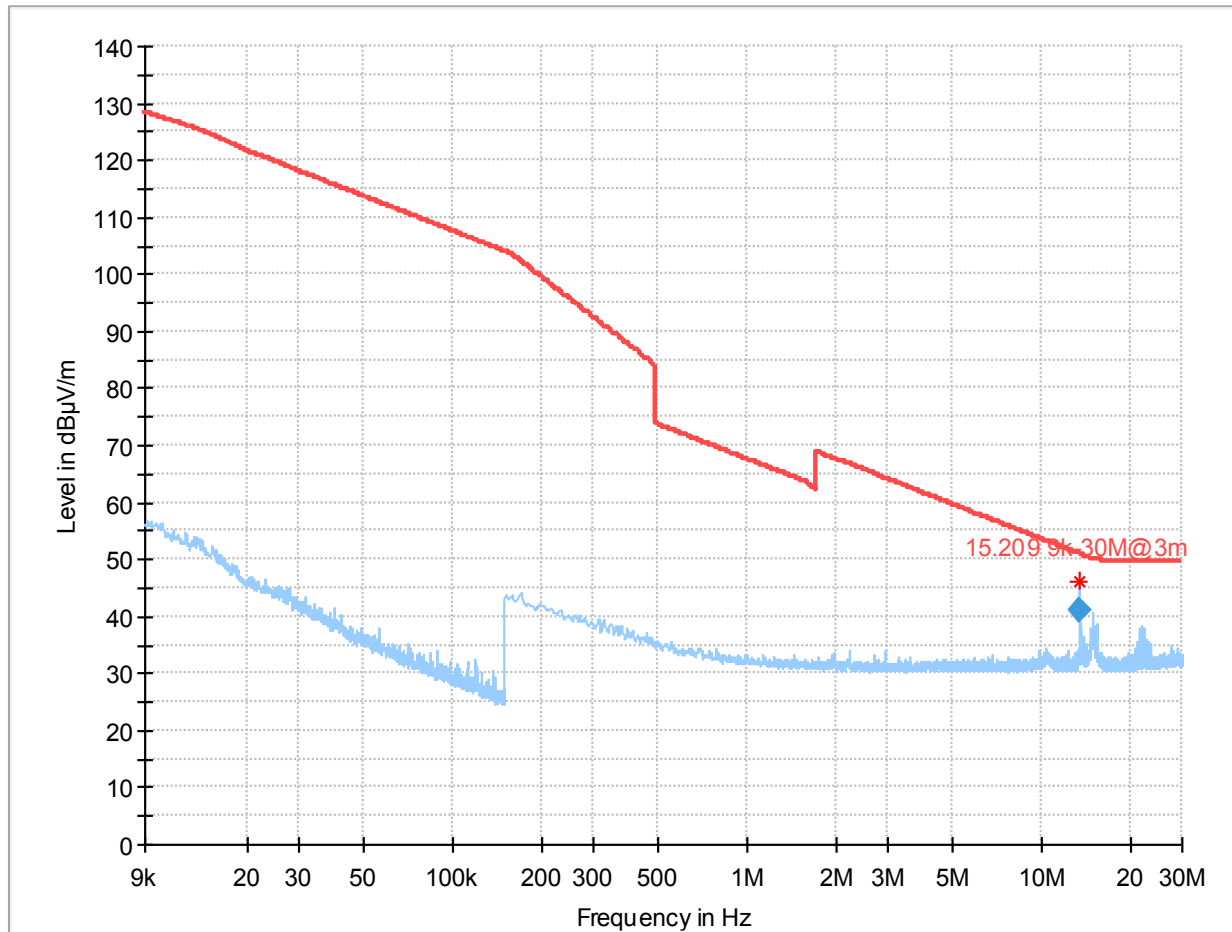


Plot 149: Mode 1, BEC, high channel 78



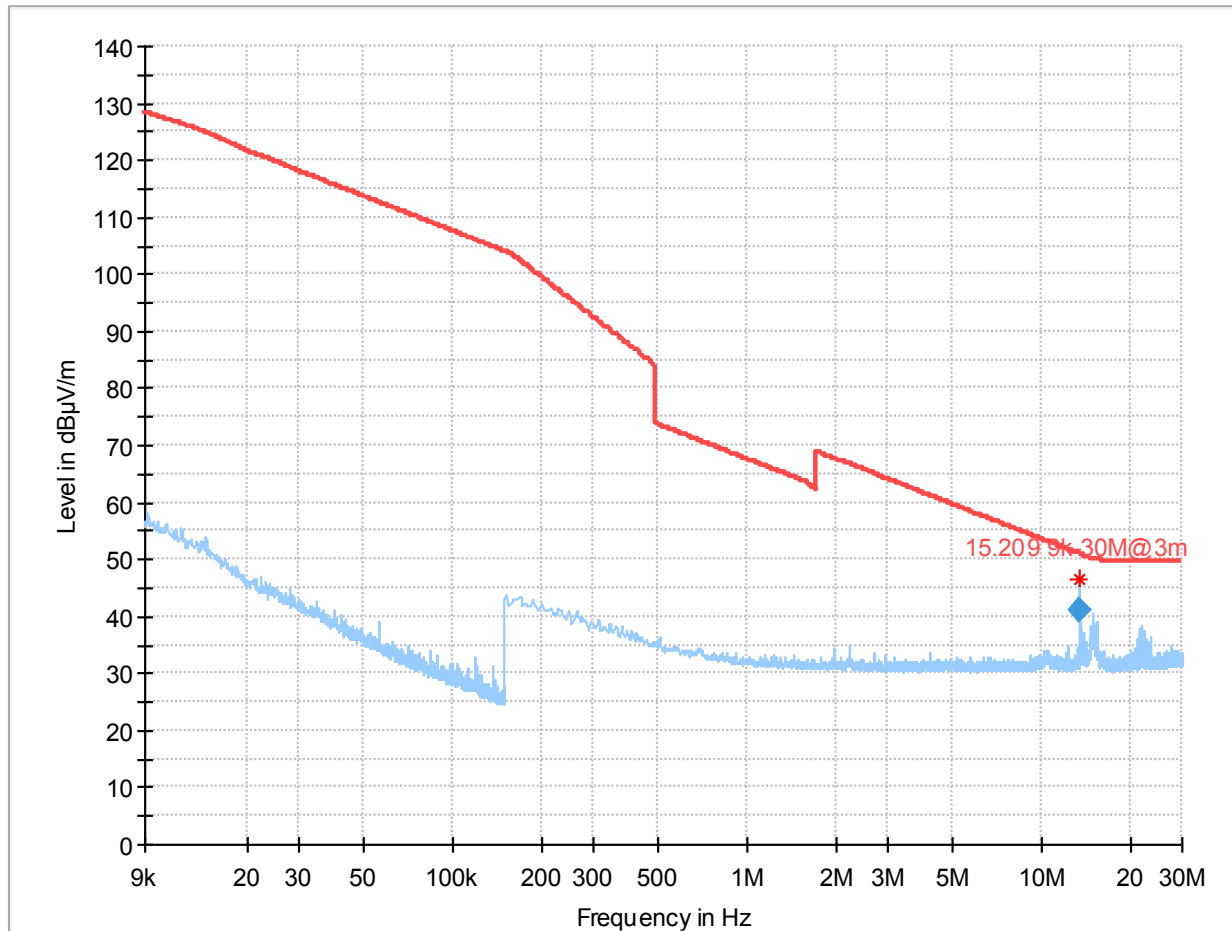
2.8.4 Radiated Spurious Emissions (RSE)

Plot 150: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



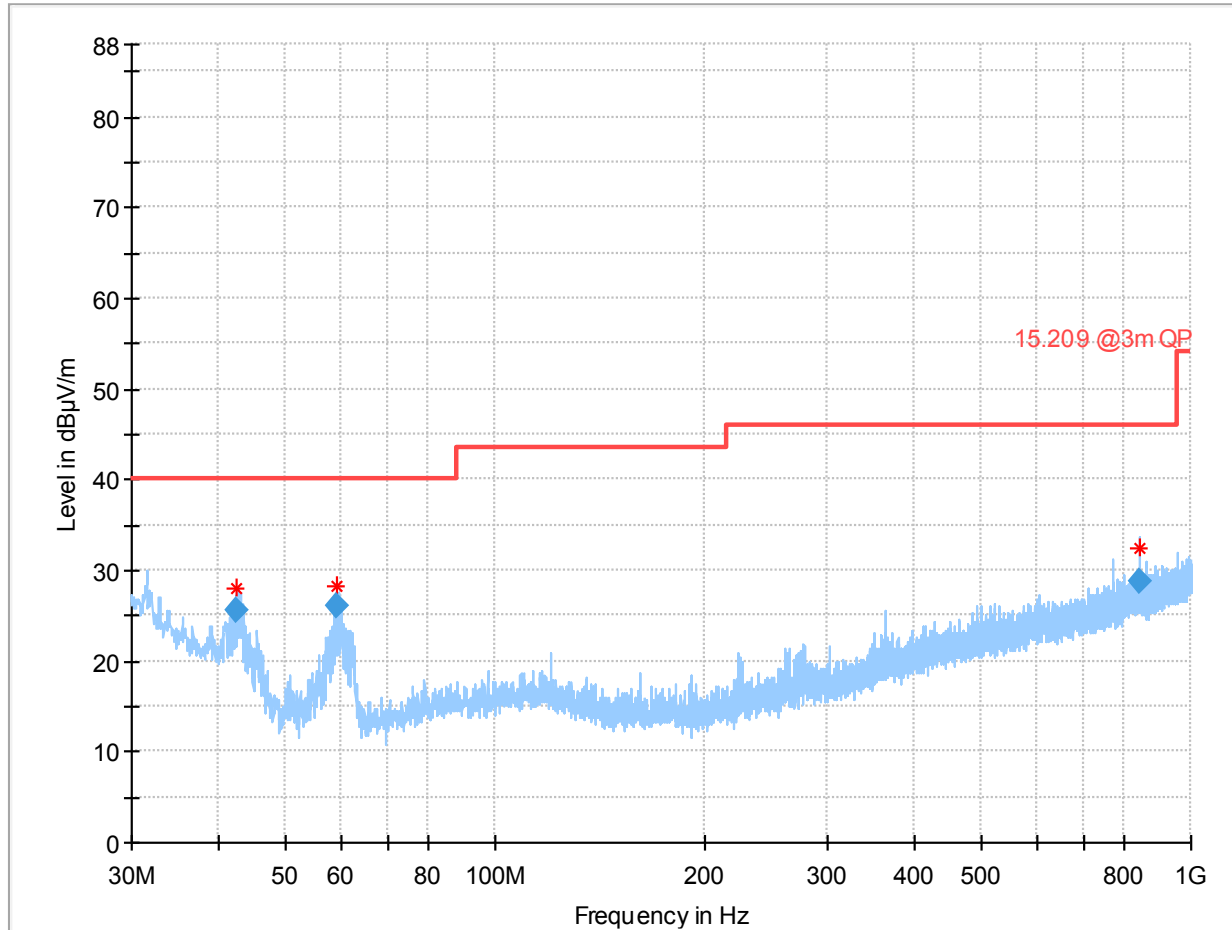
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	41.22	50.94	9.72	100.0	9.000	V	66.0	20.5

Plot 151: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna



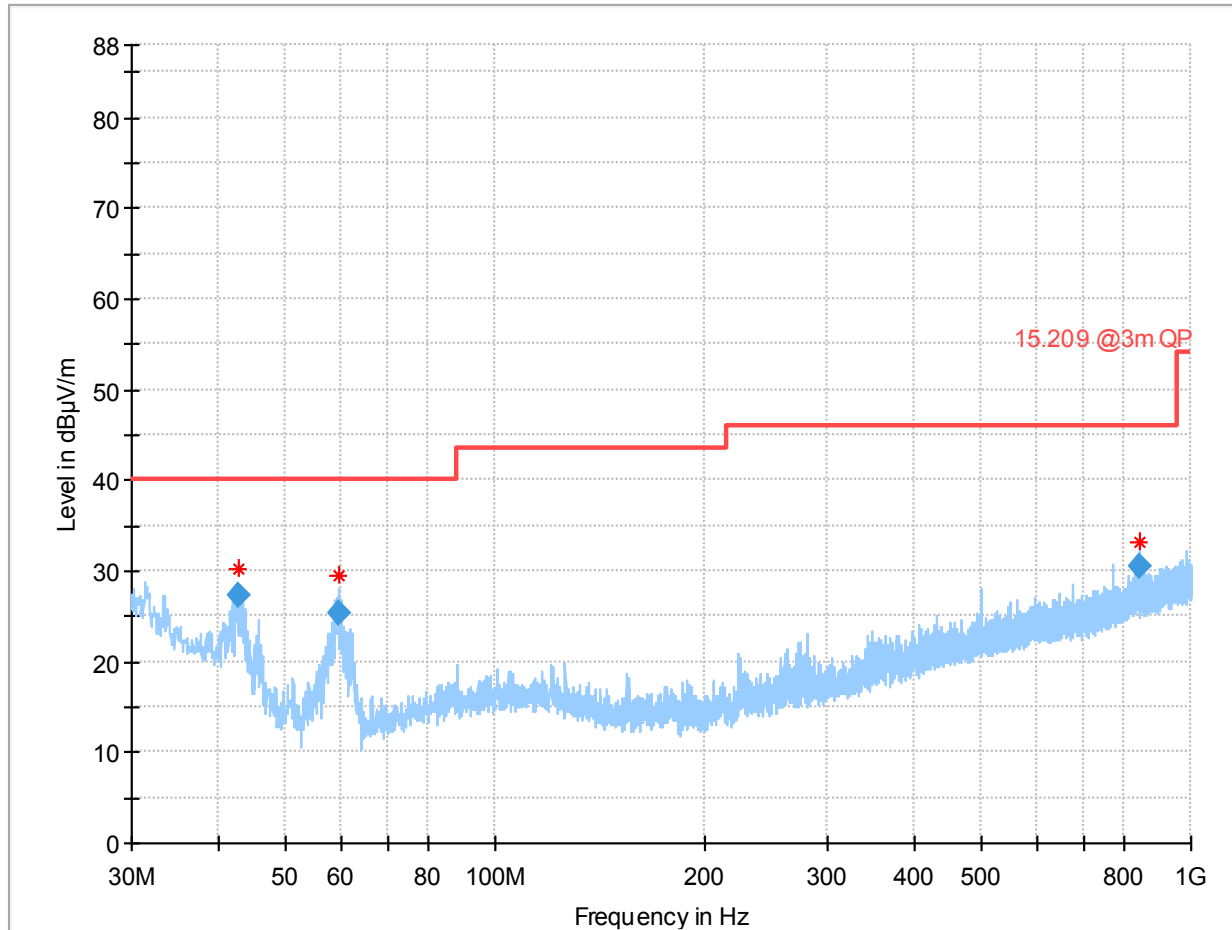
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	40.95	50.94	9.99	100.0	9.000	V	60.0	20.5

Plot 152: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
42.530500	25.46	40.00	14.54	100.0	120.000	100.0	V	62.0
59.158500	25.99	40.00	14.01	100.0	120.000	148.0	V	87.0
841.816500	28.84	46.00	17.16	100.0	120.000	100.0	H	89.0

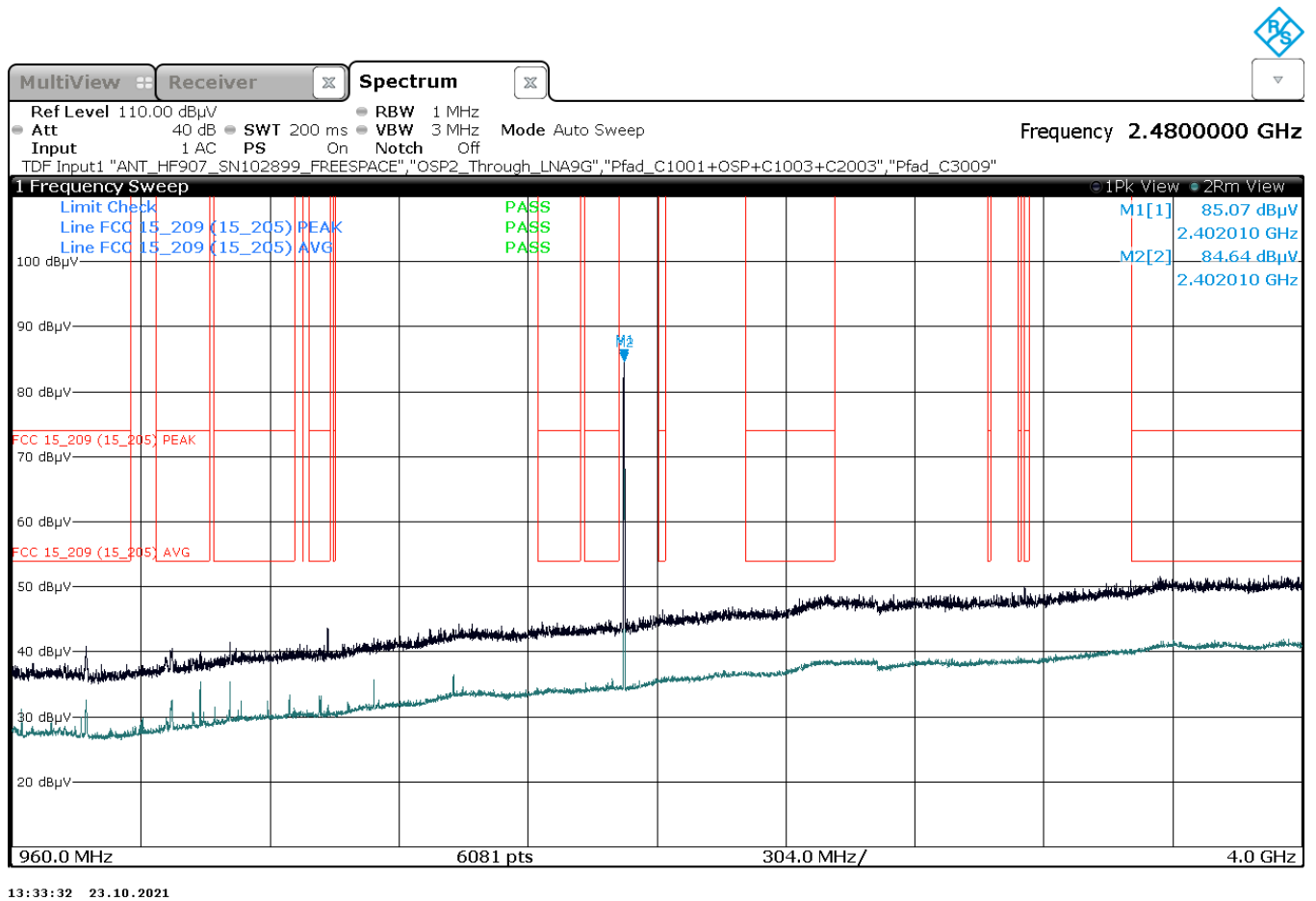
Plot 153: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
42.764500	27.20	40.00	12.80	100.0	120.000	100.0	V	216.0
59.414500	25.21	40.00	14.79	100.0	120.000	104.0	V	146.0
841.841500	30.45	46.00	15.55	100.0	120.000	103.0	V	171.0

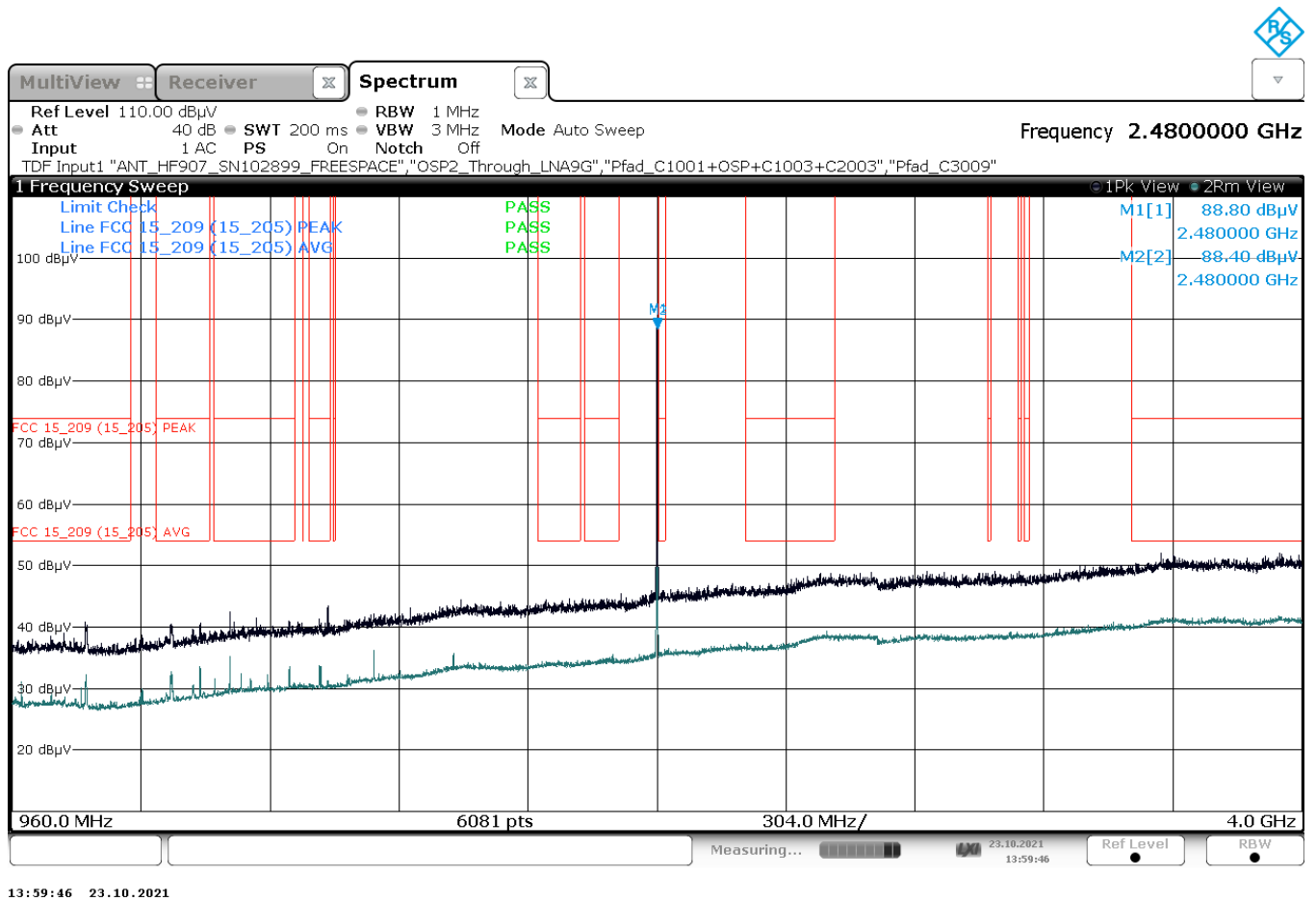
Annex A of TR no.: 21086128-23001-1

Plot 154: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



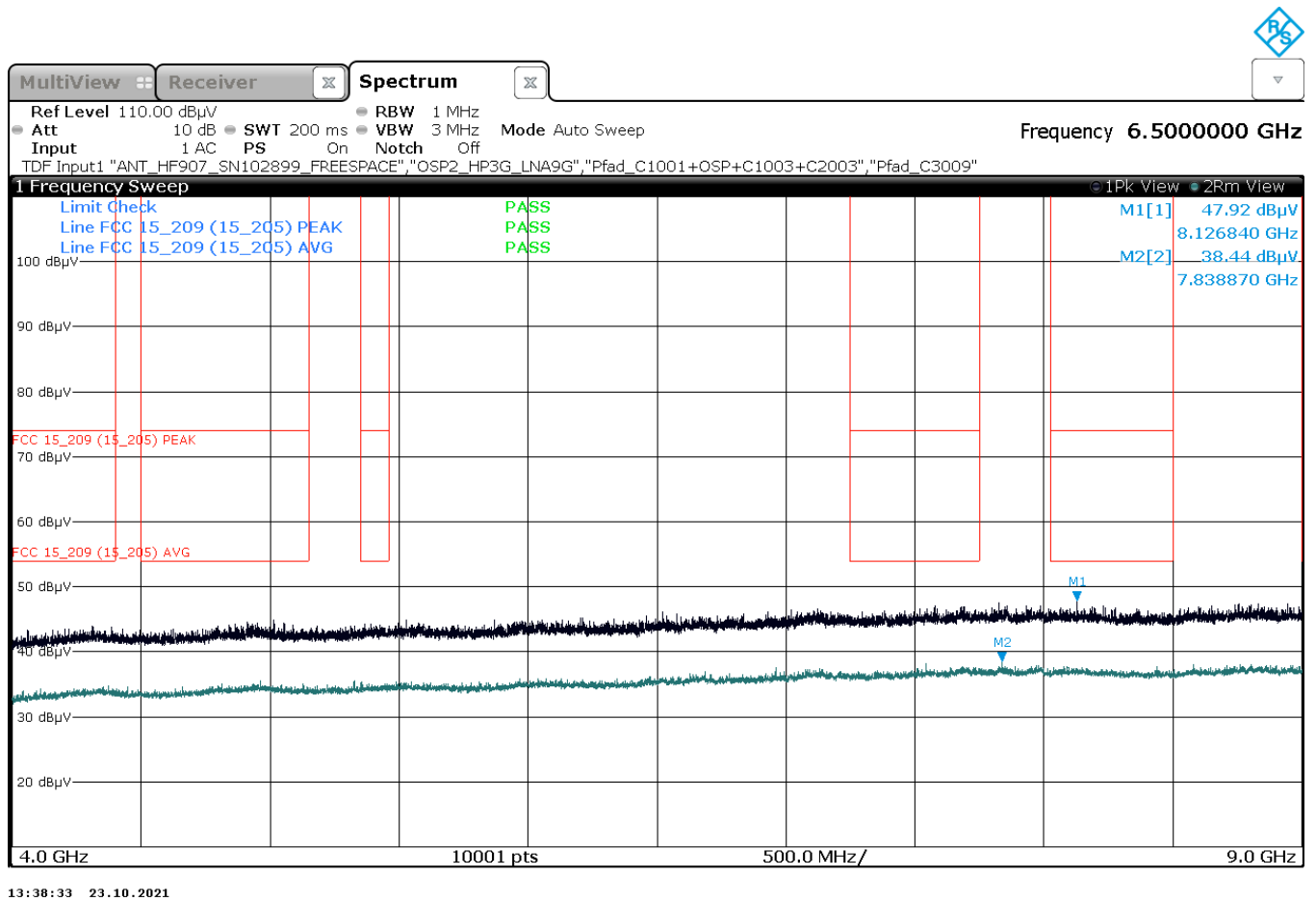
Annex A of TR no.: 21086128-23001-1

Plot 155: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



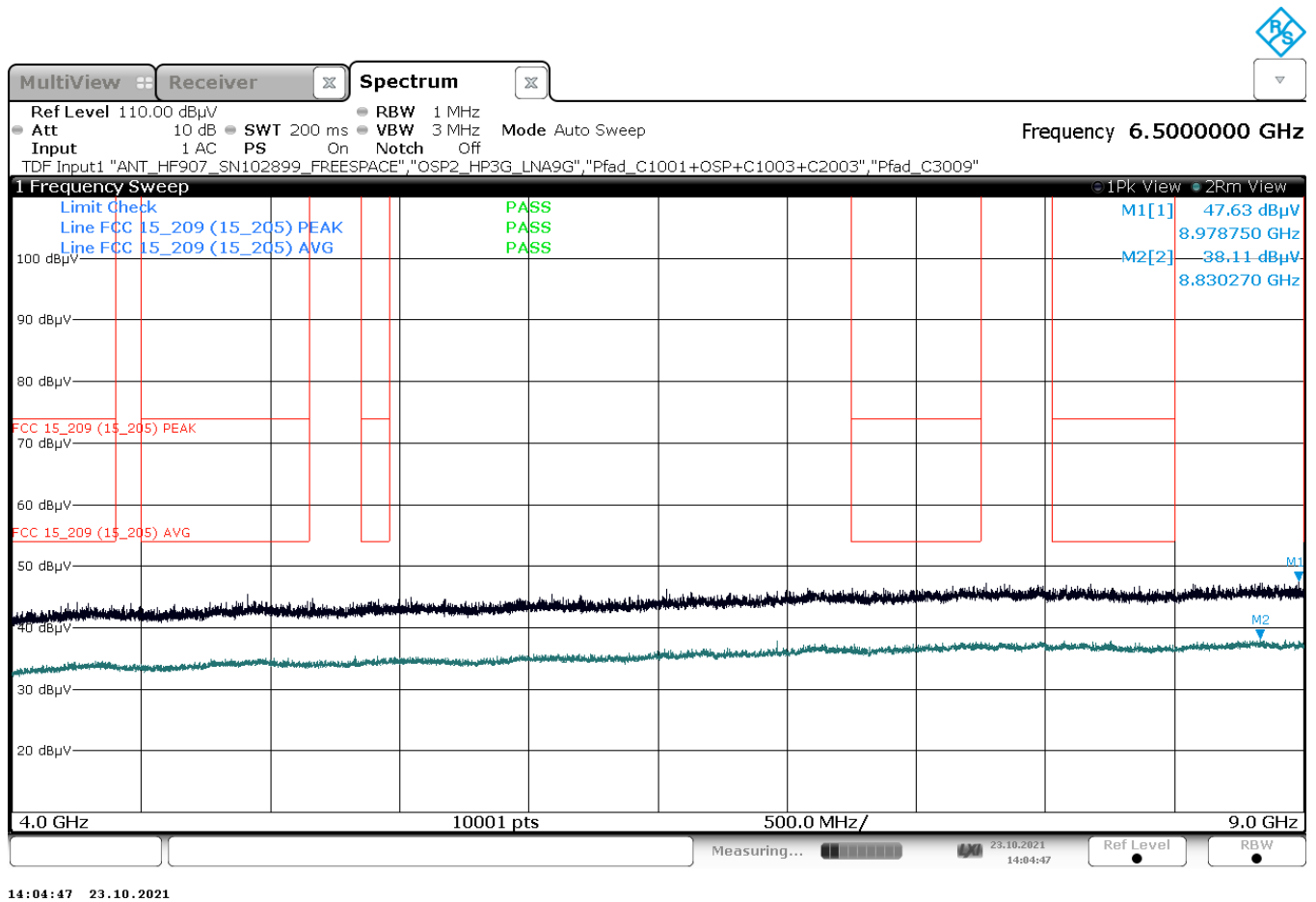
Annex A of TR no.: 21086128-23001-1

Plot 156: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



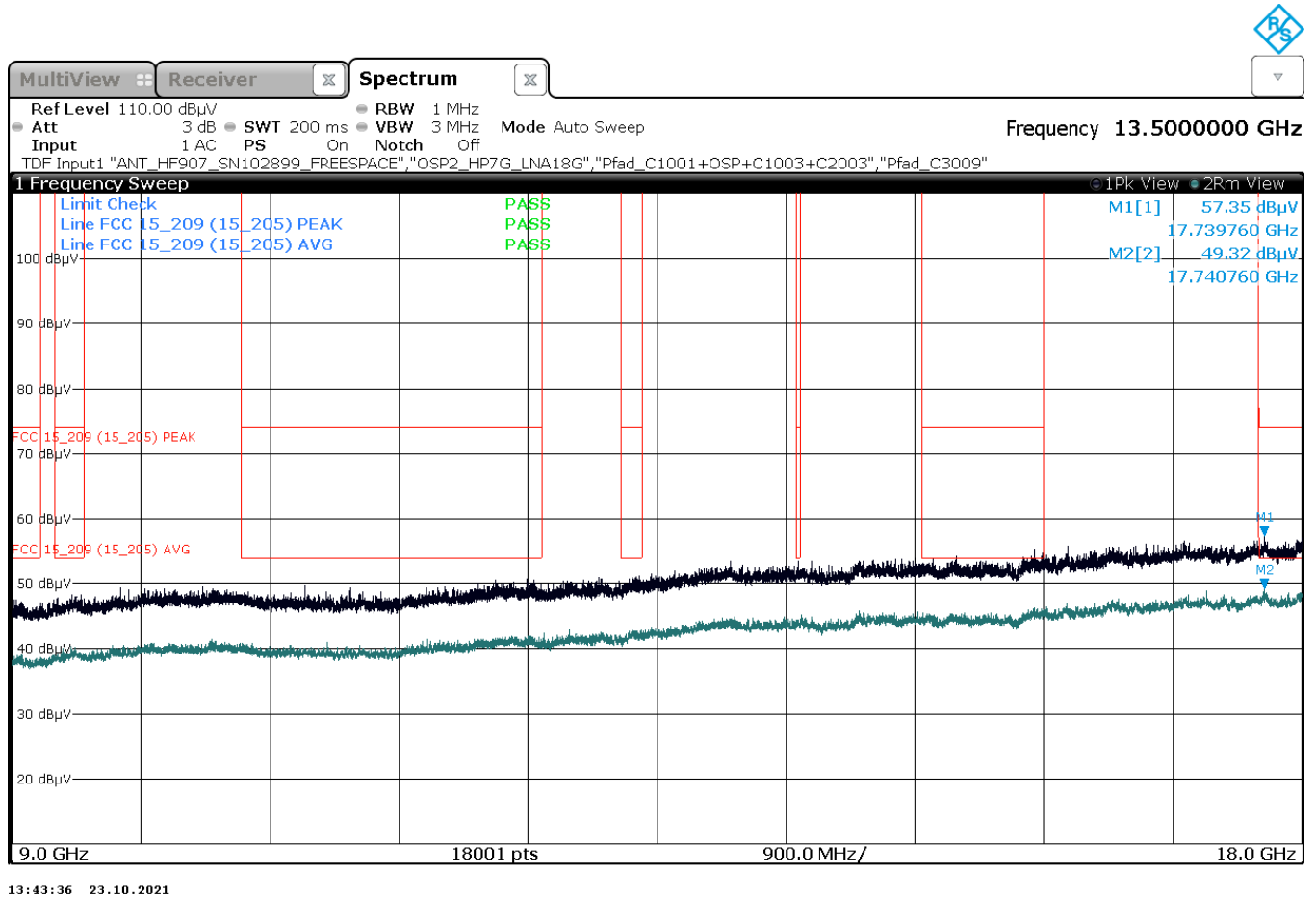
Annex A of TR no.: 21086128-23001-1

Plot 157: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



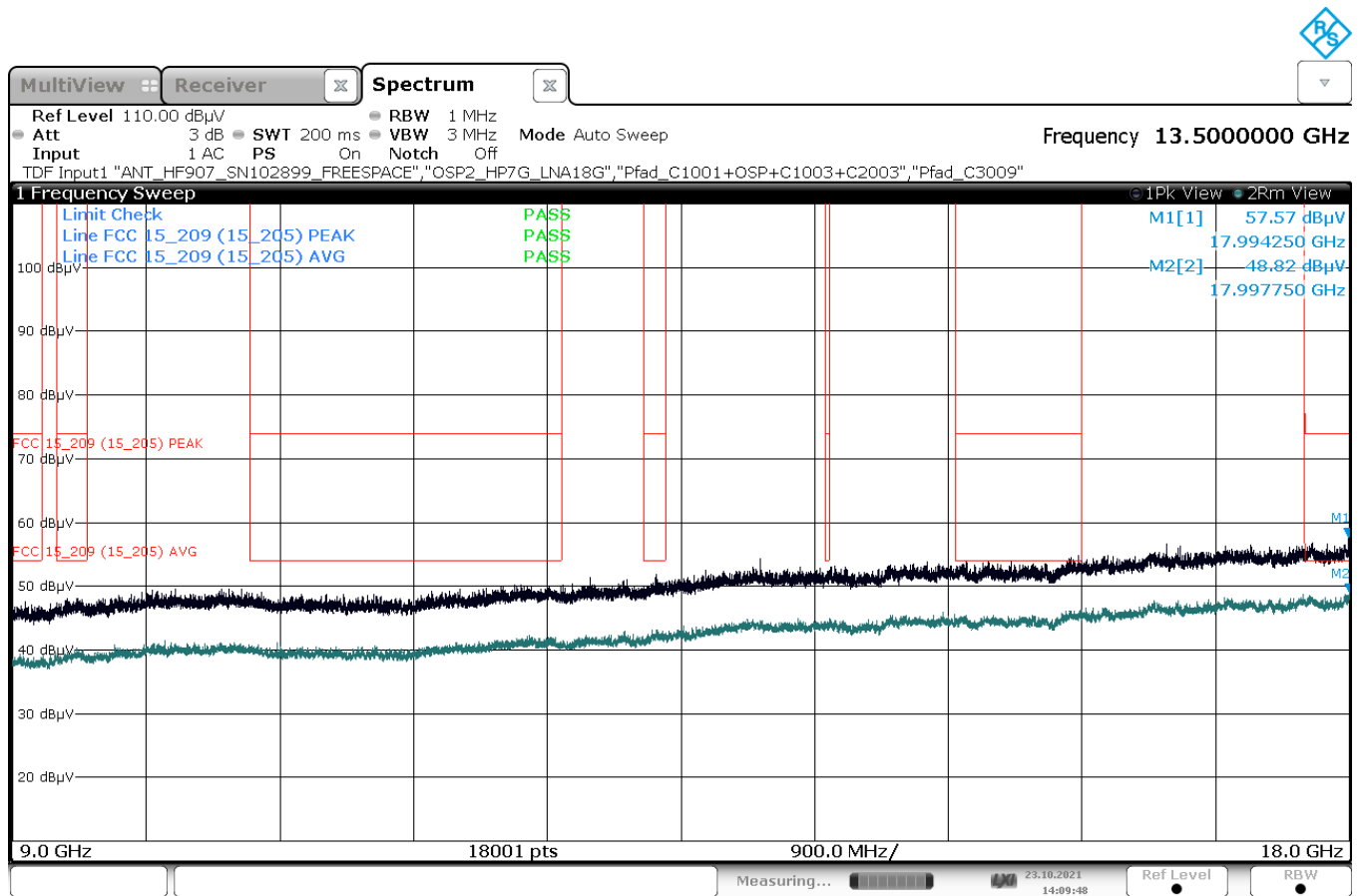
Annex A of TR no.: 21086128-23001-1

Plot 158: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation



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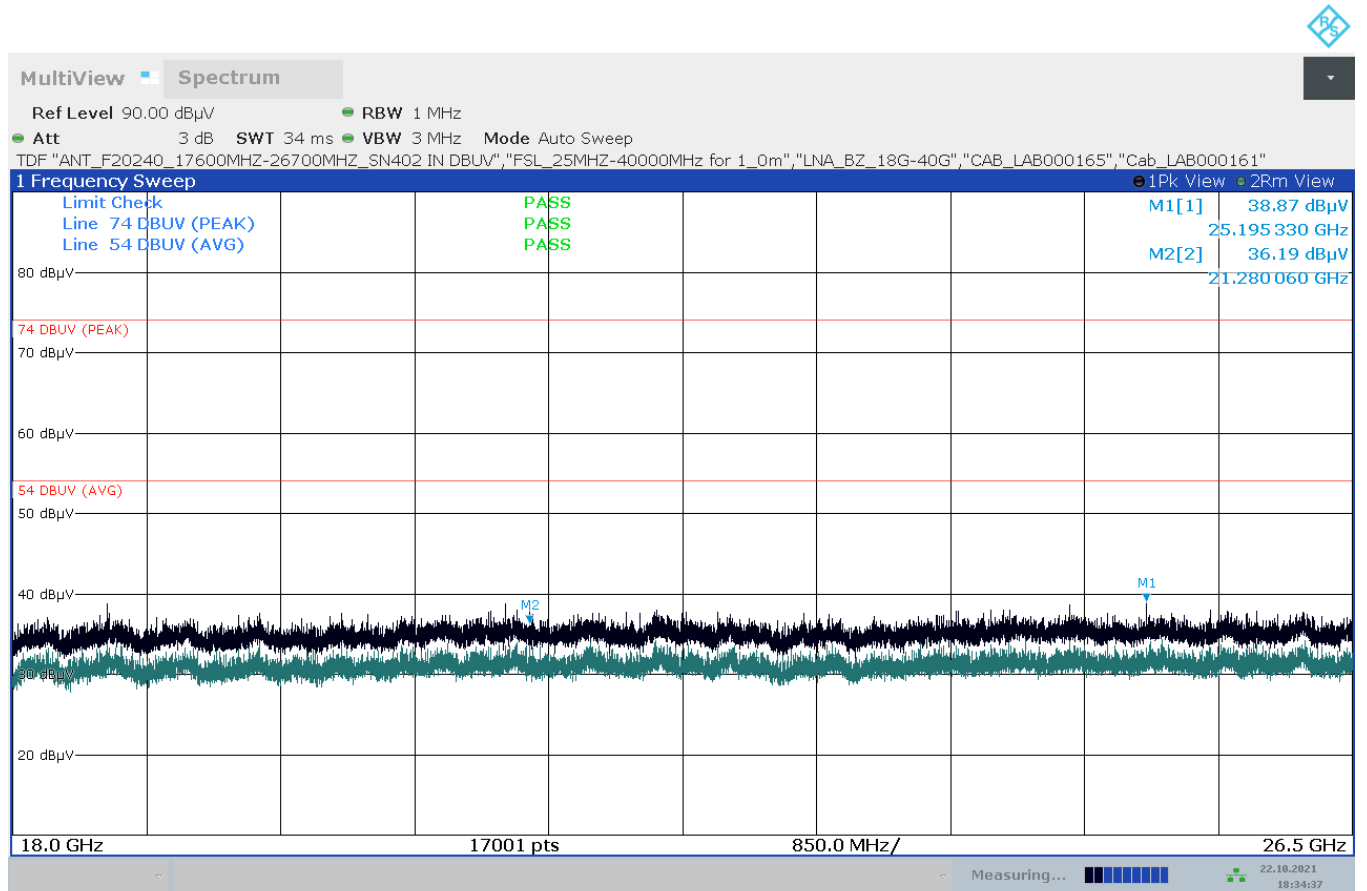
Plot 159: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



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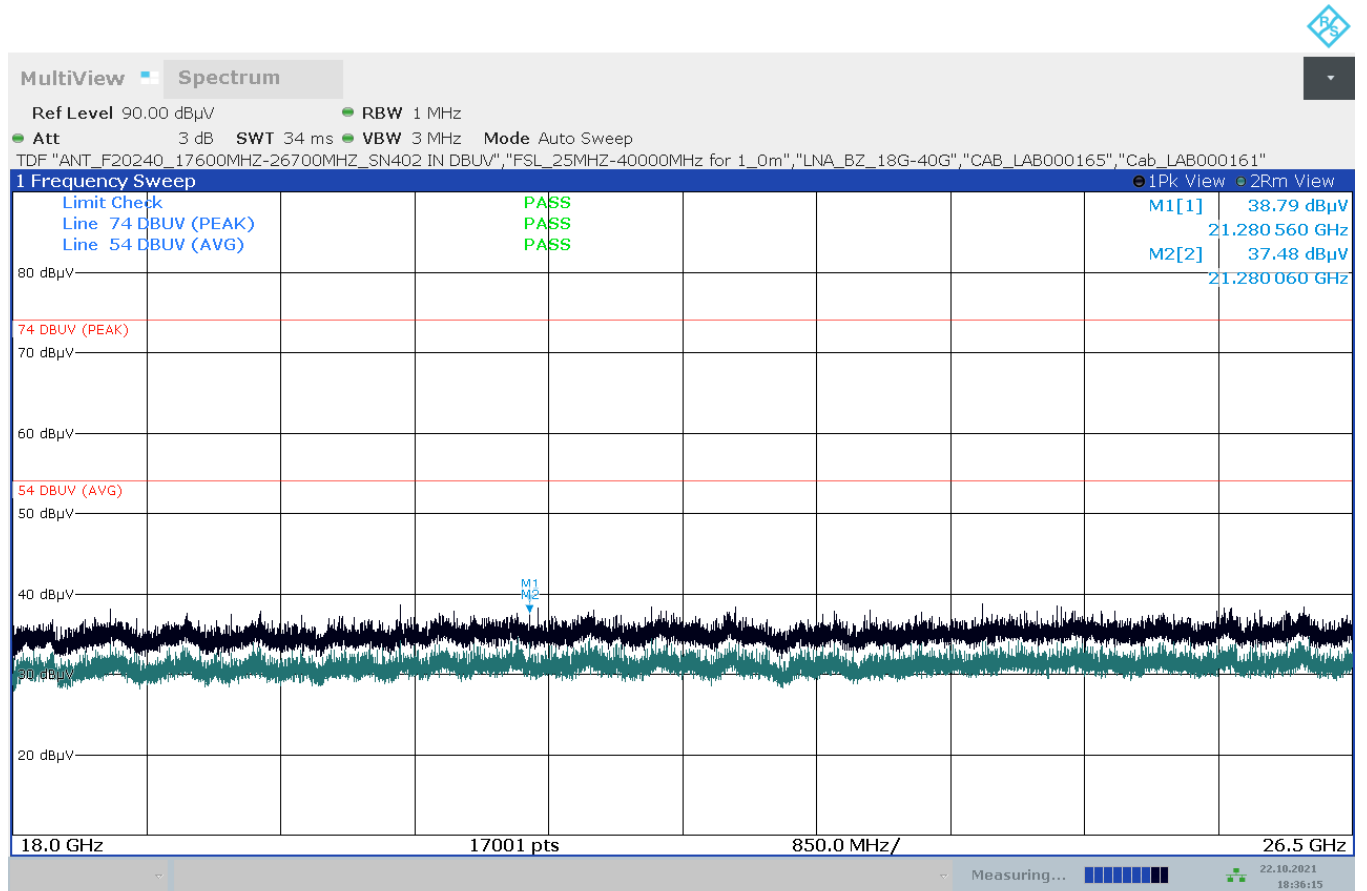
Plot 160: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



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Plot 161: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



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2.9 Variant ID #57

DUT Information

DUT Name:	prePV 57
Manufacturer:	Mitsubishi Electric Corporation
Serial Number:	65903

2.9.1 RF Output Power (Conducted Peak Power)

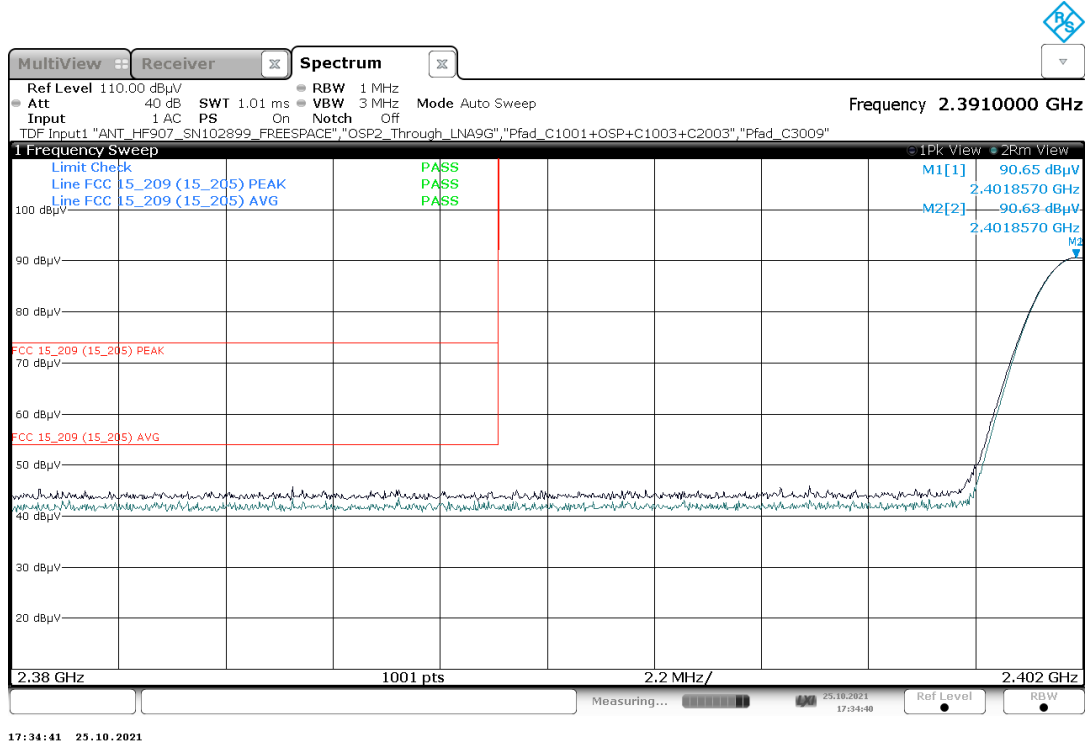
See test results of variant ID #56

2.9.2 Radiated Peak Power (Peak EIRP)

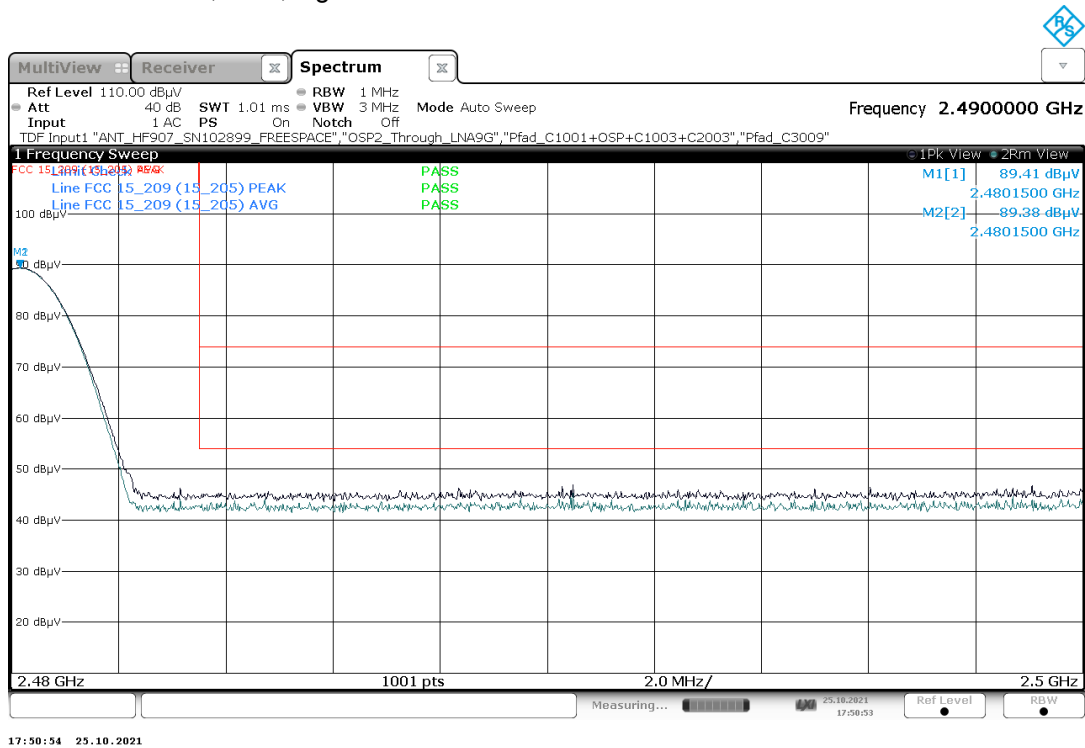
See test results of variant ID #56

2.9.3 Band Edge Compliance (BEC), radiated

Plot 162: Mode 1, BEC, low channel 0

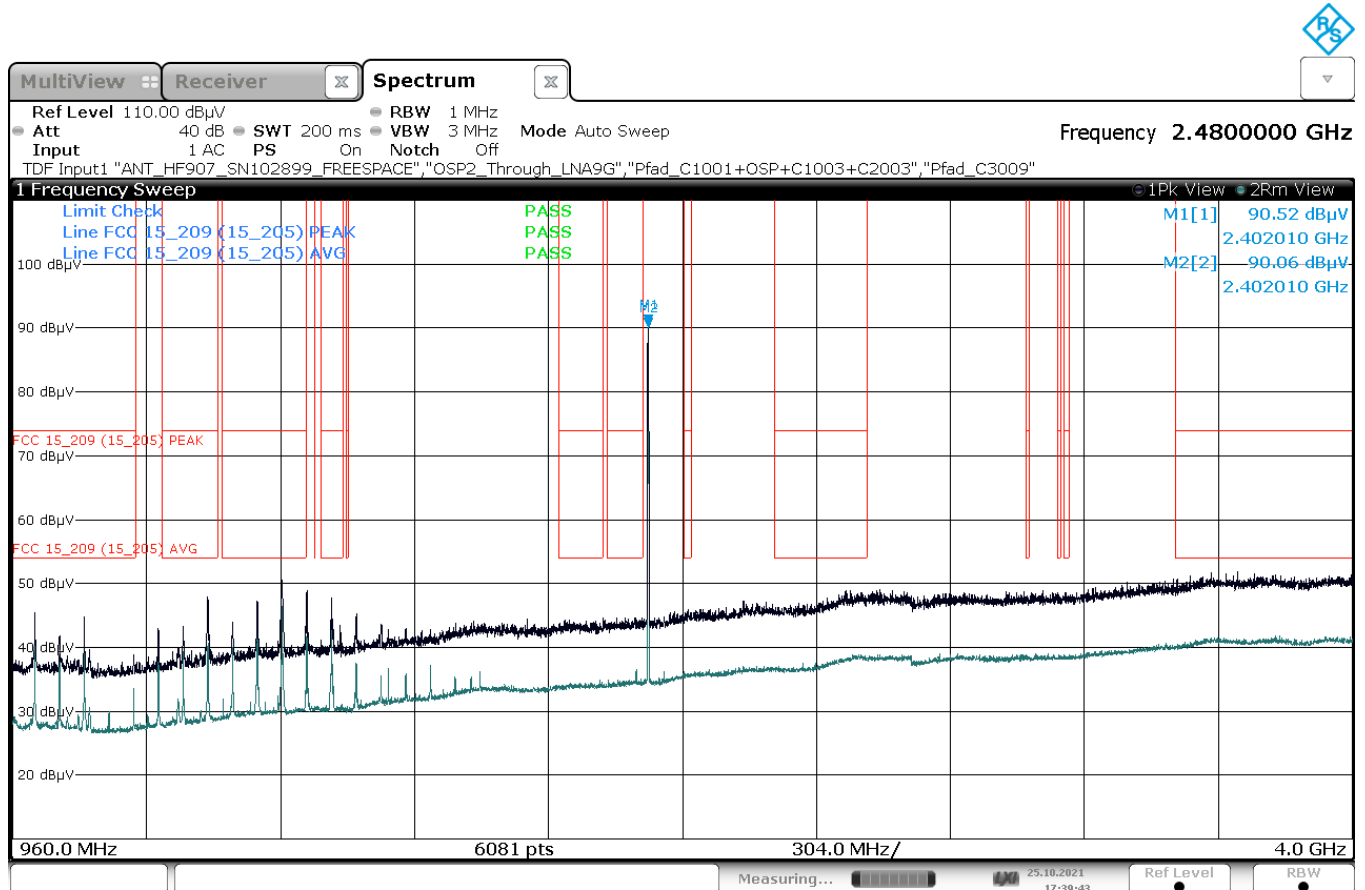


Plot 163: Mode 1, BEC, high channel 78



2.9.4 Radiated Spurious Emissions (RSE)

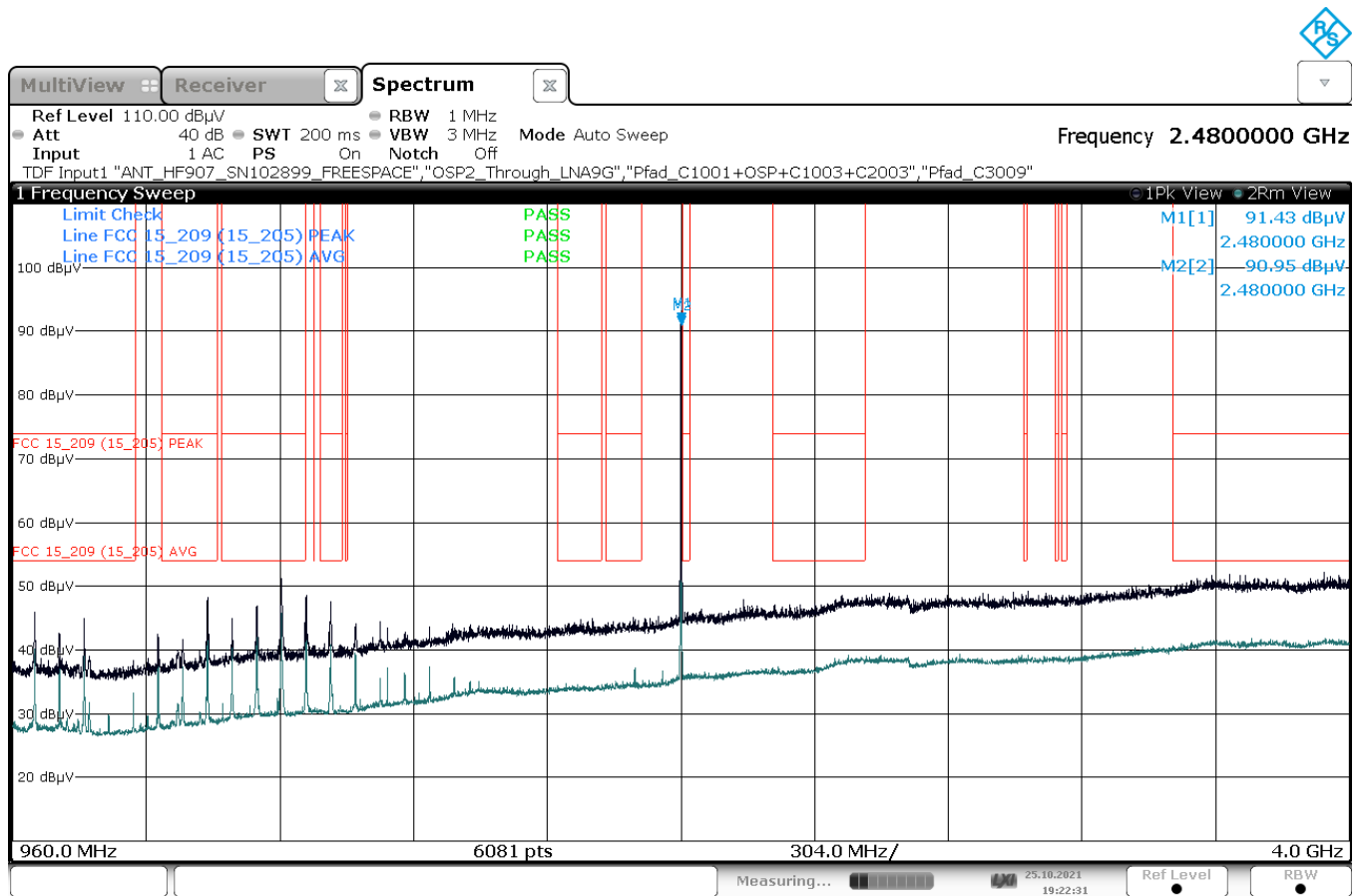
Plot 164: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



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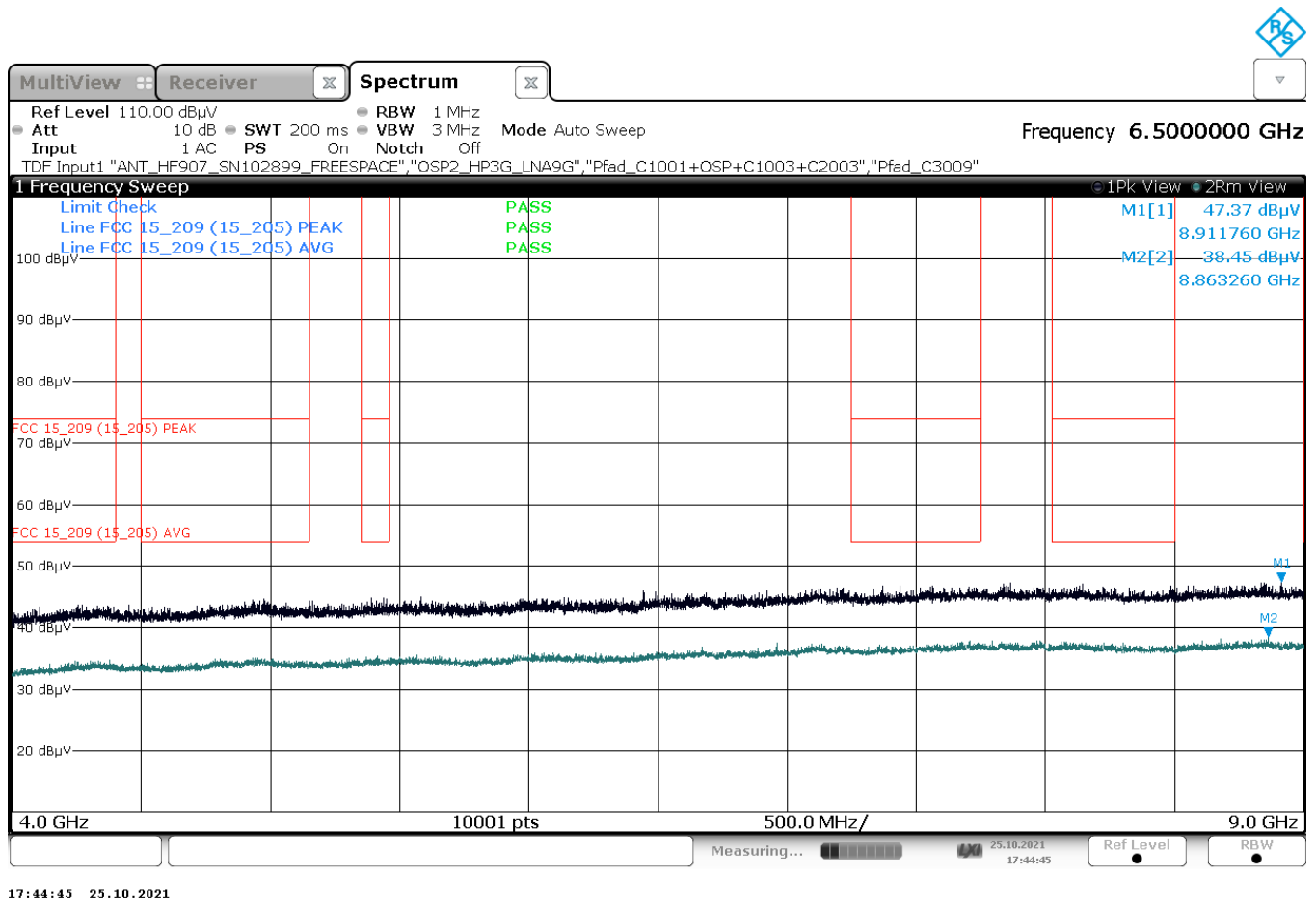
Plot 165: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



19:22:32 25.10.2021

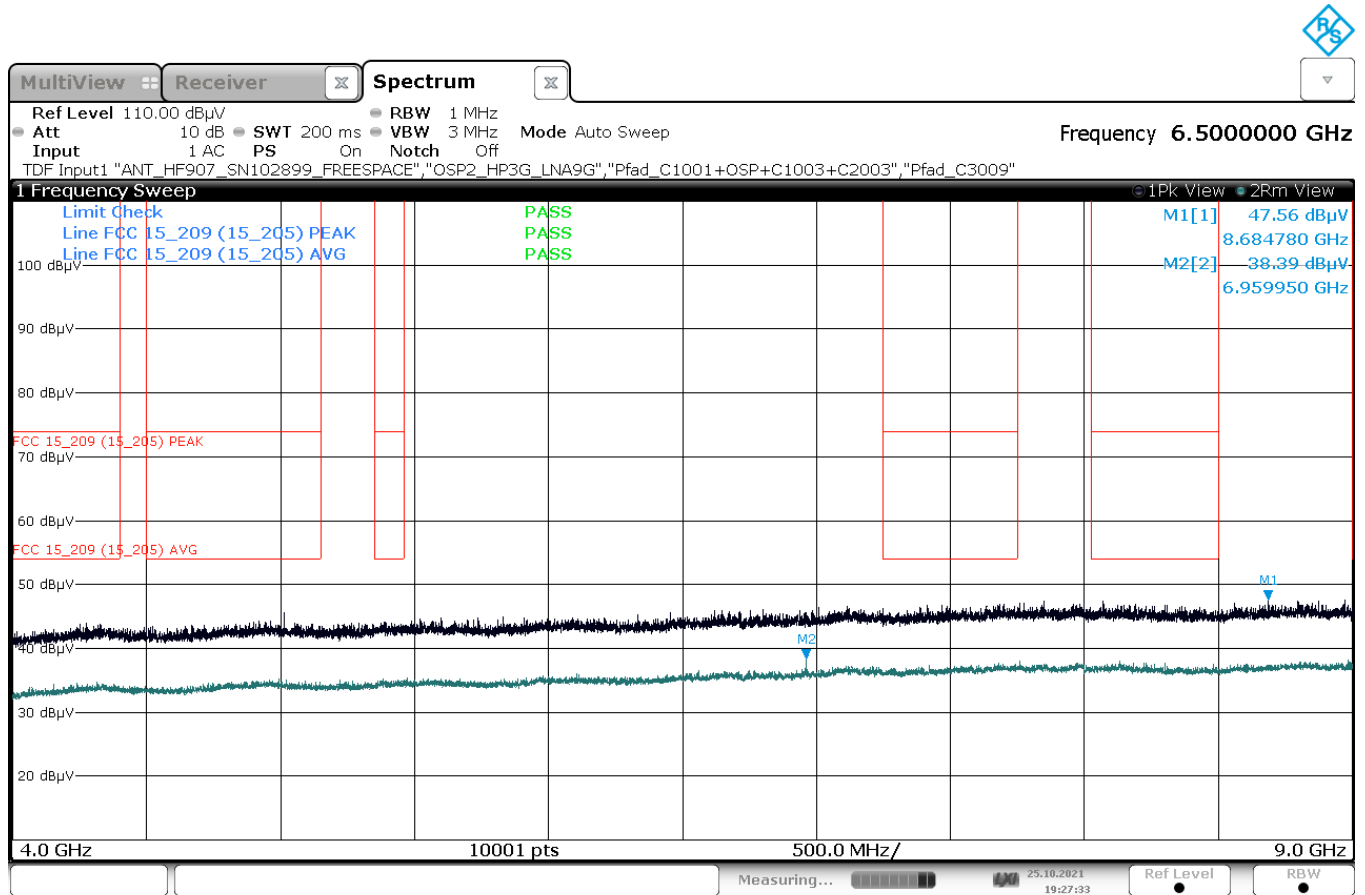
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Plot 166: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



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Plot 167: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



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2.10 Variant ID #62

DUT Information

DUT Name: prePV 62
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 66304

2.10.1 RF Output Power (Conducted Peak Power)

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013 11.9.2.3.2. Not mandatory.

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
 Expanded Combined Uncertainty of absolute Level Measurement (K=2) < 1 dB

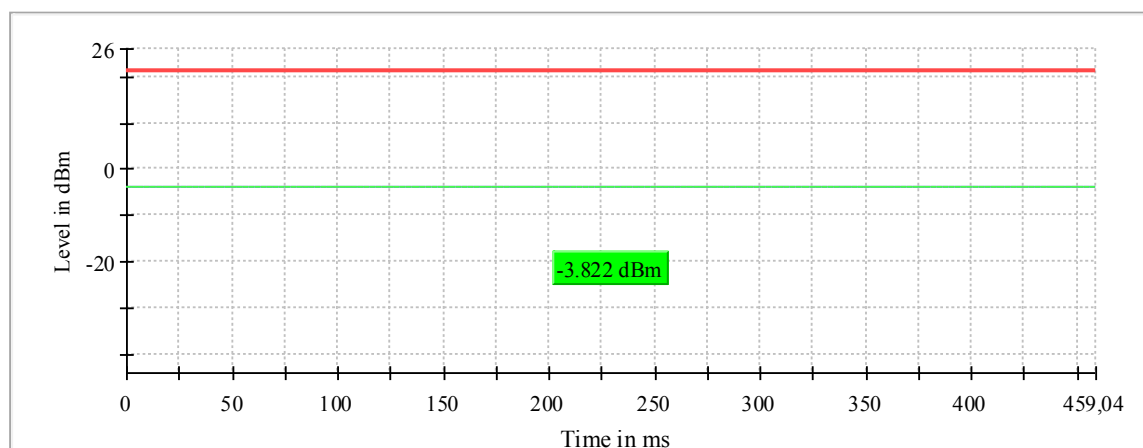
DUT Information

DUT Name: prePV 62
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 66303

Plot 168: Test Mode 1, GFSK, 1 Mbit/s, RF output power, low channel 0, 2402 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-3.8	21.0	-3.8	46.210	PASS

Gated Trace



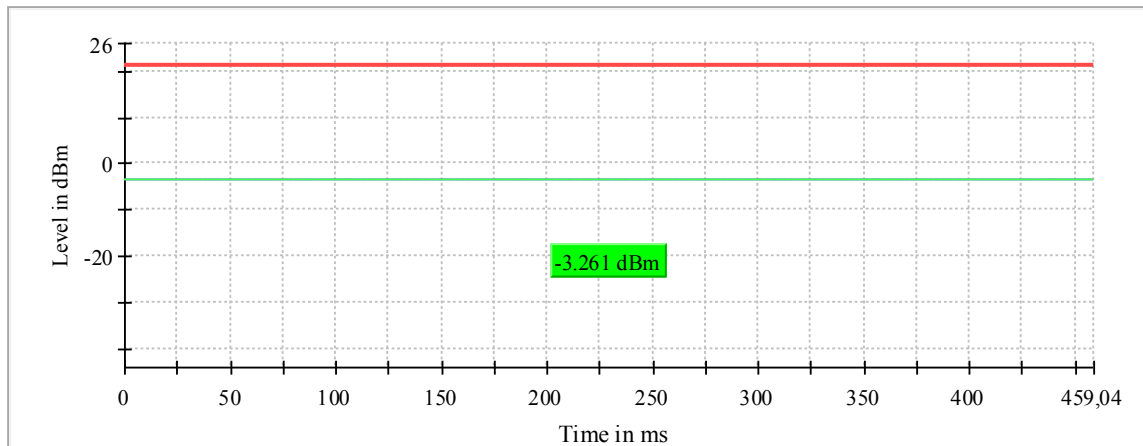
— Gated Trace — Overall — Limit

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Plot 169: Test Mode 1, GFSK, 1 Mbit/s, RF output power, mid channel 39, 2441 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-3.3	21.0	-3.3	46.210	PASS

Gated Trace

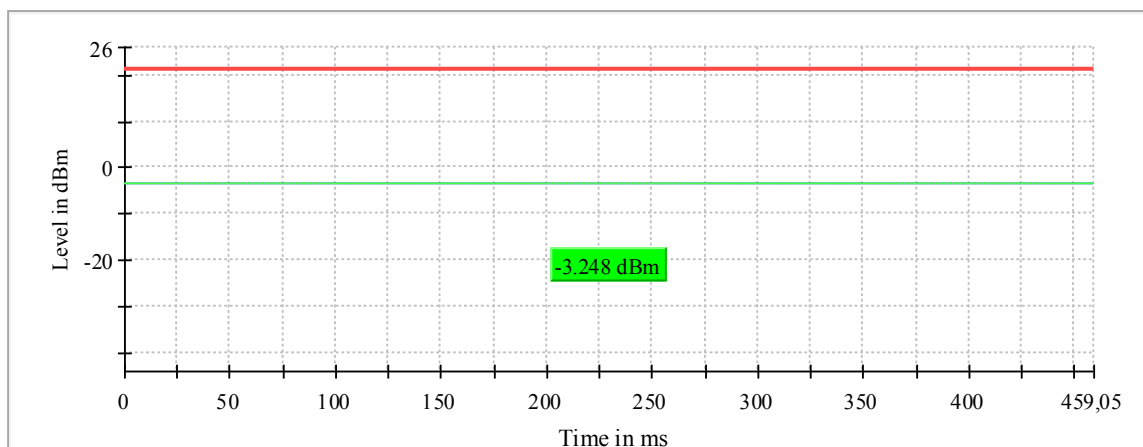


— Gated Trace — Overall — Limit

Plot 170: Test Mode 1, GFSK, 1 Mbit/s, RF output power, high channel 78, 2480 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-3.2	21.0	-3.2	46.211	PASS

Gated Trace

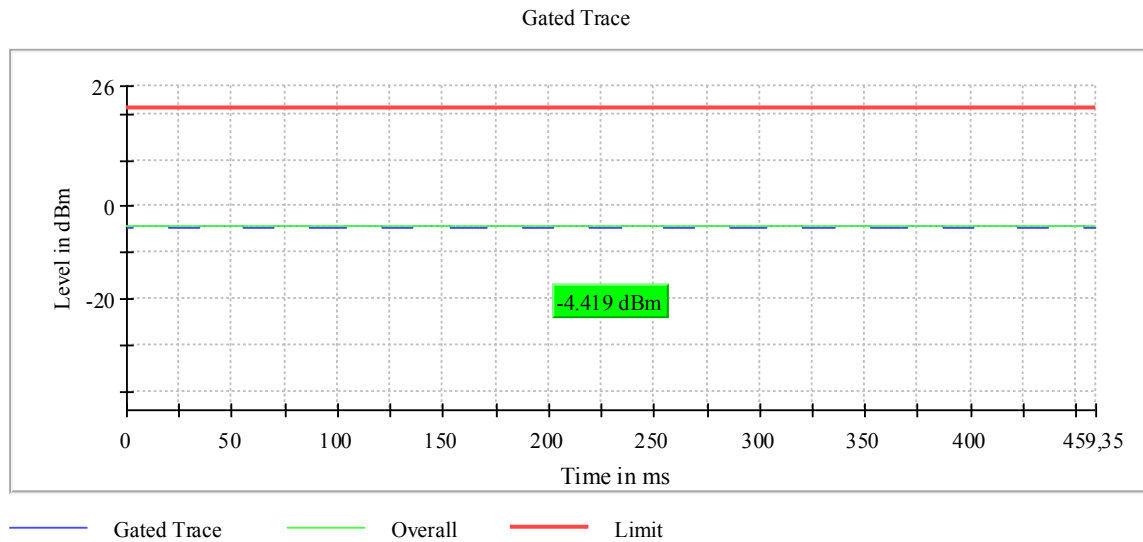


— Gated Trace — Overall — Limit

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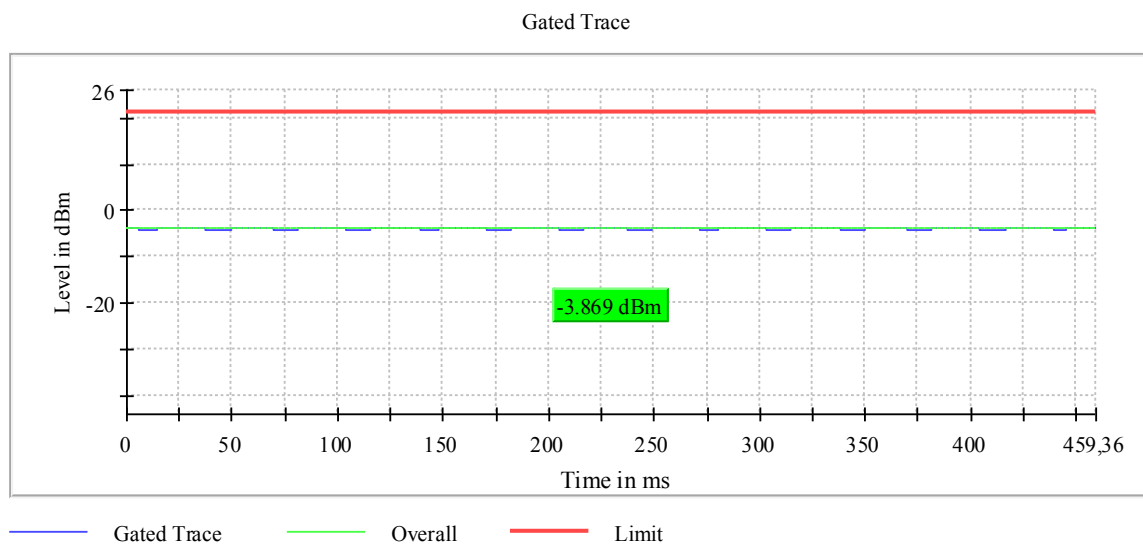
Plot 171: Test Mode 2, $\pi/4$ -DQPSK, 2 Mbit/s, RF output power, low channel 0, 2402 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-4.4	21.0	-4.4	46.241	PASS



Plot 172: Test Mode 2, $\pi/4$ -DQPSK, 2 Mbit/s, RF output power, mid channel 39, 2441 MHz

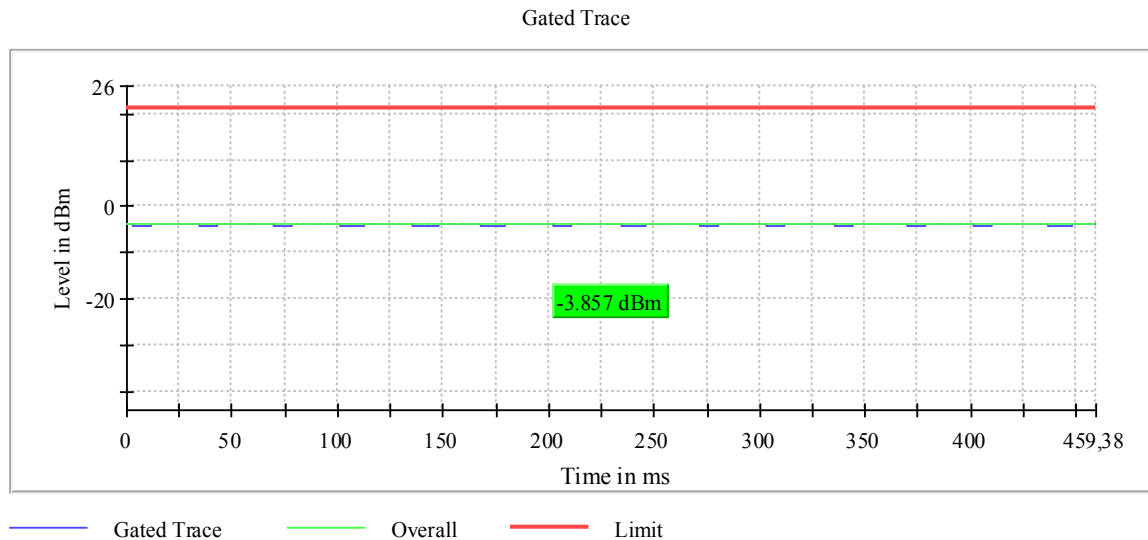
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-3.9	21.0	-3.9	46.241	PASS



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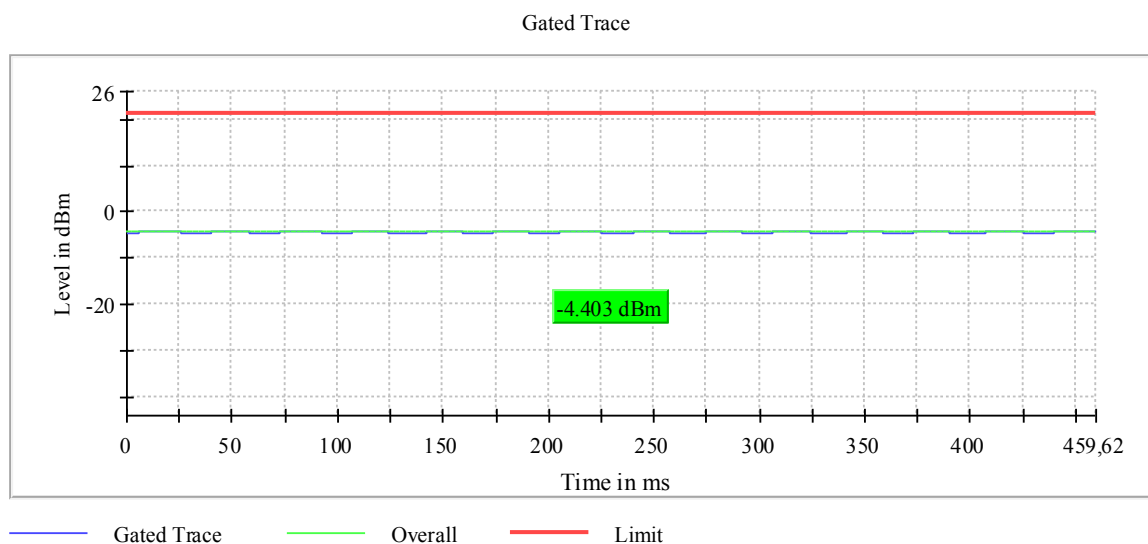
Plot 173: Test Mode 2, $\pi/4$ -DQPSK, 2 Mbit/s, RF output power, high channel 78, 2480 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-3.9	21.0	-3.9	46.244	PASS



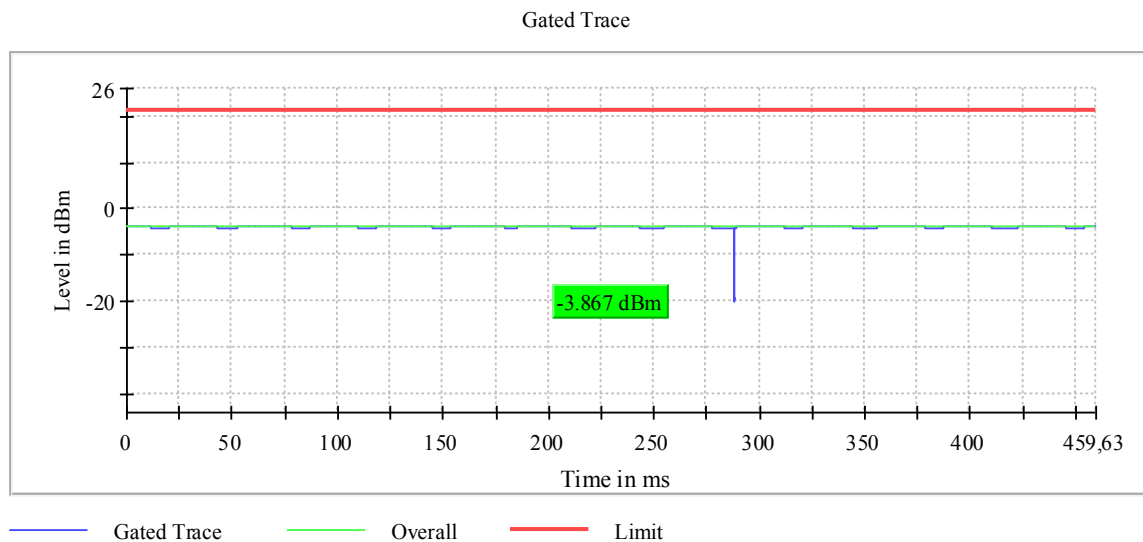
Plot 174: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, low channel 0, 2402 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-4.4	21.0	-4.4	46.268	PASS



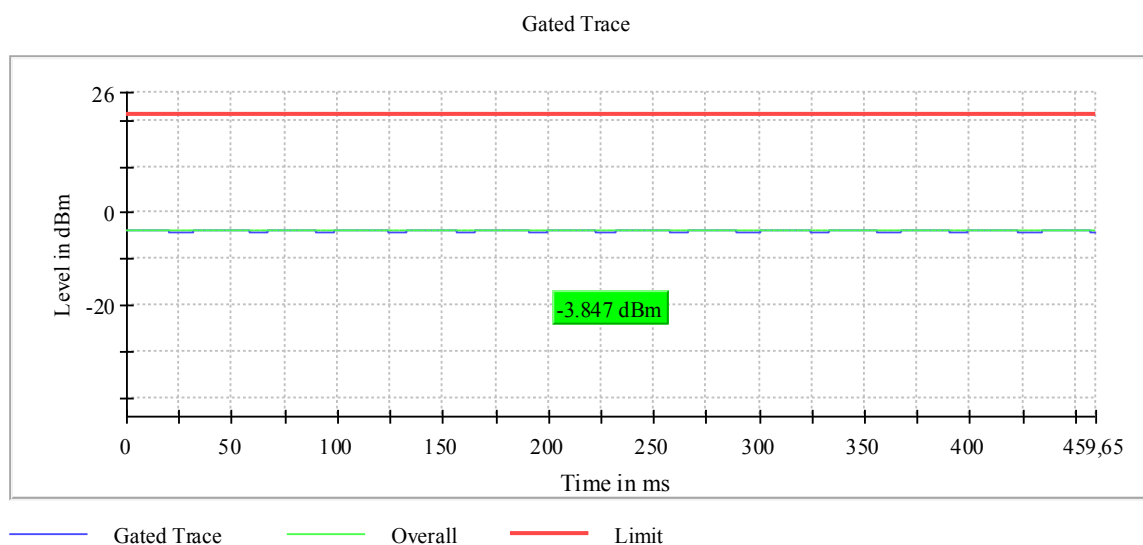
Plot 175: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, mid channel 39, 2441 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-3.9	21.0	-3.9	46.269	PASS



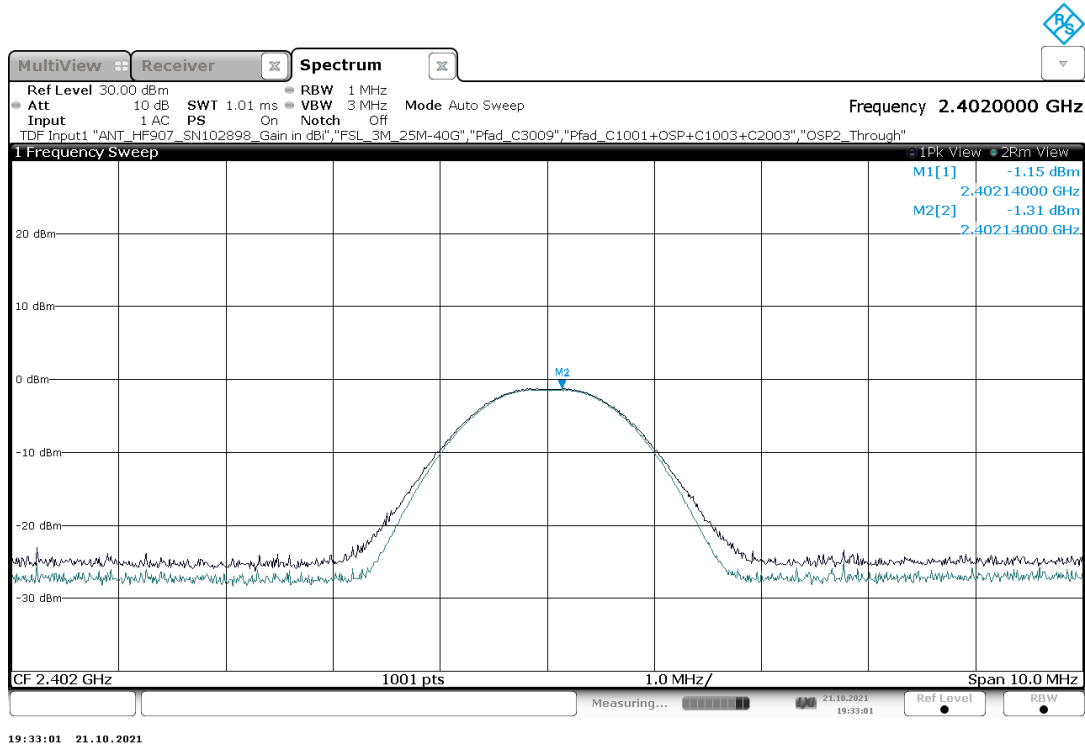
Plot 176: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, high channel 78, 2480 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-3.8	21.0	-3.8	46.271	PASS

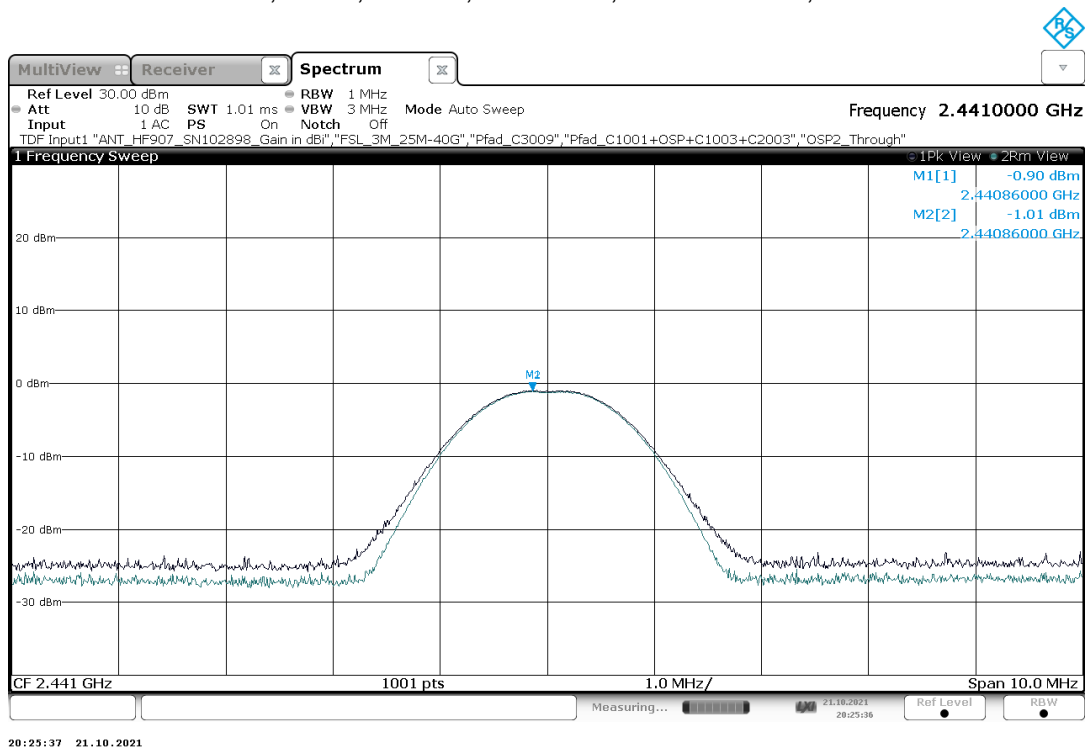


2.10.2 Radiated Peak Power (Peak EIRP)

Plot 177: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, low channel 0, 2402 MHz

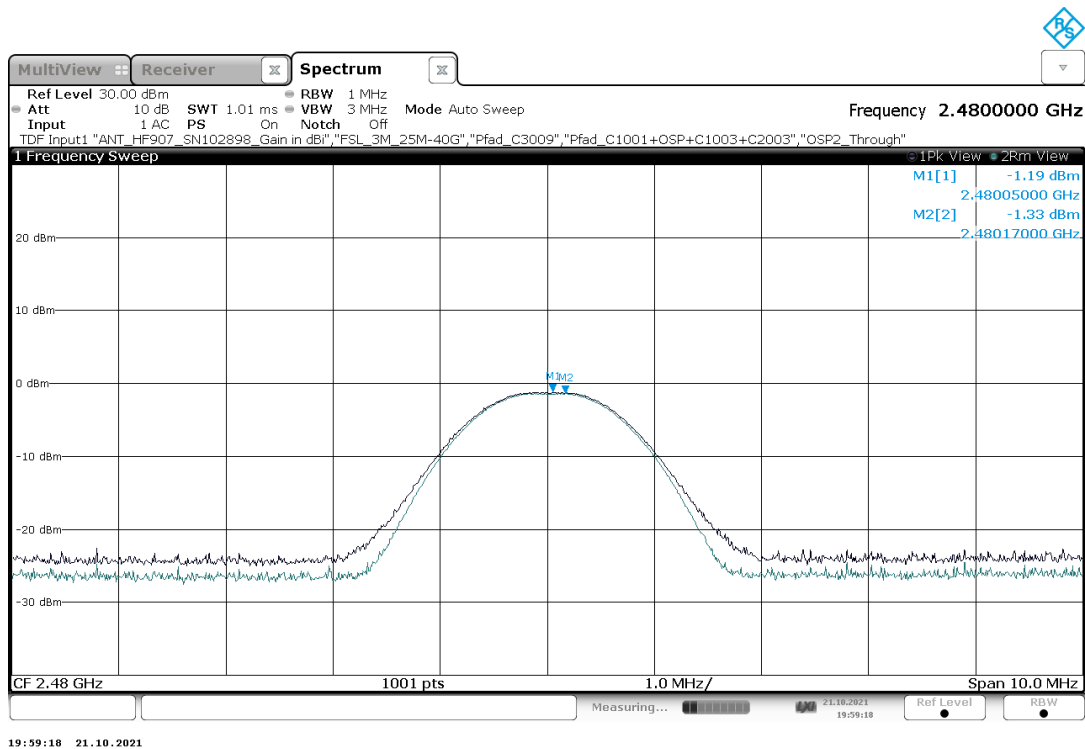


Plot 178: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, mid channel 39, 2440 MHz



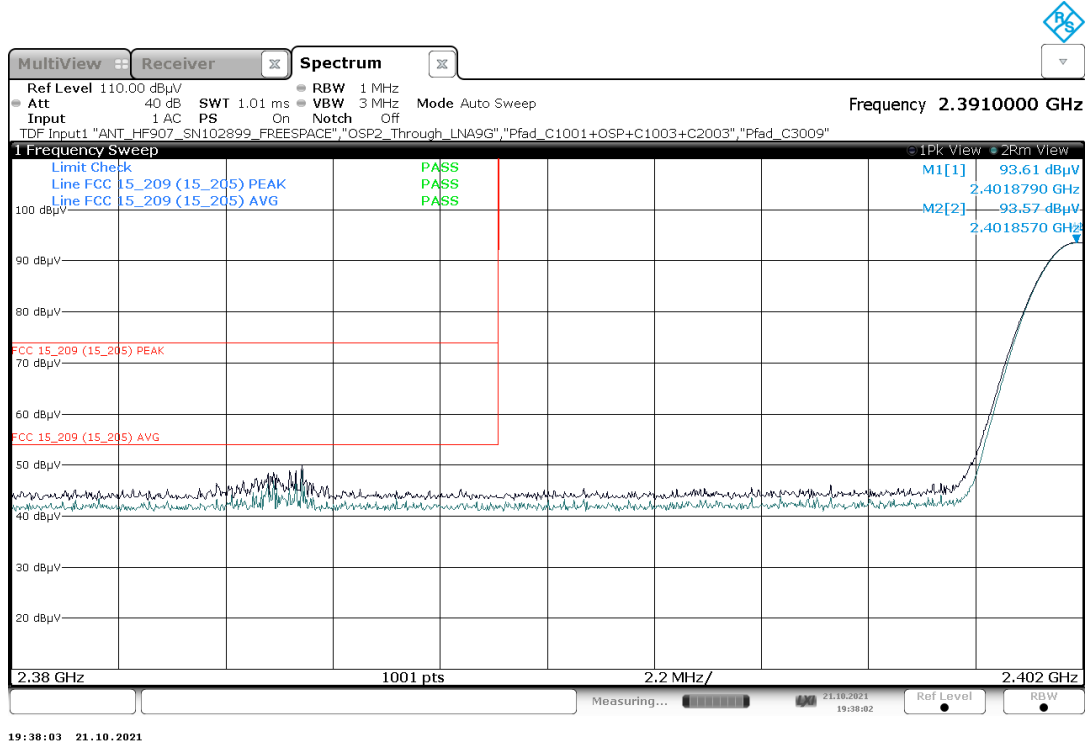
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Plot 179: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, high channel 78, 2480 MHz

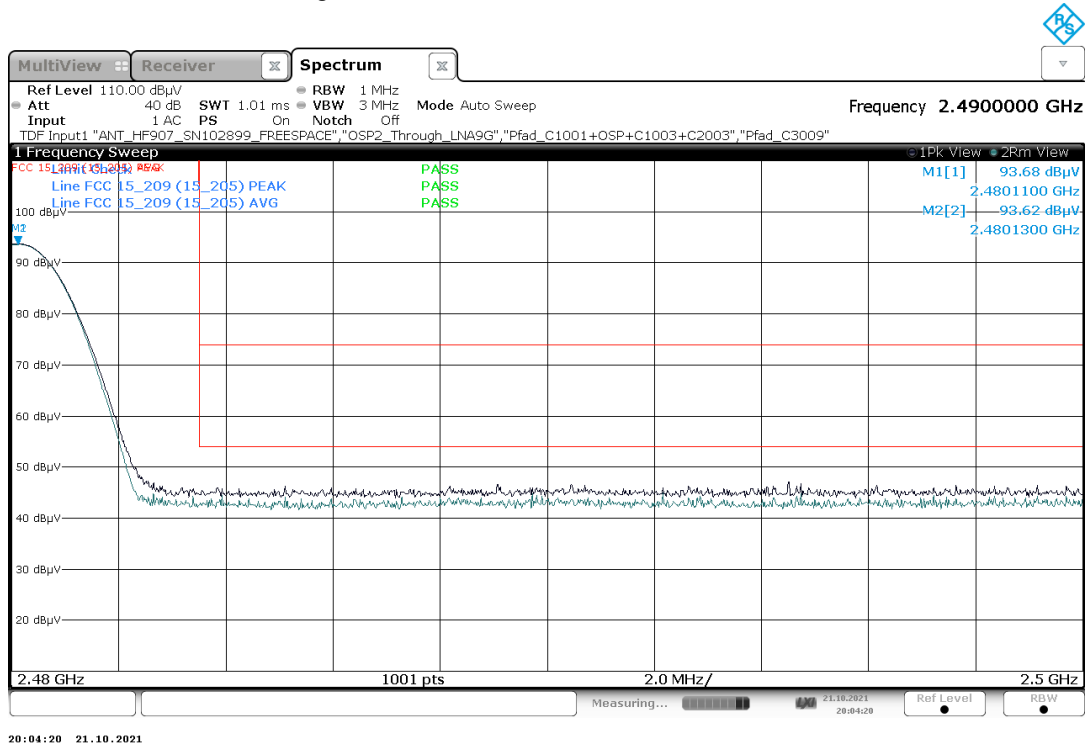


2.10.3 Band Edge Compliance (BEC), radiated

Plot 180: Mode 1, BEC, low channel 0

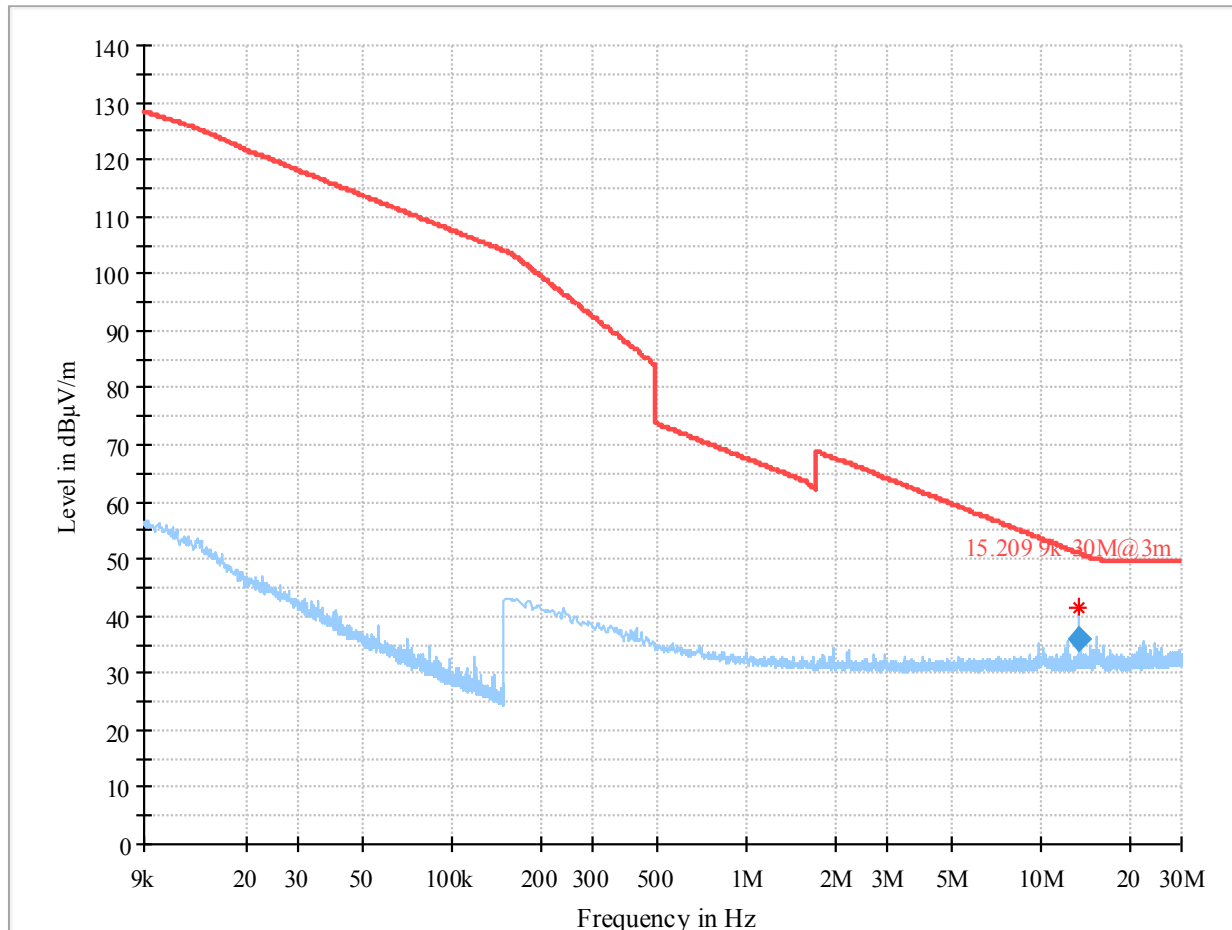


Plot 181: Mode 1, BEC, high channel 78



2.10.4 Radiated Spurious Emissions (RSE)

Plot 182: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



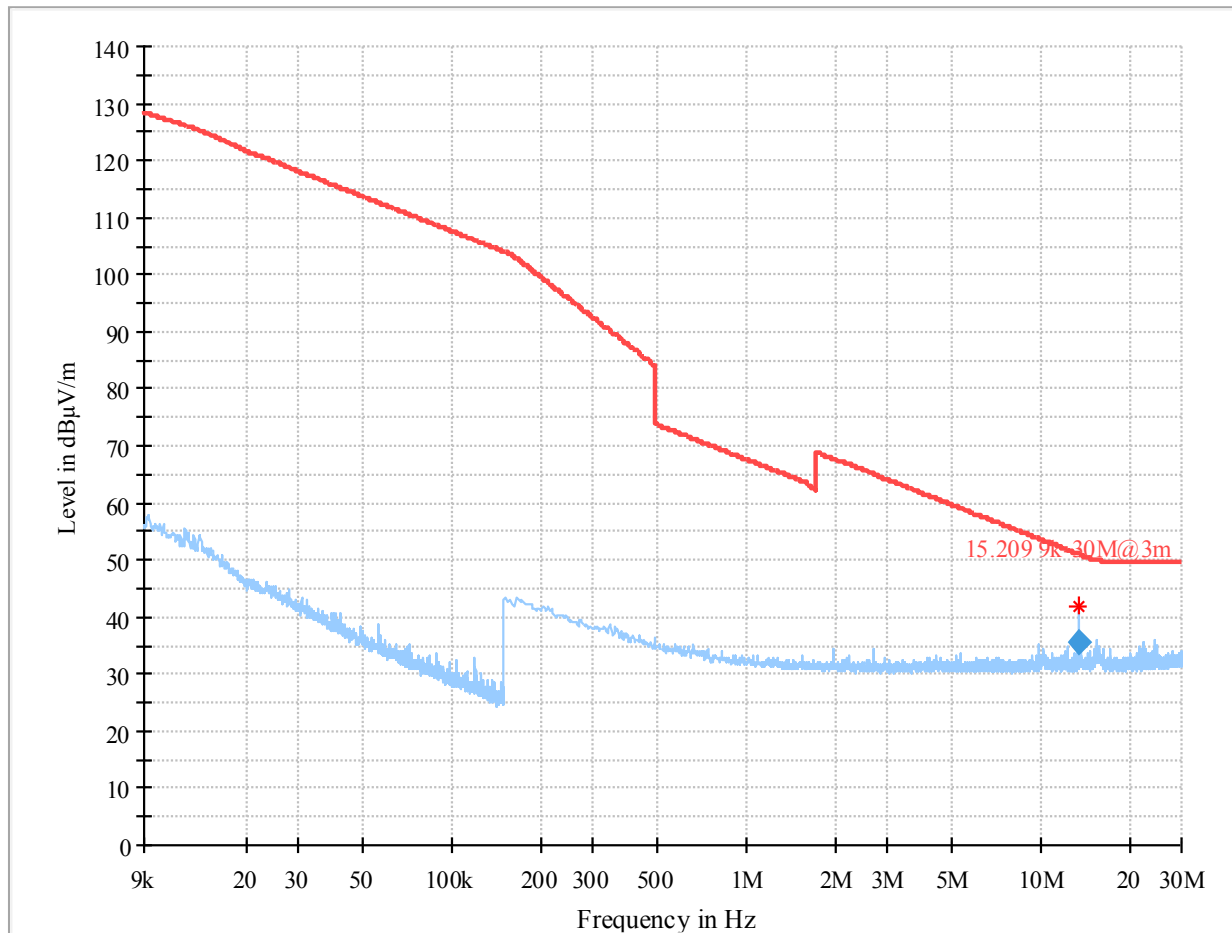
Final_Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	36.13	50.94	14.81	100.0	9.000	H	120.0	20.5

(continuation of the "Final_Result" table from column above)

Frequency (MHz)	Comment
13.560000	05:13:09 - 19.10.2021

Plot 183: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna



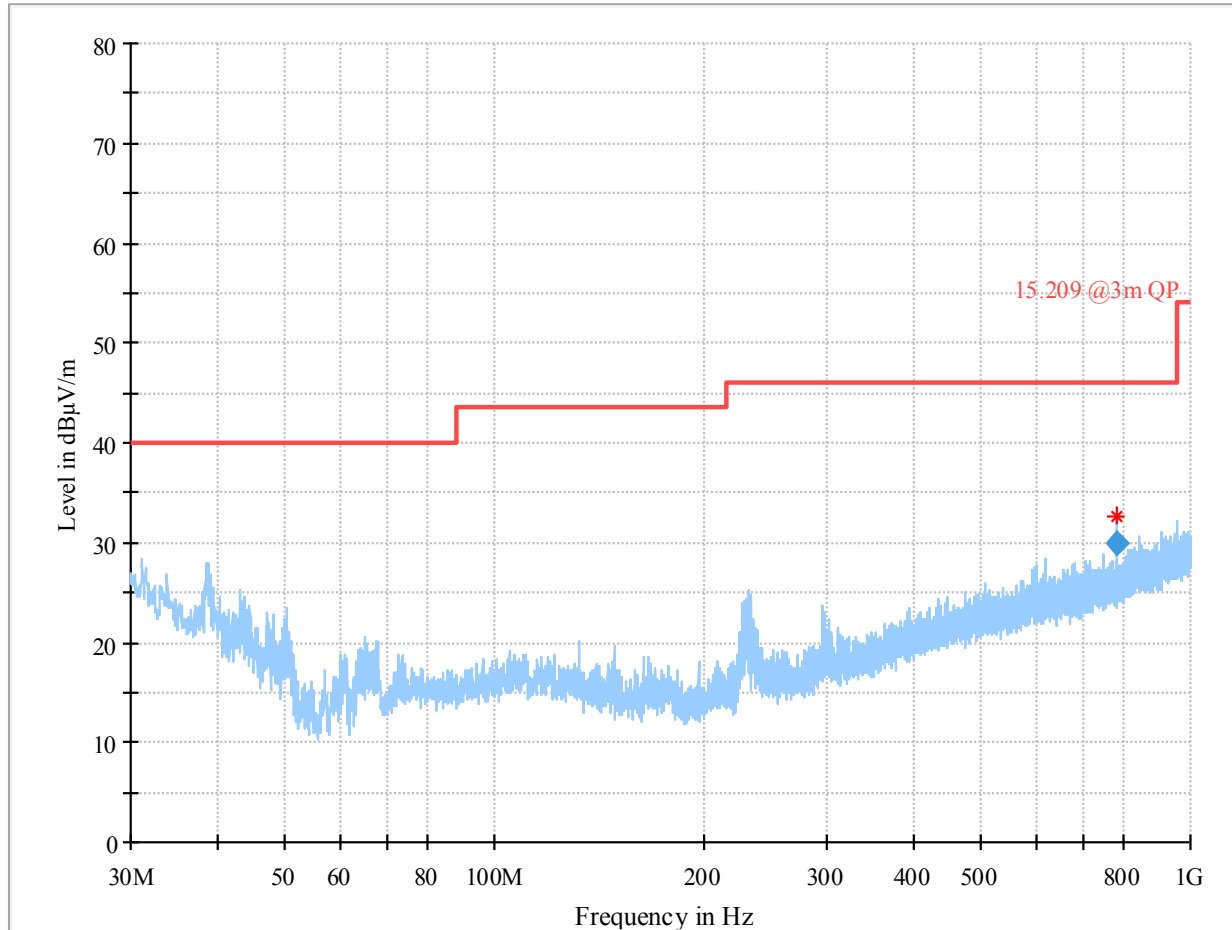
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	35.51	50.94	15.43	100.0	9.000	V	21.0	20.5

(continuation of the "Final_Result" table from column above)

Frequency (MHz)	Comment
13.560000	05:29:01 - 19.10.2021

Plot 184: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation



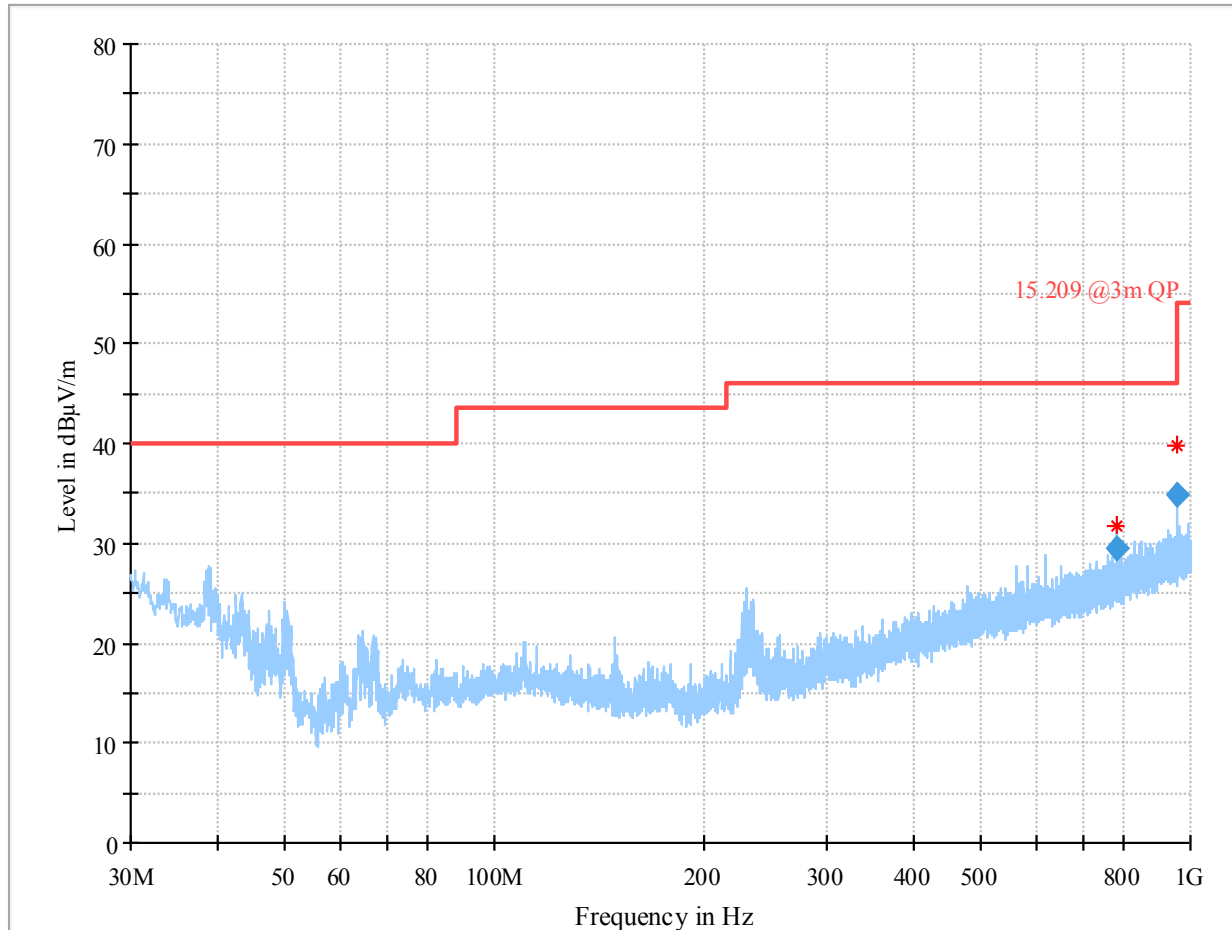
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
785.703500	29.99	46.00	16.01	100.0	120.000	100.0	H	93.0

(continuation of the "Final_Result" table from column above)

Frequency (MHz)	Corr. (dB/m)	Comment
785.703500	21.8	00:37:14 - 19.10.2021

Plot 185: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



Final_Result

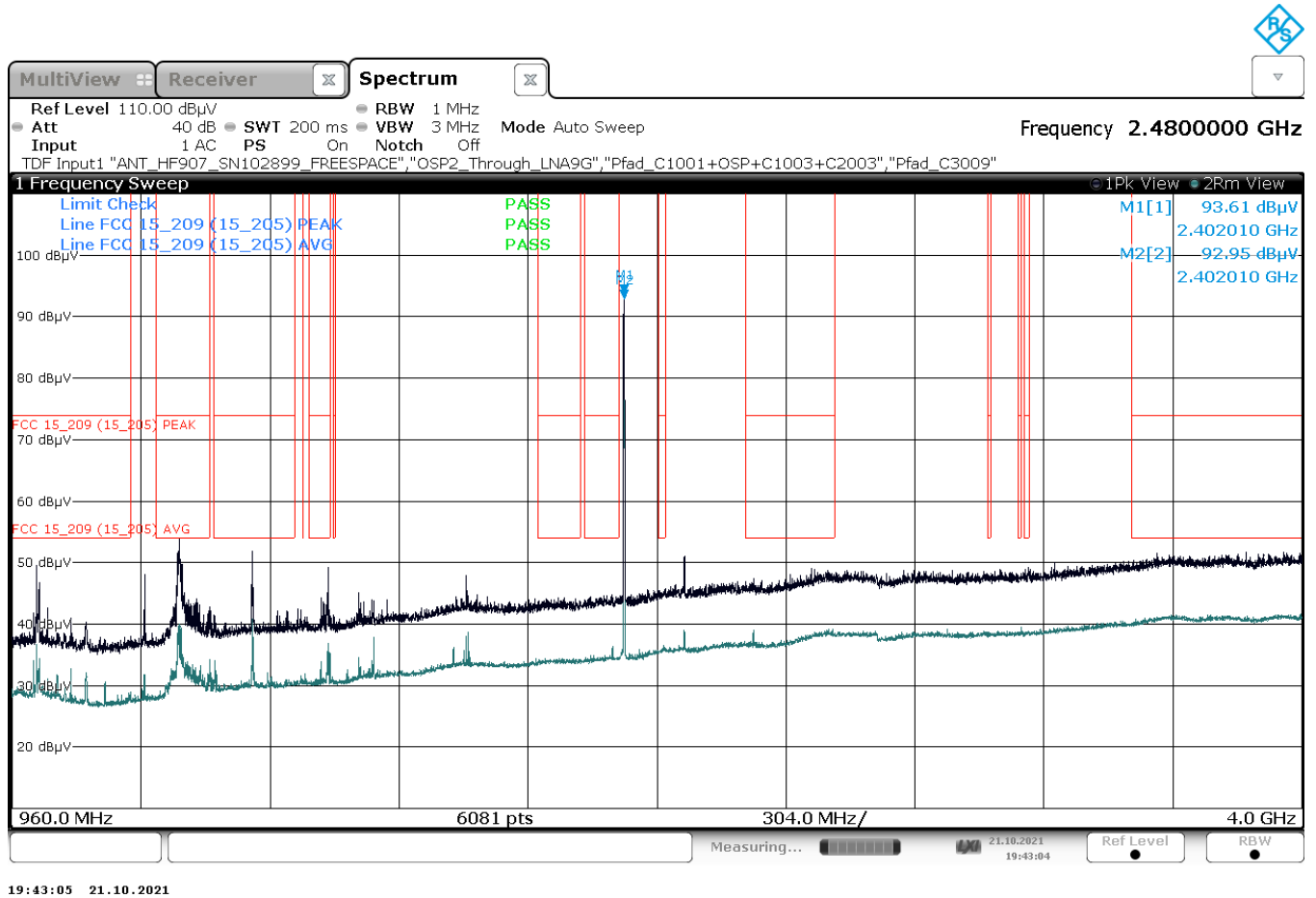
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
785.702000	29.56	46.00	16.44	100.0	120.000	100.0	H	86.0
954.045500	34.95	46.00	11.05	100.0	120.000	133.0	H	38.0

(continuation of the "Final_Result" table from column above)

Frequency (MHz)	Corr. (dB/m)	Comment
785.702000	21.8	00:54:34 - 19.10.2021
954.045500	23.5	00:52:26 - 19.10.2021

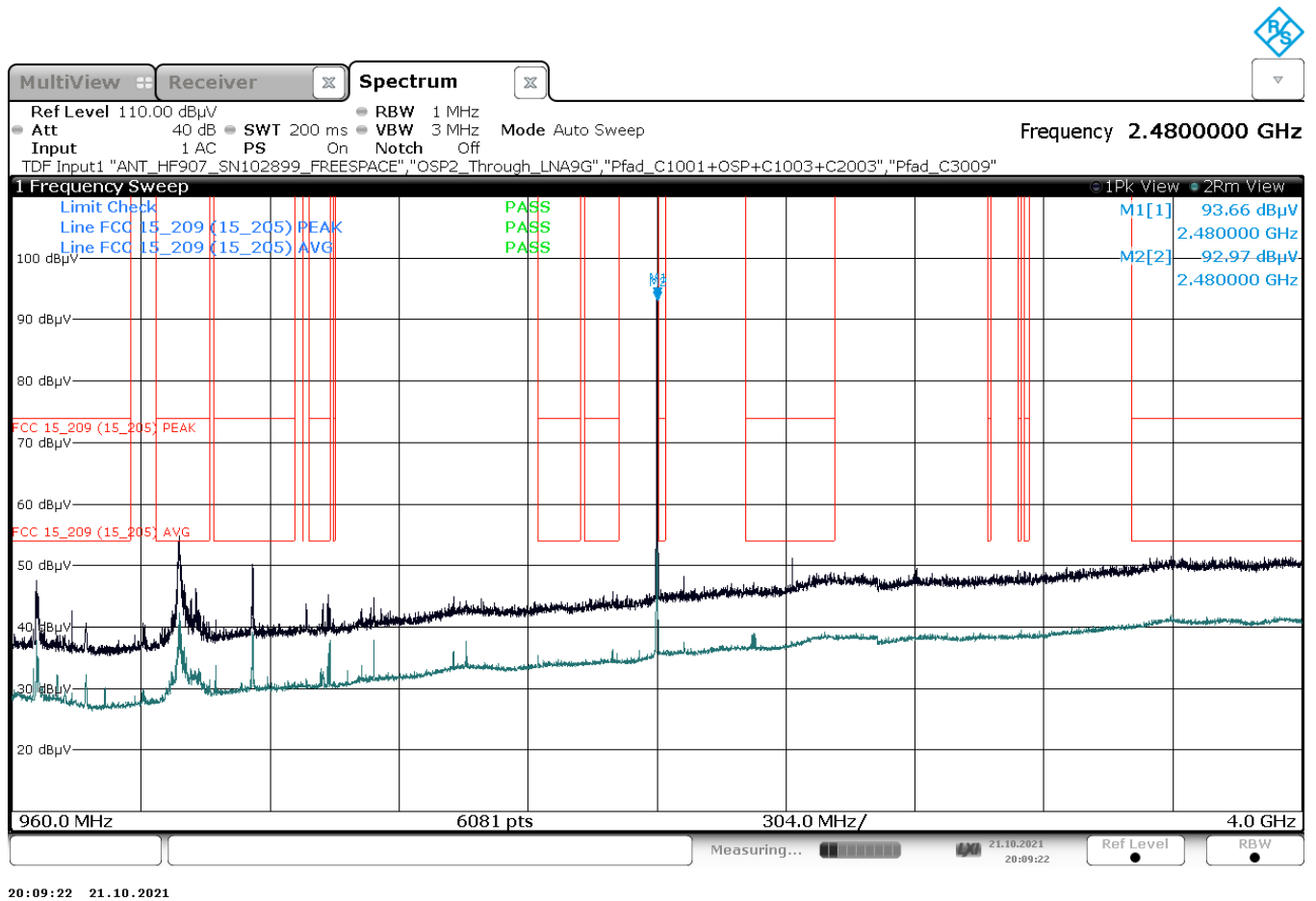
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Plot 186: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



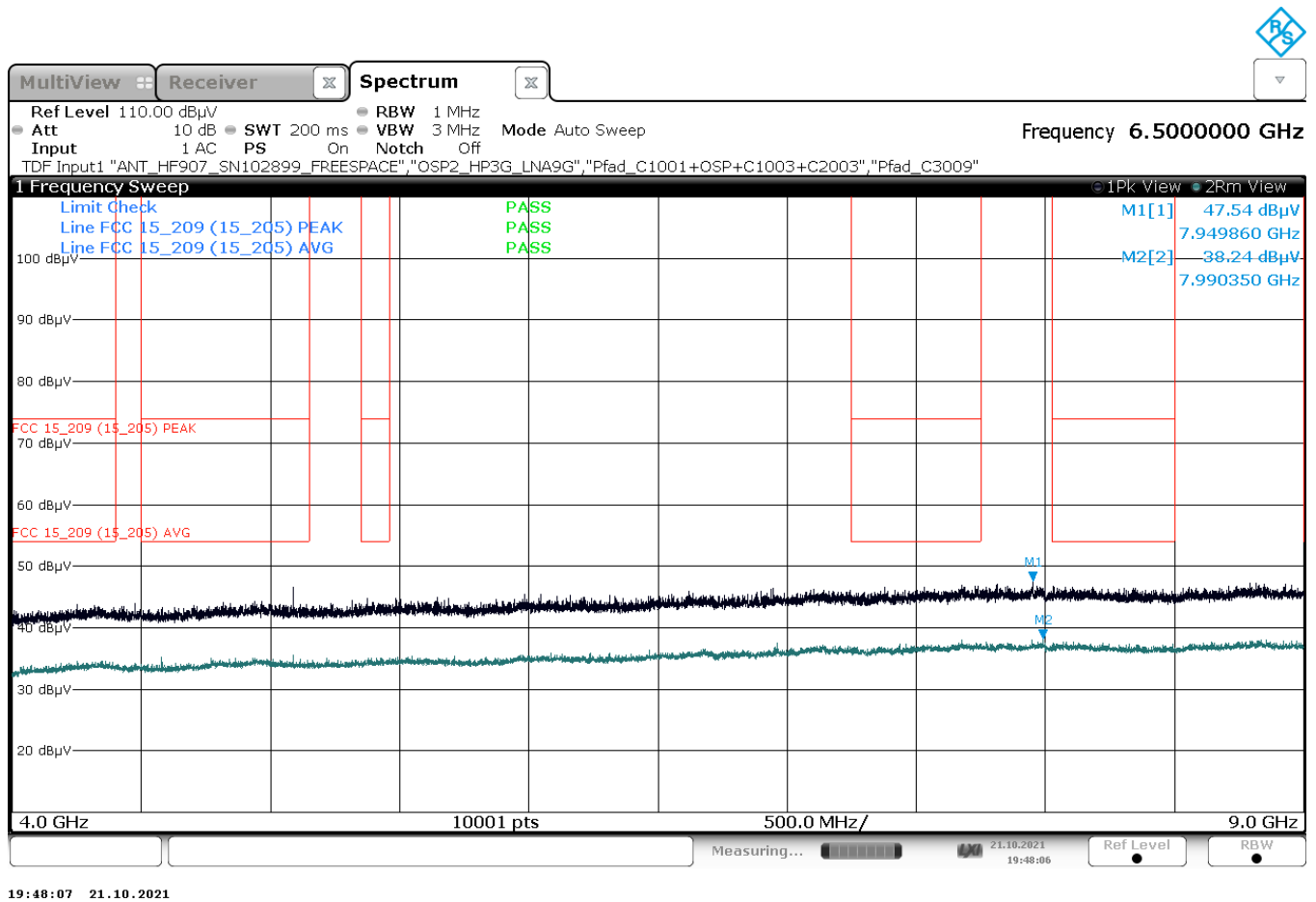
Annex A of TR no.: 21086128-23001-1

Plot 187: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



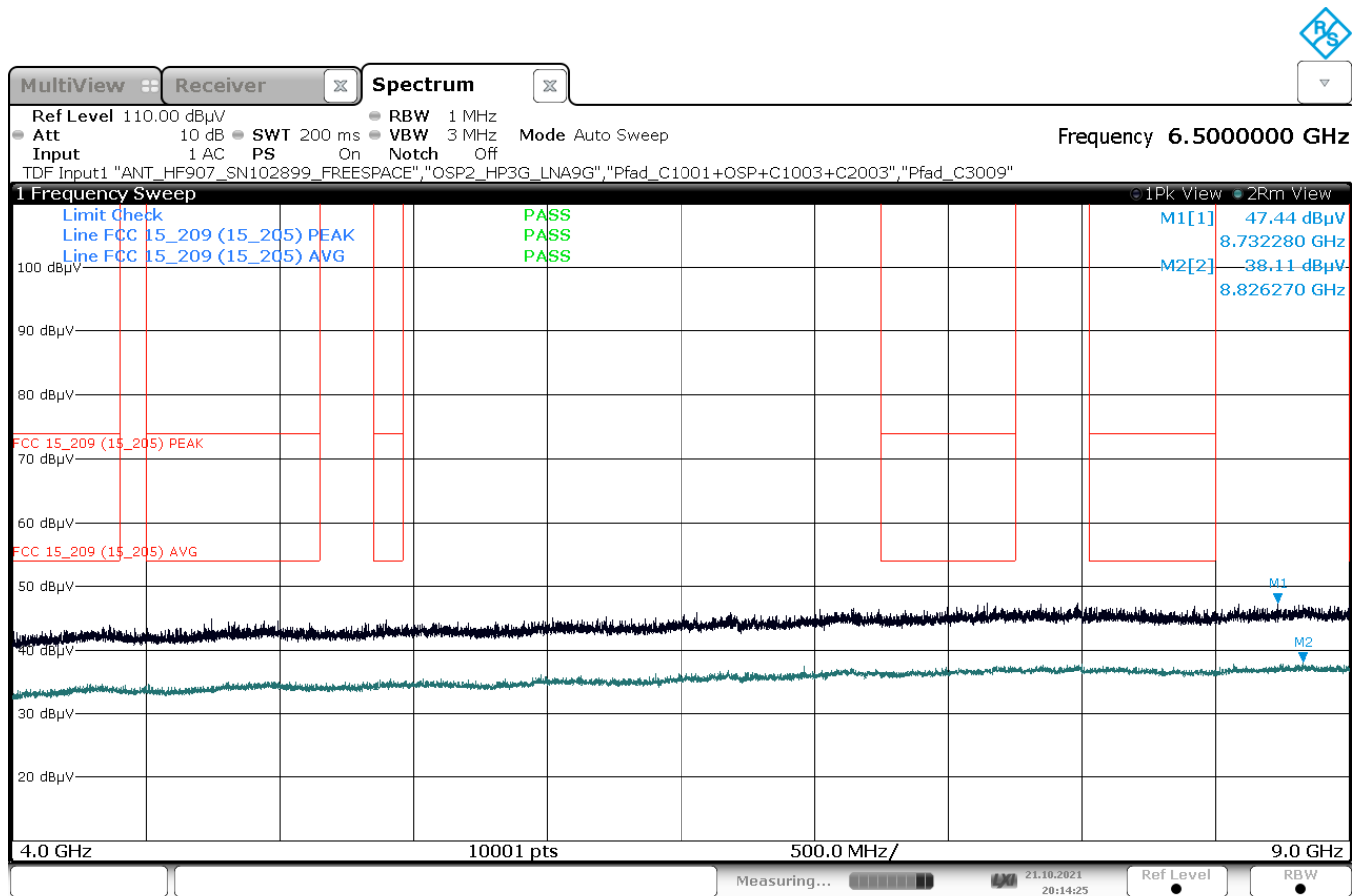
Annex A of TR no.: 21086128-23001-1

Plot 188: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



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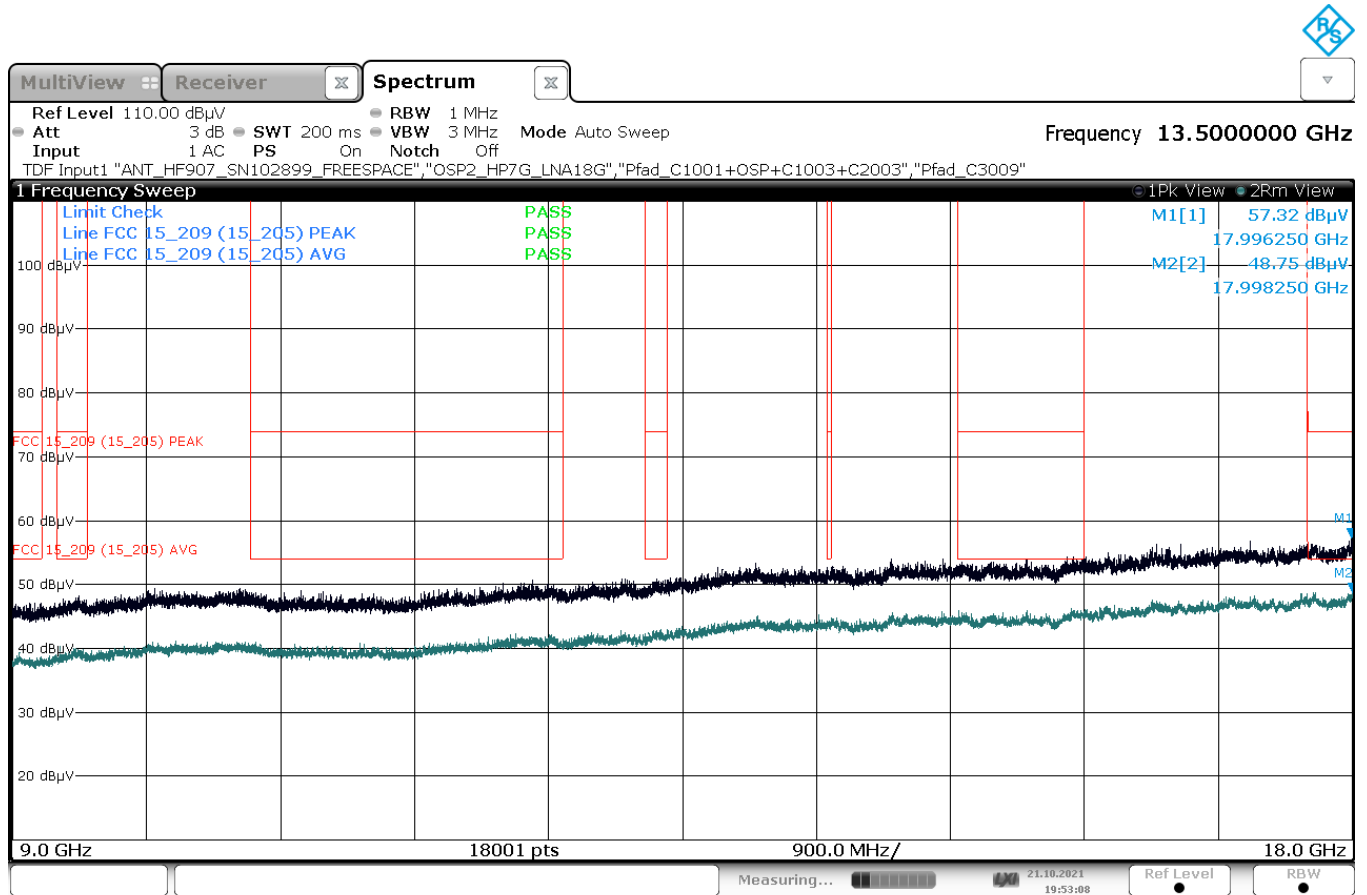
Plot 189: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



20:14:25 21.10.2021

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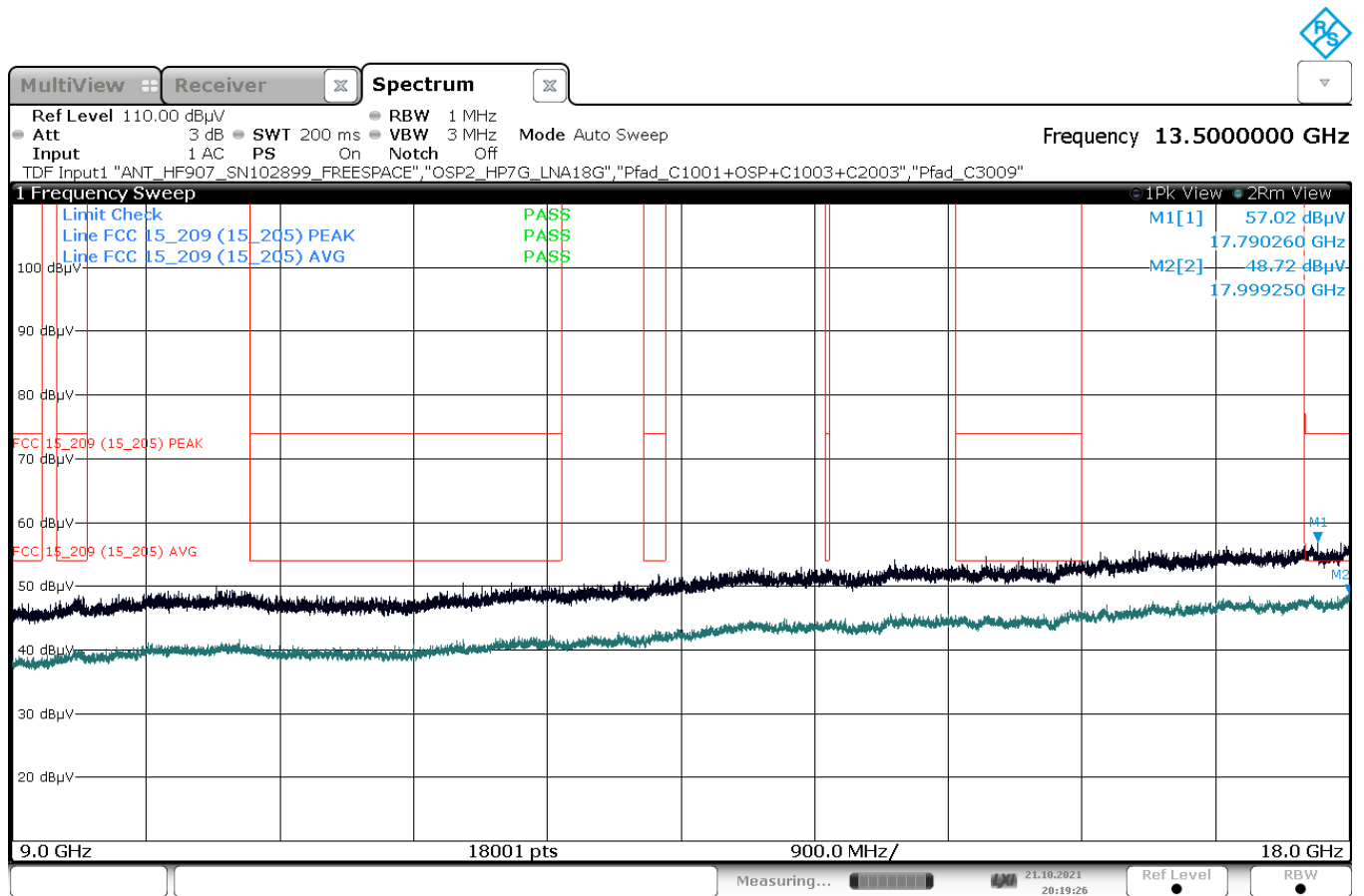
Plot 190: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation



19:53:09 21.10.2021

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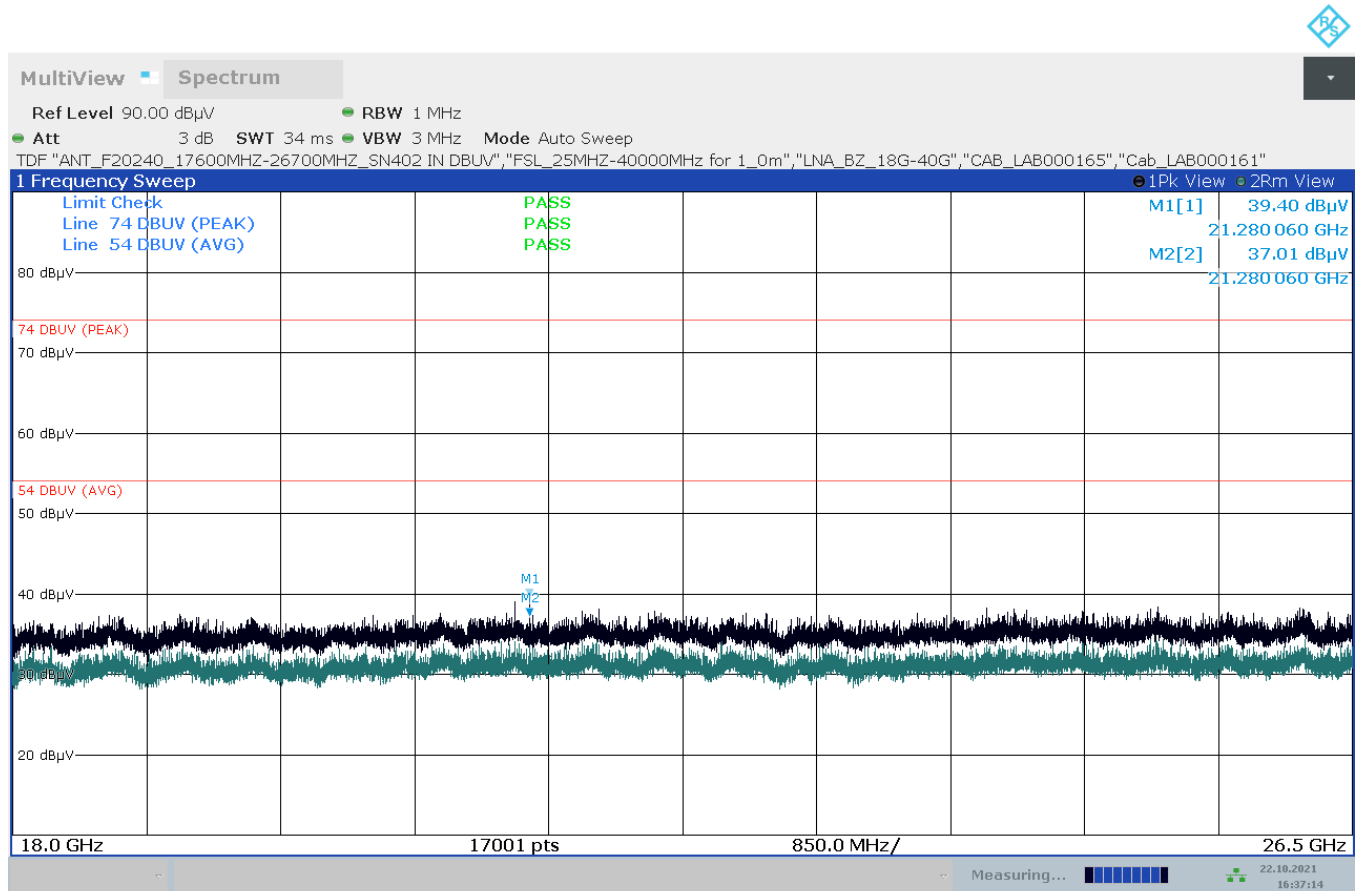
Plot 191: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



20:19:27 21.10.2021

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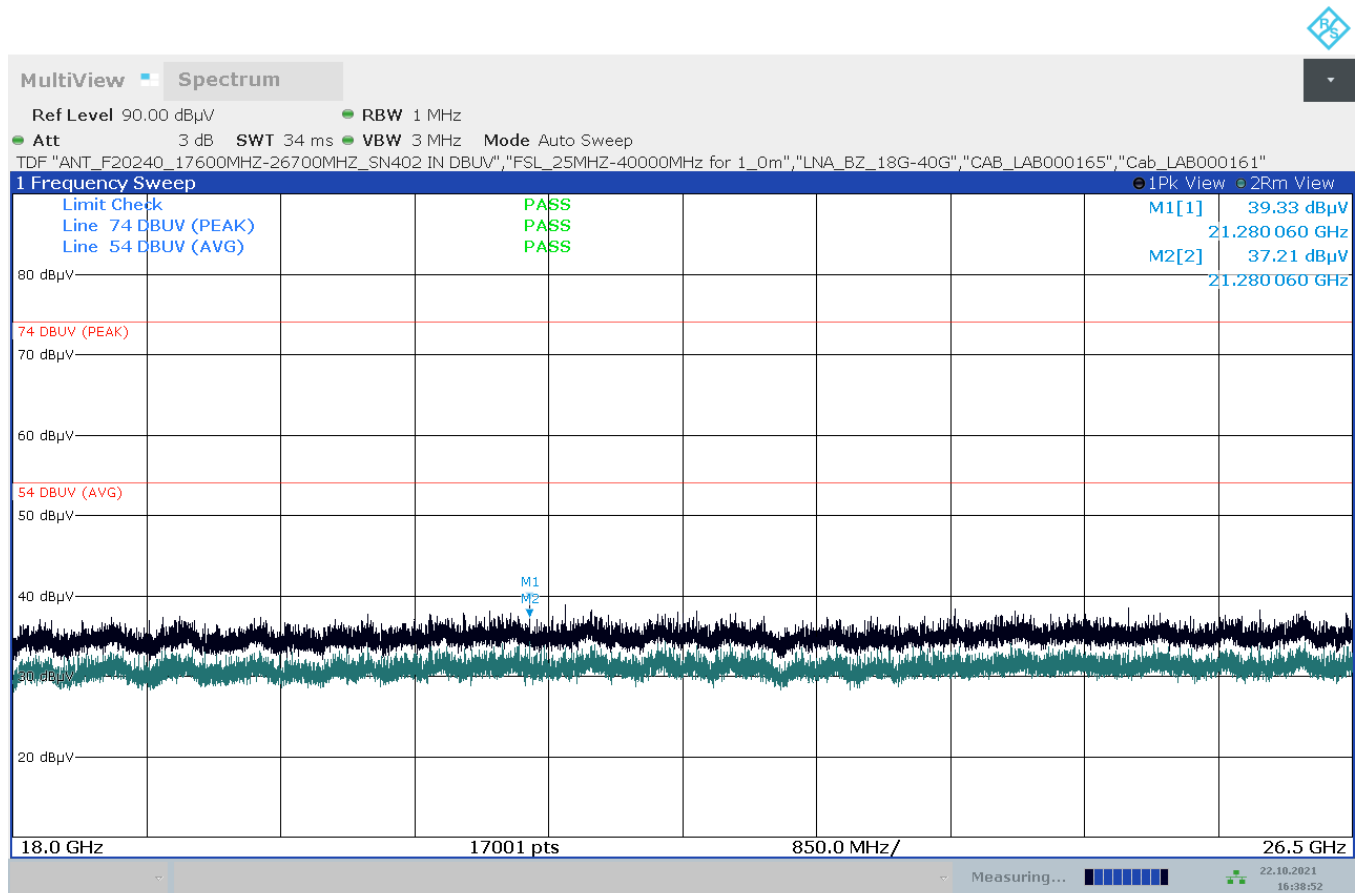
Plot 192: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



16:37:14 22.10.2021

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Plot 193: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



16:38:52 22.10.2021

3 Revision History

-0 Initial Version

-1 Revision: administrative modification/correction

Change of HVIN

This test report 21086128-23001-1 replaces the previous test report 21086128-23001-0

End of Annex
