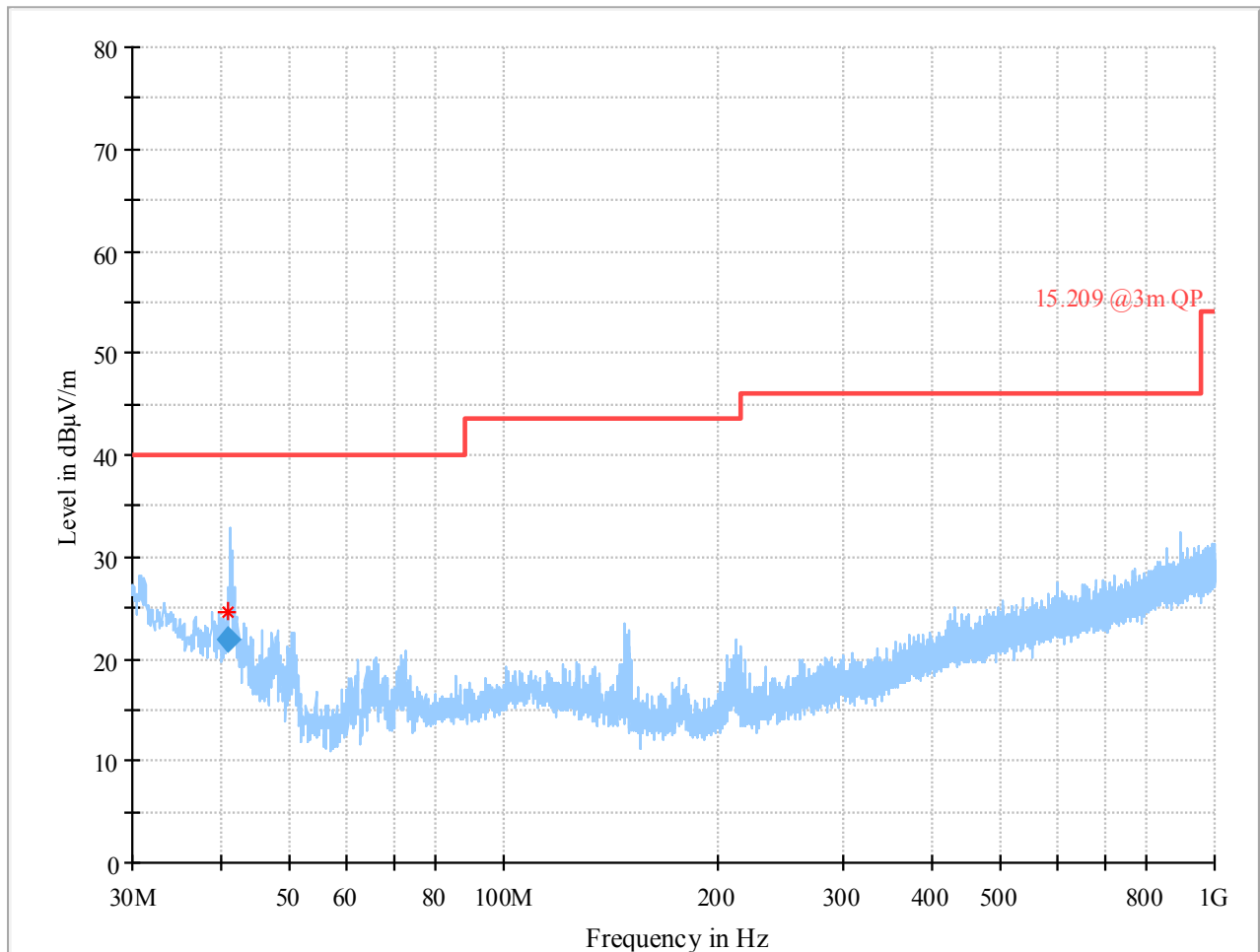


Plot 88: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation, EUT laying



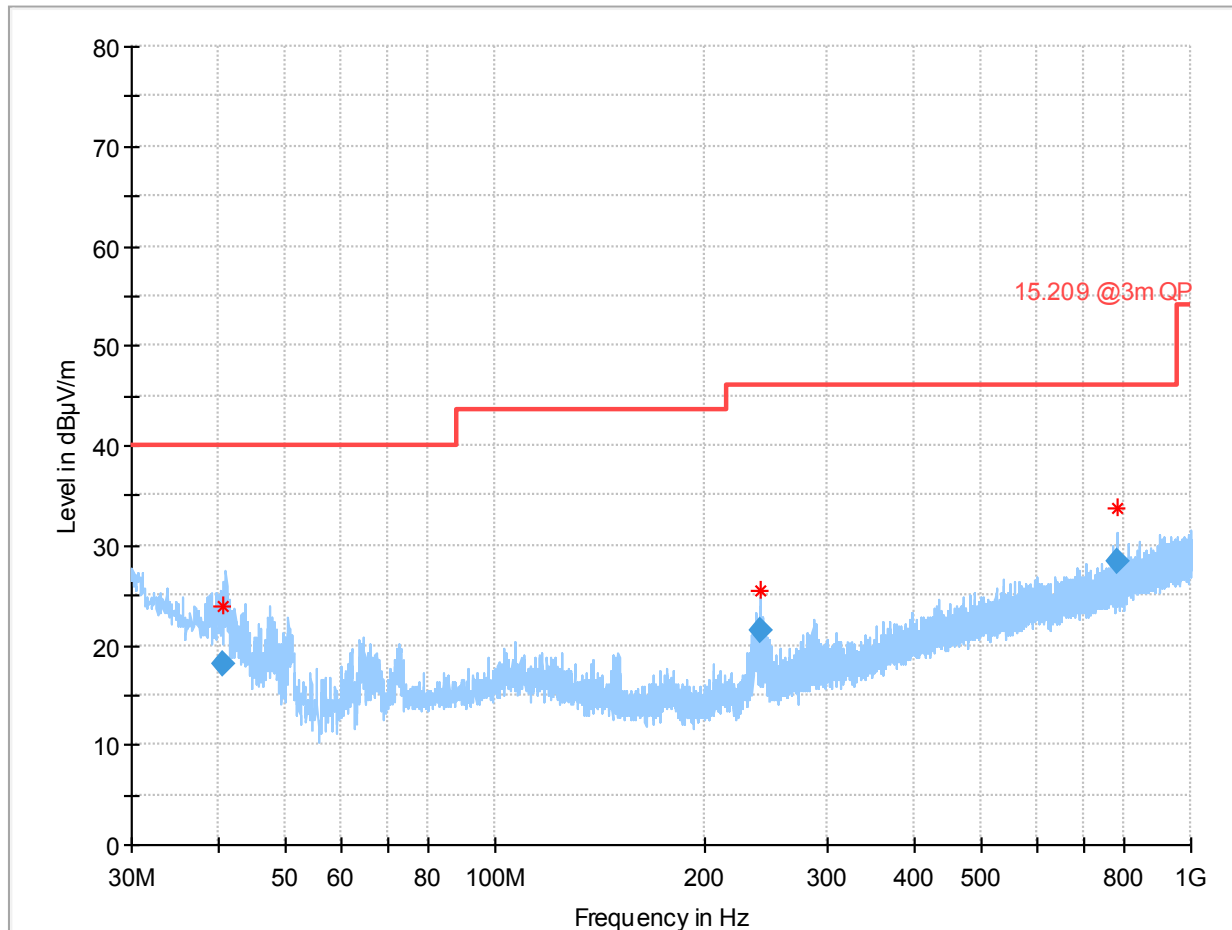
Final_Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
40.777000	21.95	40.00	18.05	100.0	120.000	100.0	H	80.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
40.777000	14.3	04:03:16 - 17.10.2021

Plot 89: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation, EUT standing



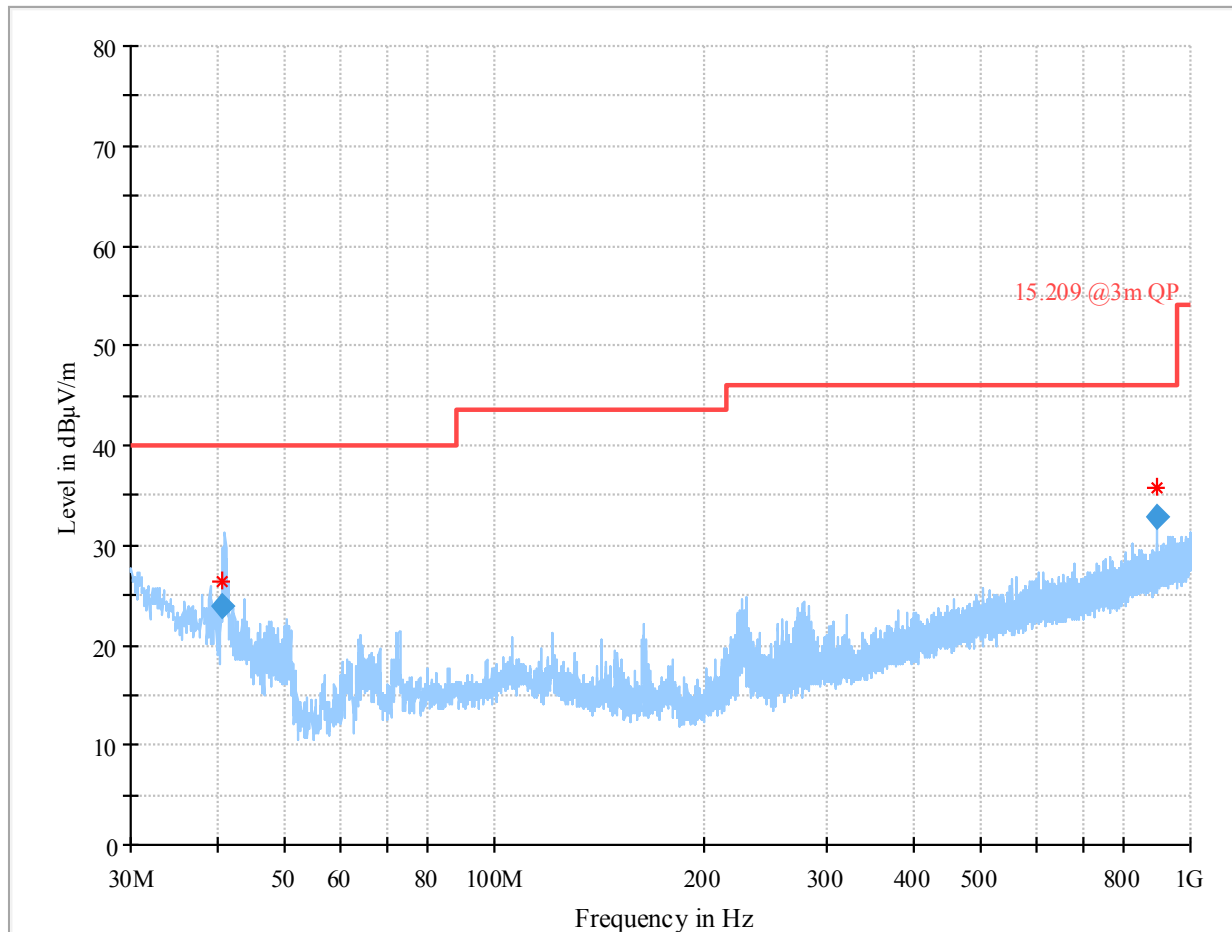
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
40.511000	18.11	40.00	21.89	100.0	120.000	100.0	V	244.0
240.493000	21.38	46.00	24.62	100.0	120.000	100.0	V	337.0
785.702000	28.32	46.00	17.68	100.0	120.000	103.0	V	158.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
40.511000	14.5	04:18:29 - 17.10.2021
240.493000	11.9	04:20:34 - 17.10.2021
785.702000	21.8	04:16:21 - 17.10.2021

Plot 90: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation, EUT laying



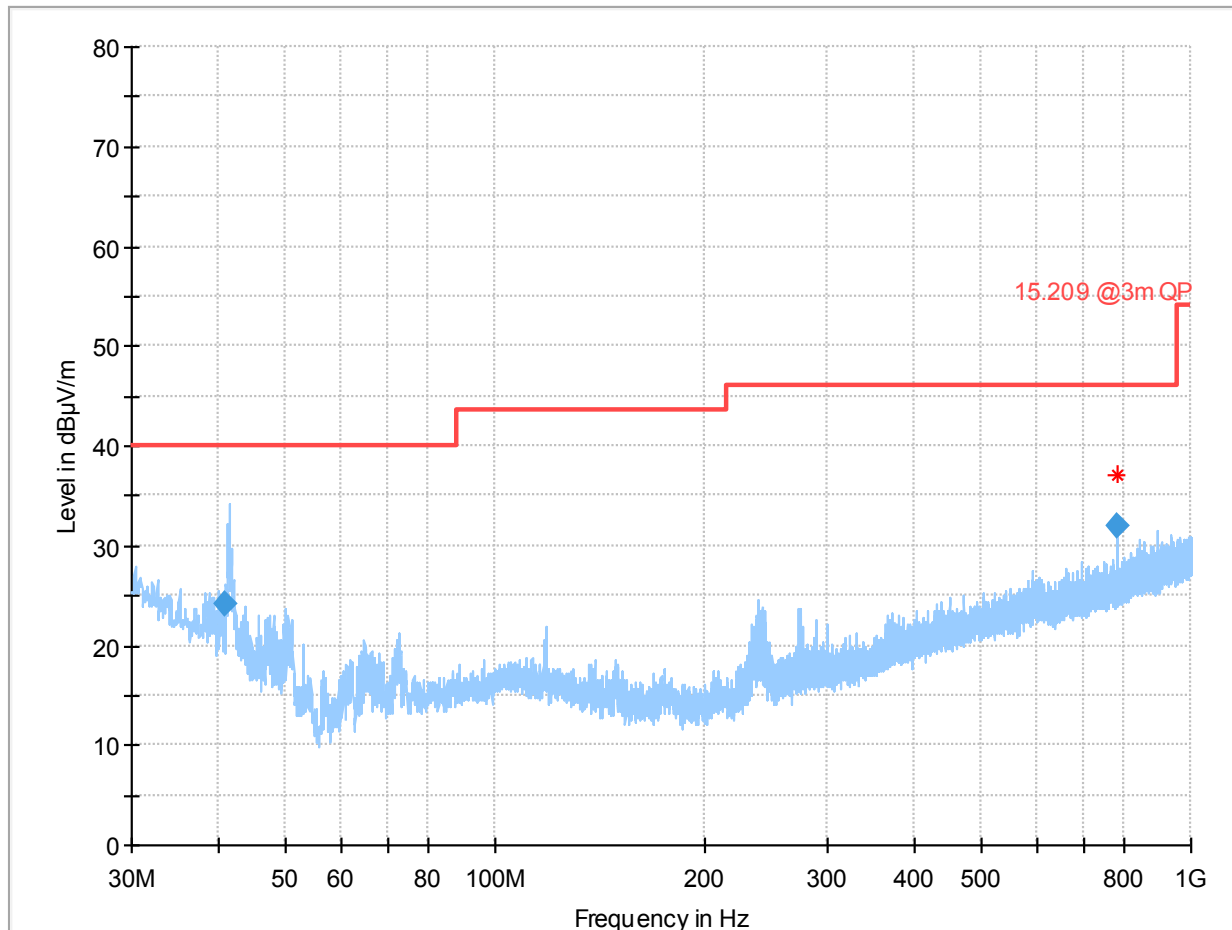
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
40.509500	23.97	40.00	16.03	100.0	120.000	103.0	H	30.0
897.954500	32.82	46.00	13.18	100.0	120.000	123.0	V	5.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
40.509500	14.5	04:48:30 - 17.10.2021
897.954500	23.1	04:51:43 - 17.10.2021

Plot 91: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation, EUT standing



Final_Result

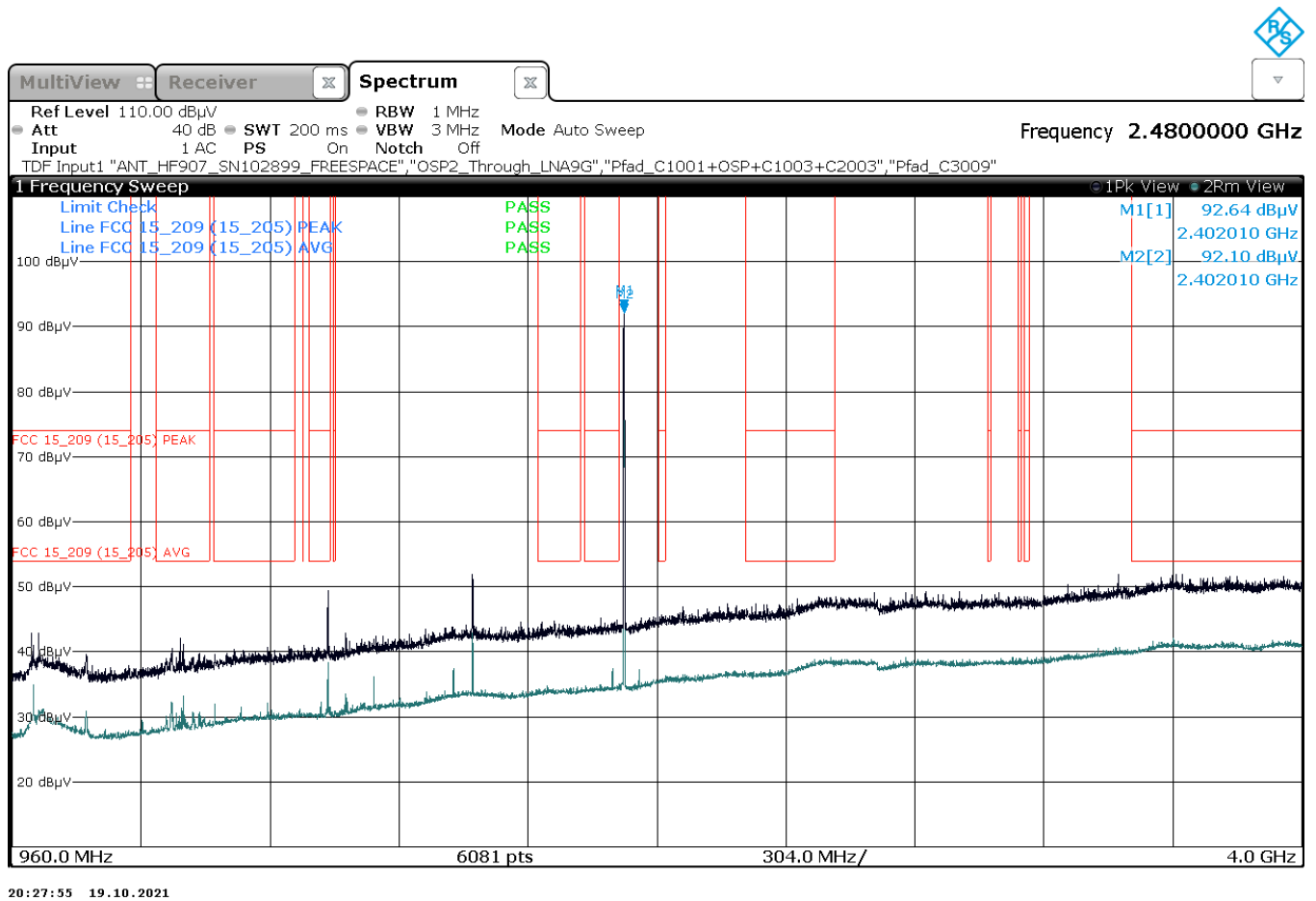
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
40.994500	24.10	40.00	15.90	100.0	120.000	103.0	H	74.0
785.702000	31.94	46.00	14.06	100.0	120.000	100.0	H	256.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
40.994500	14.2	04:34:27 - 17.10.2021
785.702000	21.8	04:36:55 - 17.10.2021

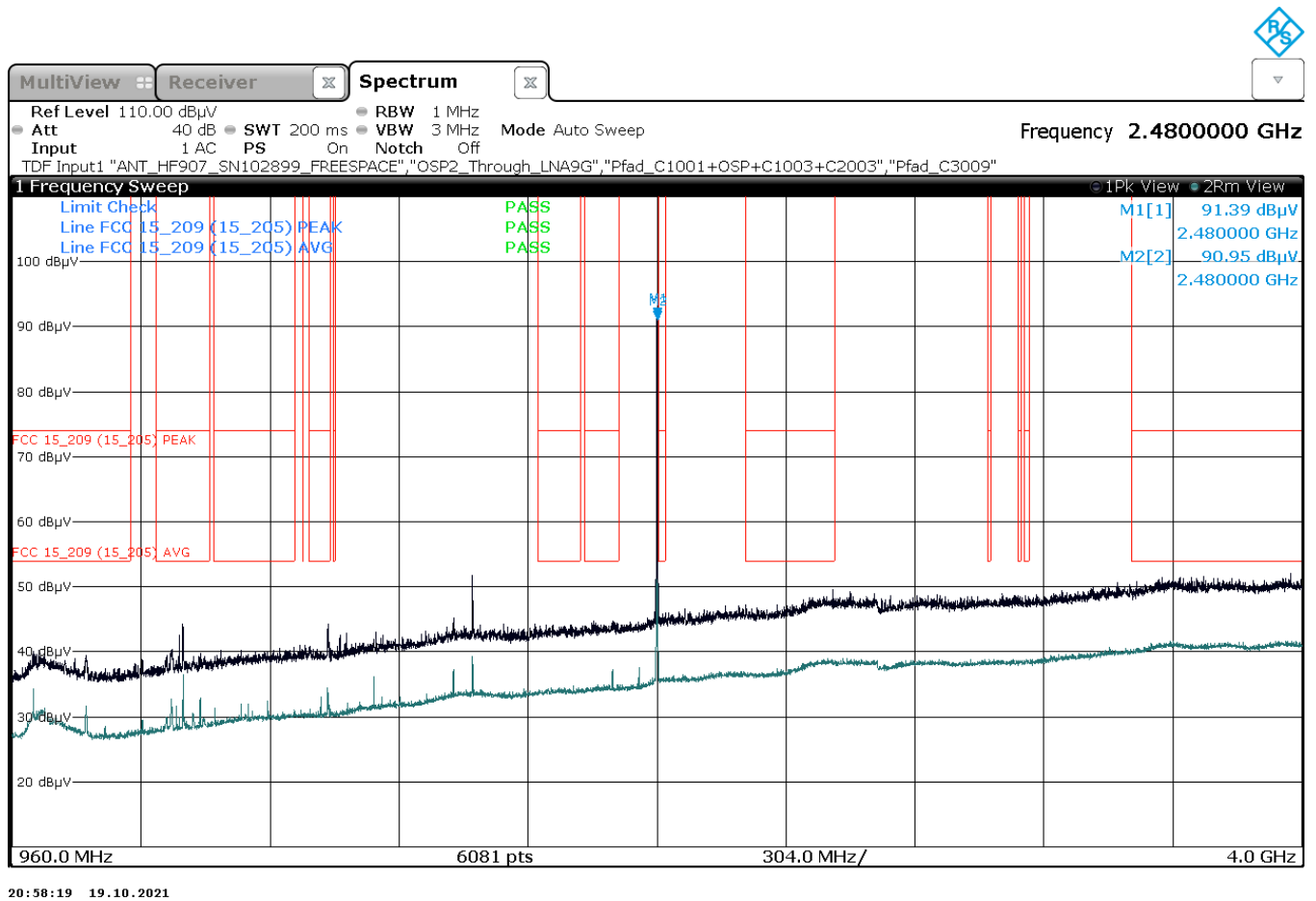
Annex A of TR no.: 21086128-23001-1

Plot 92: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



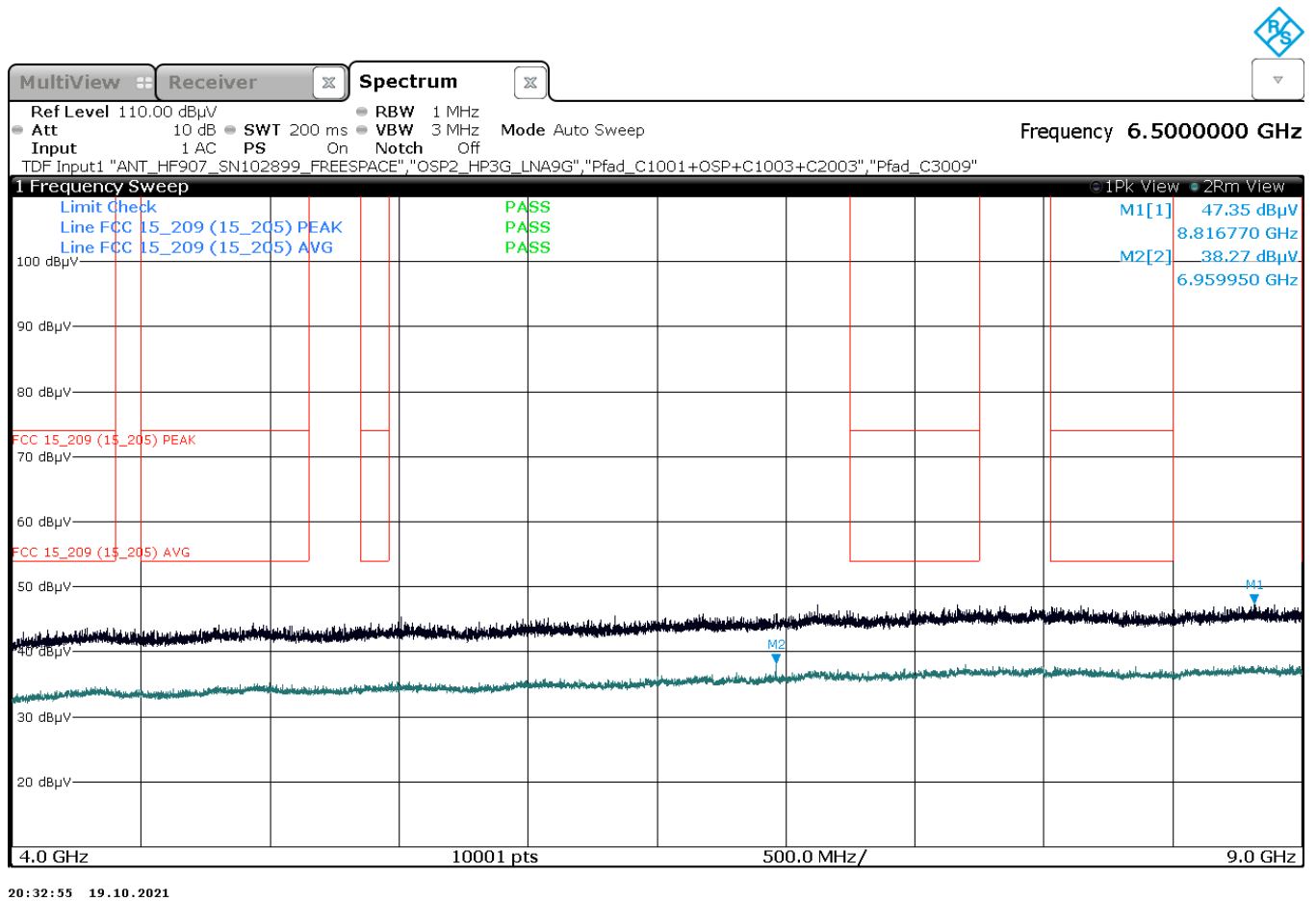
Annex A of TR no.: 21086128-23001-1

Plot 93: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



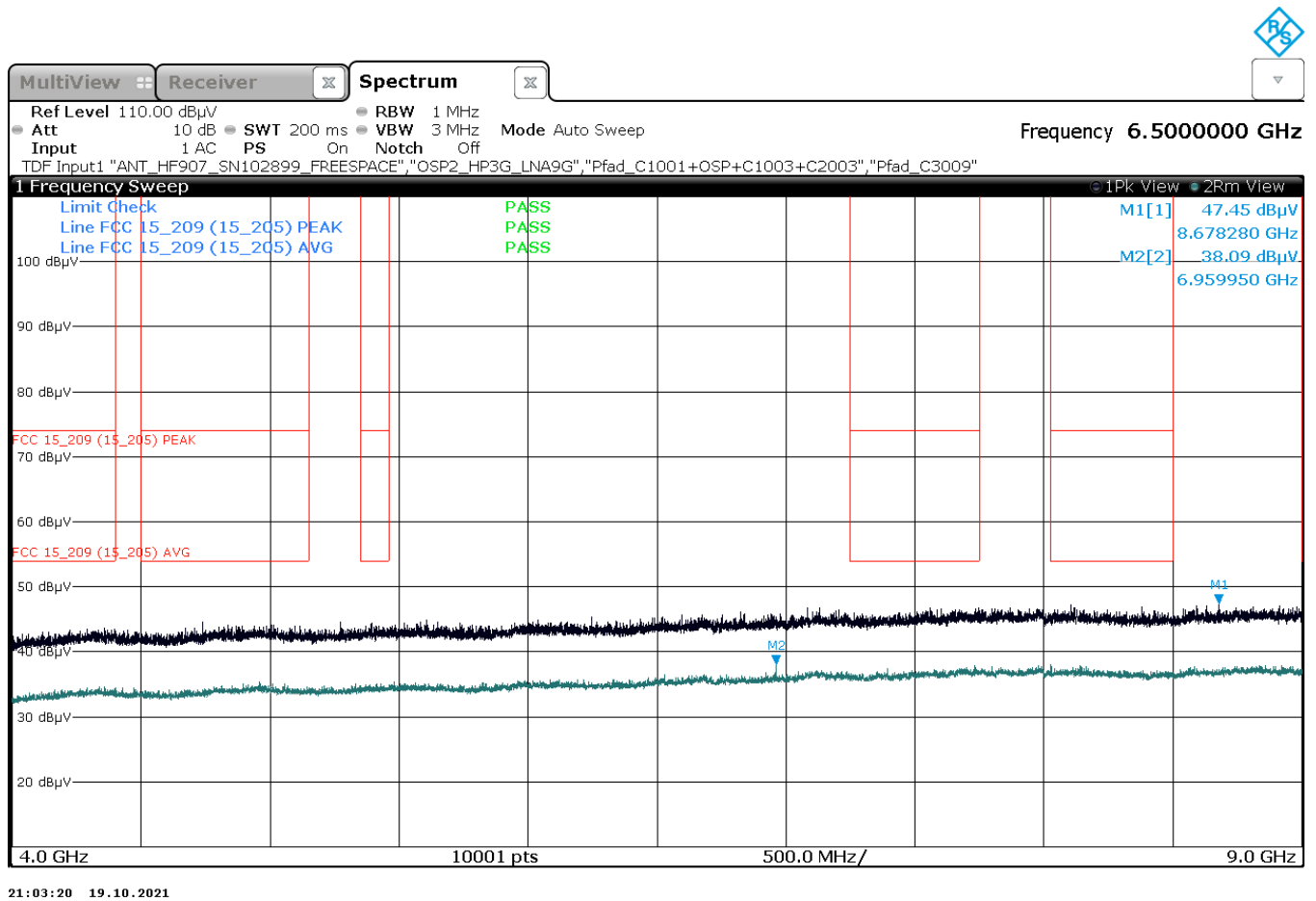
Annex A of TR no.: 21086128-23001-1

Plot 94: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



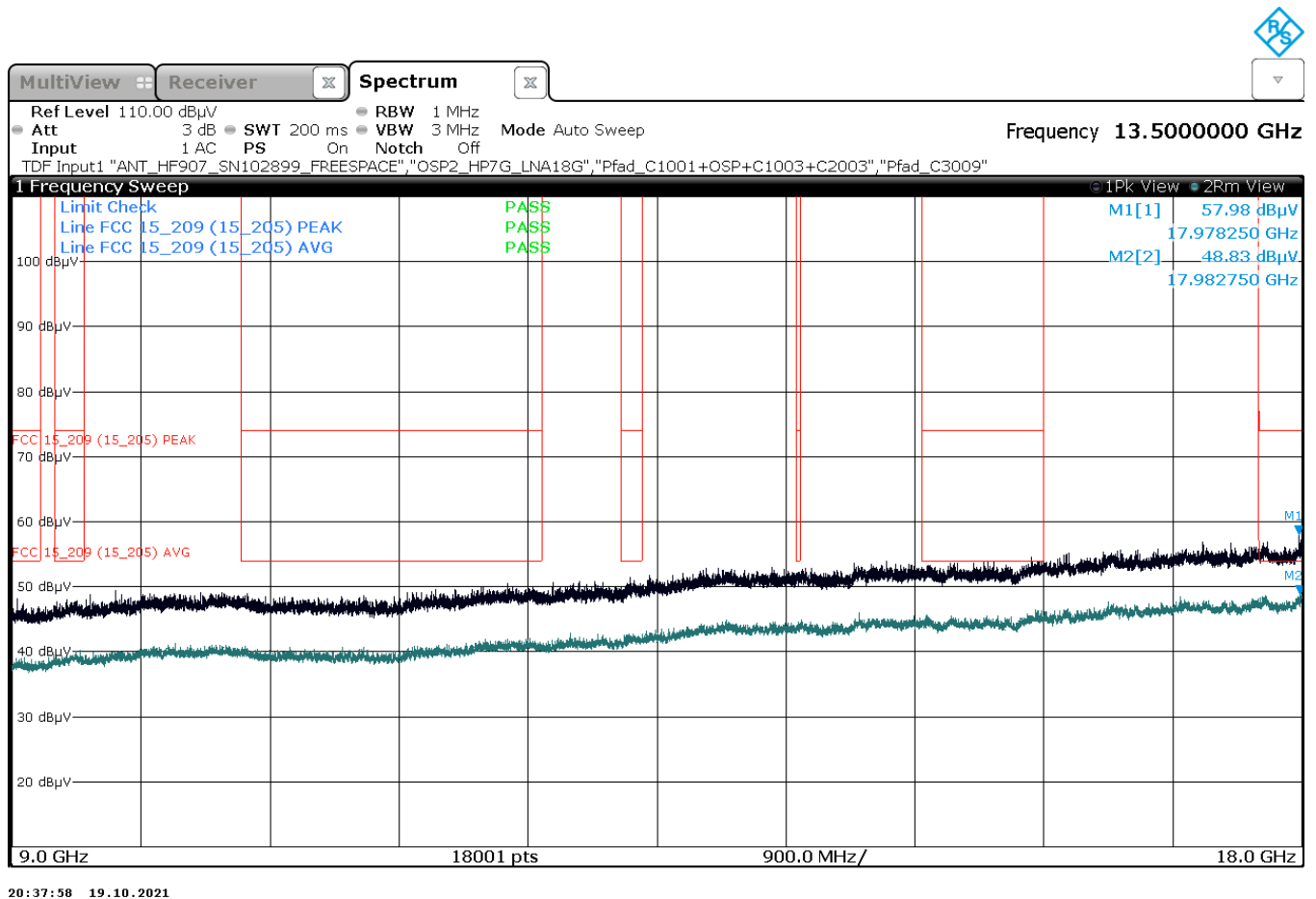
Annex A of TR no.: 21086128-23001-1

Plot 95: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



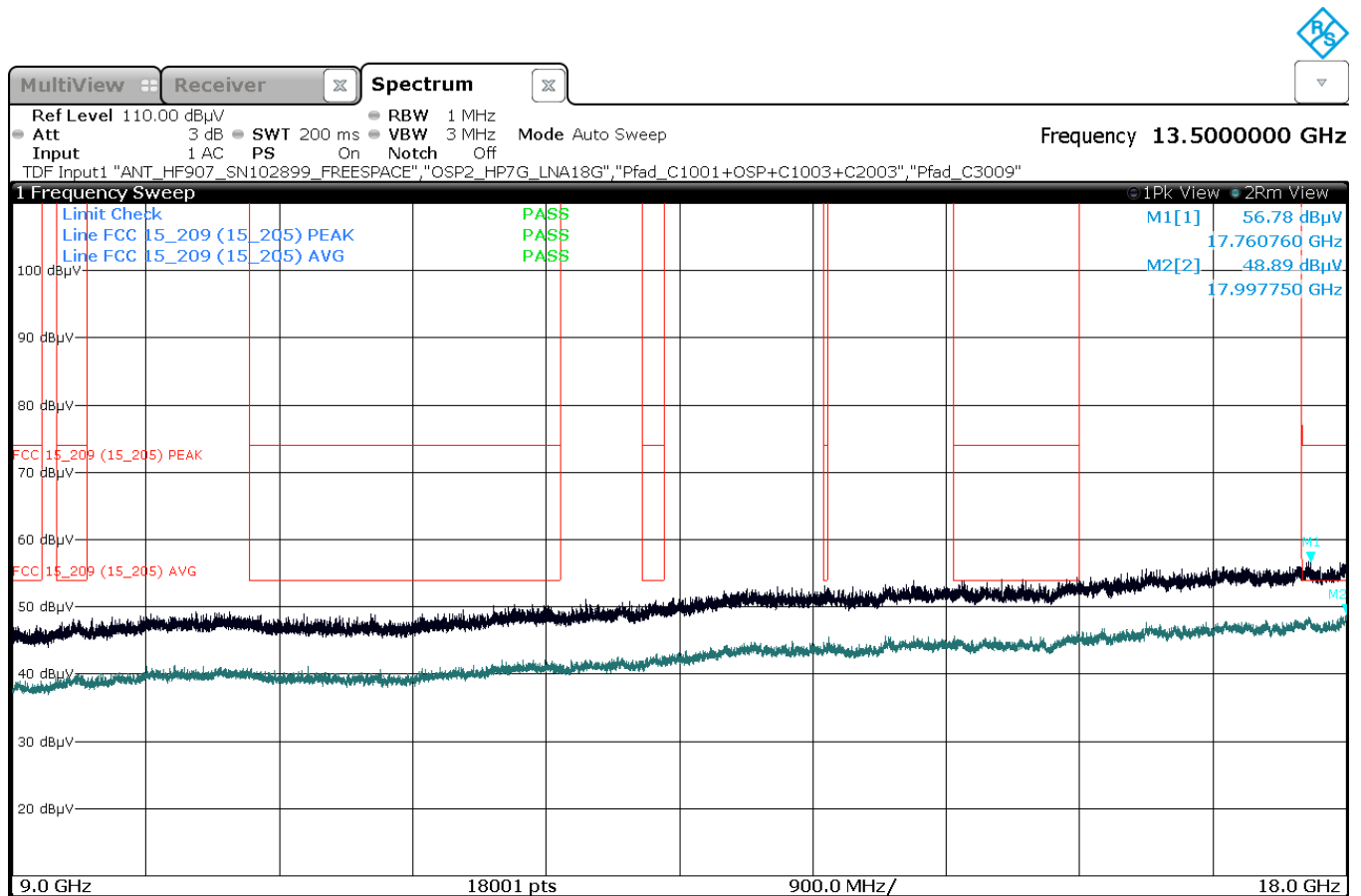
Annex A of TR no.: 21086128-23001-1

Plot 96: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation



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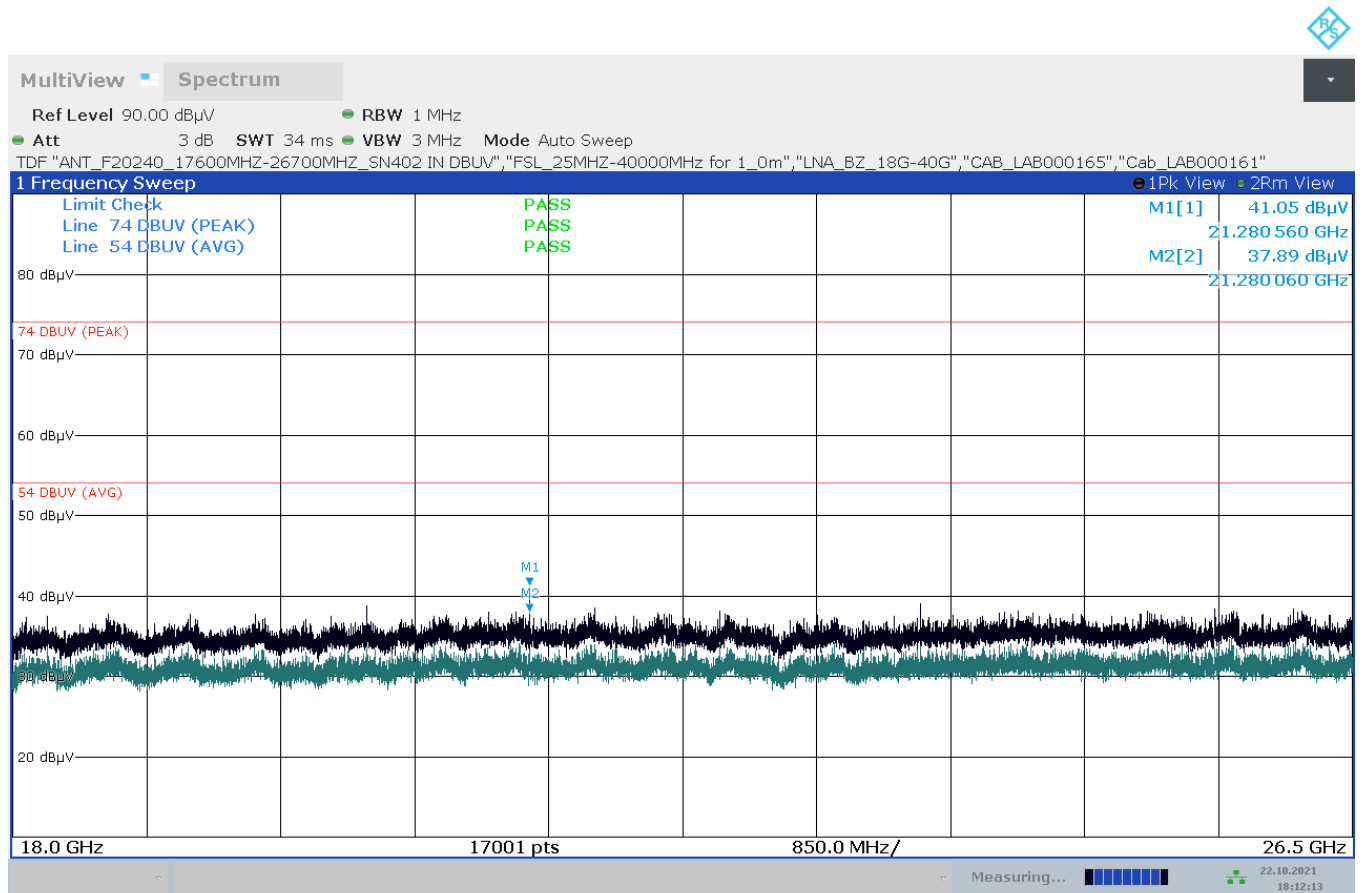
Plot 97: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



21:08:22 19.10.2021

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

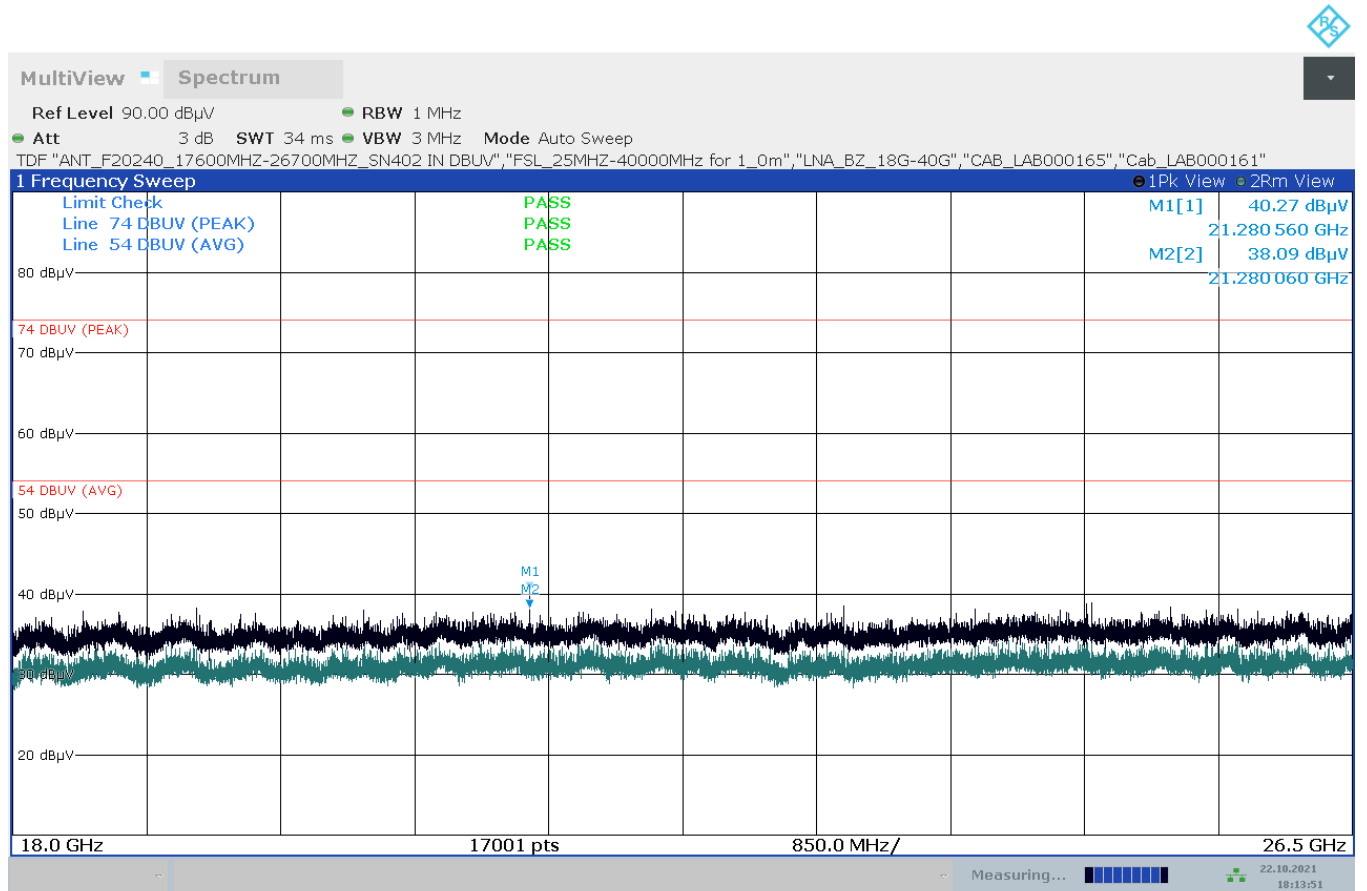
Plot 98: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



18:12:13 22.10.2021

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Plot 99: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



18:13:51 22.10.2021

2.6 Variant ID #52

DUT Information

DUT Name:	prePV 52
Manufacturer:	Mitsubishi Electric Corporation
Serial Number:	66104

2.6.1 RF Output Power (Conducted Peak Power)

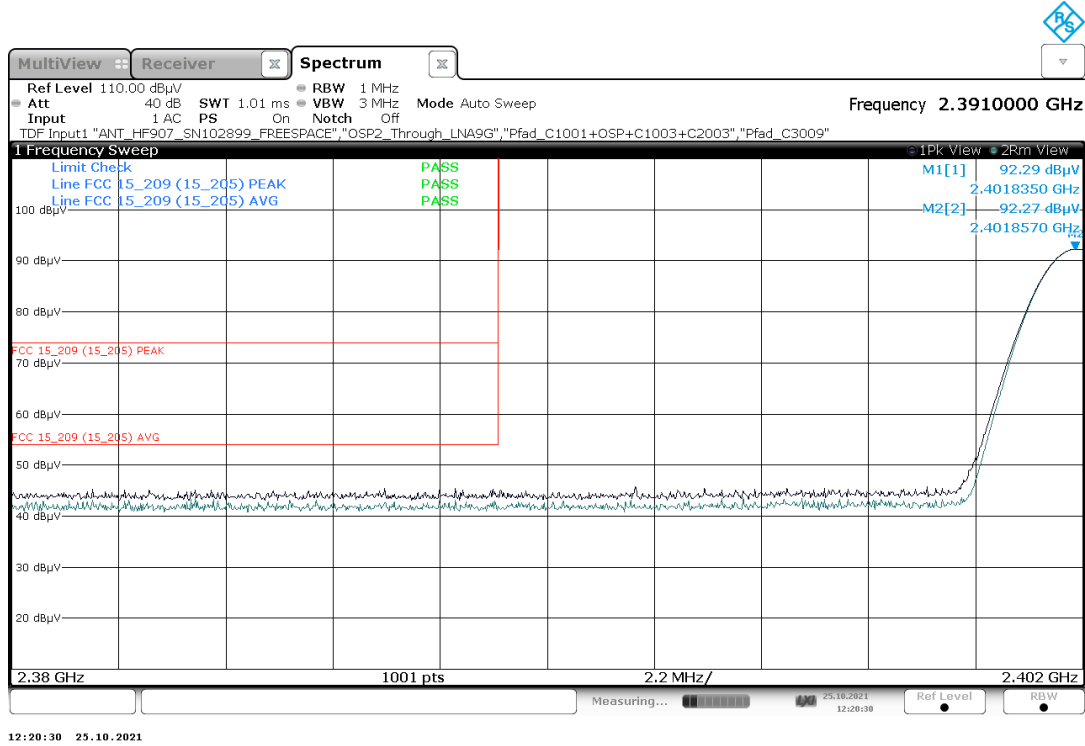
See test results of variant ID #50

2.6.2 Radiated Peak Power (Peak EIRP)

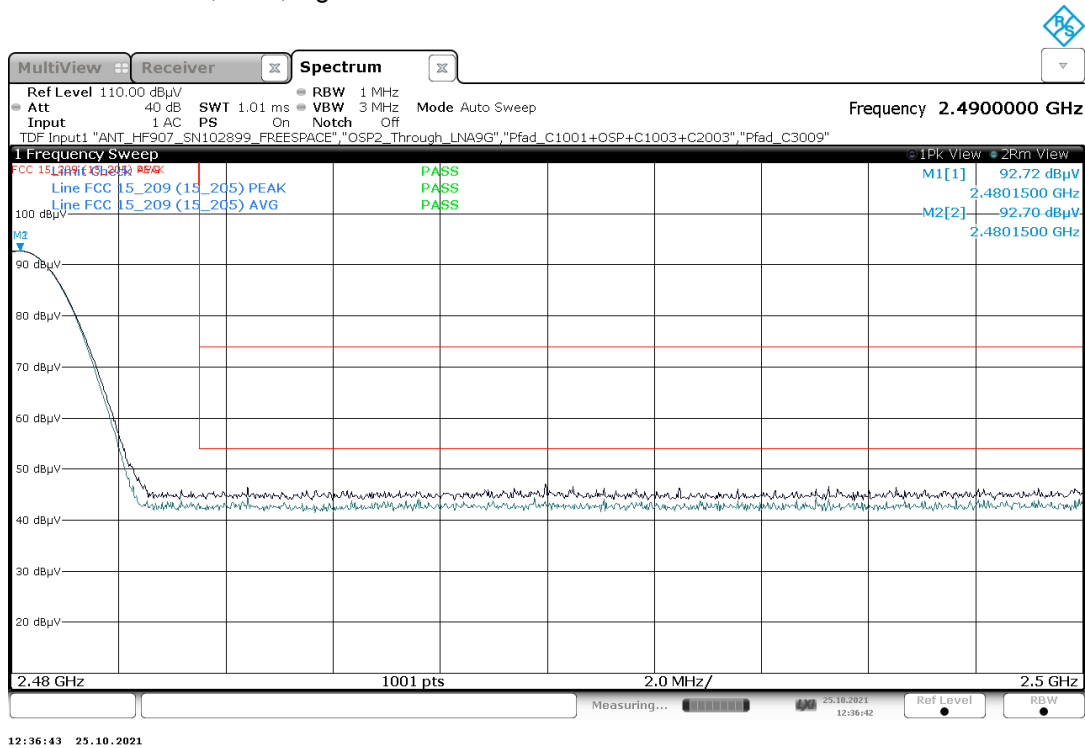
See test results of variant ID #50

2.6.3 Band Edge Compliance (BEC), radiated

Plot 100: Mode 1, BEC, low channel 0

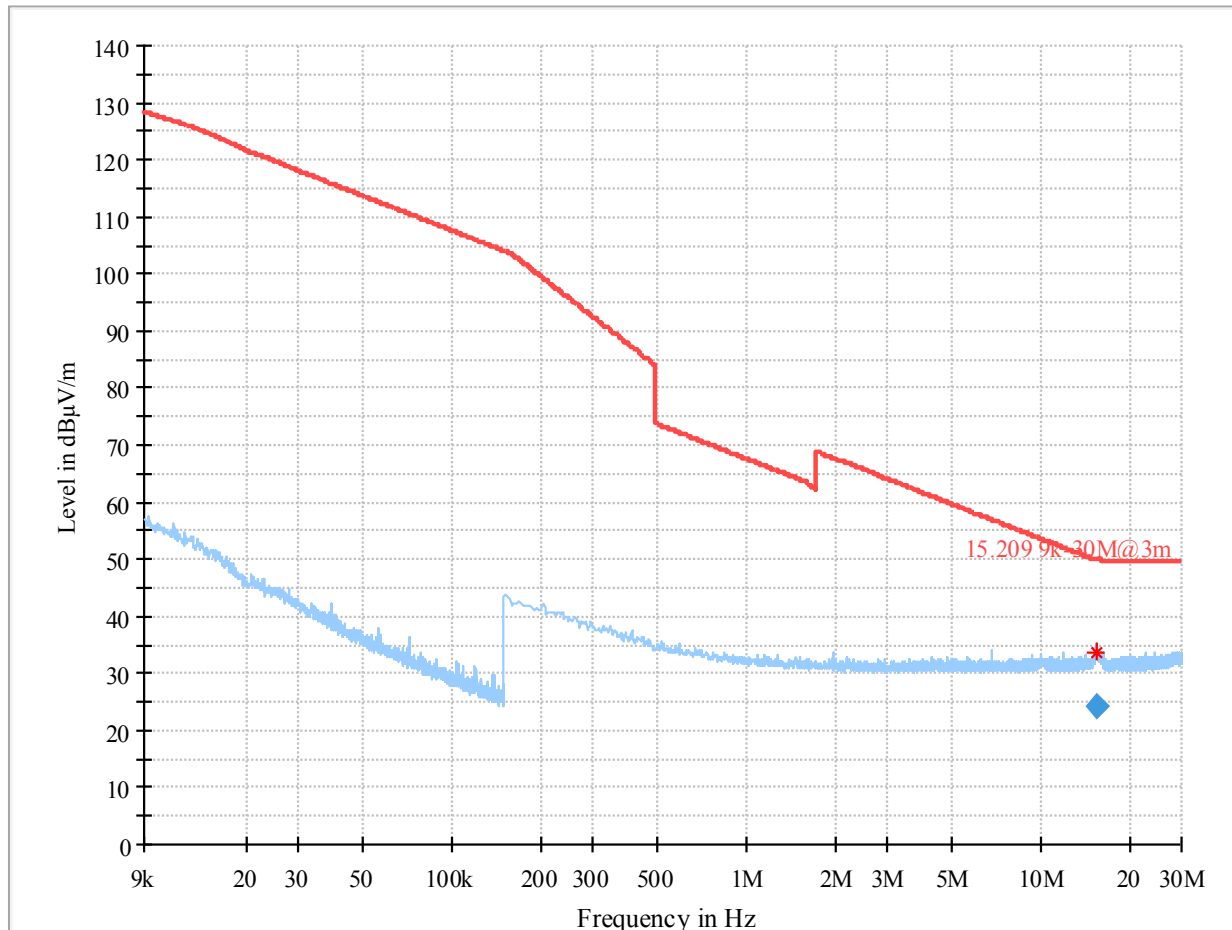


Plot 101: Mode 1, BEC, high channel 78



2.6.4 Radiated Spurious Emissions (RSE)

Plot 102: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



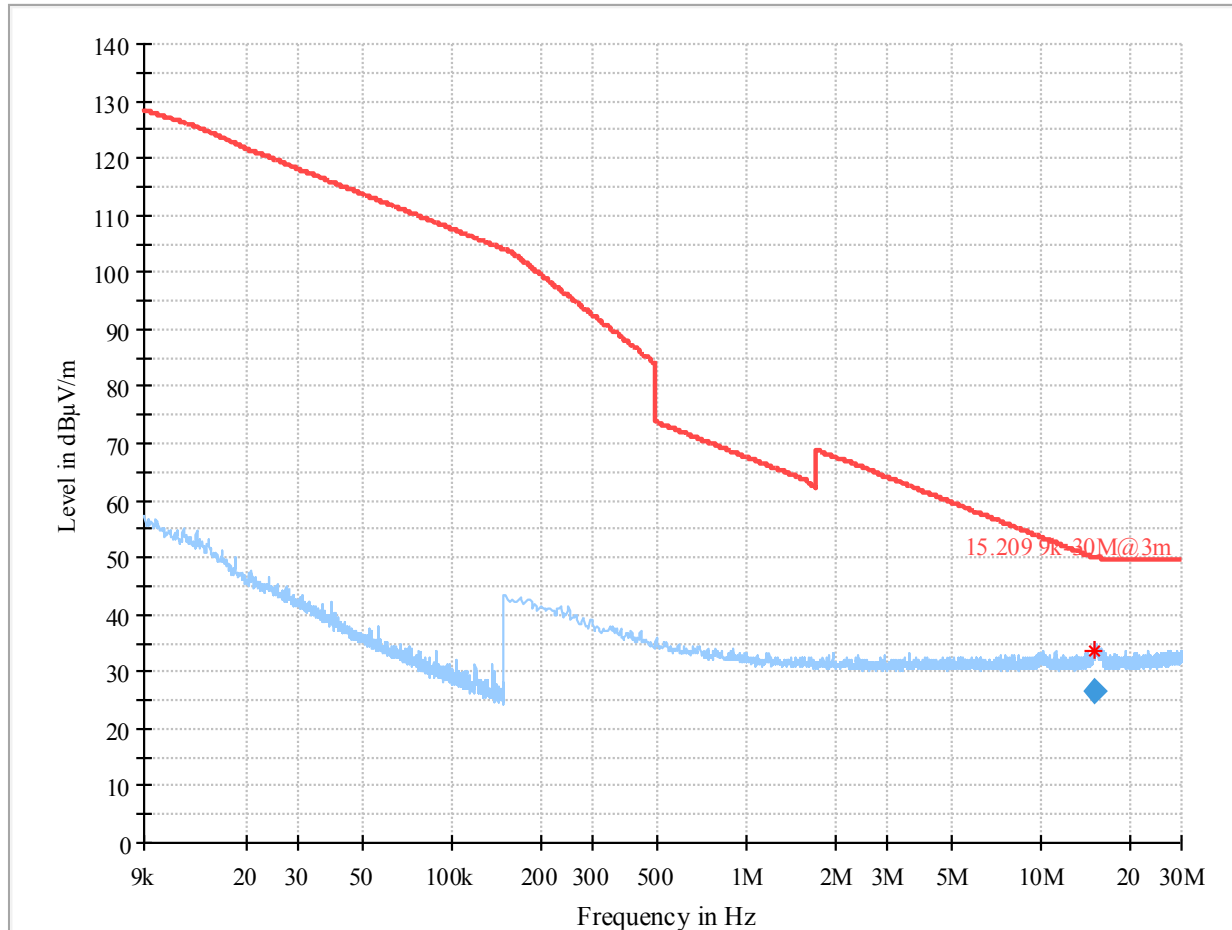
Final_Result

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)
15.441000	24.22	50.03	25.81	100.0	9.000	V	150.0	20.5

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

Frequency (MHz)	Comment
15.441000	02:53:01 - 27.10.2021

Plot 103: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna,



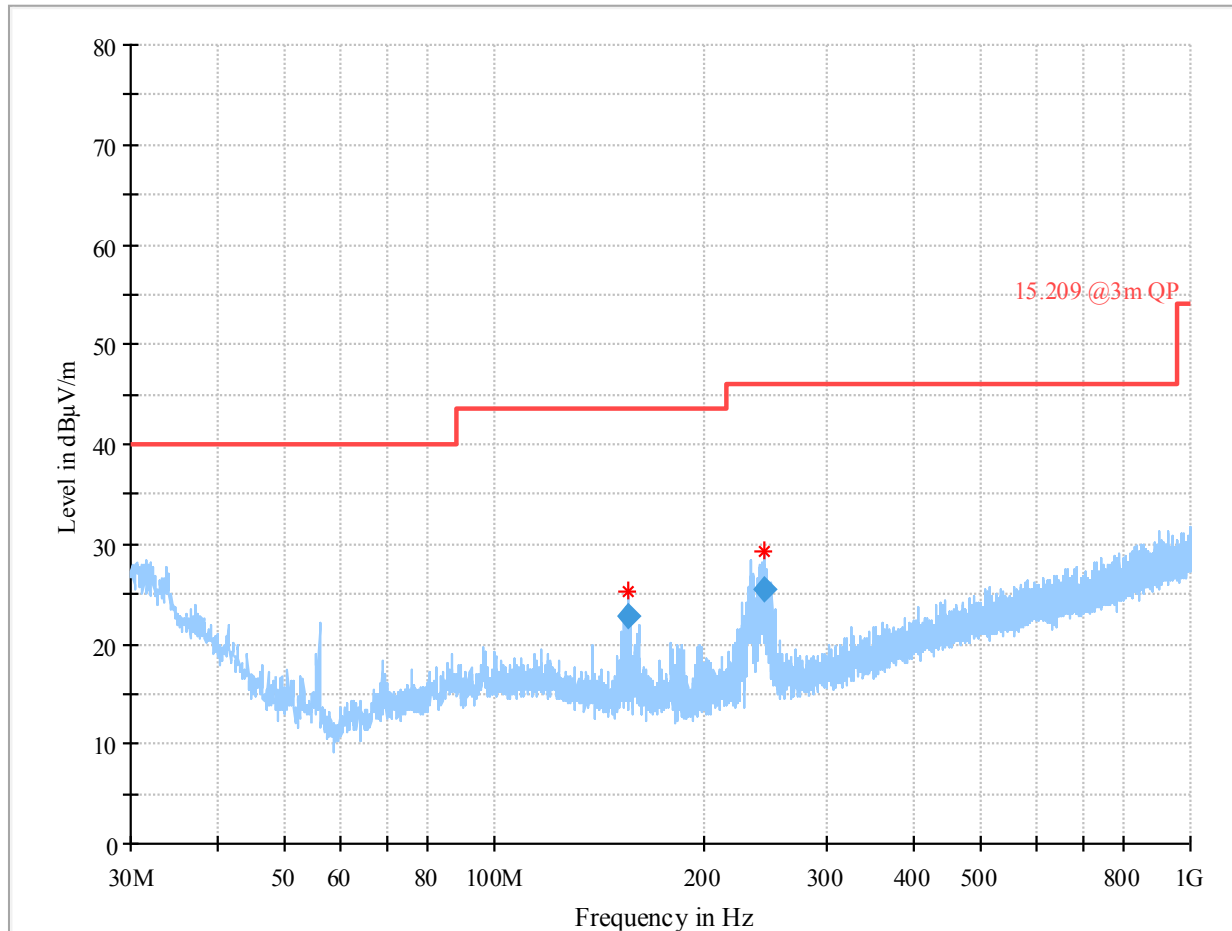
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
15.326250	26.59	50.04	23.45	100.0	9.000	H	30.0	20.5

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

Frequency (MHz)	Comment
15.326250	03:08:32 - 27.10.2021

Plot 104: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation



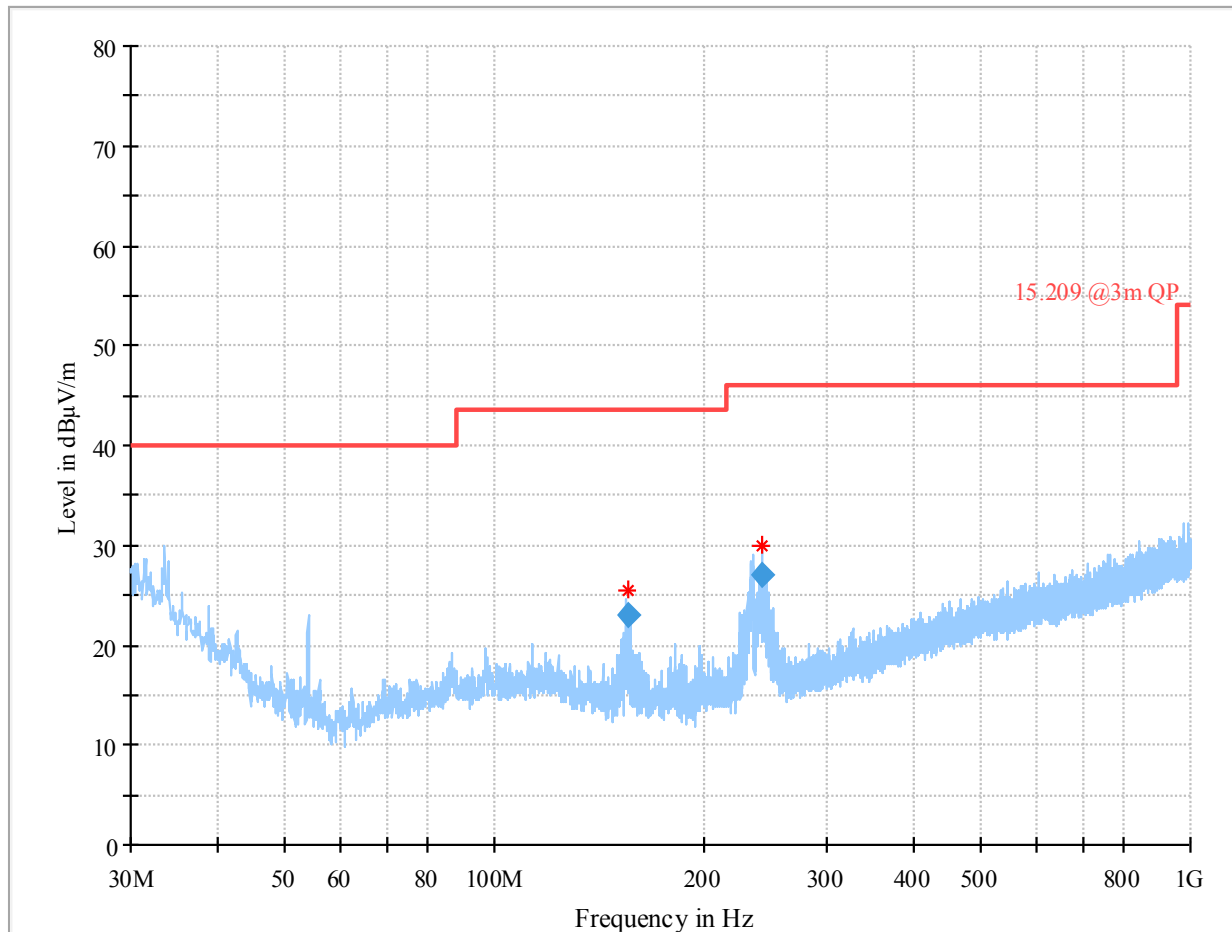
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
155.252000	22.88	43.50	20.62	100.0	120.000	104.0	V	34.0
244.314000	25.55	46.00	20.45	100.0	120.000	100.0	V	329.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
155.252000	10.0	05:22:23 - 27.10.2021
244.314000	11.8	05:24:53 - 27.10.2021

Plot 105: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



Final_Result

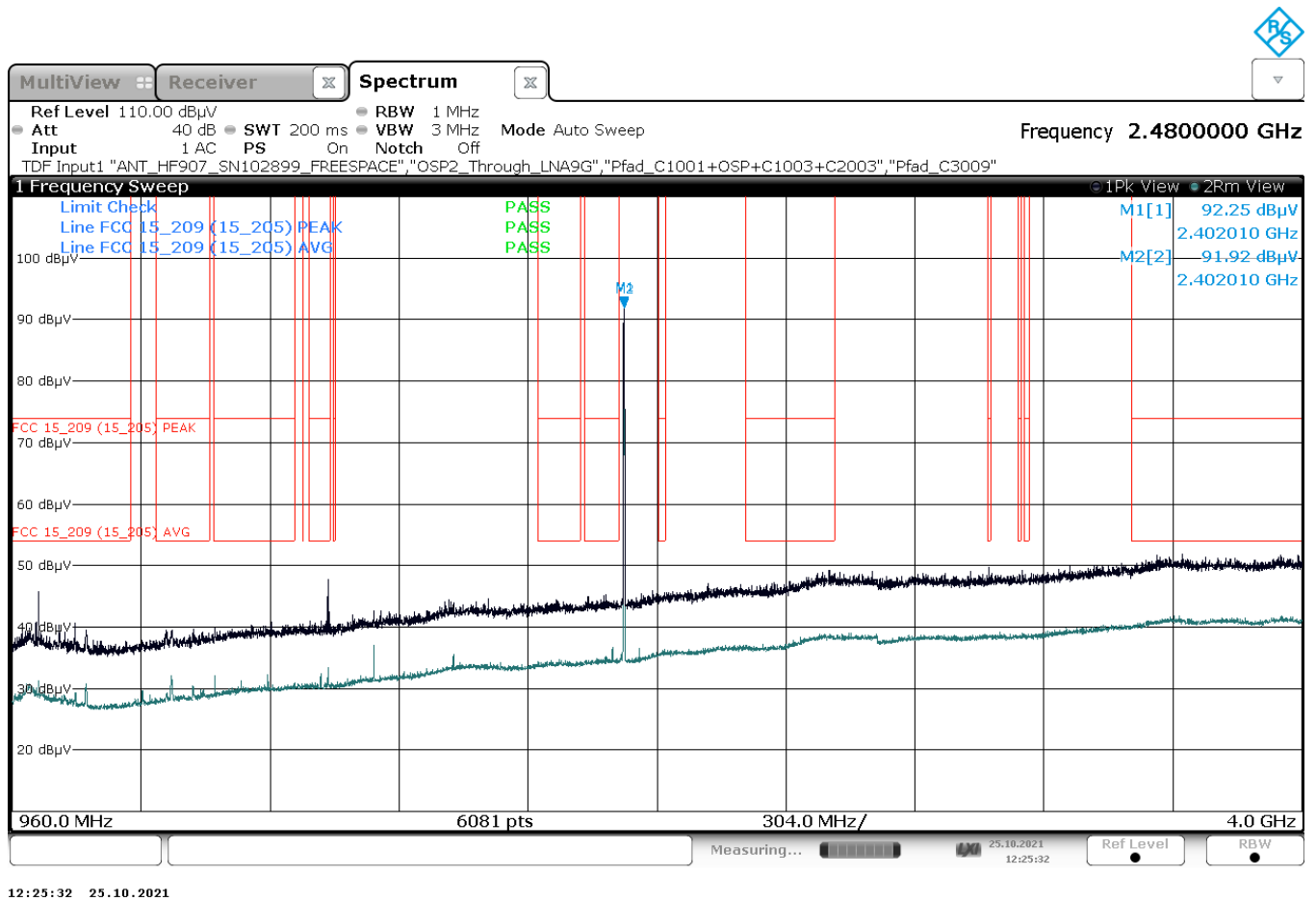
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
155.264000	22.95	43.50	20.55	100.0	120.000	104.0	V	46.0
242.309500	27.04	46.00	18.96	100.0	120.000	100.0	V	338.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
155.264000	10.0	05:37:13 - 27.10.2021
242.309500	11.8	05:39:42 - 27.10.2021

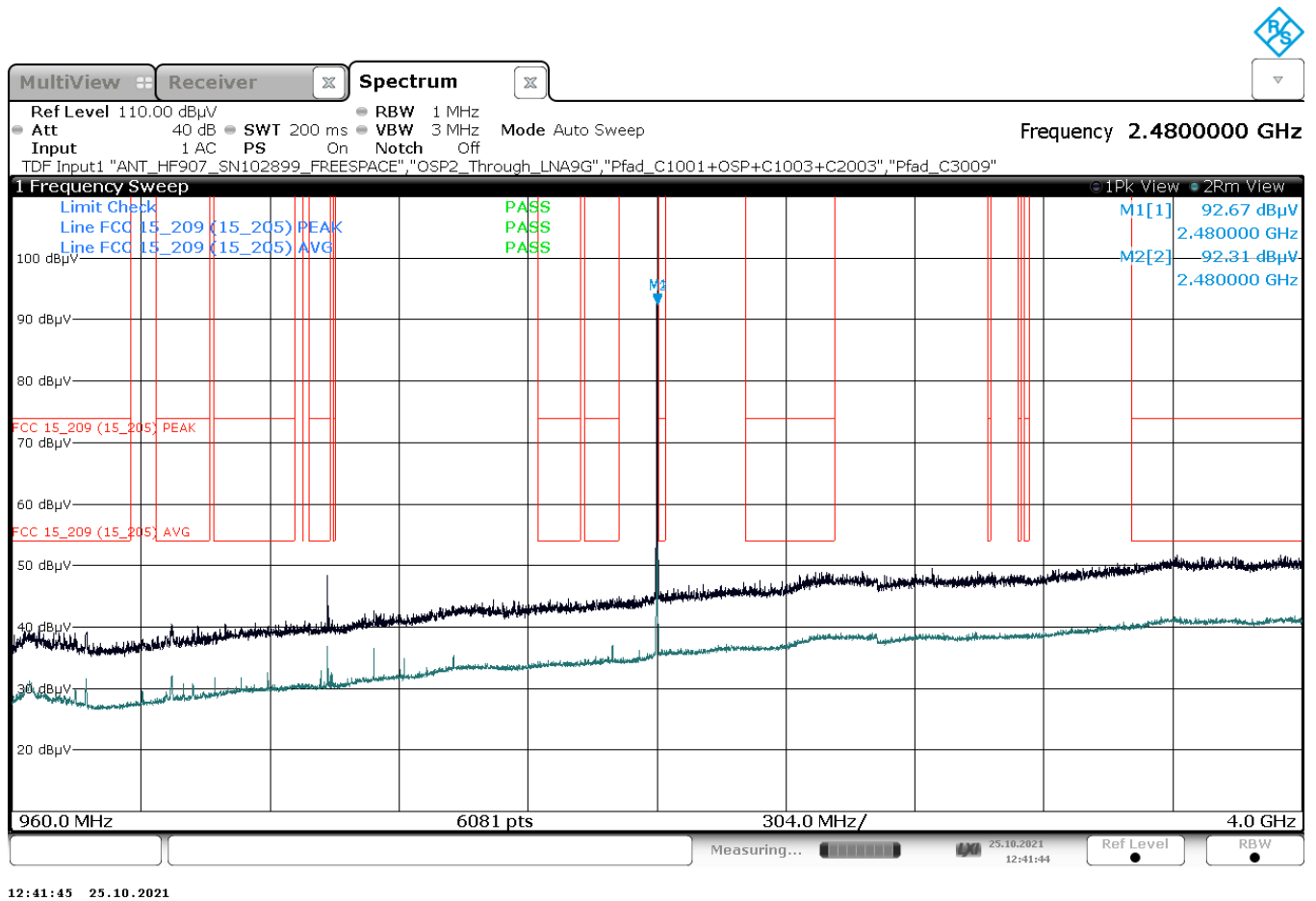
Annex A of TR no.: 21086128-23001-1

Plot 106: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



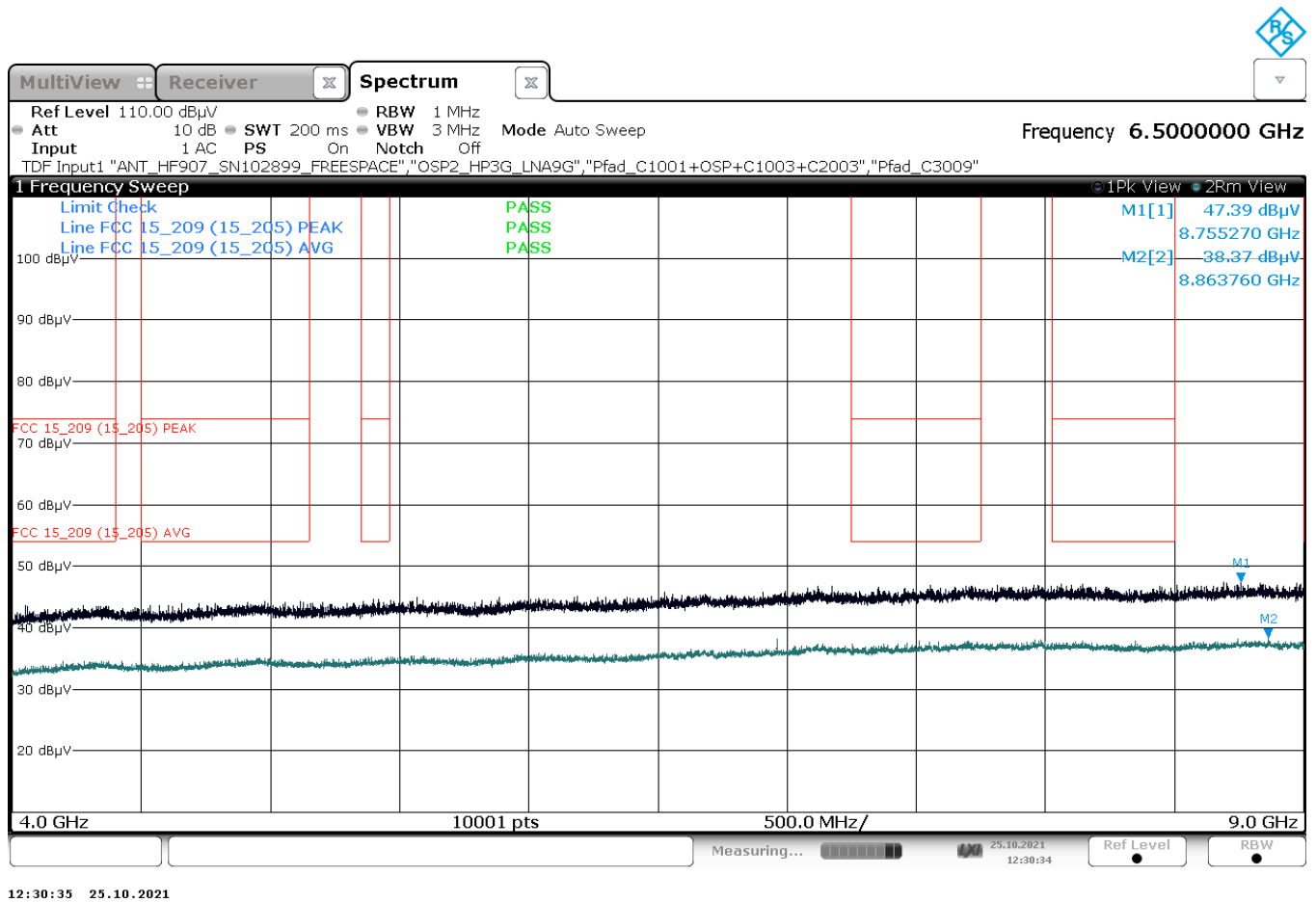
Annex A of TR no.: 21086128-23001-1

Plot 107: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



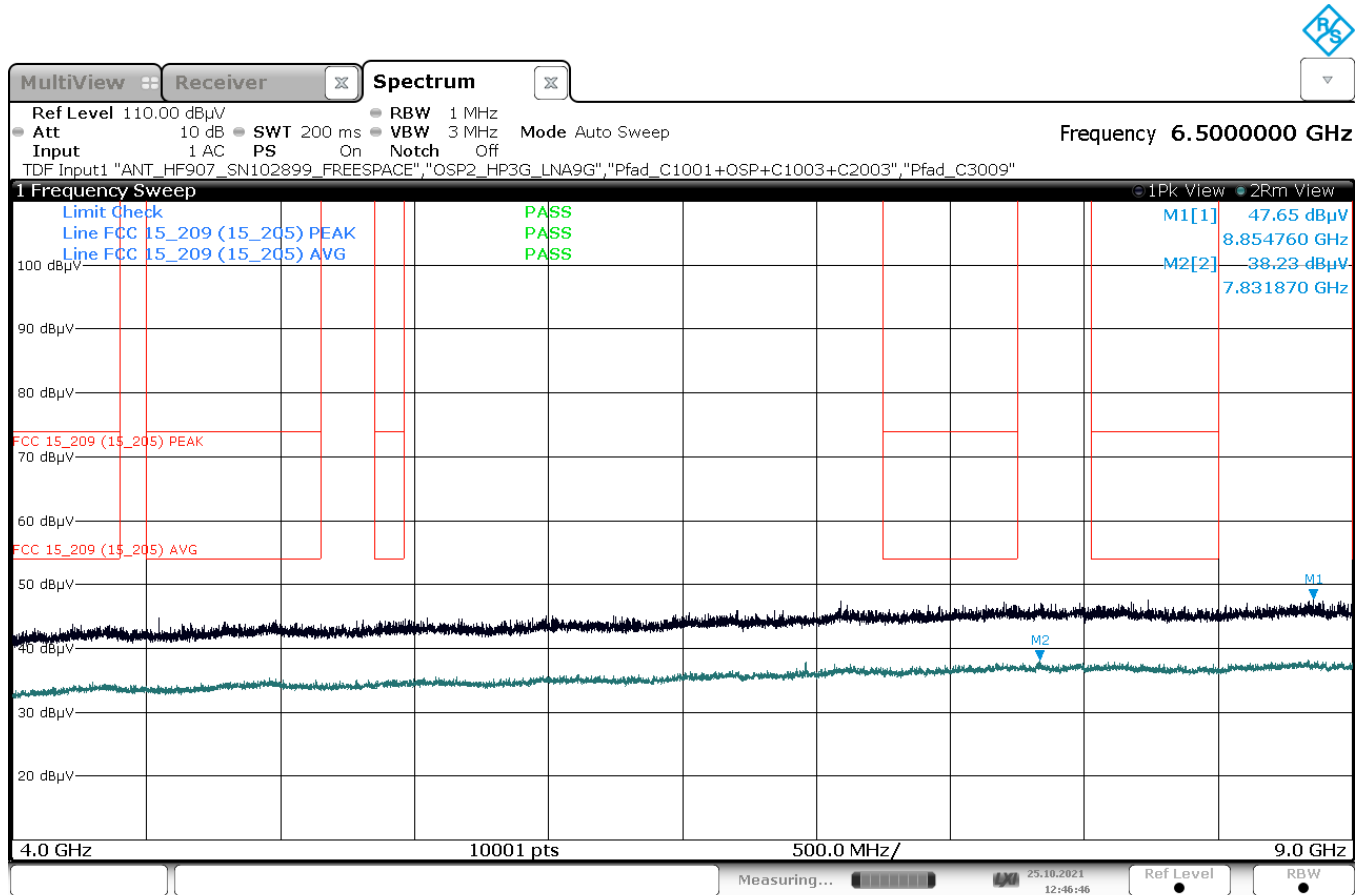
Annex A of TR no.: 21086128-23001-1

Plot 108: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



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

Plot 109: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



12:46:47 25.10.2021

2.7 Variant ID #54

DUT Information

DUT Name: prePV 54
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65702

2.7.1 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

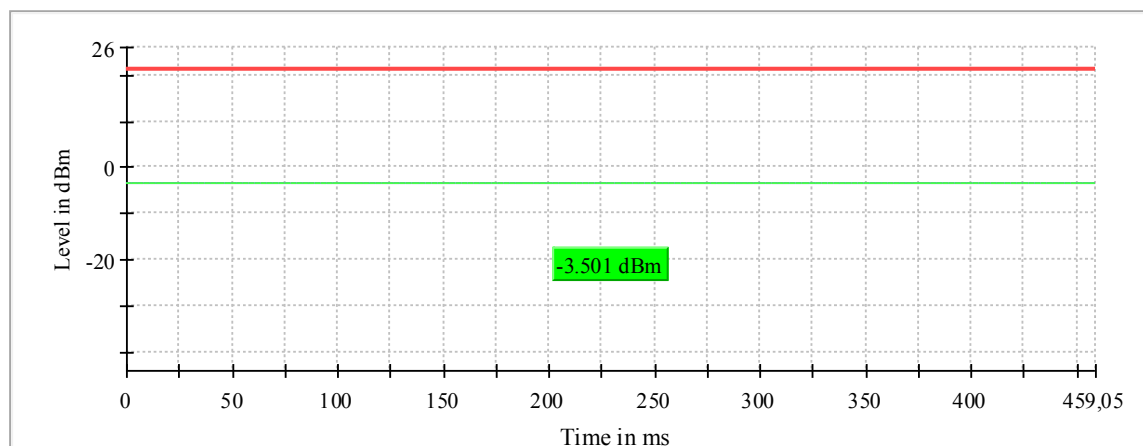
DUT Information

DUT Name: prePV 54
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65703

Plot 110: 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	-3.5	21.0	-3.5	46.210	PASS

Gated Trace

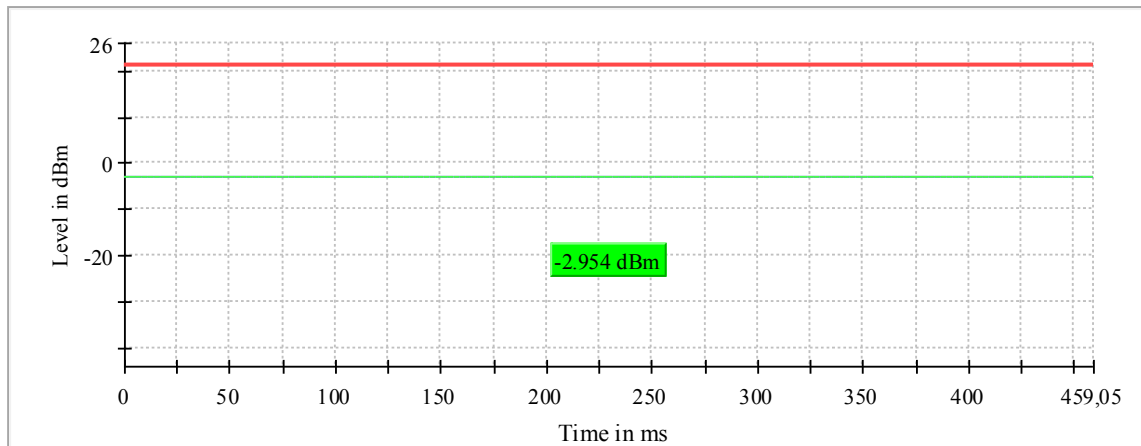


— Gated Trace — Overall — Limit

Plot 111: 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	-3.0	21.0	-3.0	46.211	PASS

Gated Trace

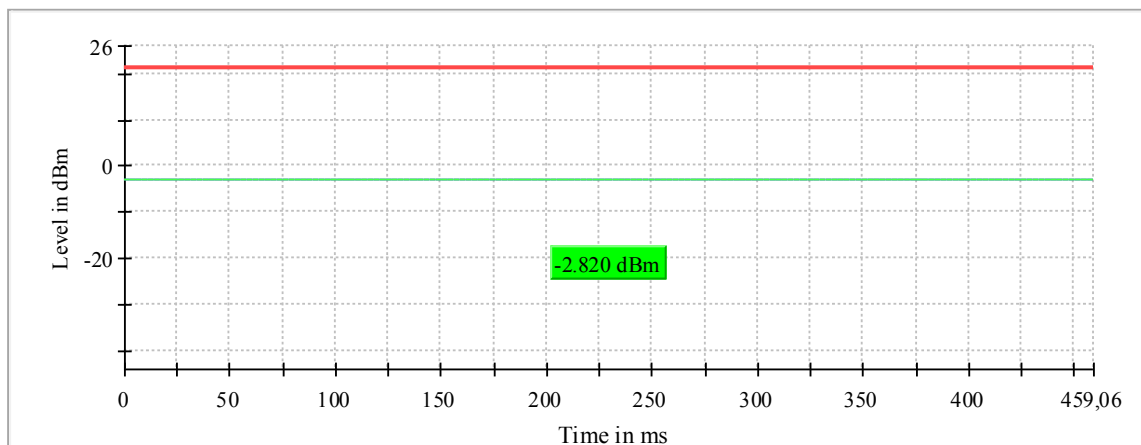


— Gated Trace — Overall — Limit

Plot 112: 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	-2.8	21.0	-2.8	46.211	PASS

Gated Trace



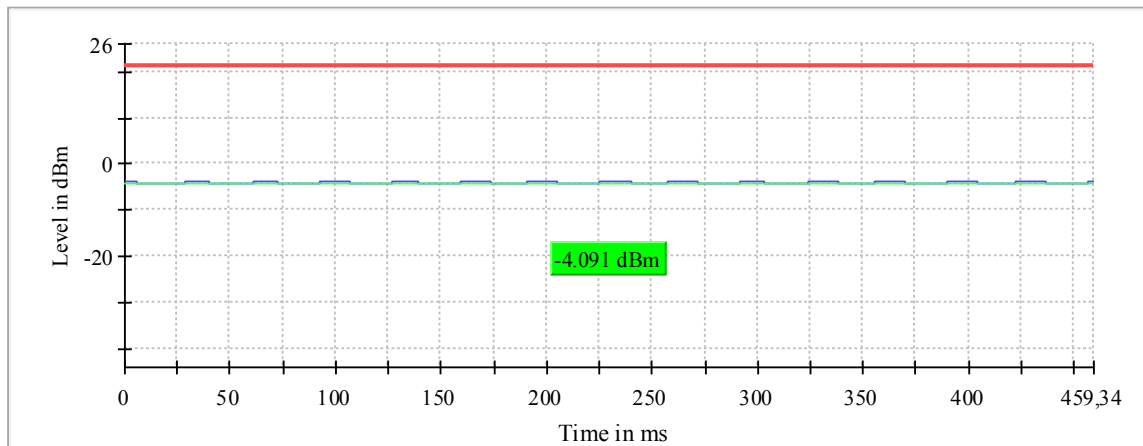
— Gated Trace — Overall — Limit

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Plot 113: 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	-4.1	21.0	-4.1	46.240	PASS

Gated Trace

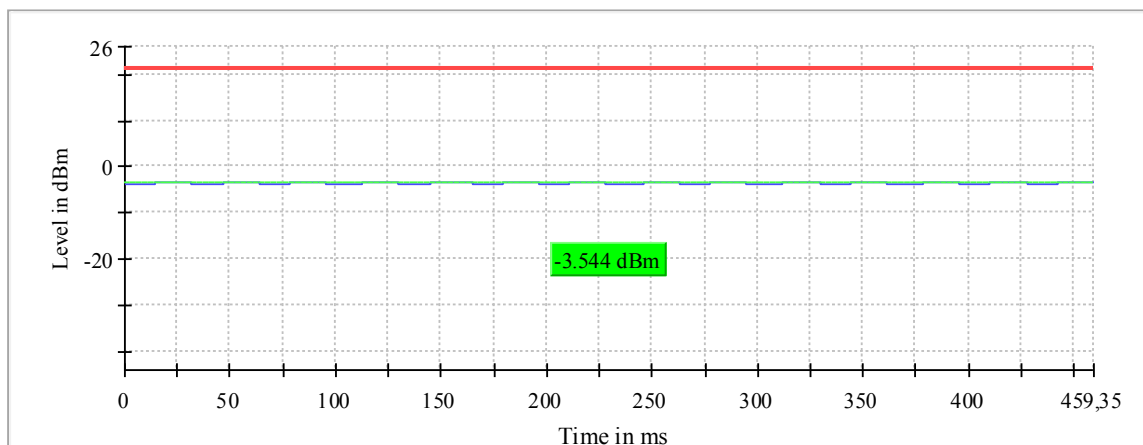


— Gated Trace — Overall — Limit

Plot 114: 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	-3.5	21.0	-3.5	46.241	PASS

Gated Trace



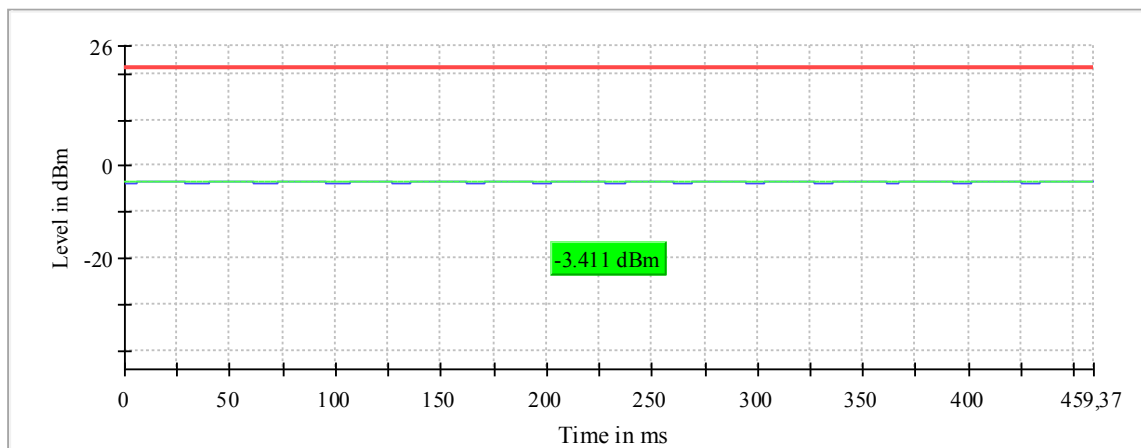
— Gated Trace — Overall — Limit

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Plot 115: 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	-3.4	21.0	-3.4	46.243	PASS

Gated Trace

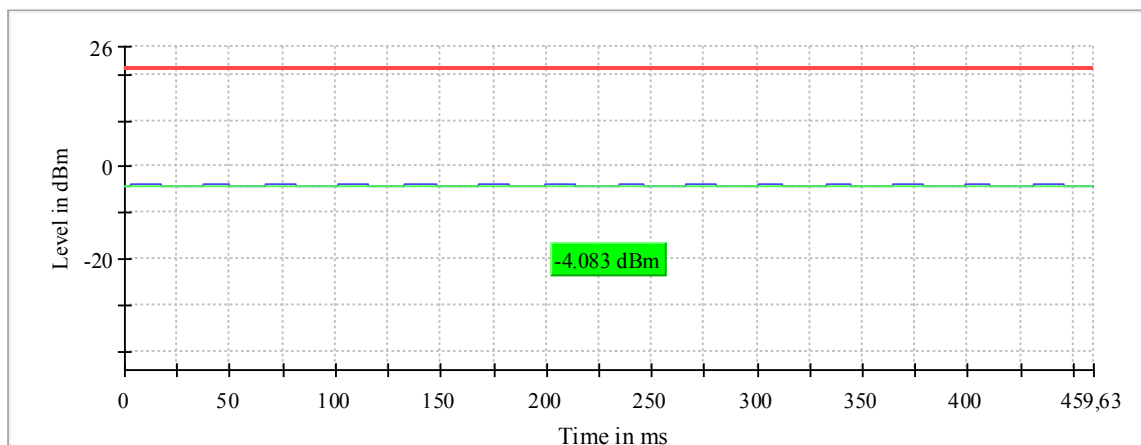


— Gated Trace — Overall — Limit

Plot 116: 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	-4.1	21.0	-4.1	46.269	PASS

Gated Trace

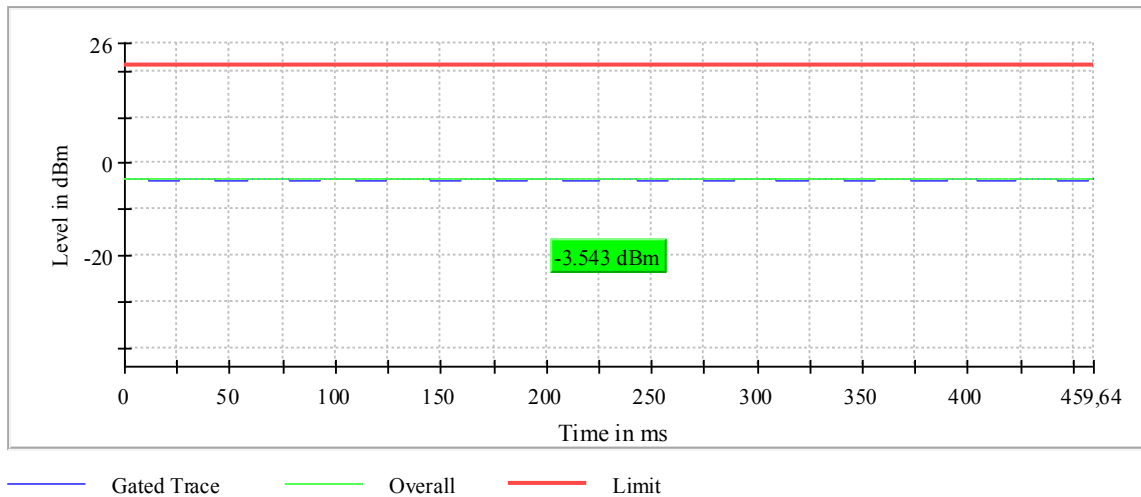


— Gated Trace — Overall — Limit

Plot 117: 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	-3.5	21.0	-3.5	46.270	PASS

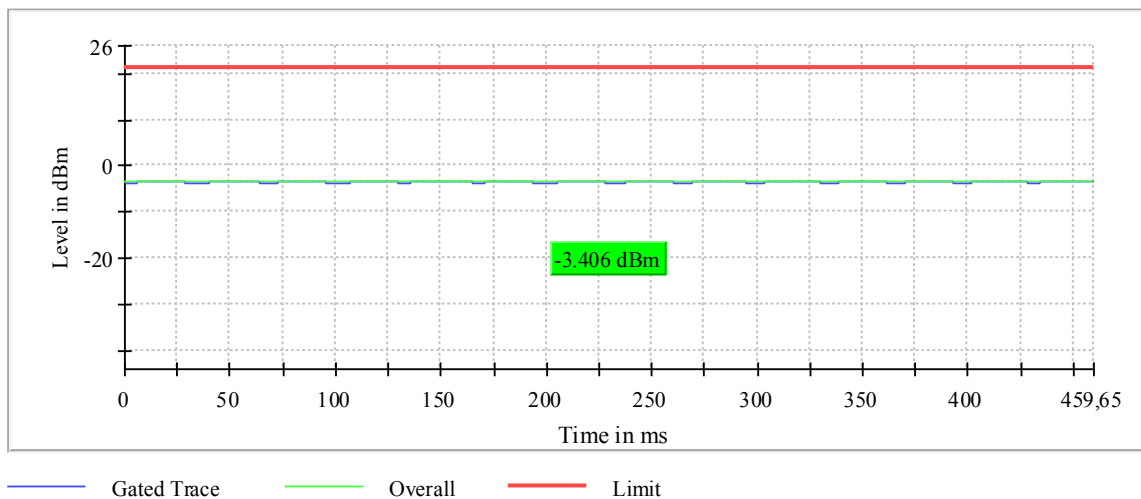
Gated Trace



Plot 118: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, high channel 40, 2480 MHz

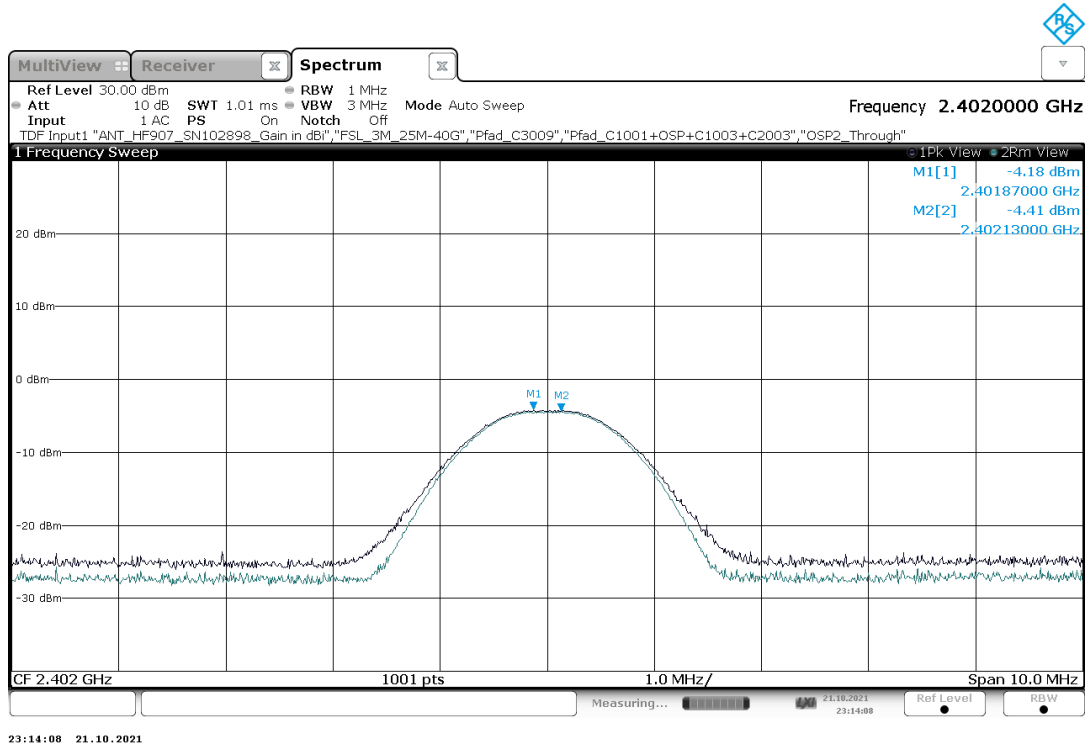
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-3.4	21.0	-3.4	46.271	PASS

Gated Trace

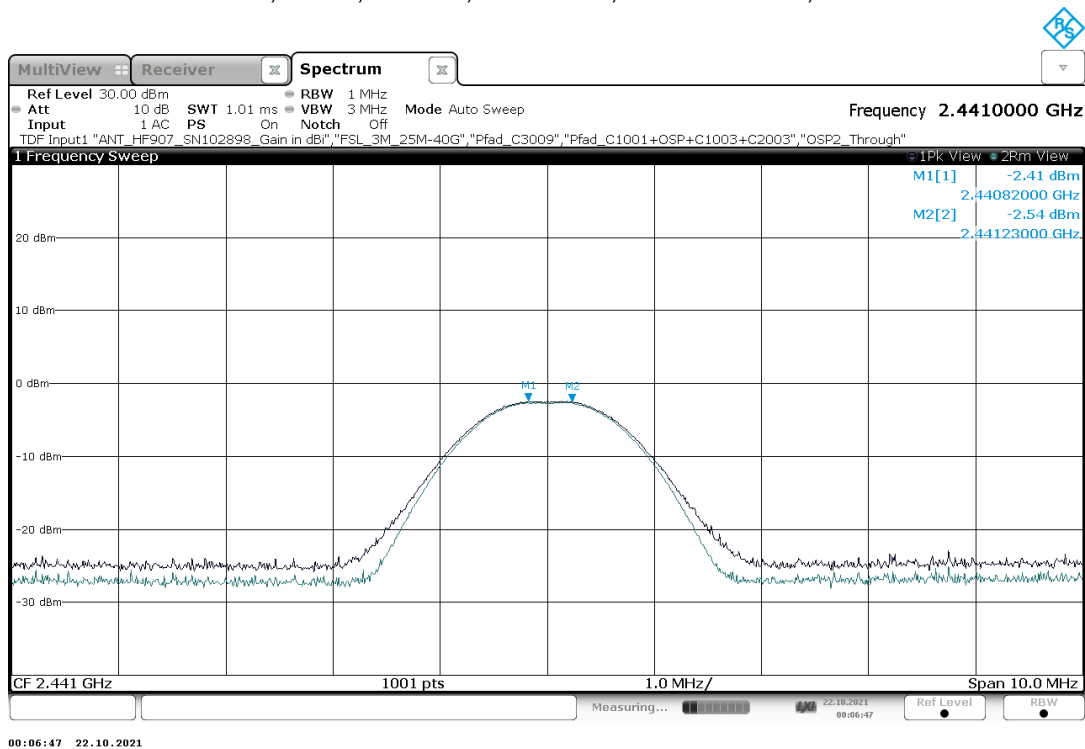


2.7.2 Radiated Peak Power (Peak EIRP)

Plot 119: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, low channel 0, 2402 MHz

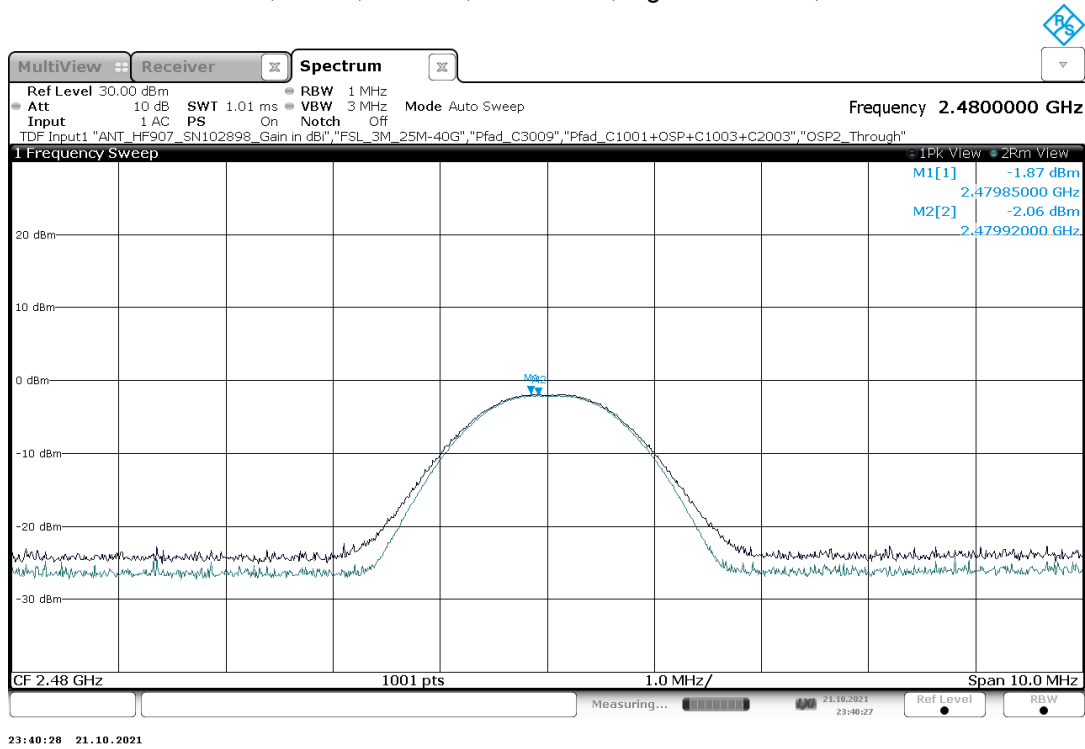


Plot 120: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, mid channel 39, 2440 MHz



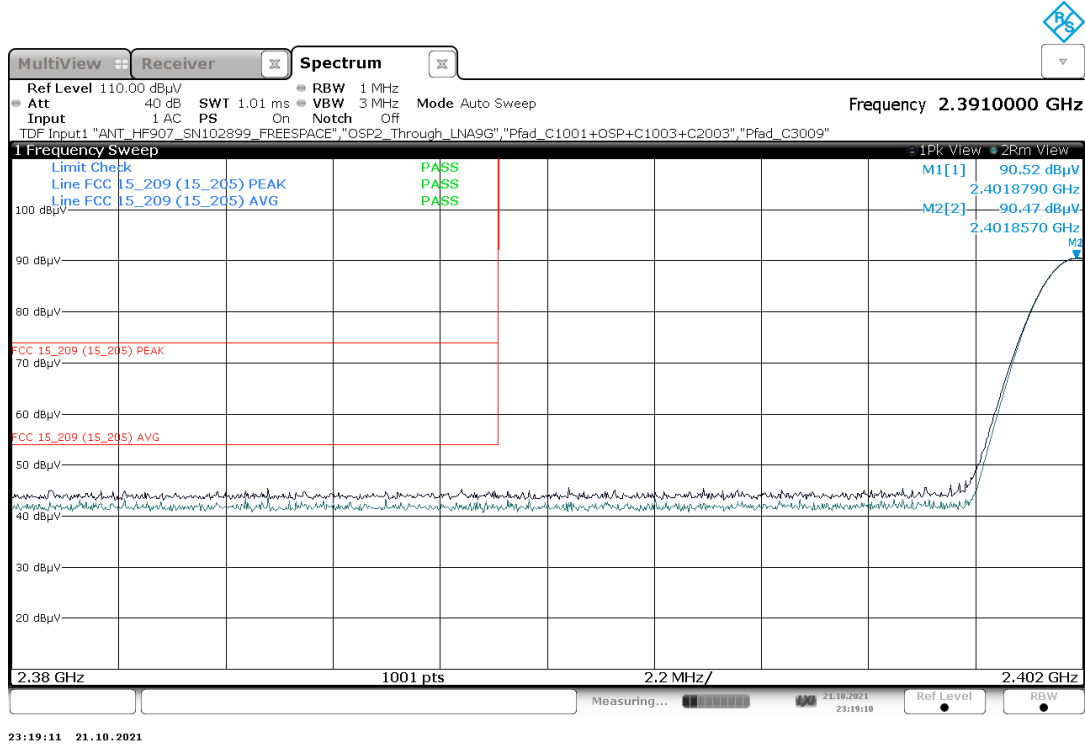
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Plot 121: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, high channel 78, 2480 MHz

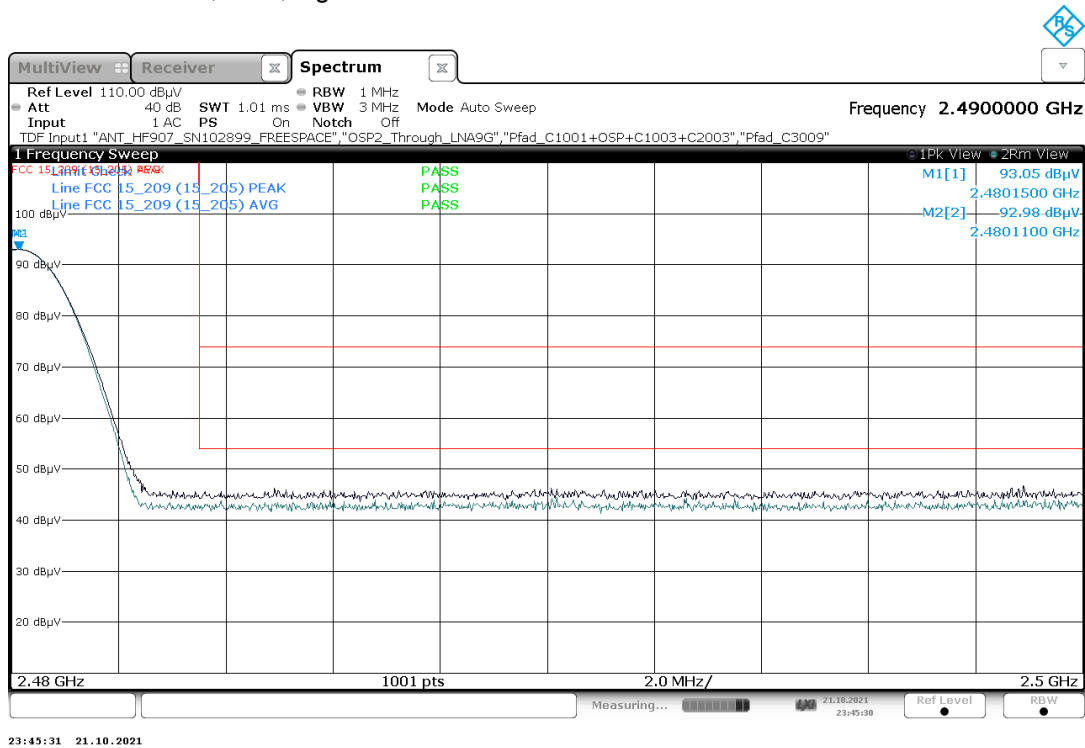


2.7.3 Band Edge Compliance (BEC), radiated

Plot 122: Mode 1, BEC, low channel 0

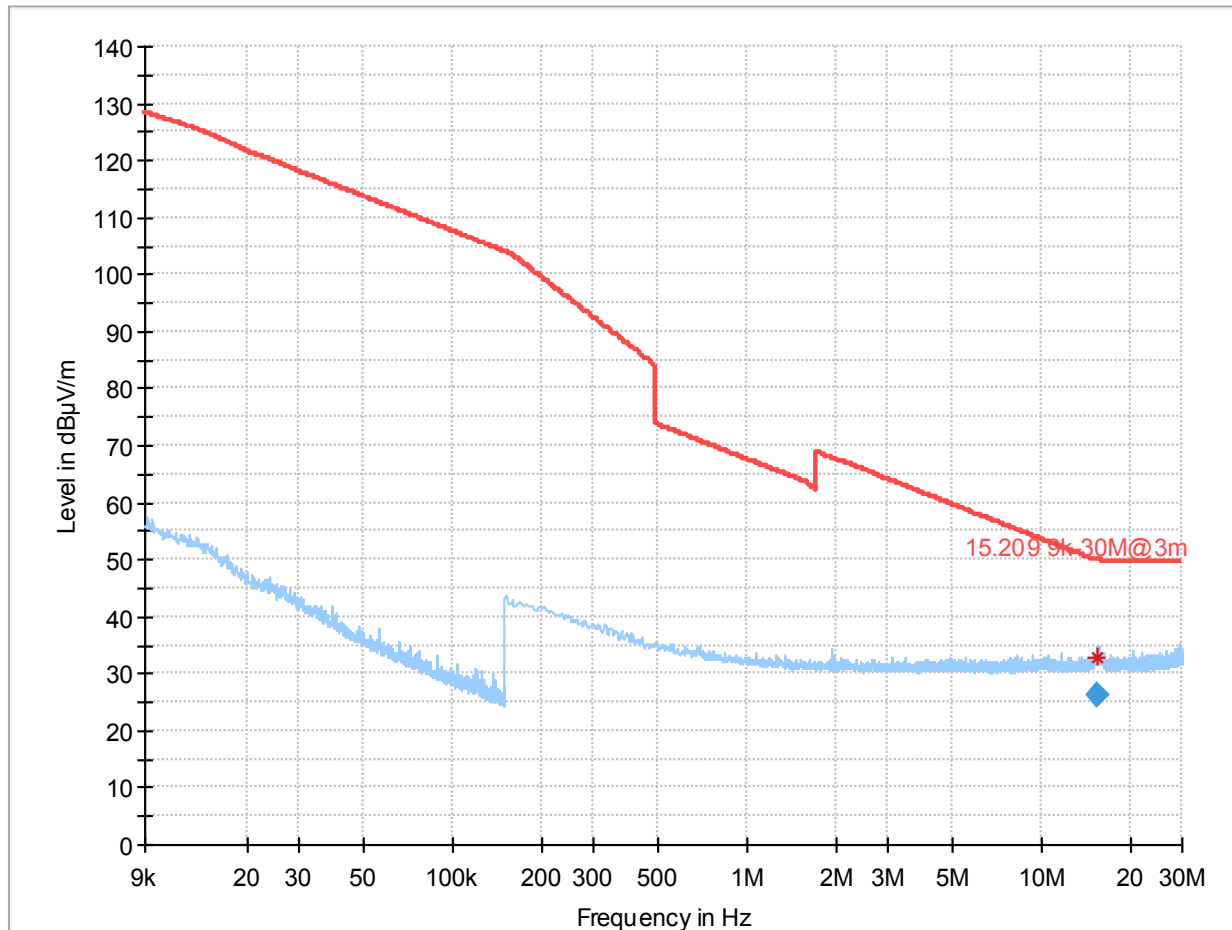


Plot 123: Mode 1, BEC, high channel 78



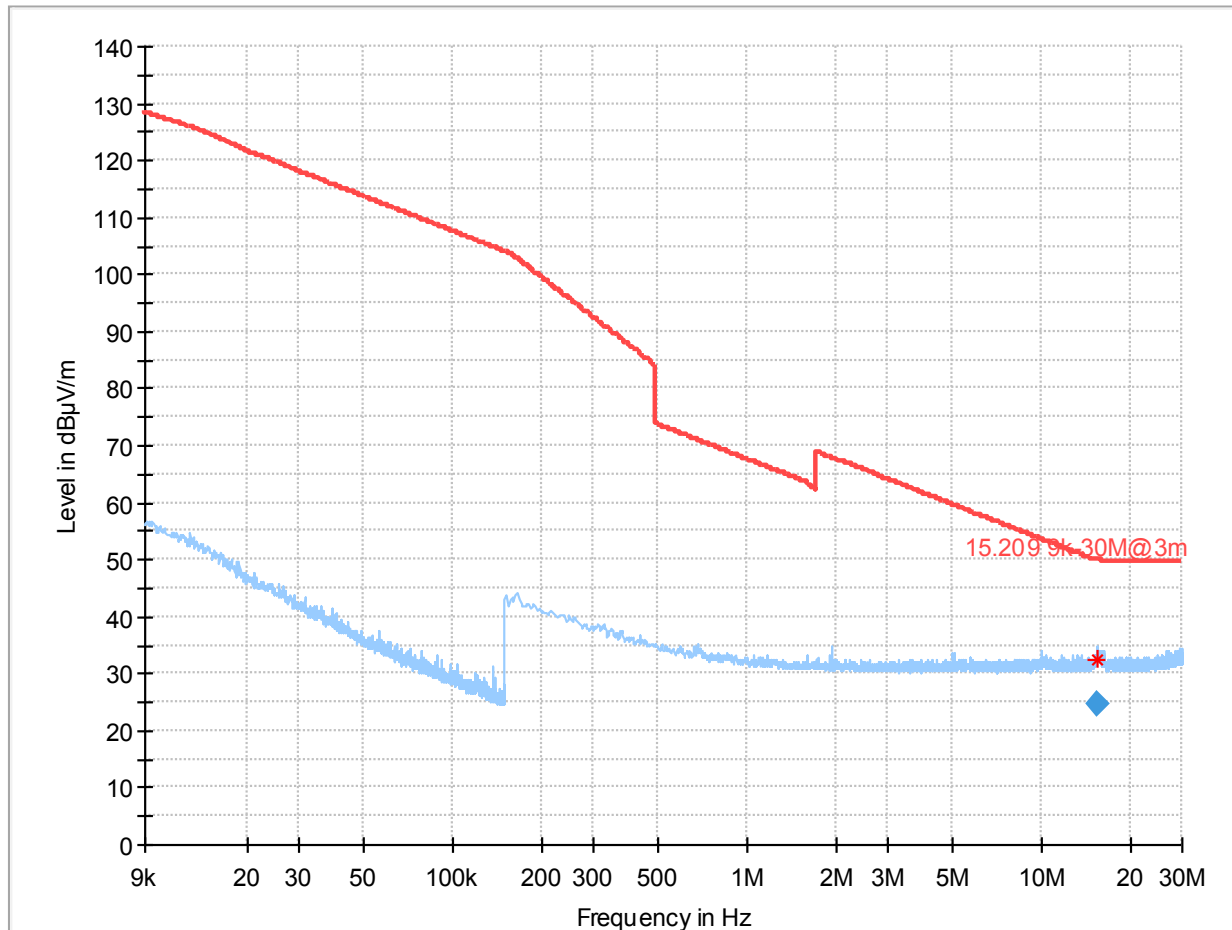
2.7.4 Radiated Spurious Emissions (RSE)

Plot 124: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



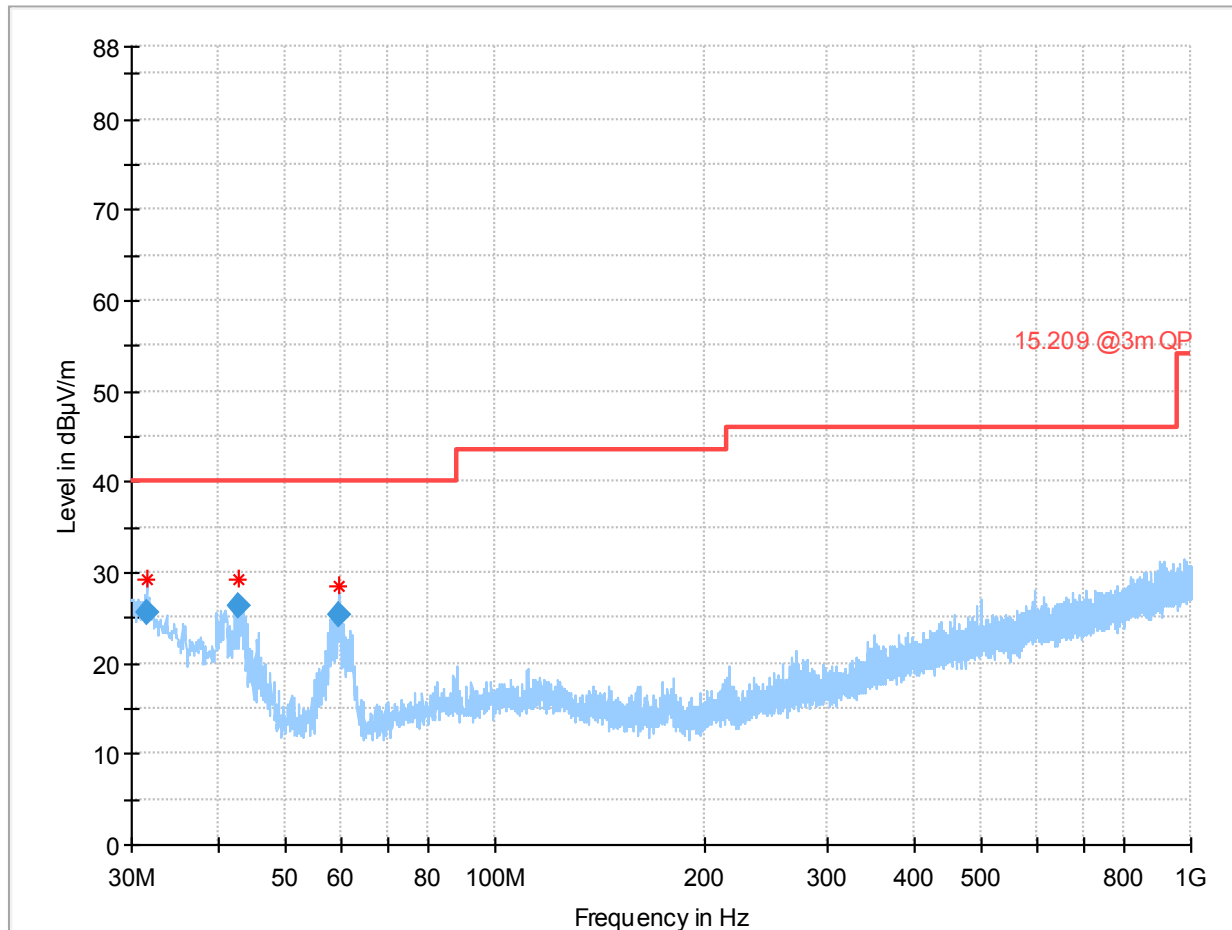
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
15.434250	26.11	50.03	23.92	100.0	9.000	H	30.0	20.5

Plot 125: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna



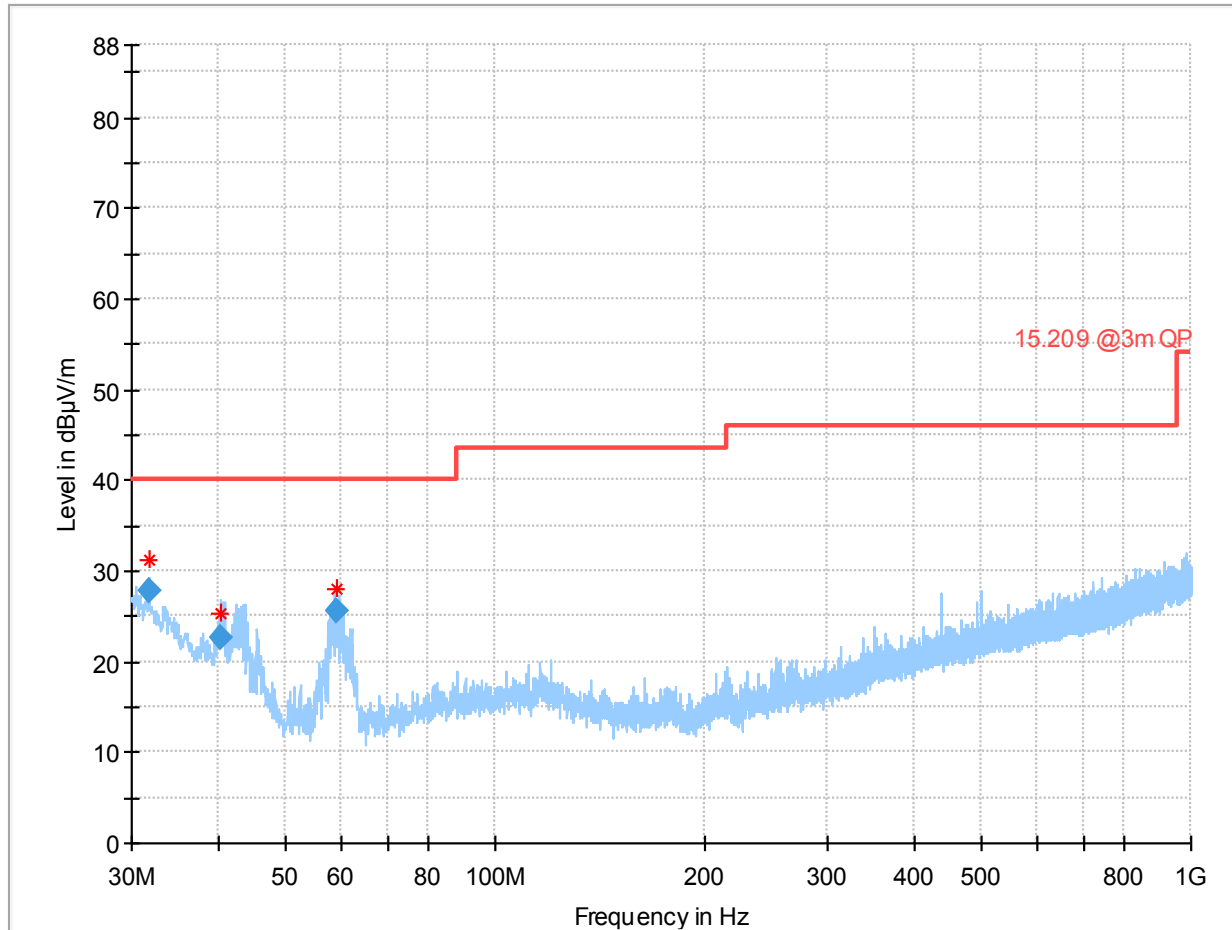
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
15.400500	24.48	50.04	25.56	100.0	9.000	V	240.0	20.5

Plot 126: 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)
31.602000	25.56	40.00	14.44	100.0	120.000	350.0	V	33.0
42.780500	26.18	40.00	13.82	100.0	120.000	148.0	V	12.0
59.682000	25.40	40.00	14.60	100.0	120.000	148.0	V	87.0

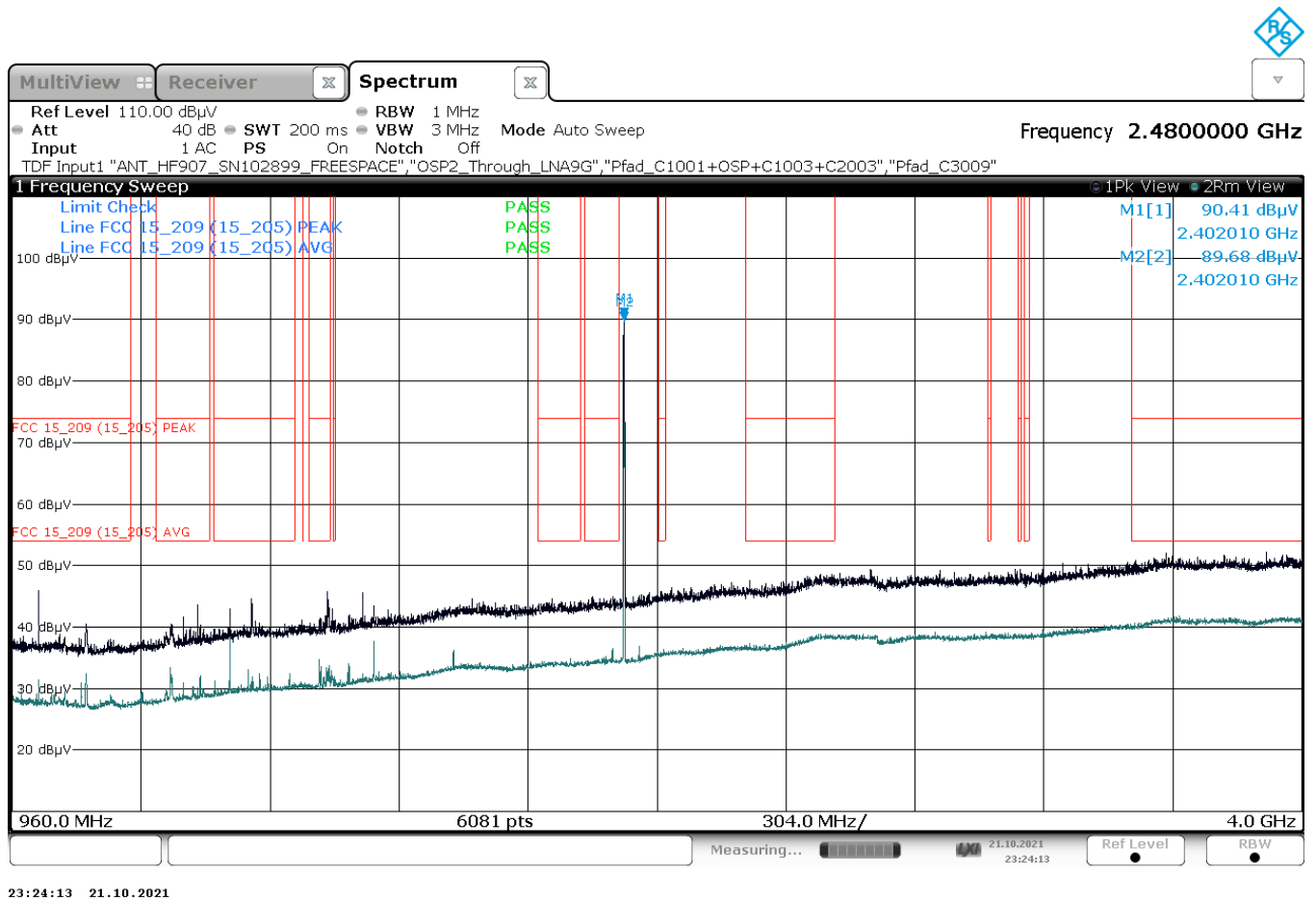
Plot 127: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
31.818000	27.87	40.00	12.13	100.0	120.000	350.0	H	155.0
40.258500	22.67	40.00	17.33	100.0	120.000	104.0	V	328.0
59.187000	25.68	40.00	14.32	100.0	120.000	148.0	V	74.0

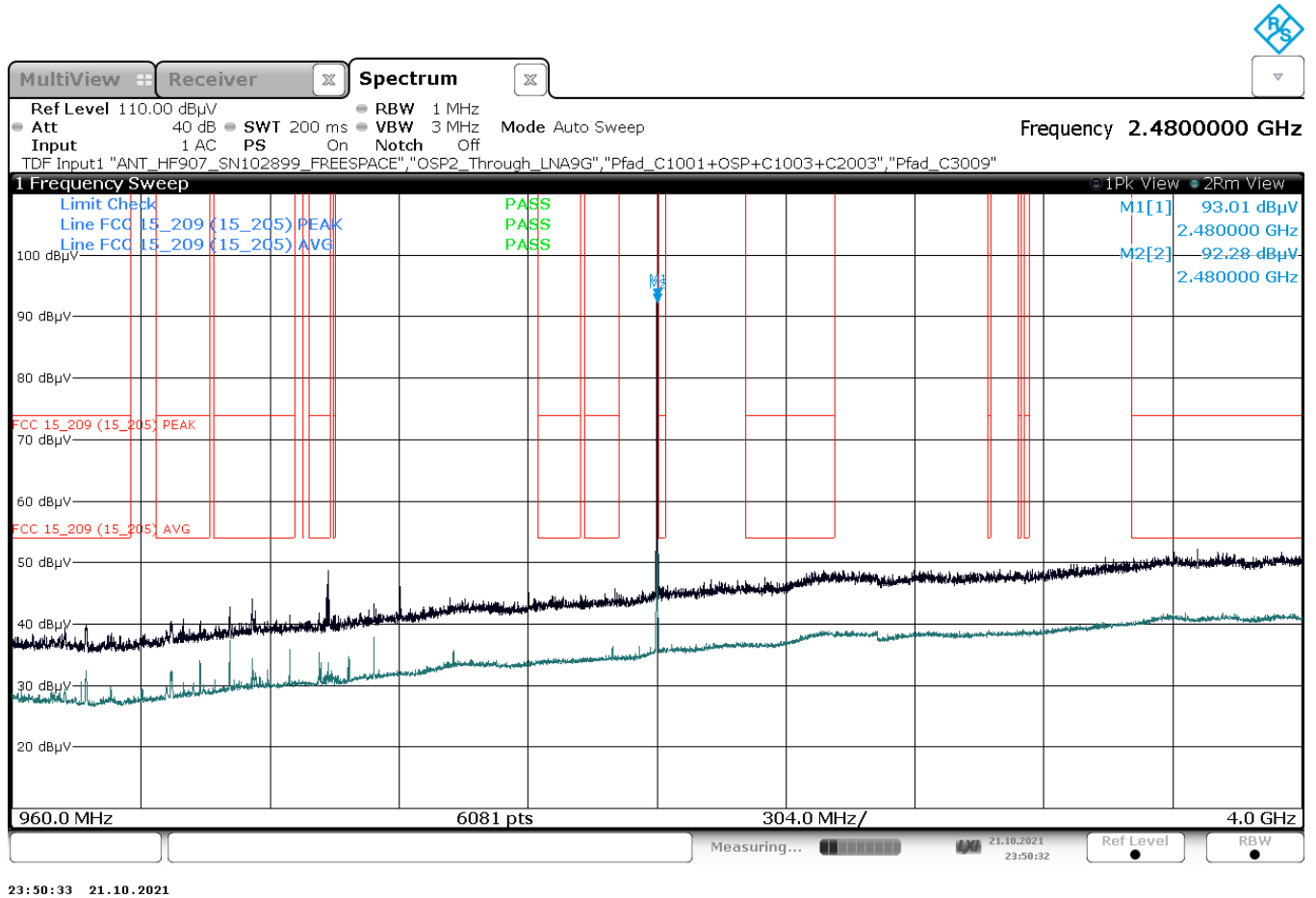
Annex A of TR no.: 21086128-23001-1

Plot 128: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



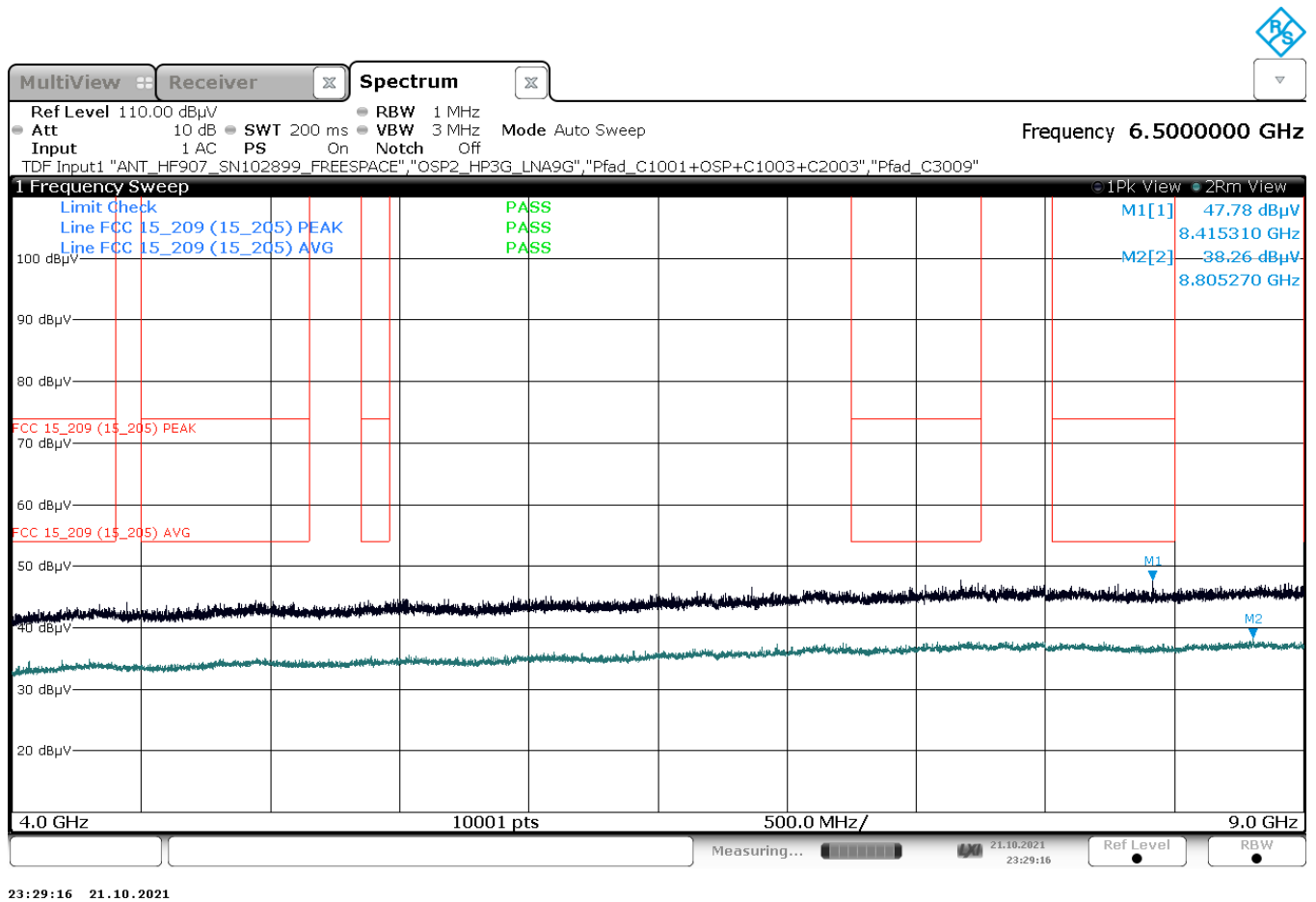
Annex A of TR no.: 21086128-23001-1

Plot 129: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



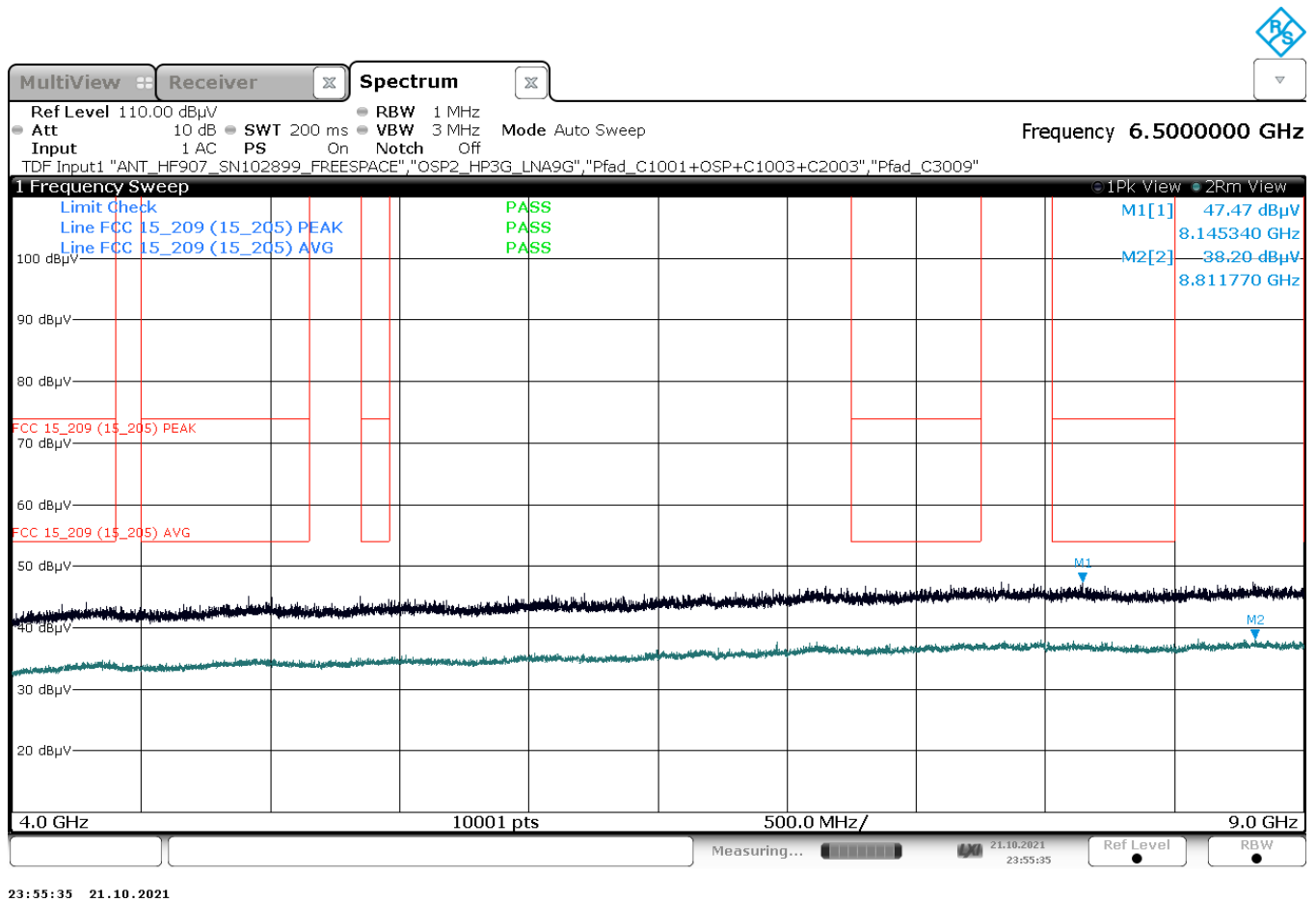
Annex A of TR no.: 21086128-23001-1

Plot 130: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



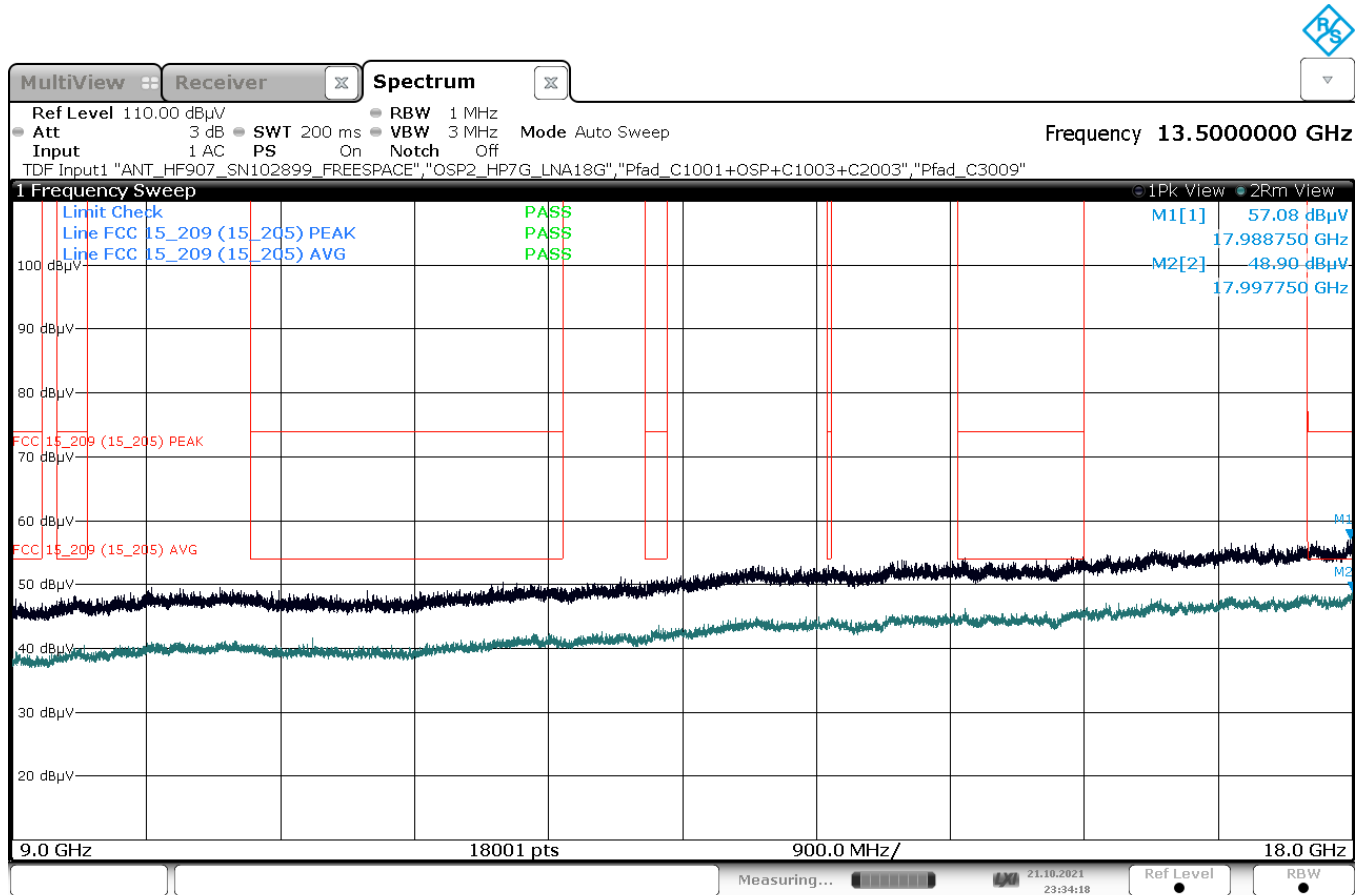
Annex A of TR no.: 21086128-23001-1

Plot 131: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



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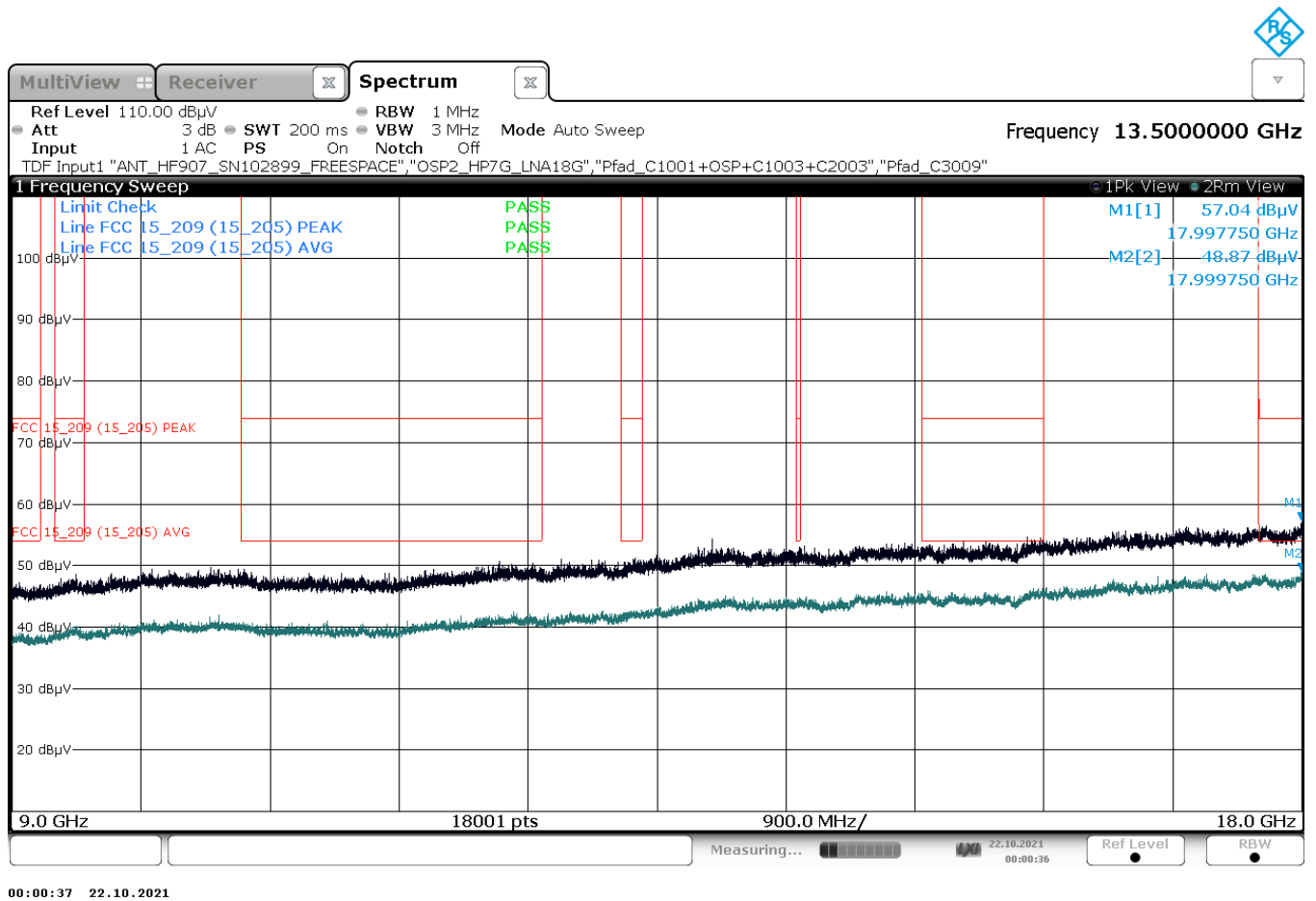
Plot 132: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation



23:34:19 21.10.2021

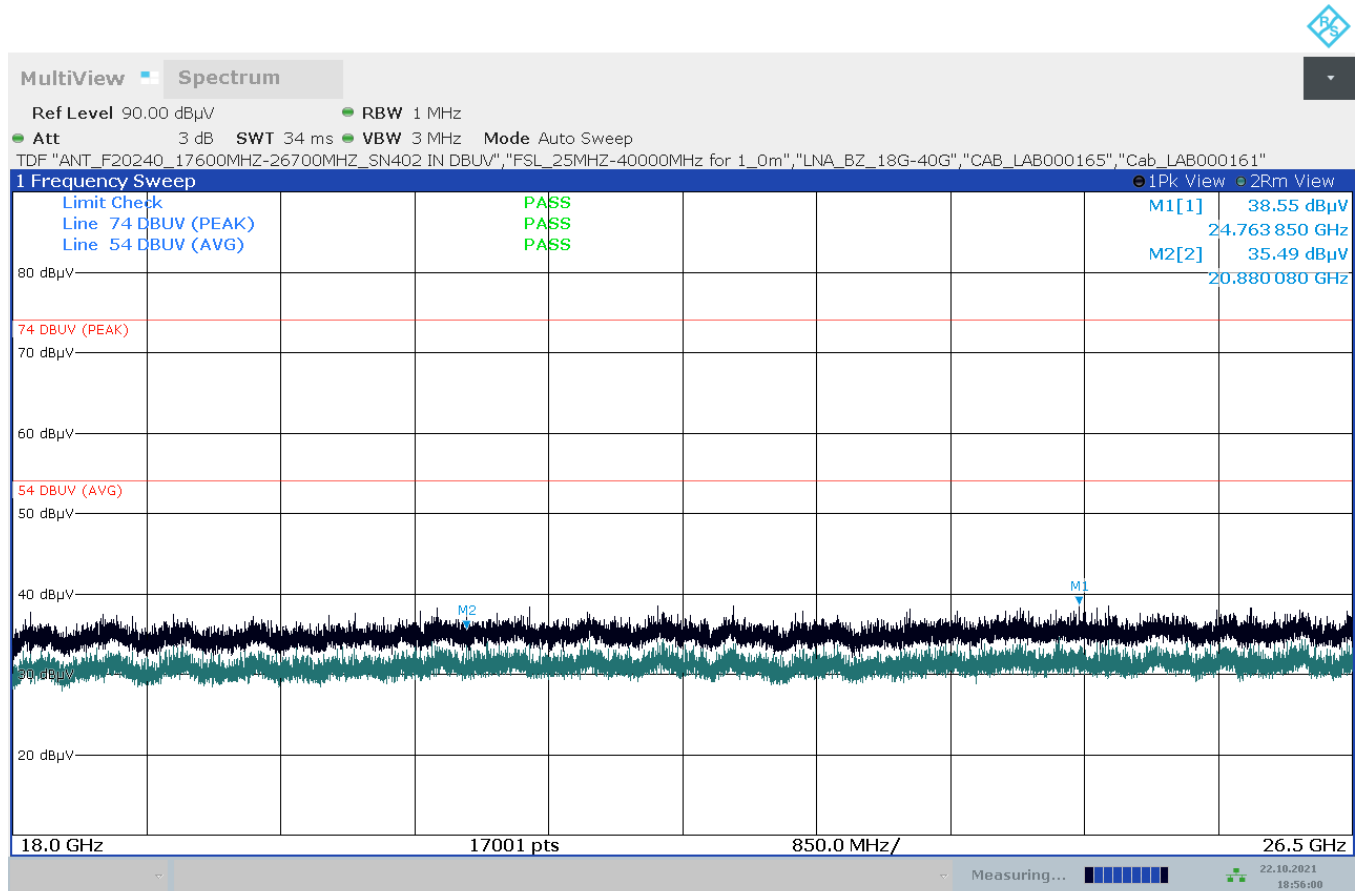
Annex A of TR no.: 21086128-23001-1

Plot 133: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



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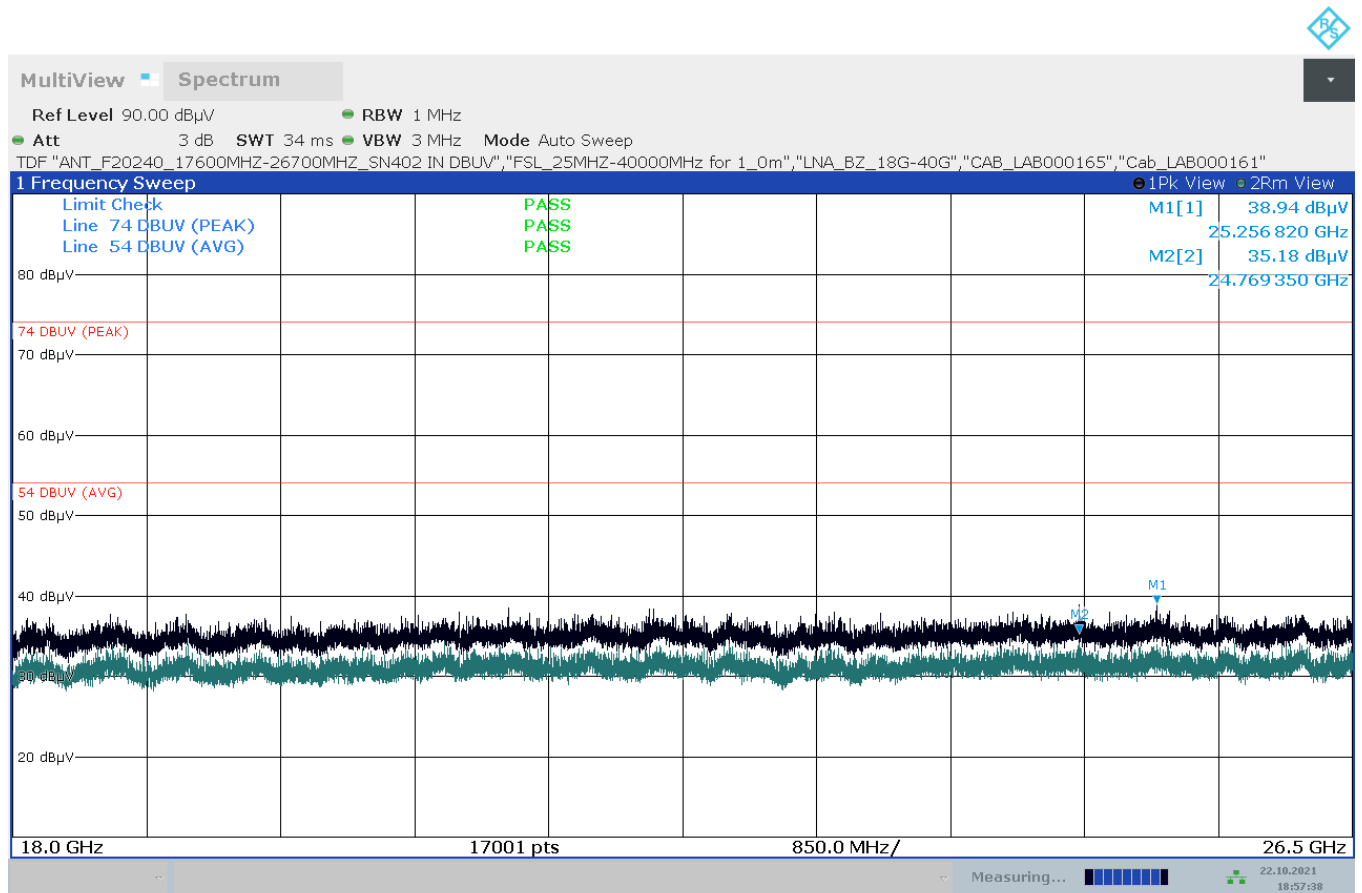
Plot 134: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



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Plot 135: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



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2.8 Variant ID #56

DUT Information

DUT Name: prePV 56
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65604

2.8.1 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

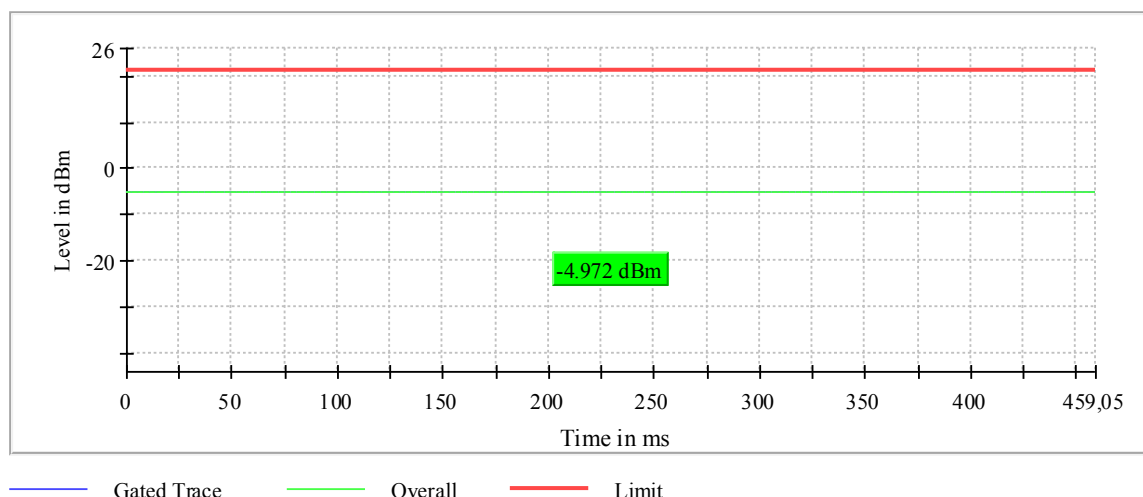
DUT Information

DUT Name: prePV 56
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65603

Plot 136: 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	-5.0	21.0	-5.0	46.210	PASS

Gated Trace

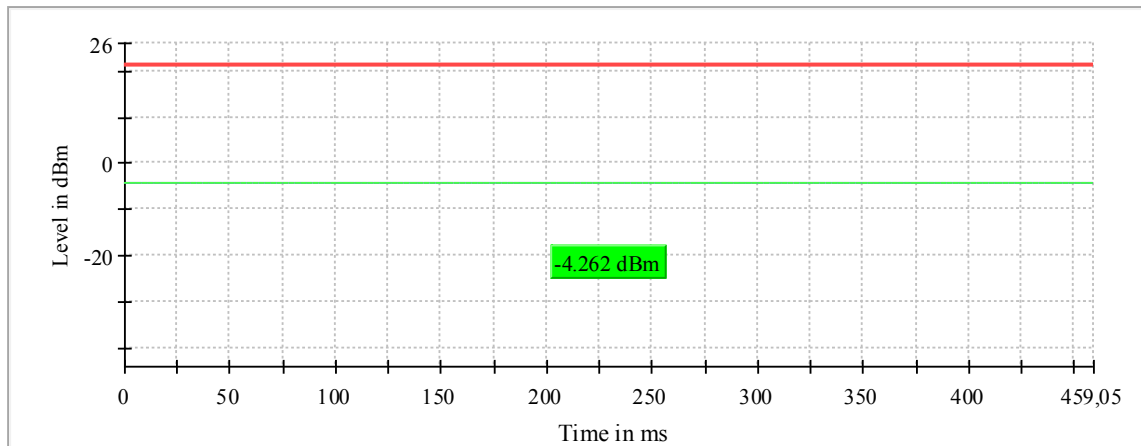


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Plot 137: Test Mode 1, GFSK, 1 Mbit/s, RF output power, mid channel 39, 2441 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-4.3	21.0	-4.3	46.211	PASS

Gated Trace

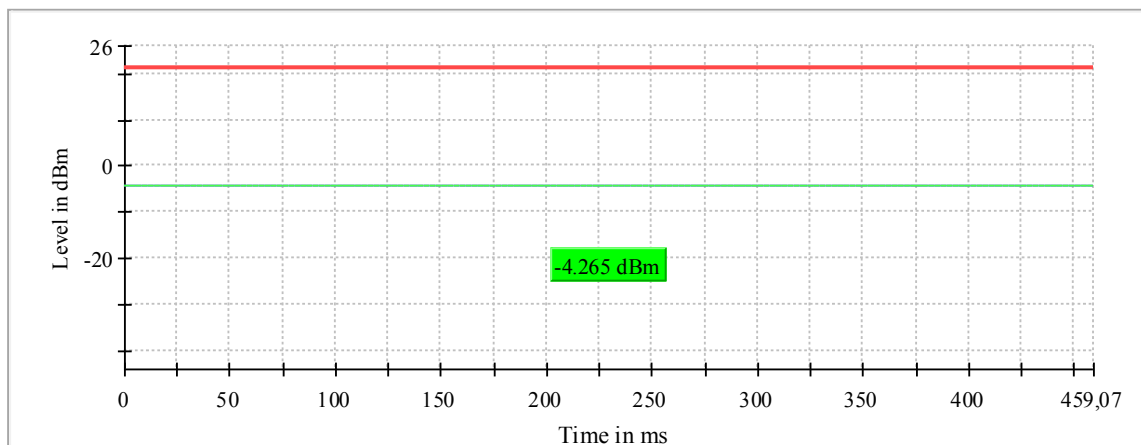


— Gated Trace — Overall — Limit

Plot 138: 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	-4.3	21.0	-4.3	46.212	PASS

Gated Trace

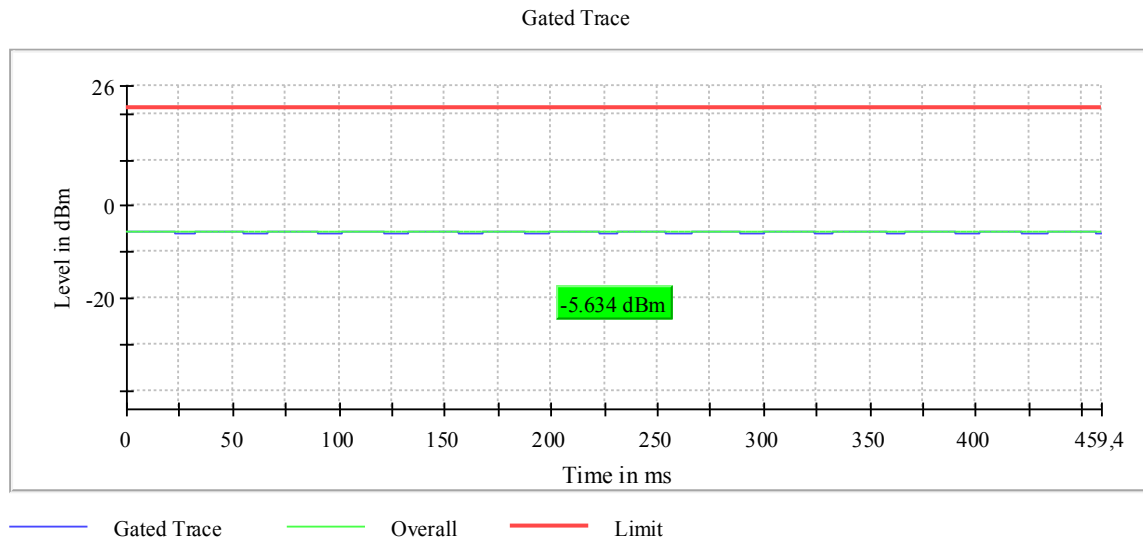


— Gated Trace — Overall — Limit

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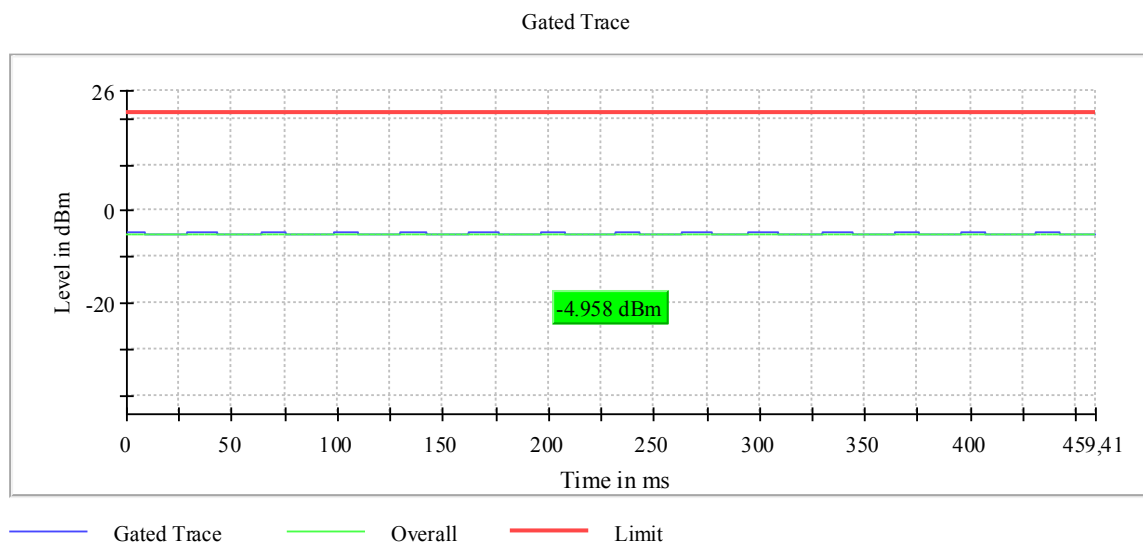
Plot 139: Test Mode 2, $\pi/4$ -DQPSK, 2 Mbit/s, RF output power, low channel 0, 2402 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-5.6	21.0	-5.6	46.246	PASS



Plot 140: 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	-5.0	21.0	-5.0	46.247	PASS

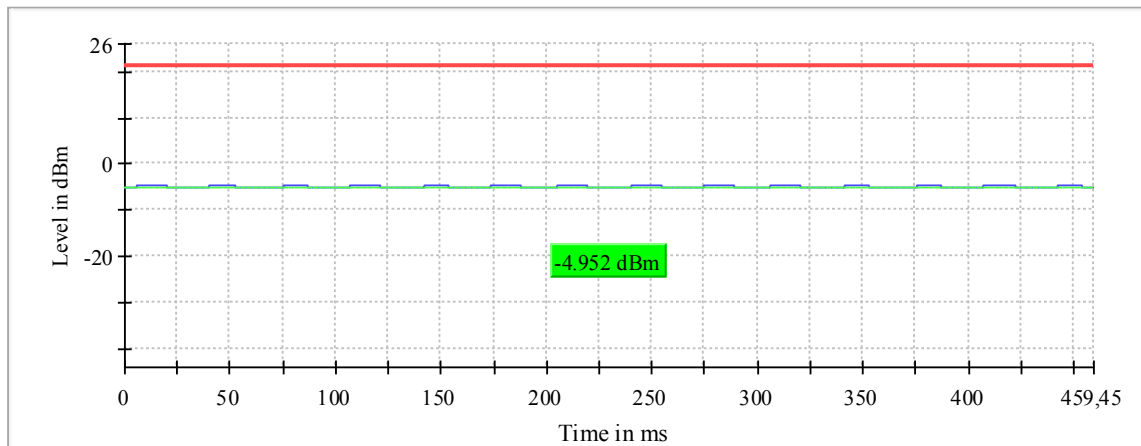


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Plot 141: Test Mode 2, $\pi/4$ -DQPSK, 2 Mbit/s, RF output power, high channel 78, 2480 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-5.0	21.0	-5.0	46.251	PASS

Gated Trace

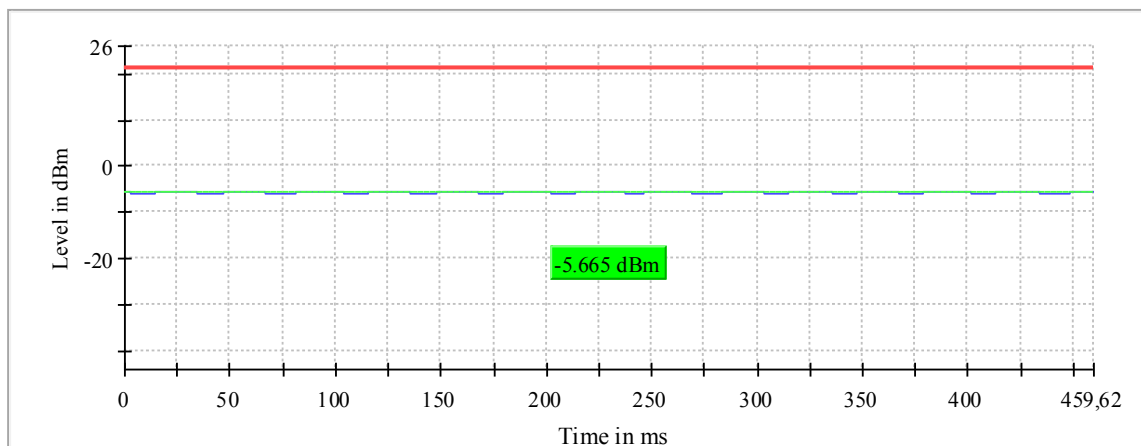


— Gated Trace — Overall — Limit

Plot 142: 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	-5.7	21.0	-5.7	46.268	PASS

Gated Trace



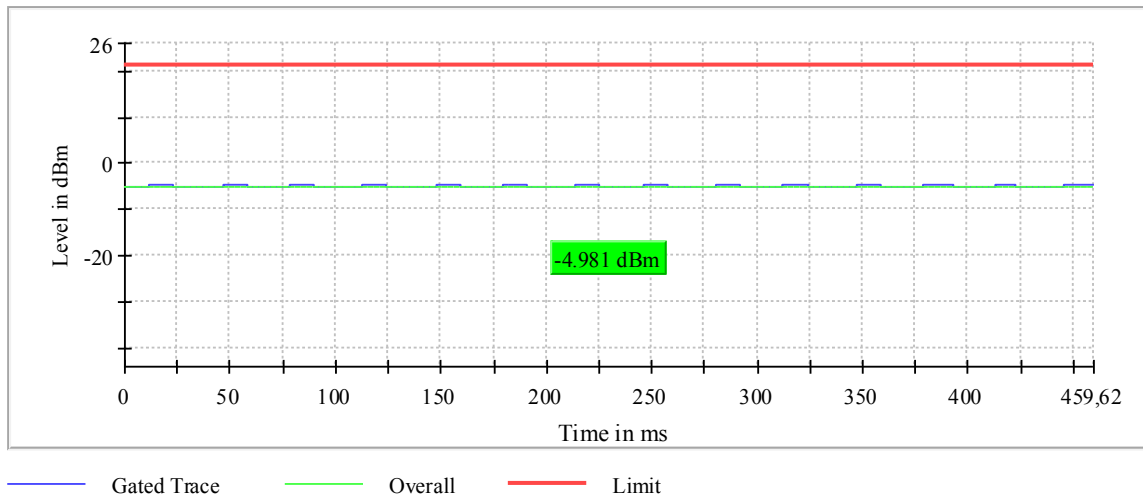
— Gated Trace — Overall — Limit

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Plot 143: 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	-5.0	21.0	-5.0	46.268	PASS

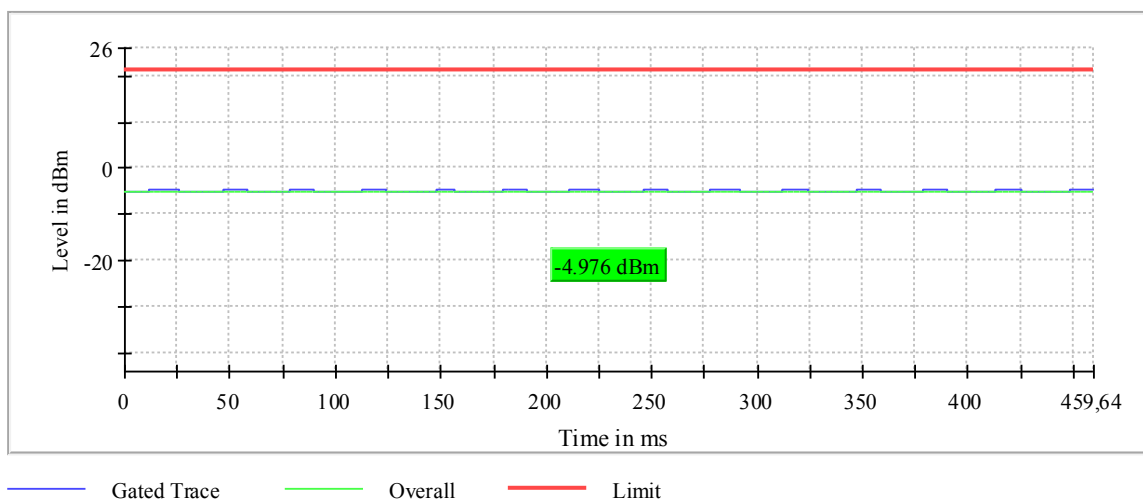
Gated Trace



Plot 144: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, high channel 78, 2480 MHz

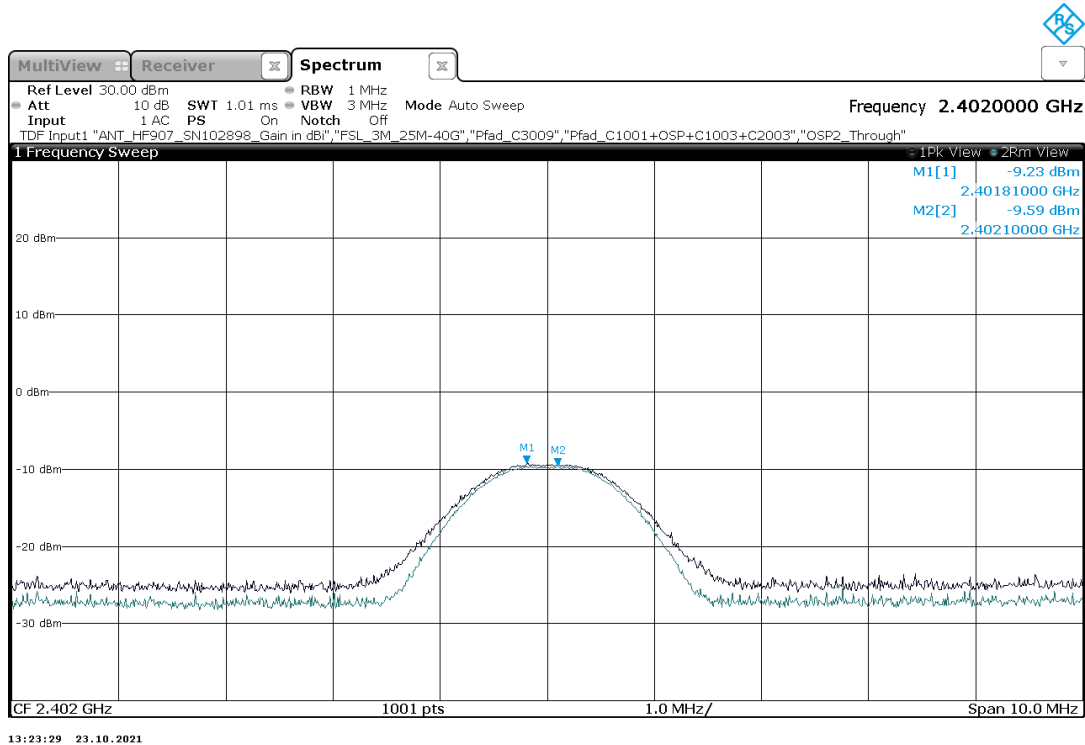
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-5.0	21.0	-5.0	46.270	PASS

Gated Trace

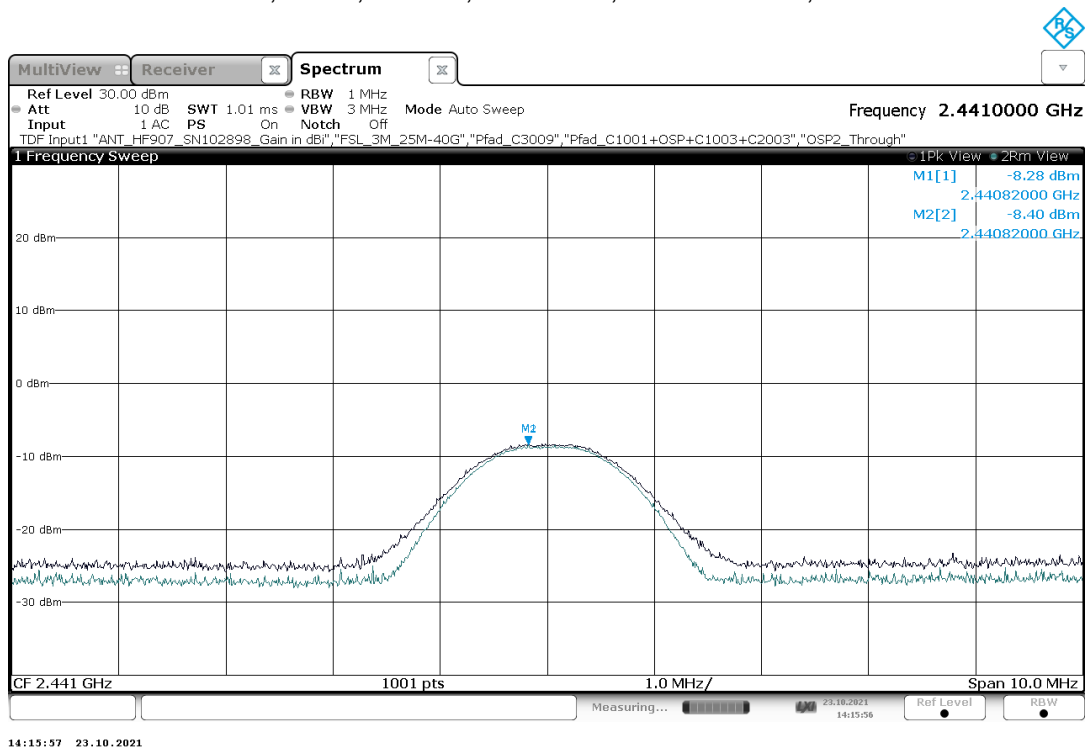


2.8.2 Radiated Peak Power (Peak EIRP)

Plot 145: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, low channel 0, 2402 MHz

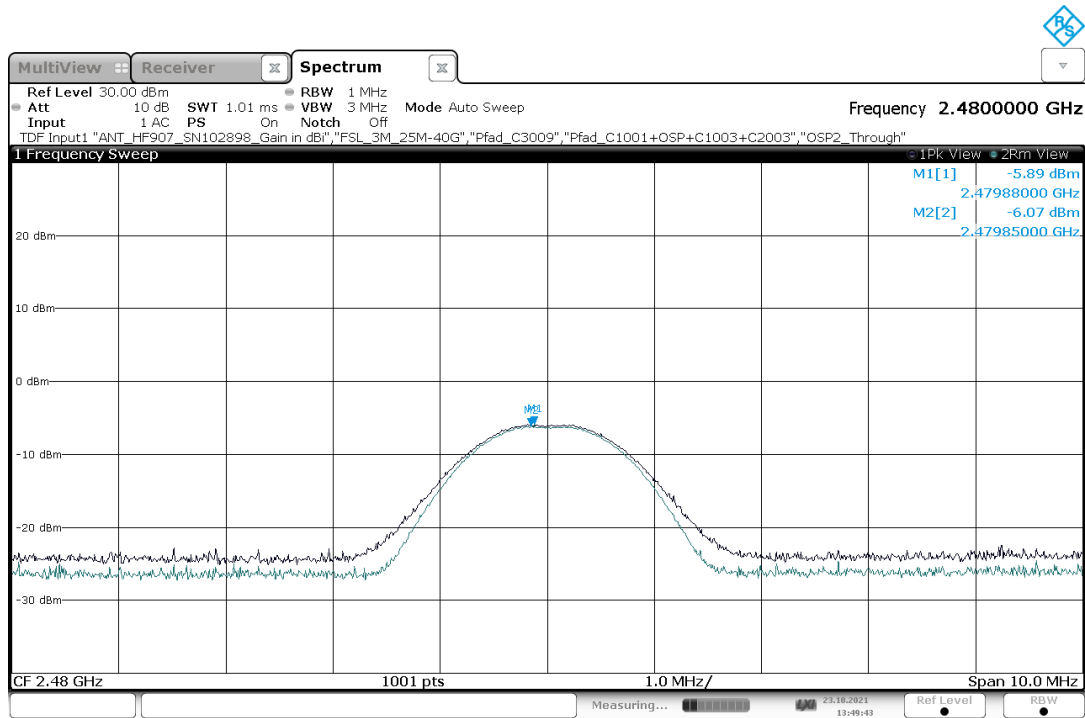


Plot 146: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, mid channel 39, 2440 MHz



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Plot 147: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, high channel 78, 2480 MHz



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