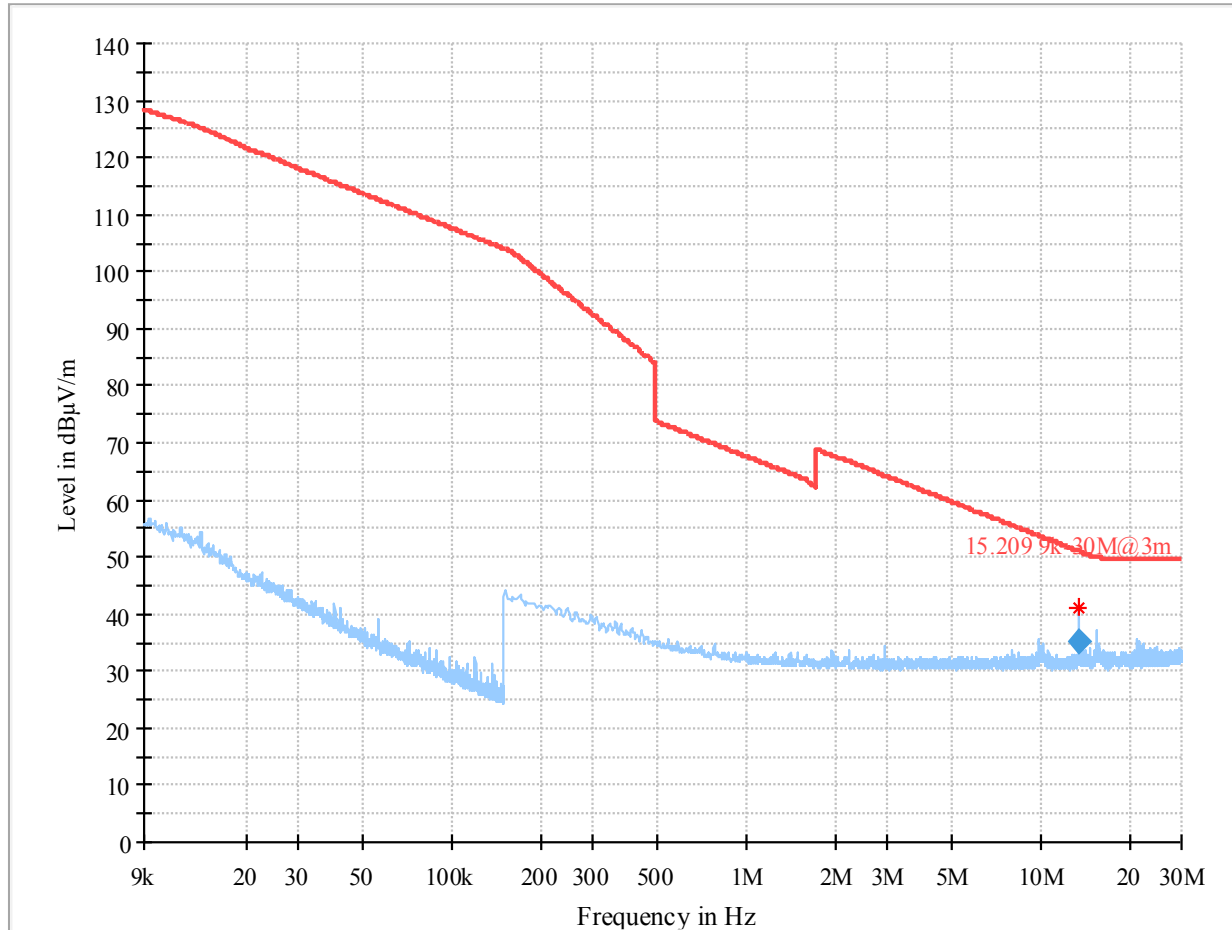


Plot 33: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna, EUT standing



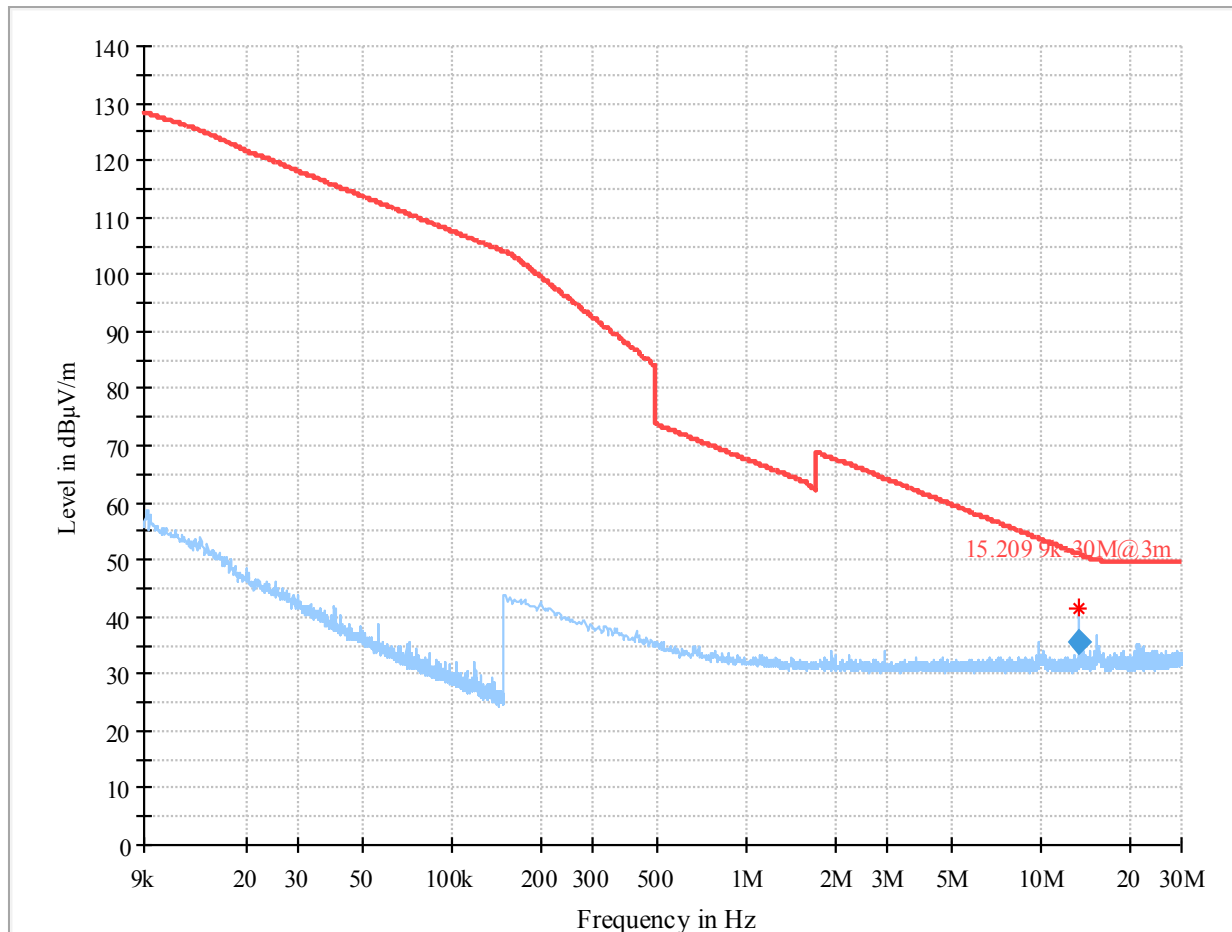
Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	35.36	50.94	15.58	100.0	9.000	H	60.0	20.5

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

Frequency (MHz)	Comment
13.560000	01:23:19 - 16.10.2021

Plot 34: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna, EUT laying



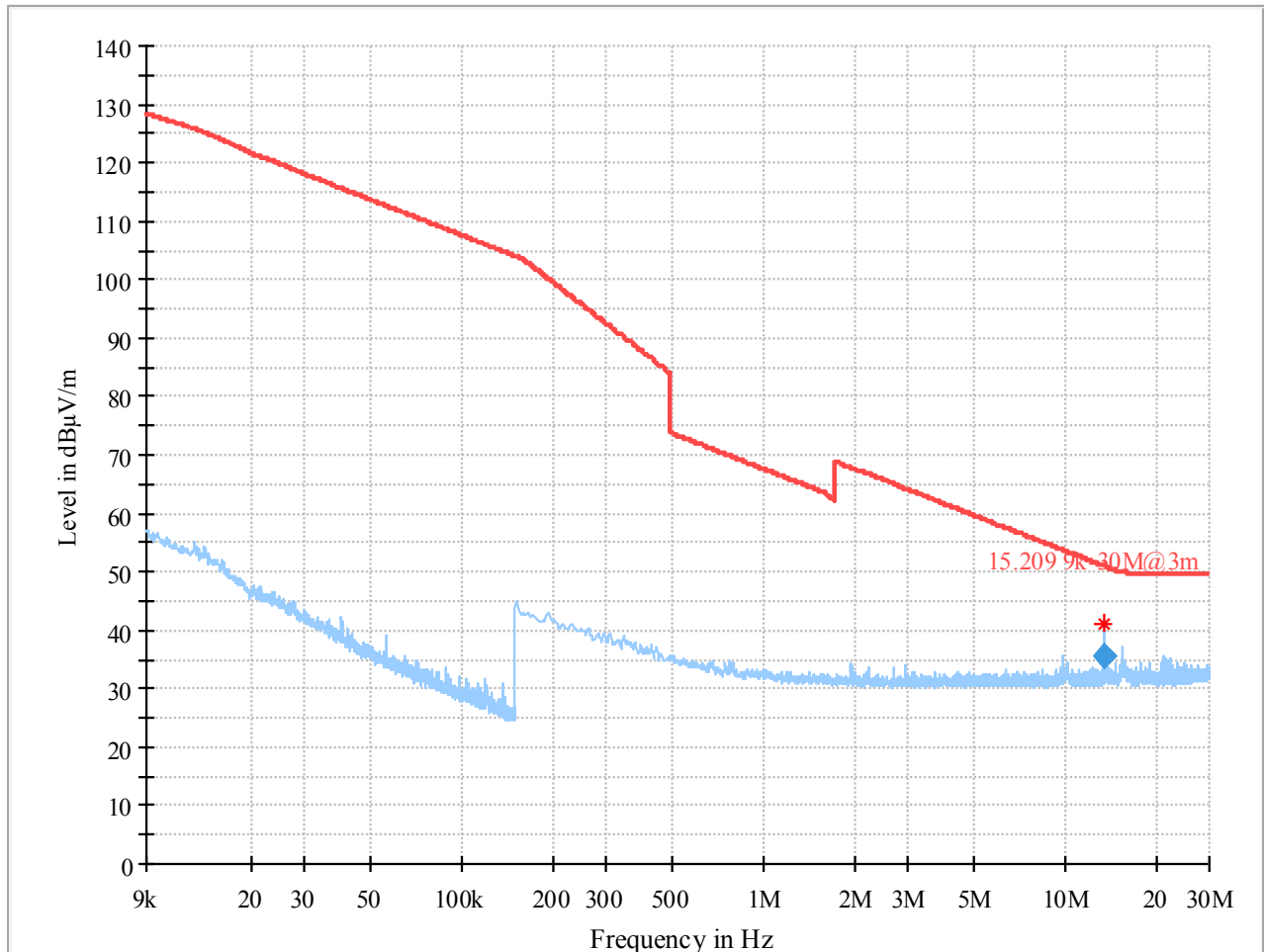
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	35.56	50.94	15.38	100.0	9.000	H	30.0	20.5

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

Frequency (MHz)	Comment
13.560000	00:49:20 - 16.10.2021

Plot 35: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna, EUT standing



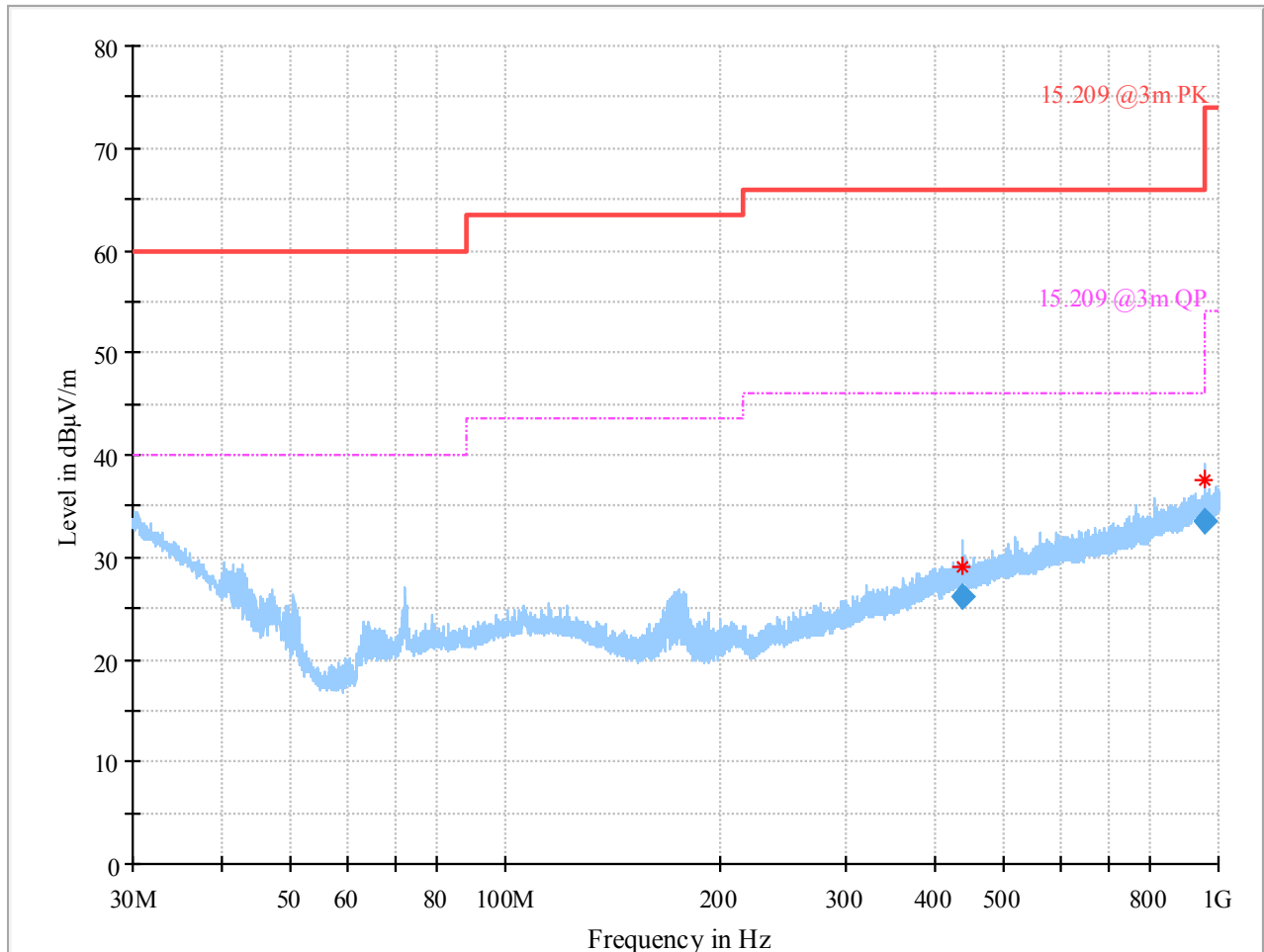
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	35.48	50.94	15.46	100.0	9.000	H	60.0	20.5

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

Frequency (MHz)	Comment
13.560000	00:36:54 - 16.10.2021

Plot 36: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation, EUT laying



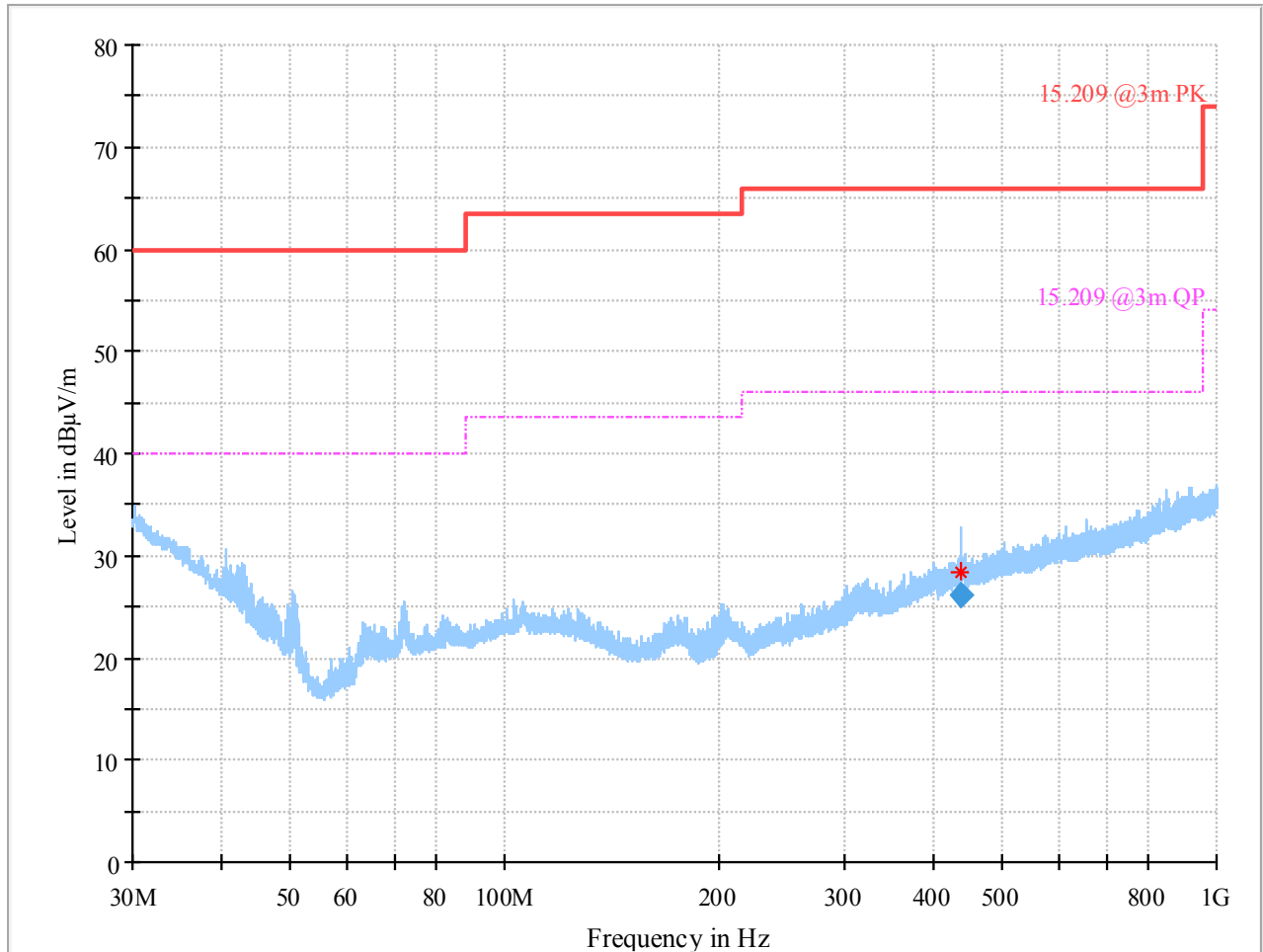
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
437.500000	26.17	66.00	39.83	100.0	120.000	130.0	V	319.0
954.075000	33.58	66.00	32.42	100.0	120.000	103.0	V	314.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
437.500000	16.8	23:25:52 - 15.10.2021
954.075000	23.5	23:28:11 - 15.10.2021

Plot 37: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation, EUT standing



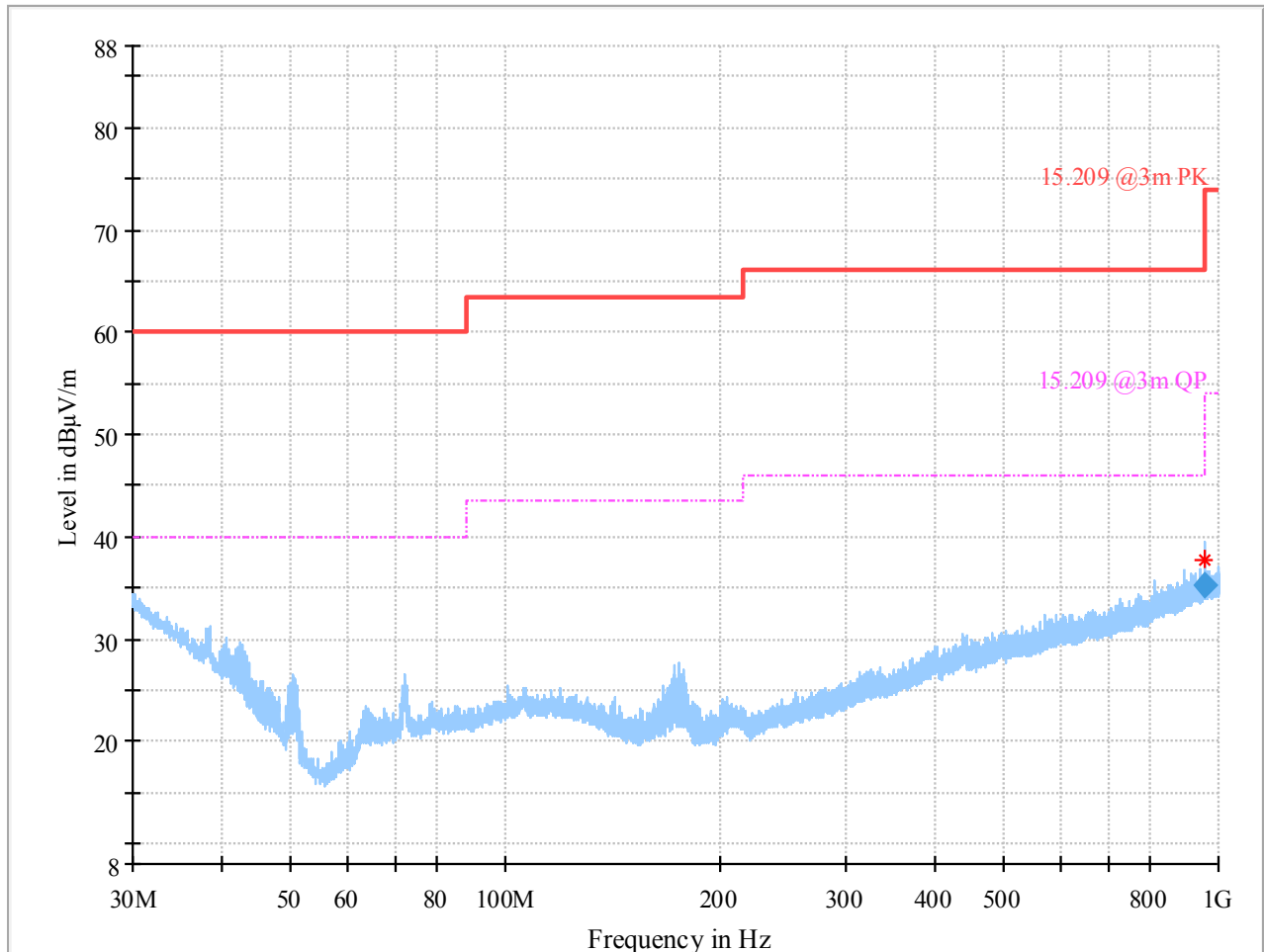
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
437.500000	26.08	66.00	39.92	100.0	120.000	100.0	V	-24.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
437.500000	16.8	23:41:21 - 15.10.2021

Plot 38: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation, EUT laying



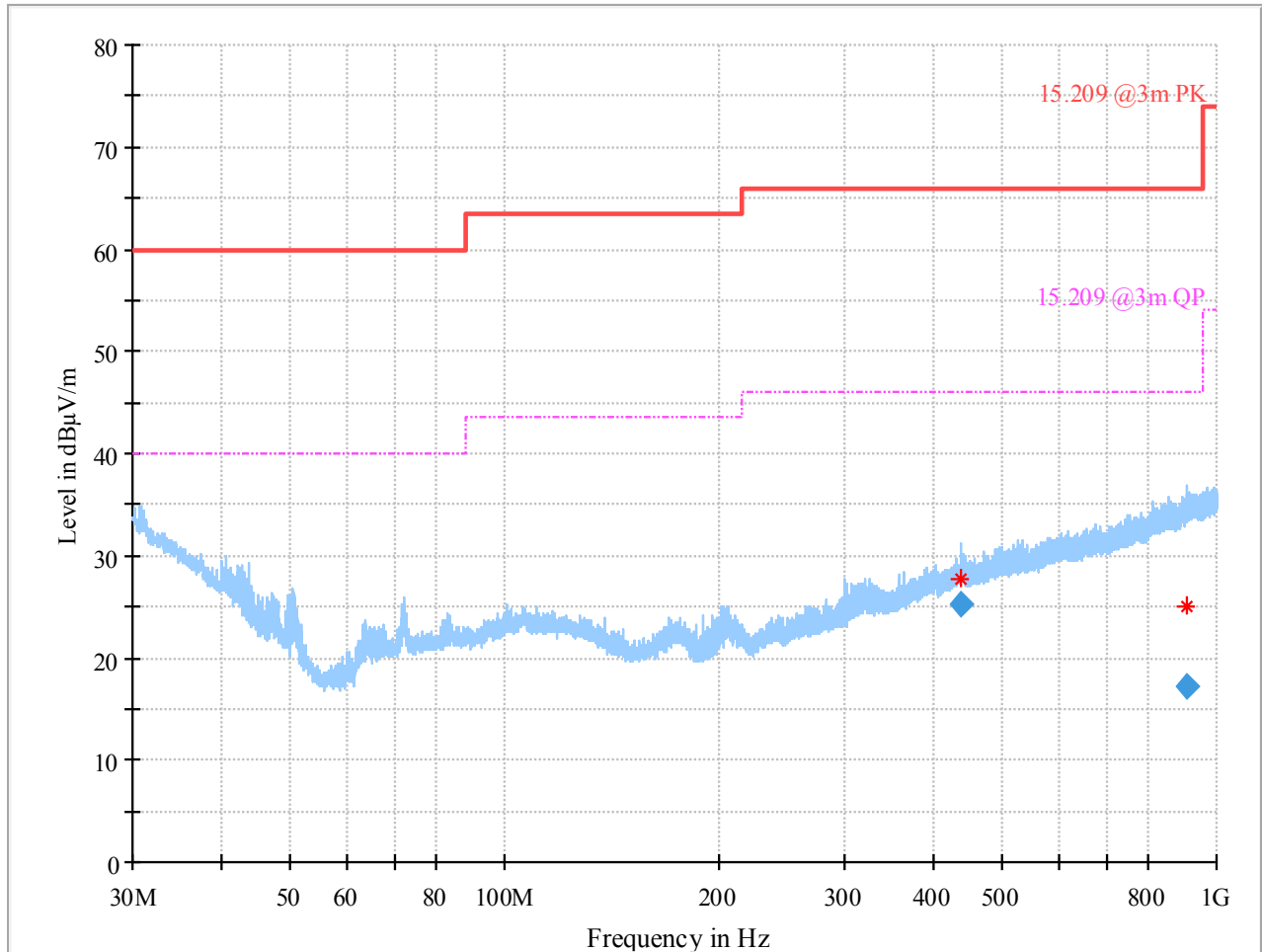
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
954.075000	35.26	66.00	30.74	100.0	120.000	106.0	V	-30.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
954.075000	23.5	00:12:05 - 16.10.2021

Plot 39: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation, EUT standing



Final_Result

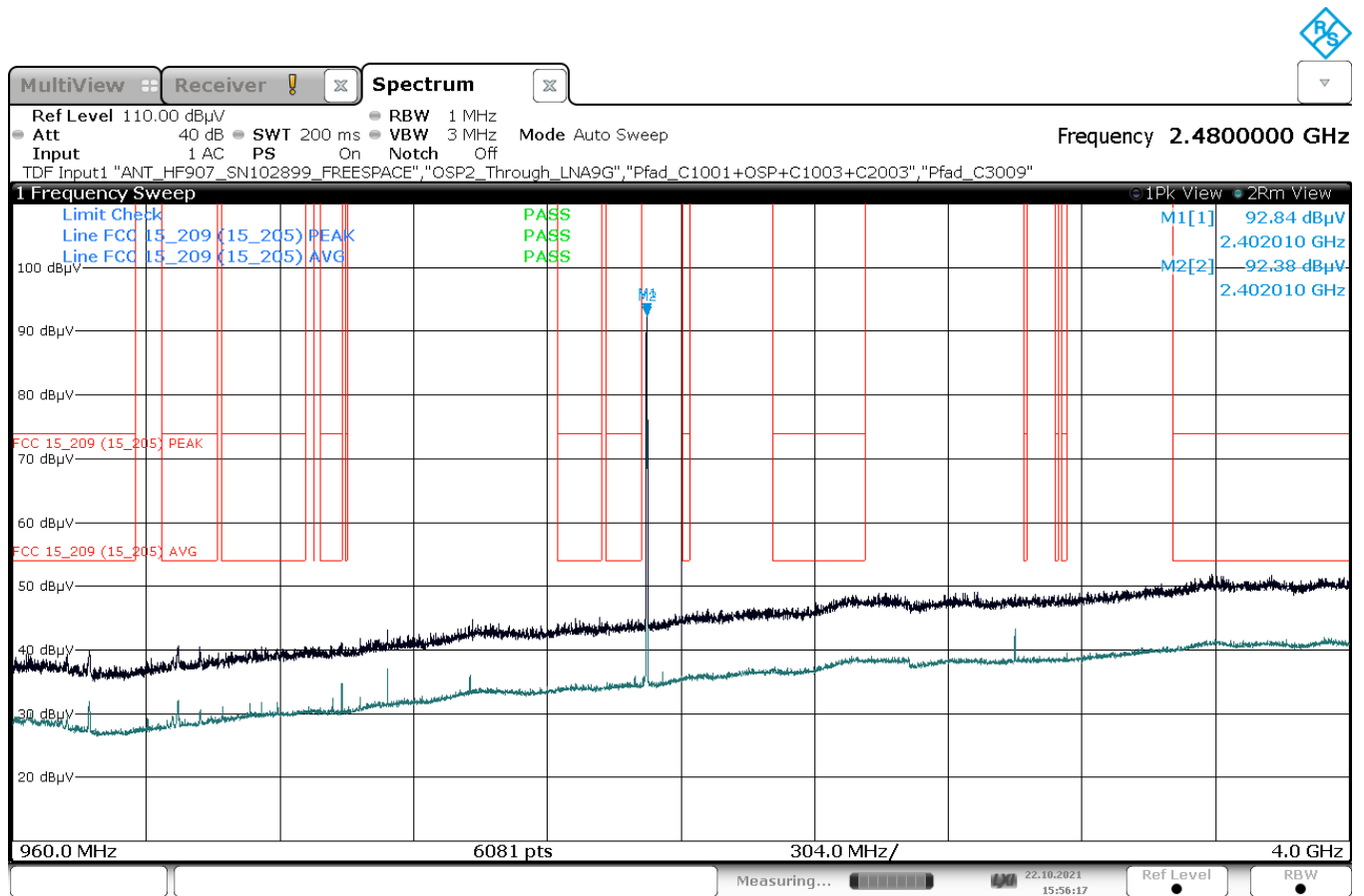
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
437.500000	25.17	66.00	40.83	100.0	120.000	104.0	V	30.0
908.375000	17.13	66.00	48.87	100.0	120.000	278.0	H	246.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
437.500000	16.8	23:59:20 - 15.10.2021
908.375000	23.3	23:56:31 - 15.10.2021

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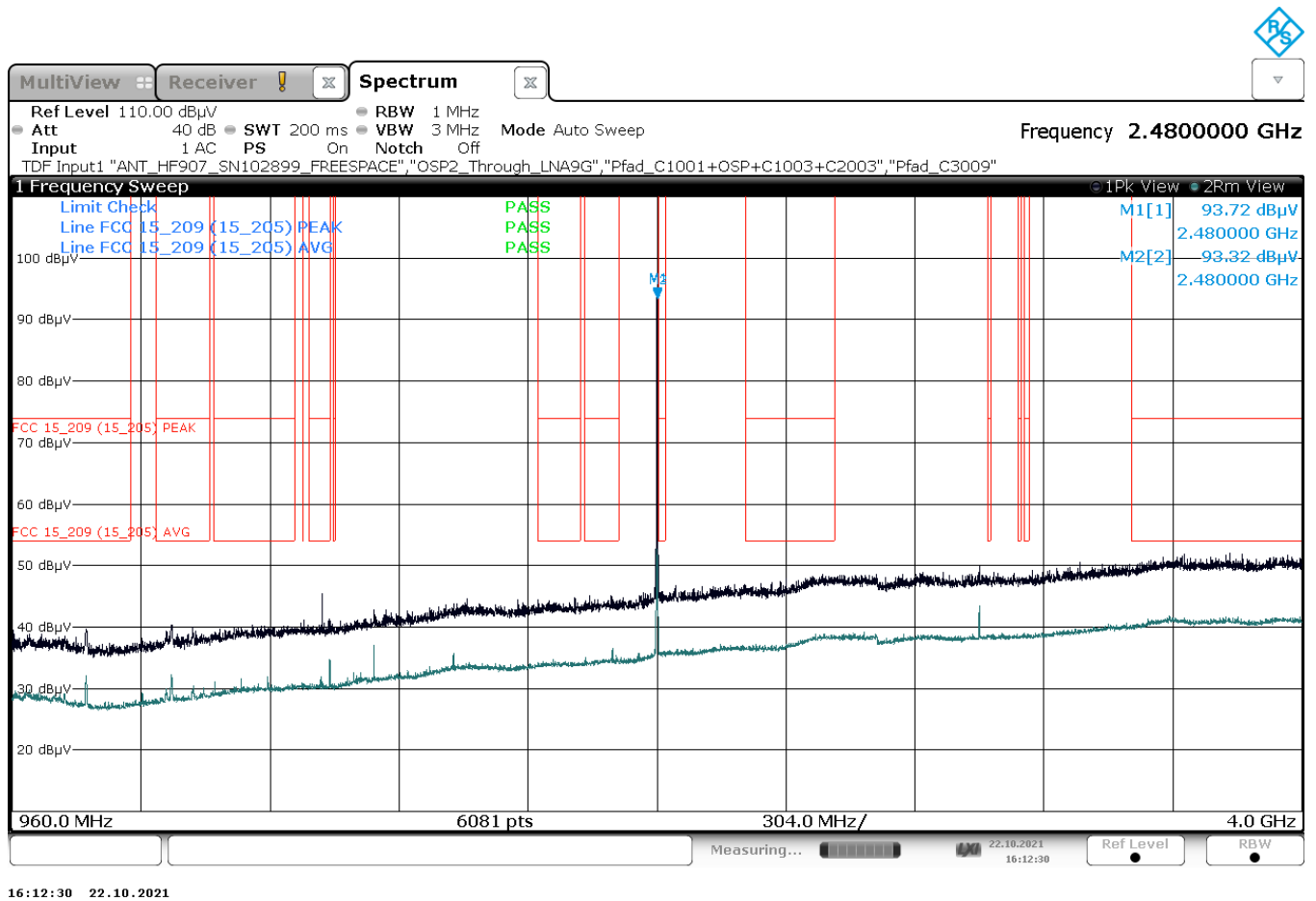
Plot 40: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



15:56:17 22.10.2021

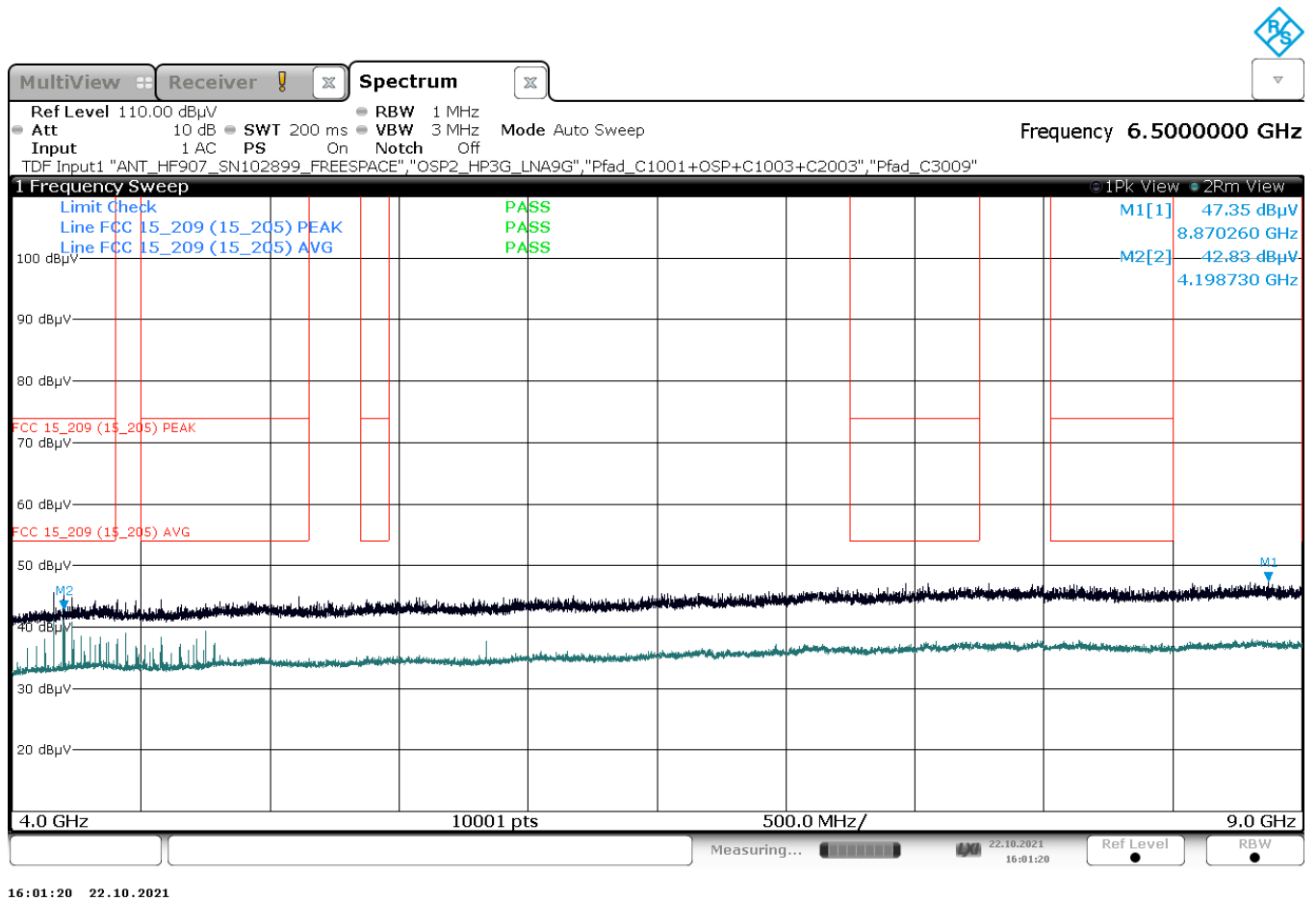
Annex A of TR no.: 21086128-23001-1

Plot 41: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



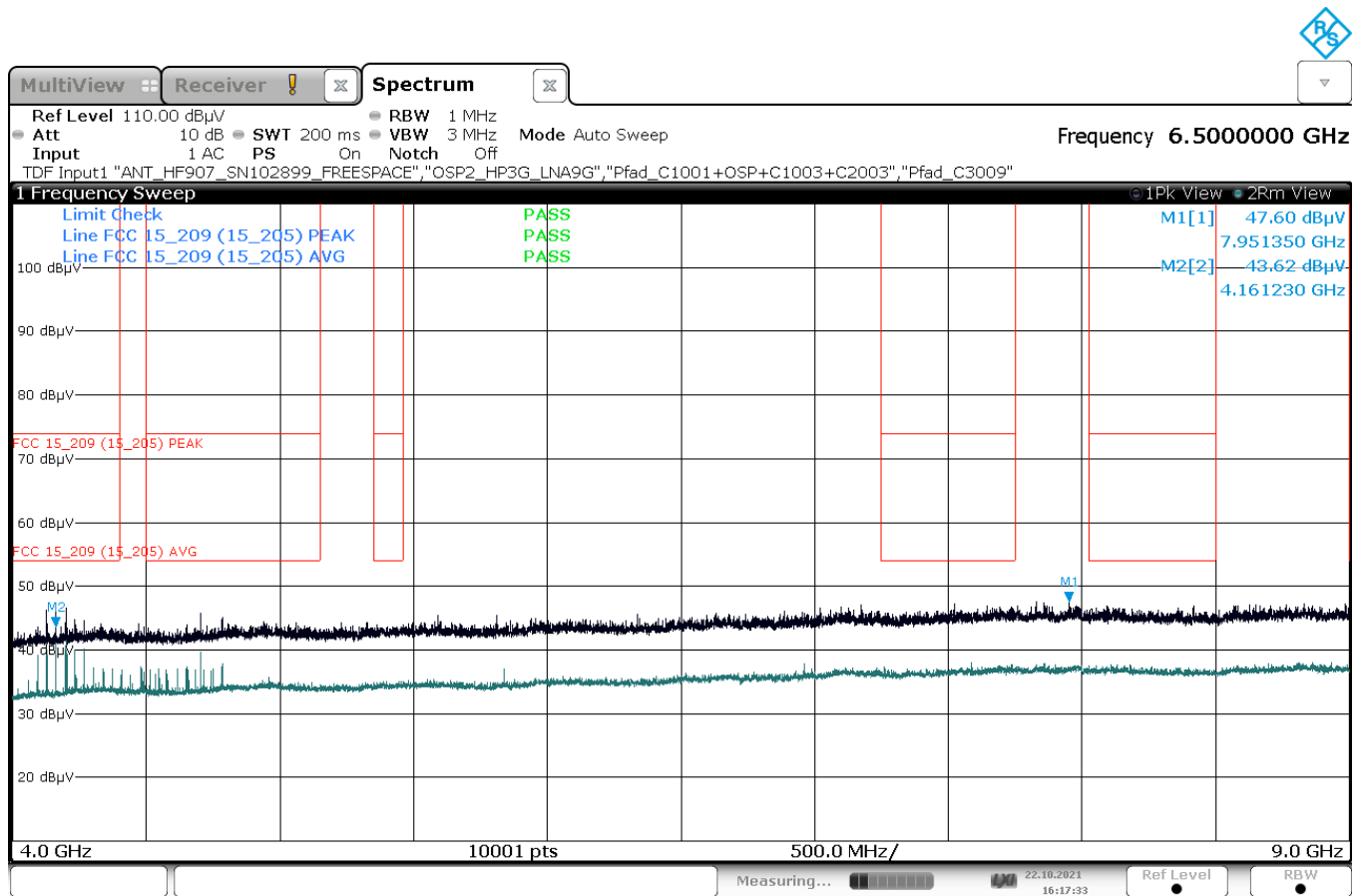
Annex A of TR no.: 21086128-23001-1

Plot 42: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



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Plot 43: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



16:17:34 22.10.2021

2.4 Variant ID #40

DUT Information

DUT Name: prePV 40
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 66404

2.4.1 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

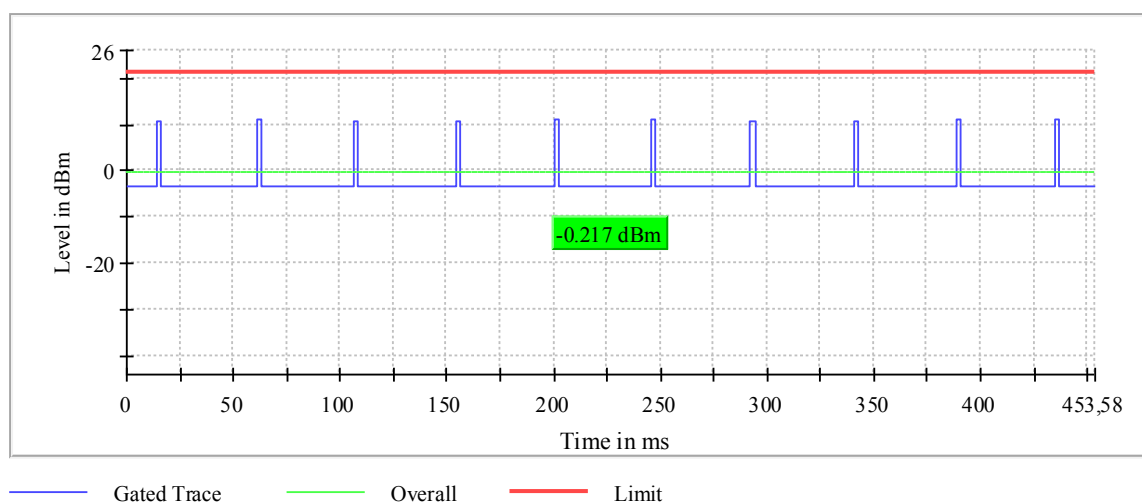
DUT Name: prePV 40
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 66403

Plot 44: Test Mode 1, GFSK, 1 Mbit/s, RF output power, low channel 0, 2402 MHz

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-0.2	21.0	-0.2	45.718	PASS

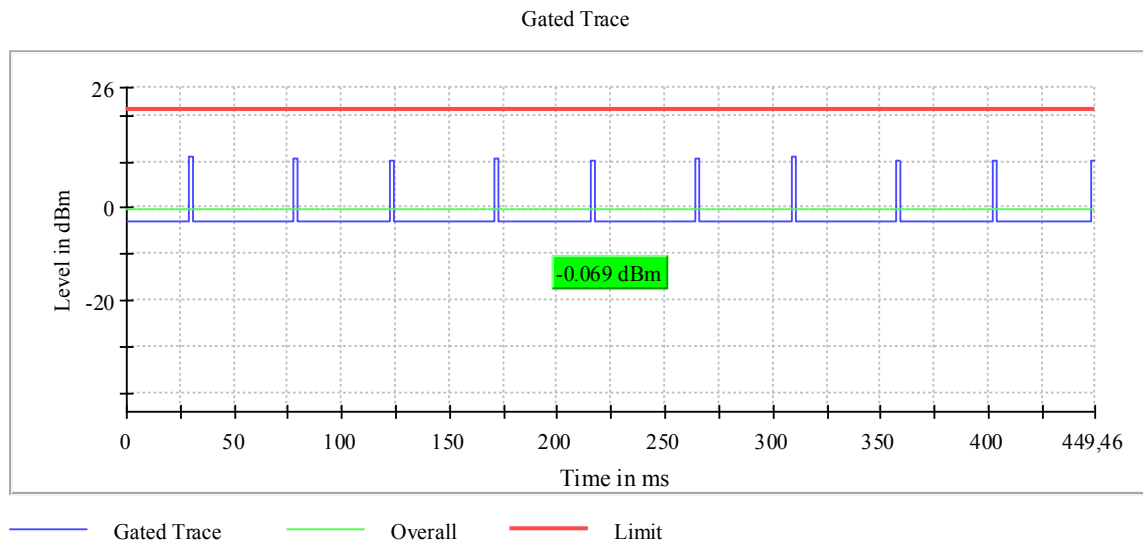
Gated Trace



Plot 45: Test Mode 1, GFSK, 1 Mbit/s, RF output power, mid channel 39, 2441 MHz

Result

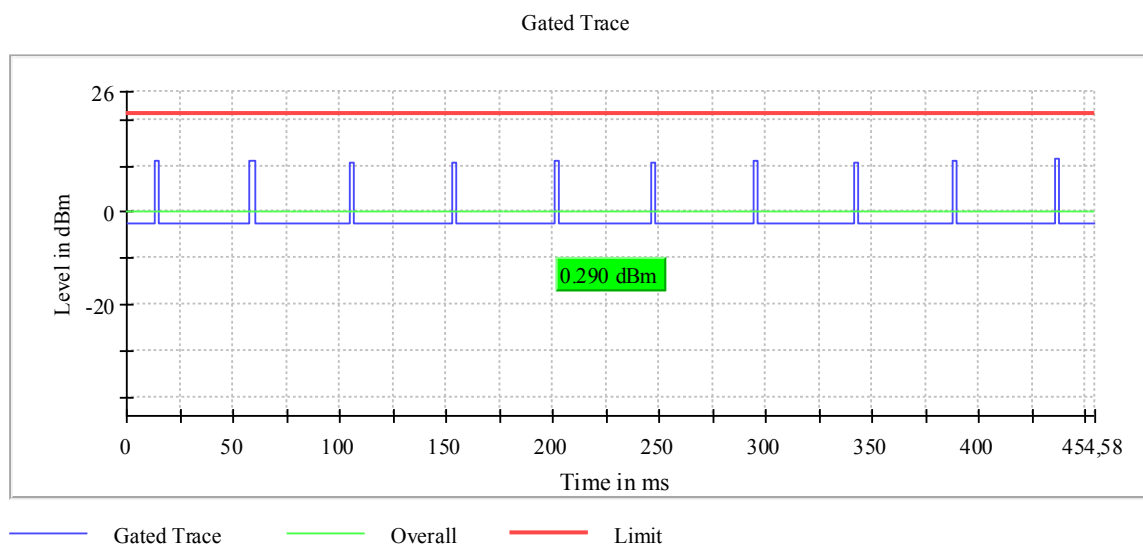
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-0.1	21.0	-0.1	45.359	PASS



Plot 46: Test Mode 1, GFSK, 1 Mbit/s, RF output power, high channel 78, 2480 MHz

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	0.3	21.0	0.3	45.818	PASS

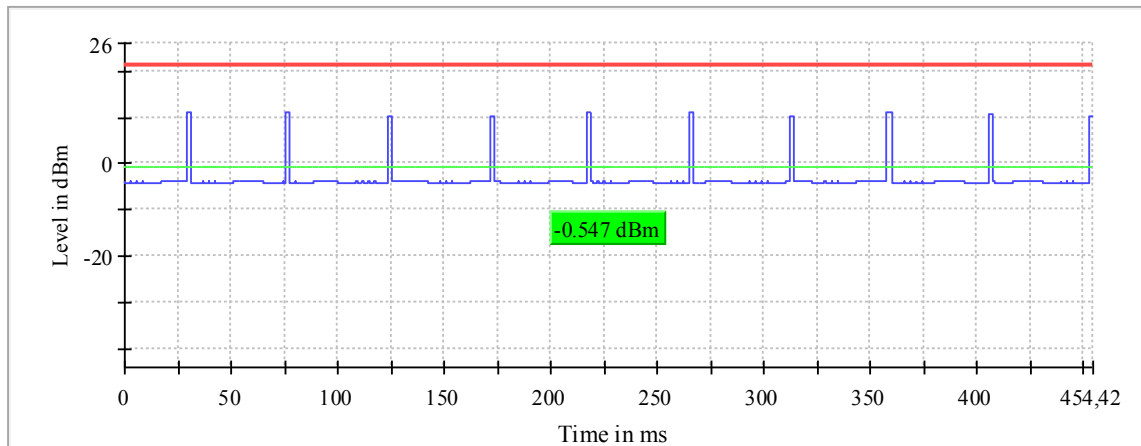


Plot 47: Test Mode 2, π /4-DQPSK, 2 Mbit/s, RF output power, low channel 0, 2402 MHz

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-0.5	21.0	-0.5	45.866	PASS

Gated Trace



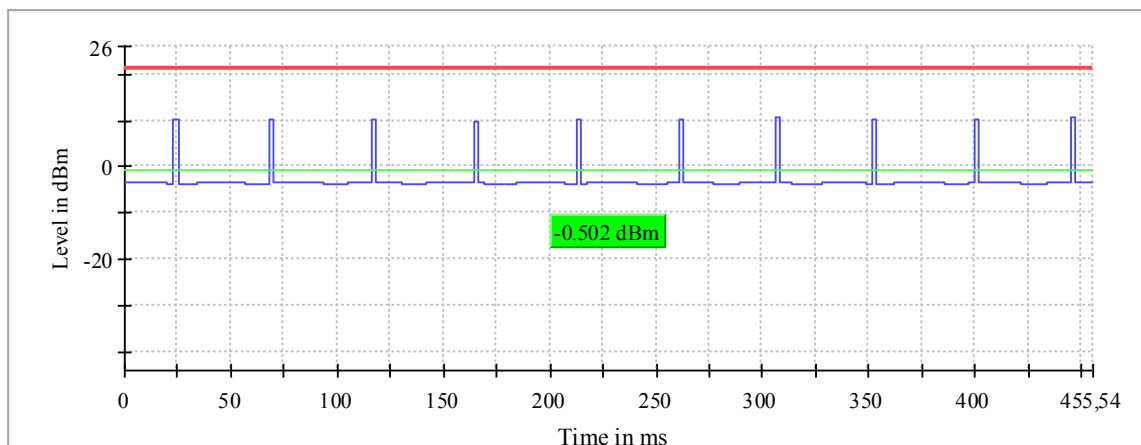
— Gated Trace — Overall — Limit

Plot 48: Test Mode 2, π /4-DQPSK, 2 Mbit/s, RF output power, mid channel 39, 2441 MHz

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-0.5	21.0	-0.5	45.915	PASS

Gated Trace



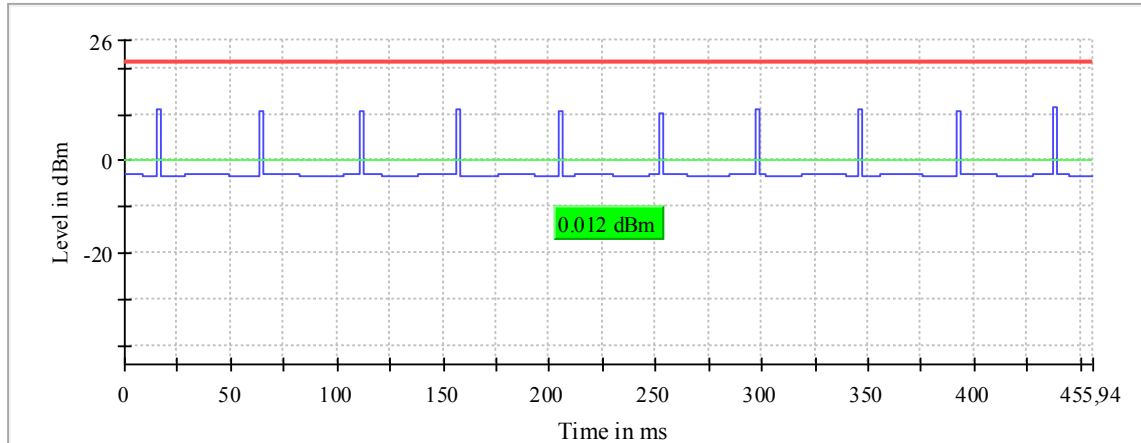
— Gated Trace — Overall — Limit

Plot 49: Test Mode 2, π /4-DQPSK, 2 Mbit/s, RF output power, high channel 78, 2480 MHz

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	0.0	21.0	0.0	45.668	PASS

Gated Trace



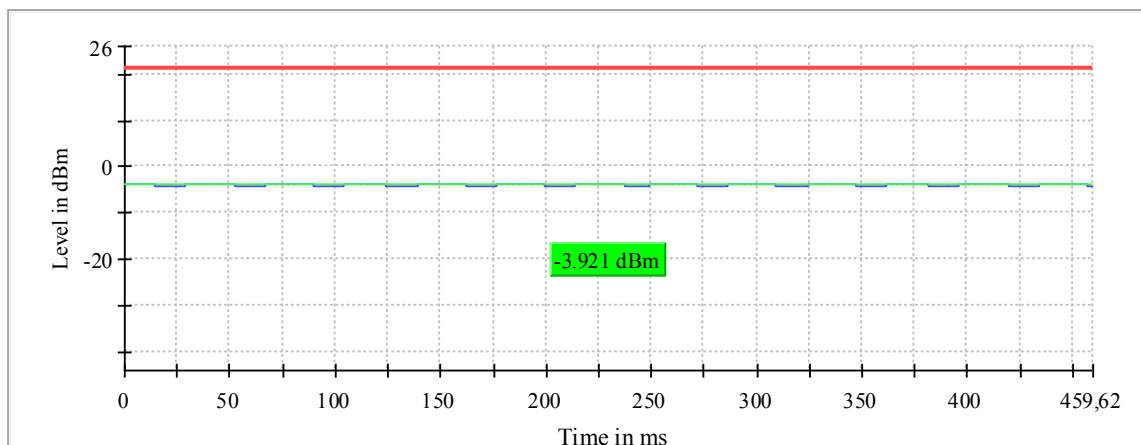
— Gated Trace — Overall — Limit

Plot 50: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, low channel 0, 2402 MHz

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-3.9	21.0	-3.9	46.268	PASS

Gated Trace

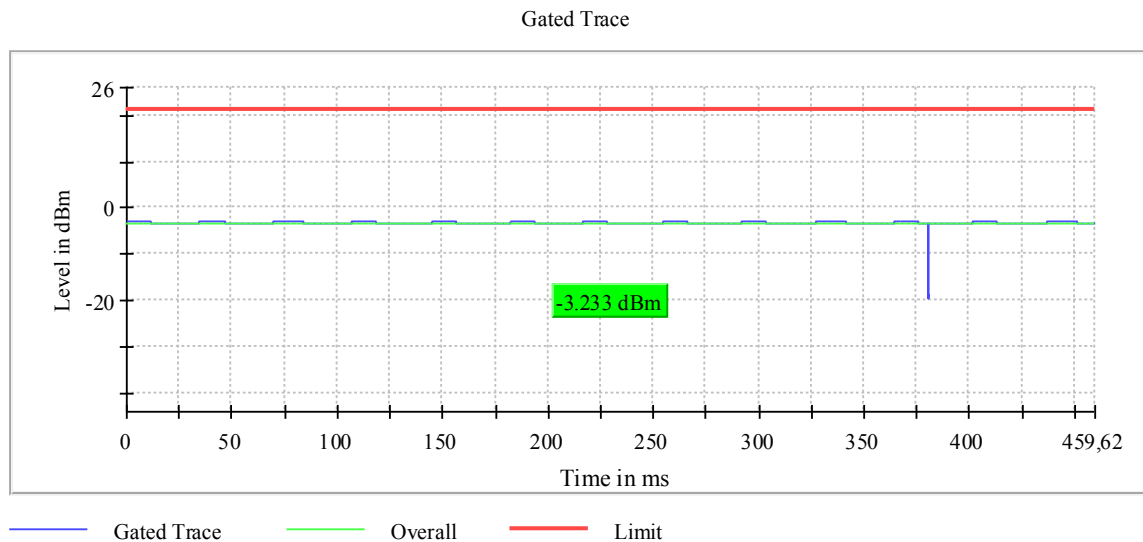


— Gated Trace — Overall — Limit

Plot 51: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, mid channel 39, 2441 MHz

Result

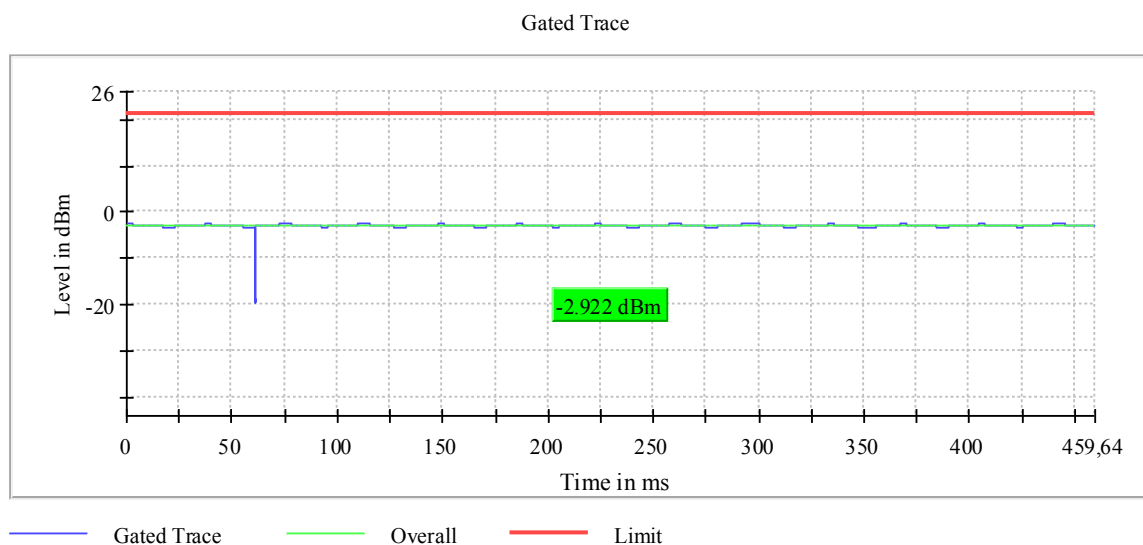
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-3.2	21.0	-3.2	46.095	PASS



Plot 52: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, high channel 78, 2480 MHz

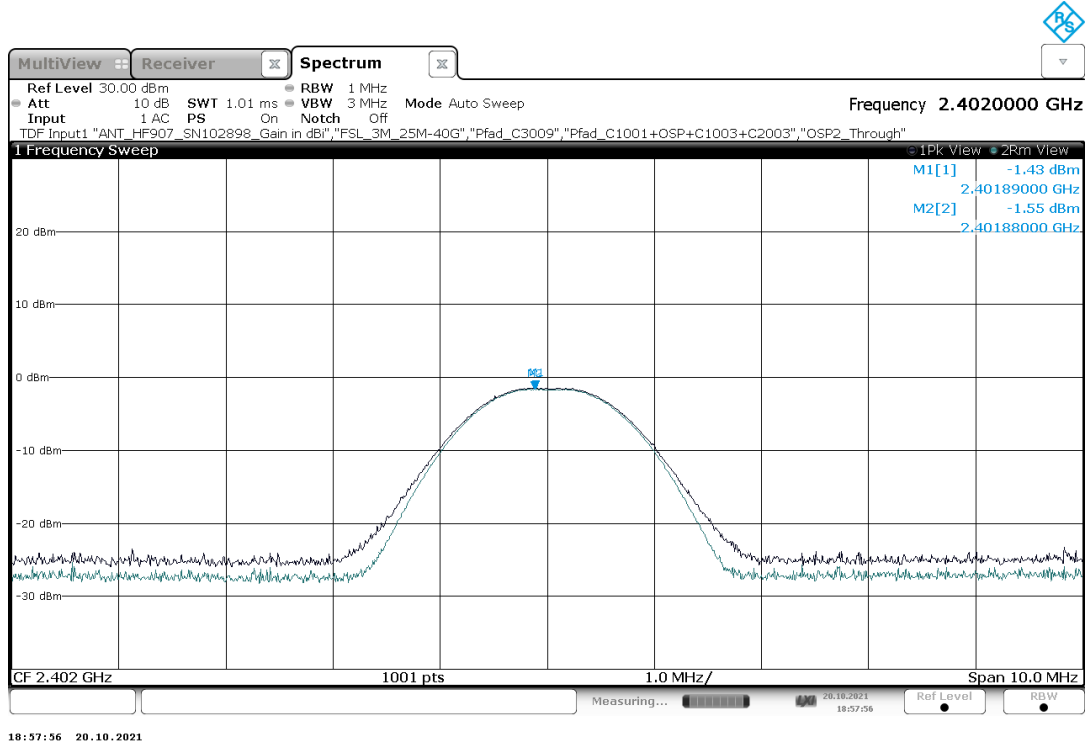
Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-2.9	21.0	-2.9	46.270	PASS

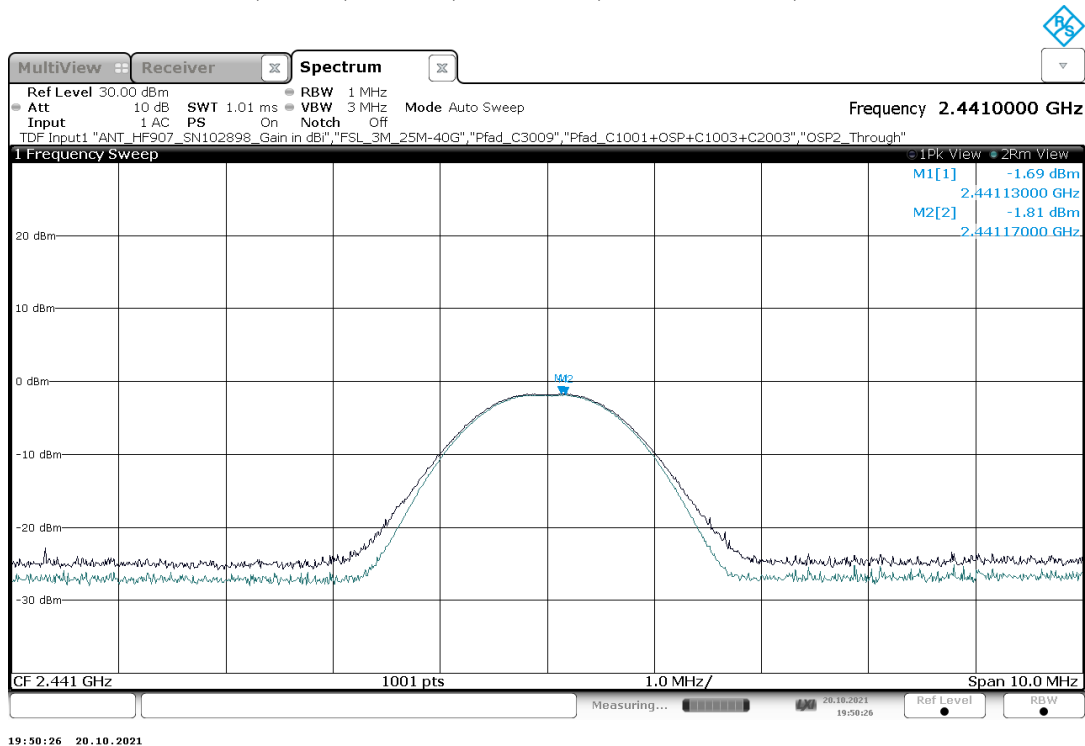


2.4.2 Radiated Peak Power (Peak EIRP)

Plot 53: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, low channel 0, 2402 MHz

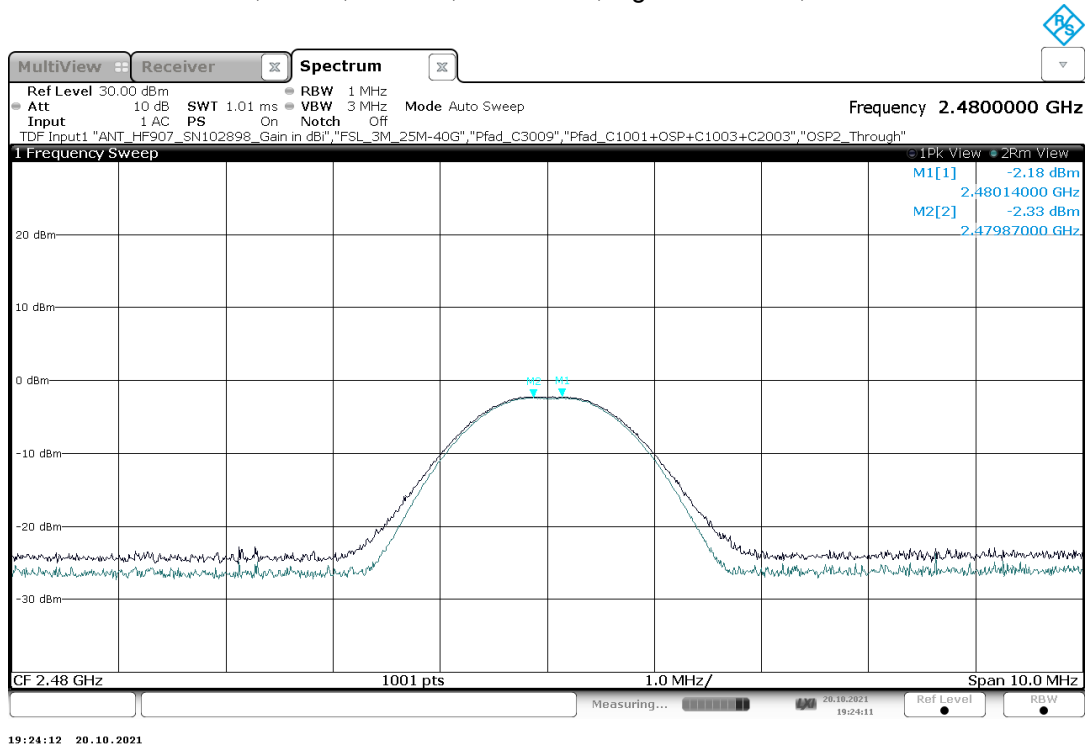


Plot 54: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, mid channel 39, 2440 MHz



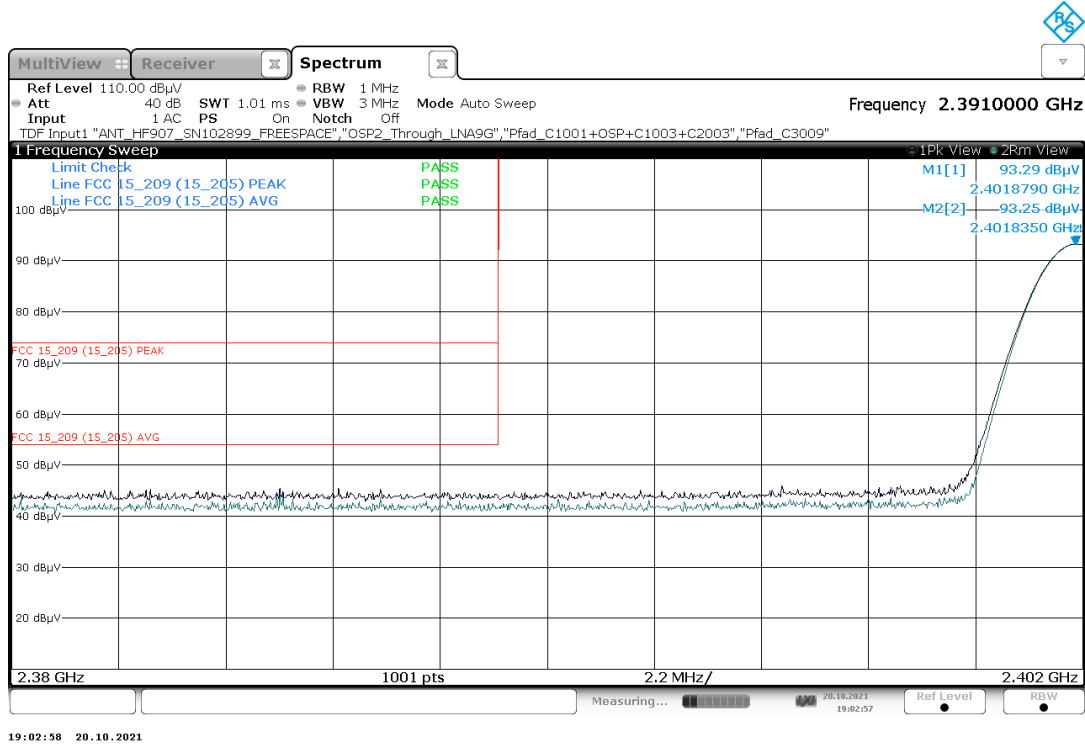
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Plot 55: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, high channel 78, 2480 MHz

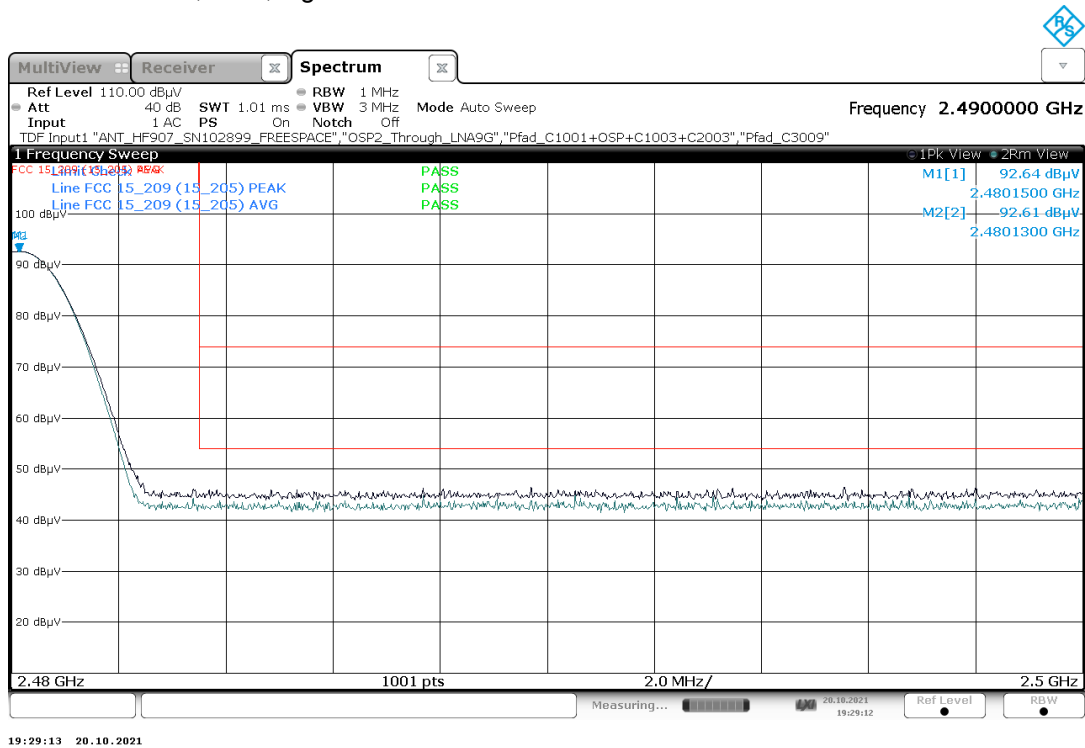


2.4.3 Band Edge Compliance (BEC), radiated

Plot 56: Mode 1, BEC, low channel 0

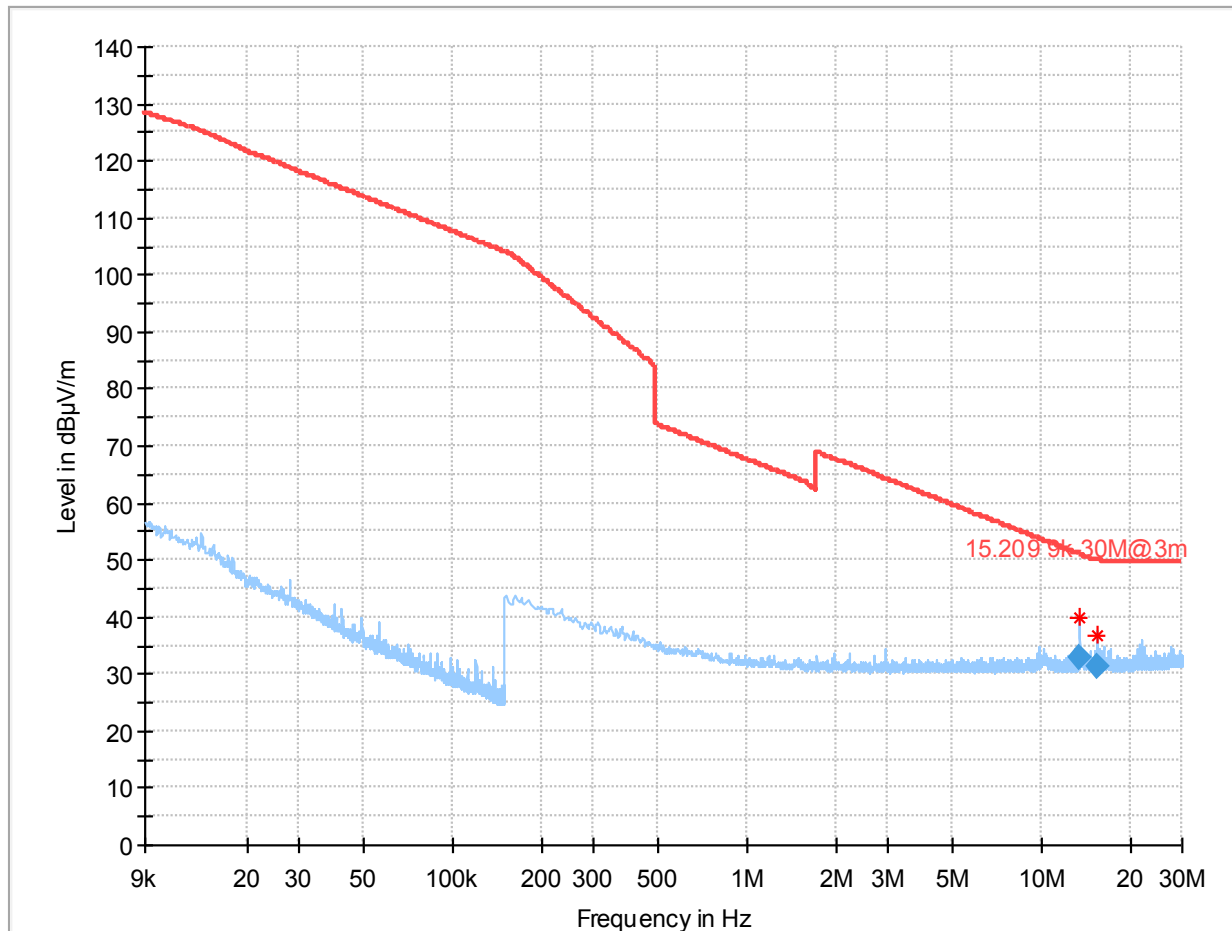


Plot 57: Mode 1, BEC, high channel 78



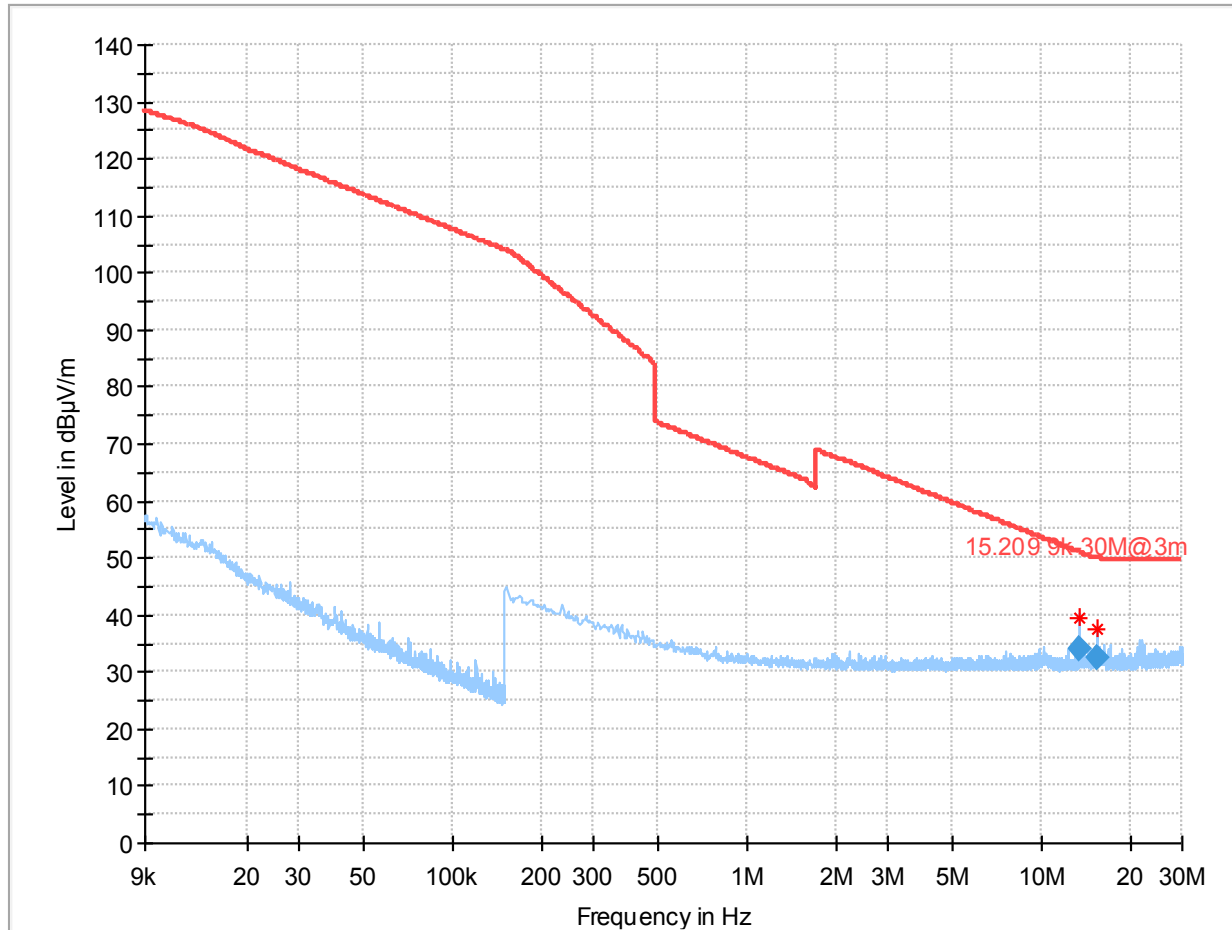
2.4.4 Radiated Spurious Emissions (RSE)

Plot 58: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



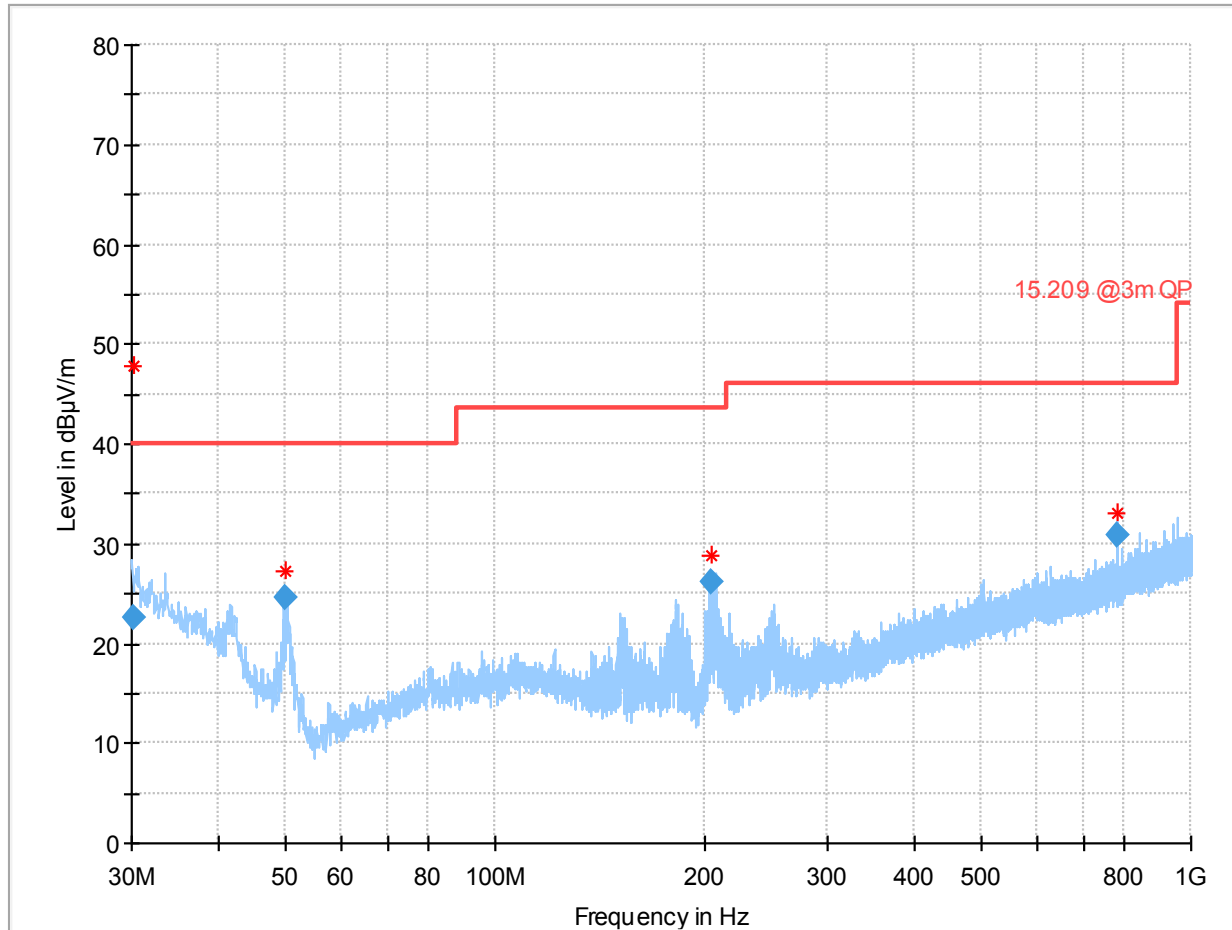
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	32.97	50.94	17.97	100.0	9.000	V	110.0	20.5
15.549000	31.16	50.03	18.87	100.0	9.000	V	210.0	20.5

Plot 59: 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	33.88	50.94	17.06	100.0	9.000	V	300.0	20.5
15.553500	32.43	50.03	17.60	100.0	9.000	V	60.0	20.5

Plot 60: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation

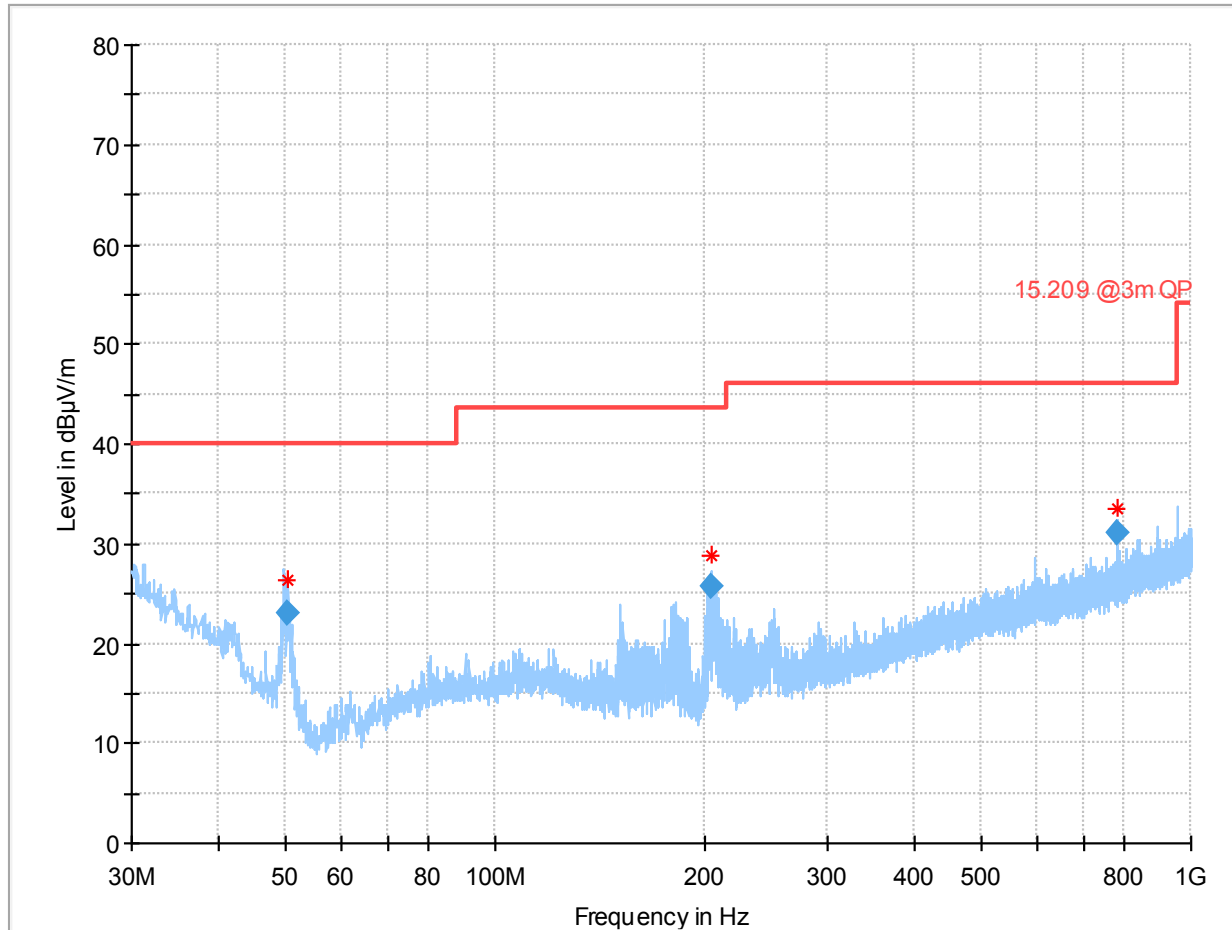


Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
30.125000	22.54	40.00	17.46	100.0	120.000	320.0	V	135.0
49.991000	24.52	40.00	15.48	100.0	120.000	103.0	V	65.0
205.083500	26.09	43.50	17.41	100.0	120.000	100.0	V	42.0
785.703500	30.74	46.00	15.26	100.0	120.000	100.0	H	80.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
30.125000	20.3	02:50:45 - 30.10.2021
49.991000	8.2	02:48:26 - 30.10.2021
205.083500	11.0	02:46:35 - 30.10.2021
785.703500	21.8	02:44:32 - 30.10.2021

Plot 61: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



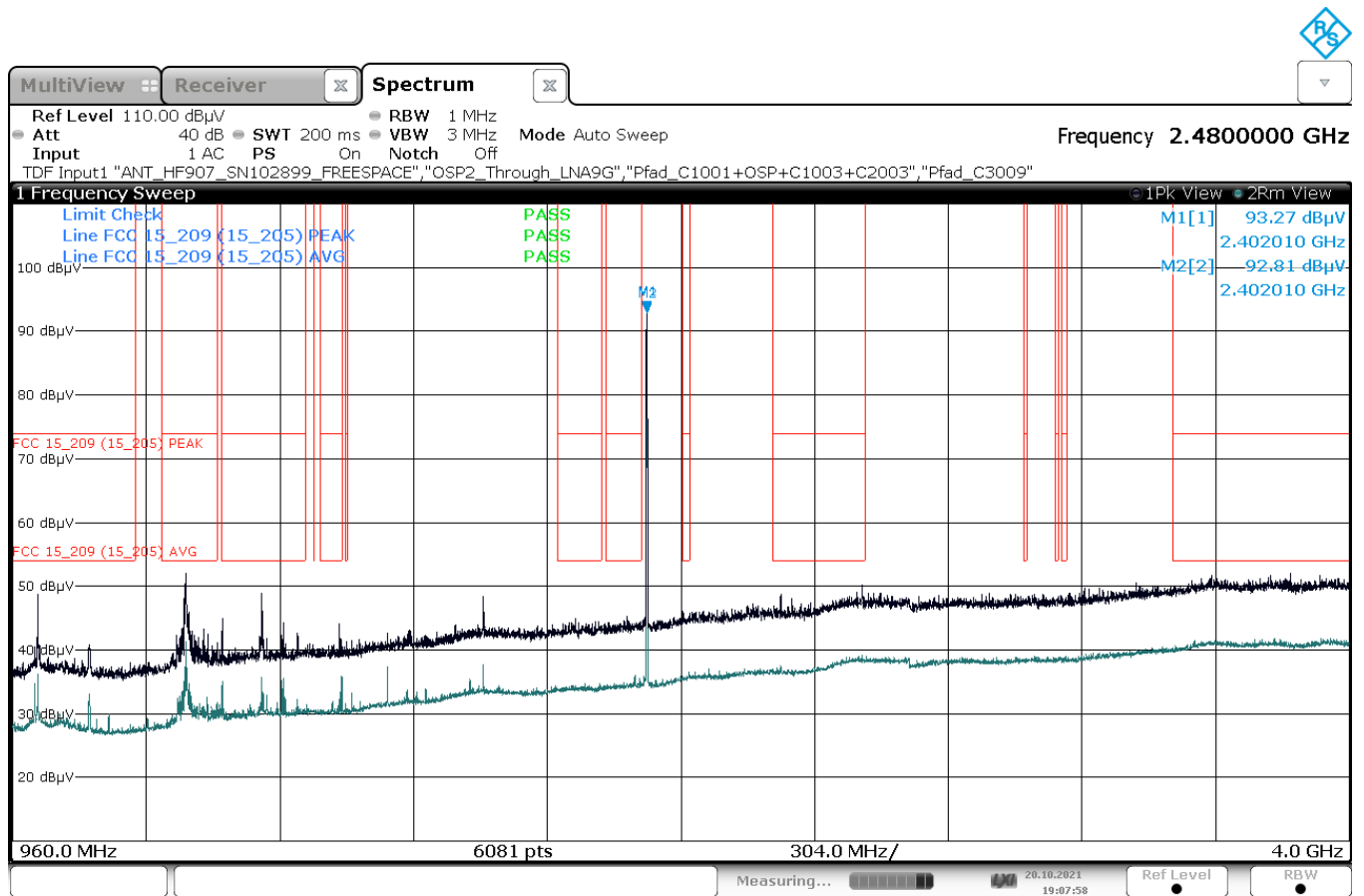
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
50.239500	23.00	40.00	17.00	100.0	120.000	103.0	V	0.0
205.110000	25.74	43.50	17.76	100.0	120.000	100.0	V	71.0
785.703500	31.10	46.00	14.90	100.0	120.000	100.0	V	314.0

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

Frequency (MHz)	Corr. (dB/m)	Comment
50.239500	8.0	03:02:31 - 30.10.2021
205.110000	11.0	03:04:36 - 30.10.2021
785.703500	21.8	03:06:50 - 30.10.2021

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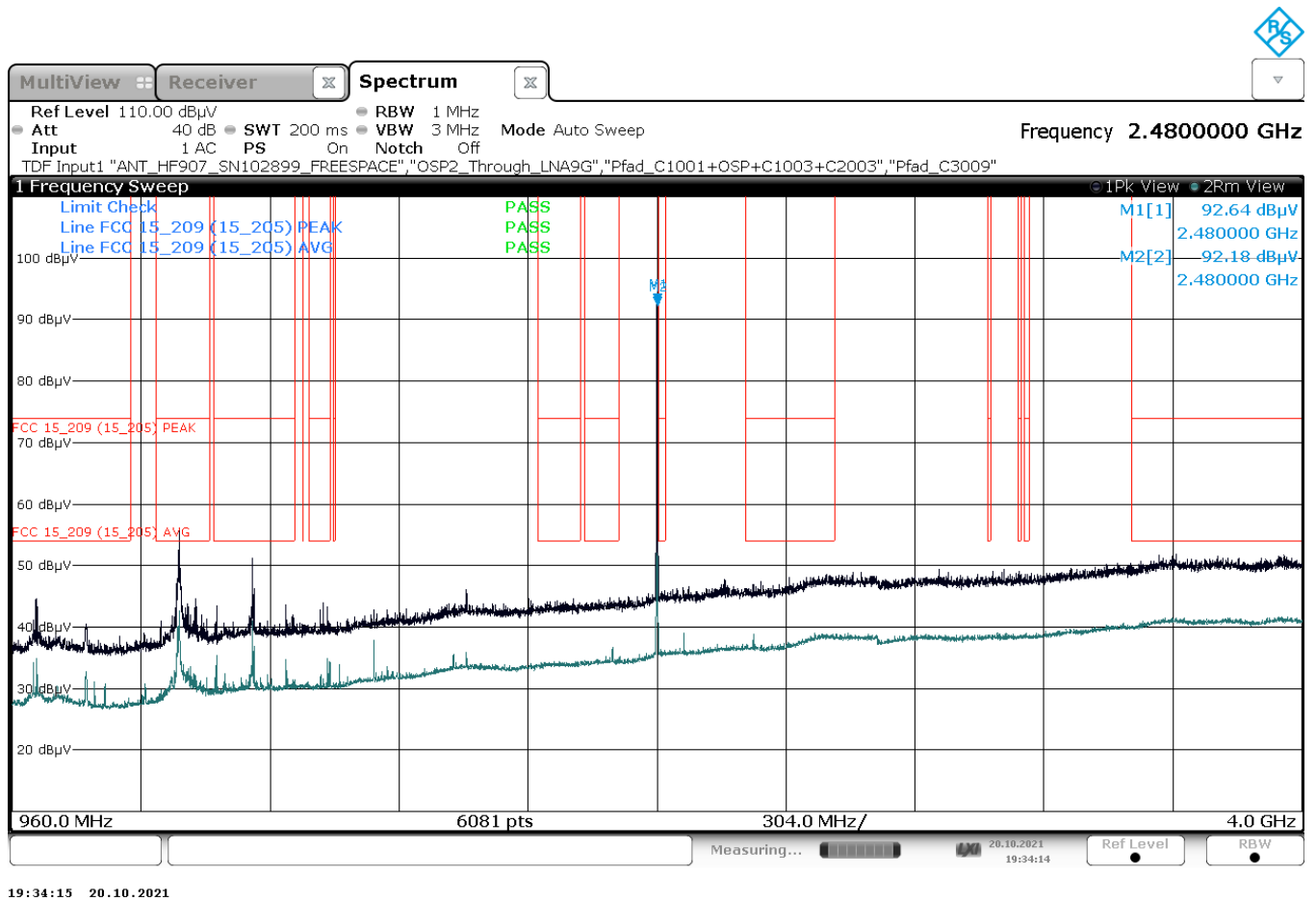
Plot 62: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



19:07:59 20.10.2021

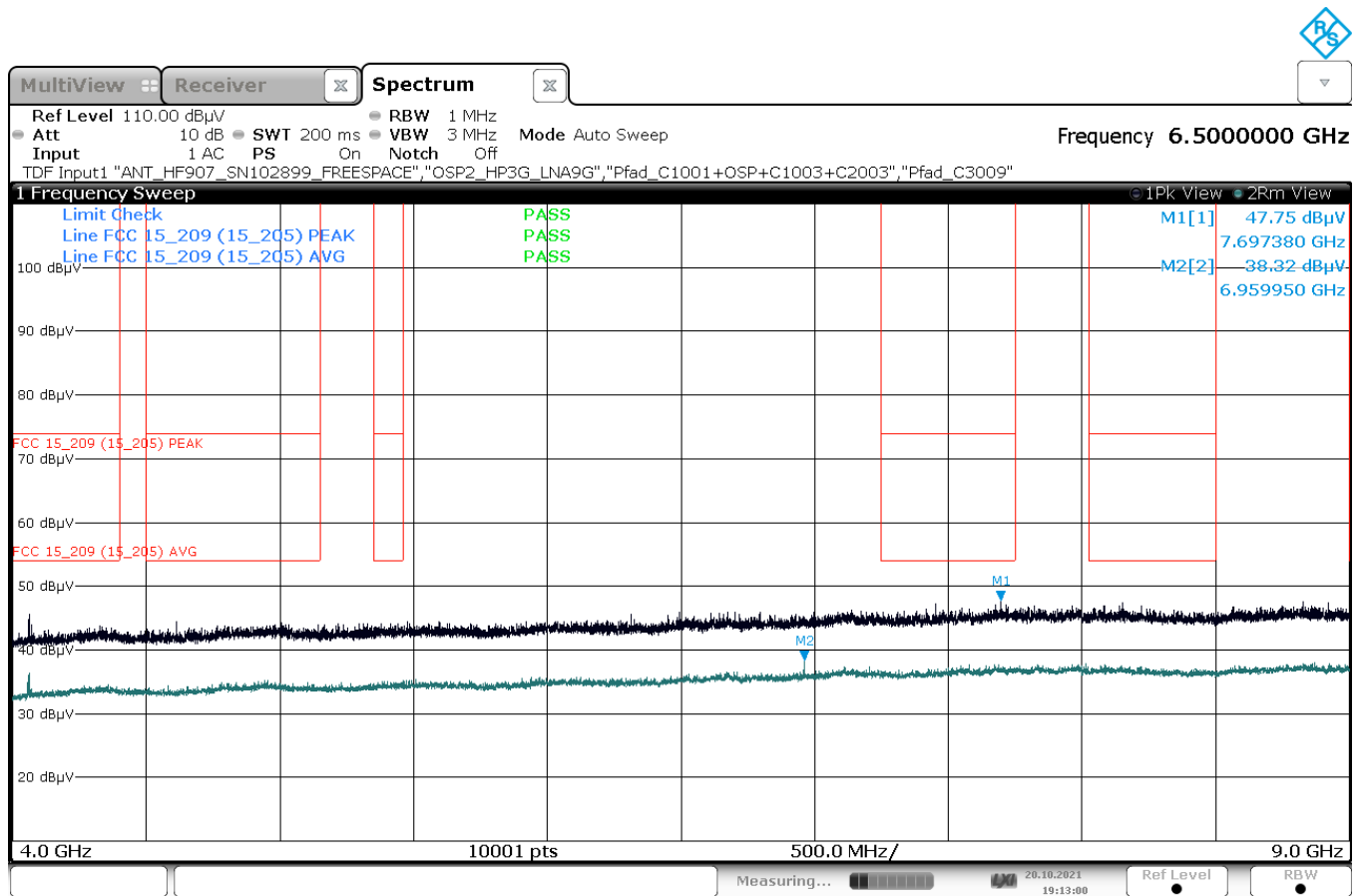
Annex A of TR no.: 21086128-23001-1

Plot 63: Mode 1, RSE 1 GHz – 4 GHz, high channel, horizontal / vertical polarisation



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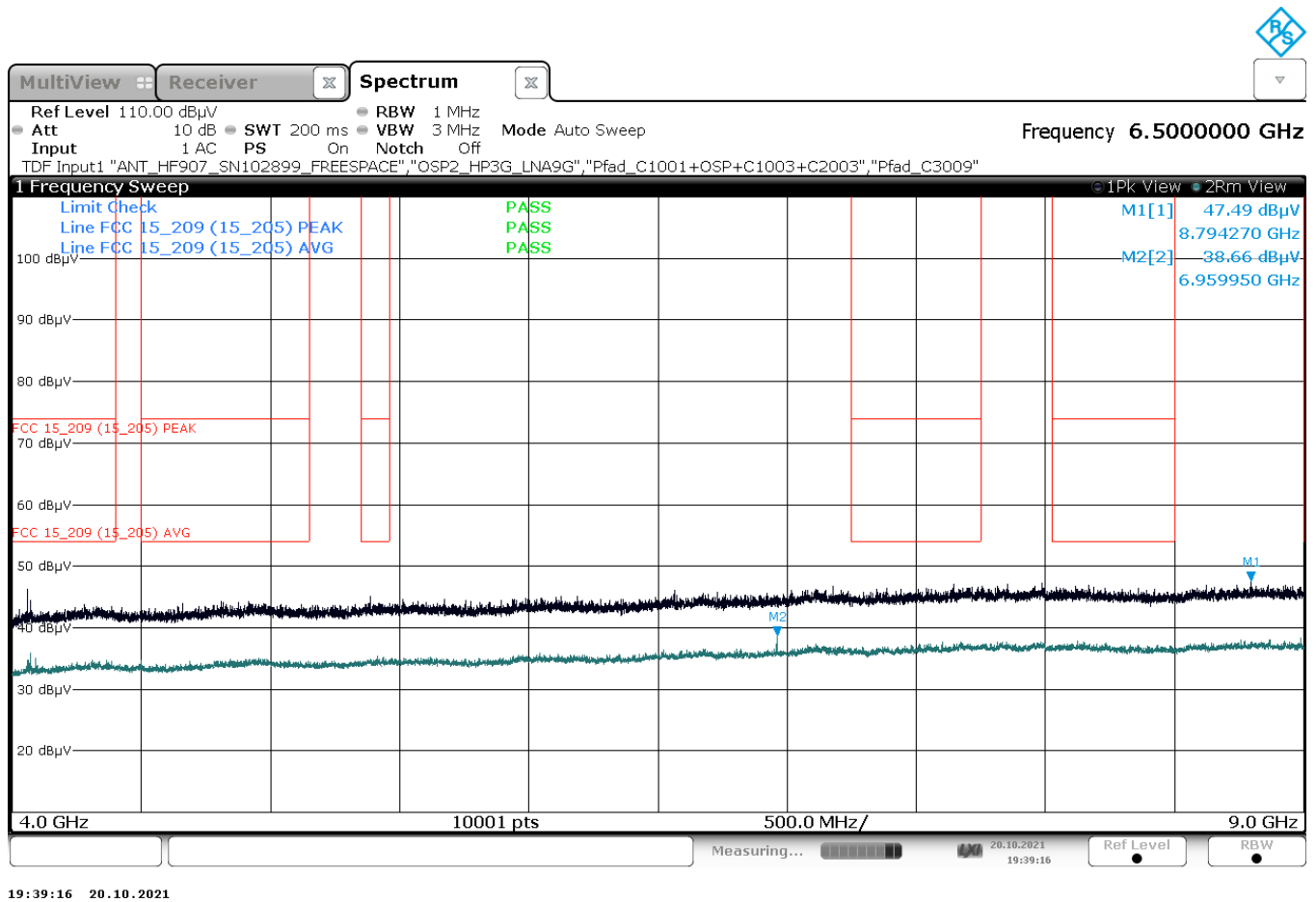
Plot 64: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation



19:13:00 20.10.2021

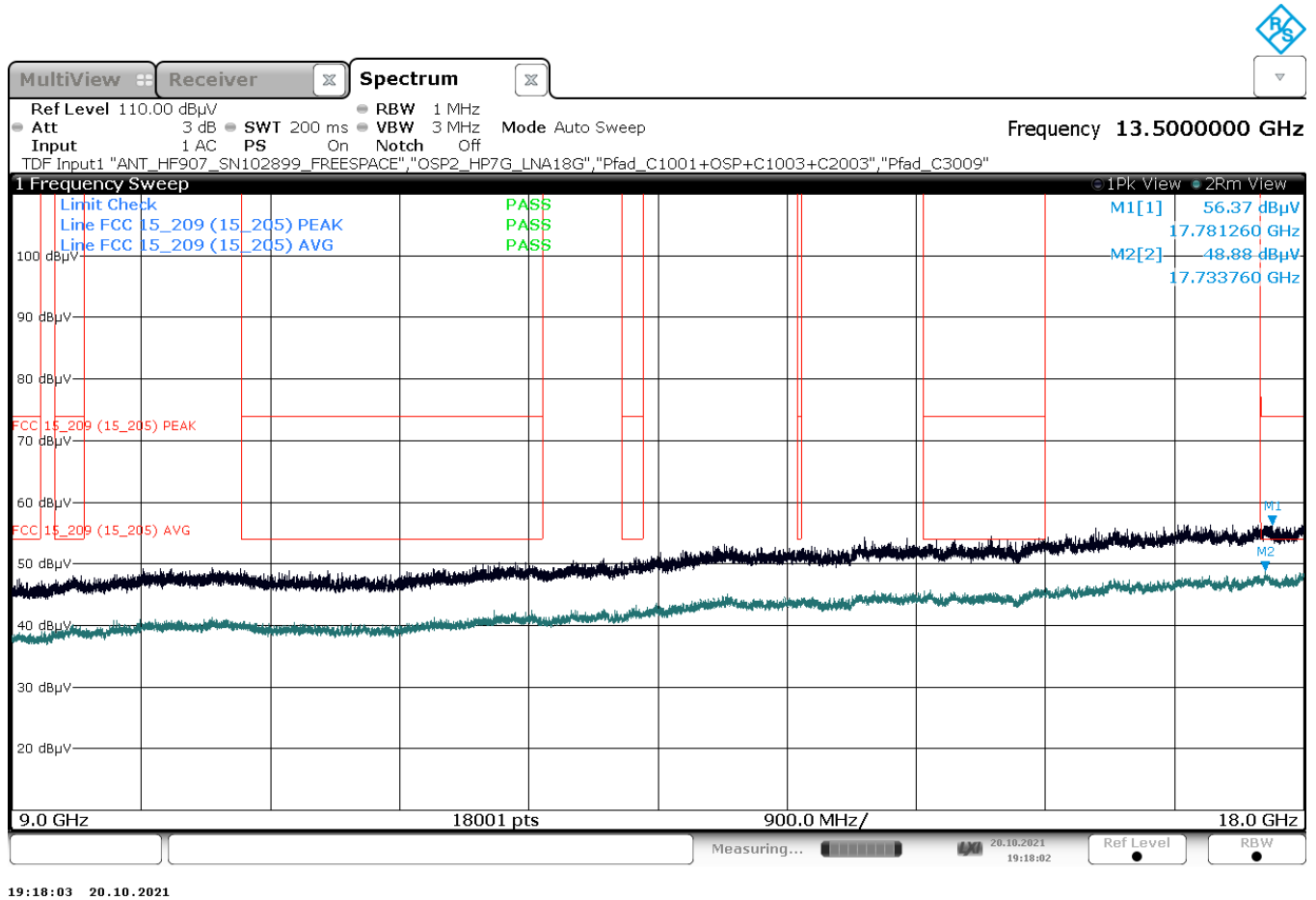
Annex A of TR no.: 21086128-23001-1

Plot 65: Mode 1, RSE 4 GHz – 9 GHz, high channel, horizontal / vertical polarisation



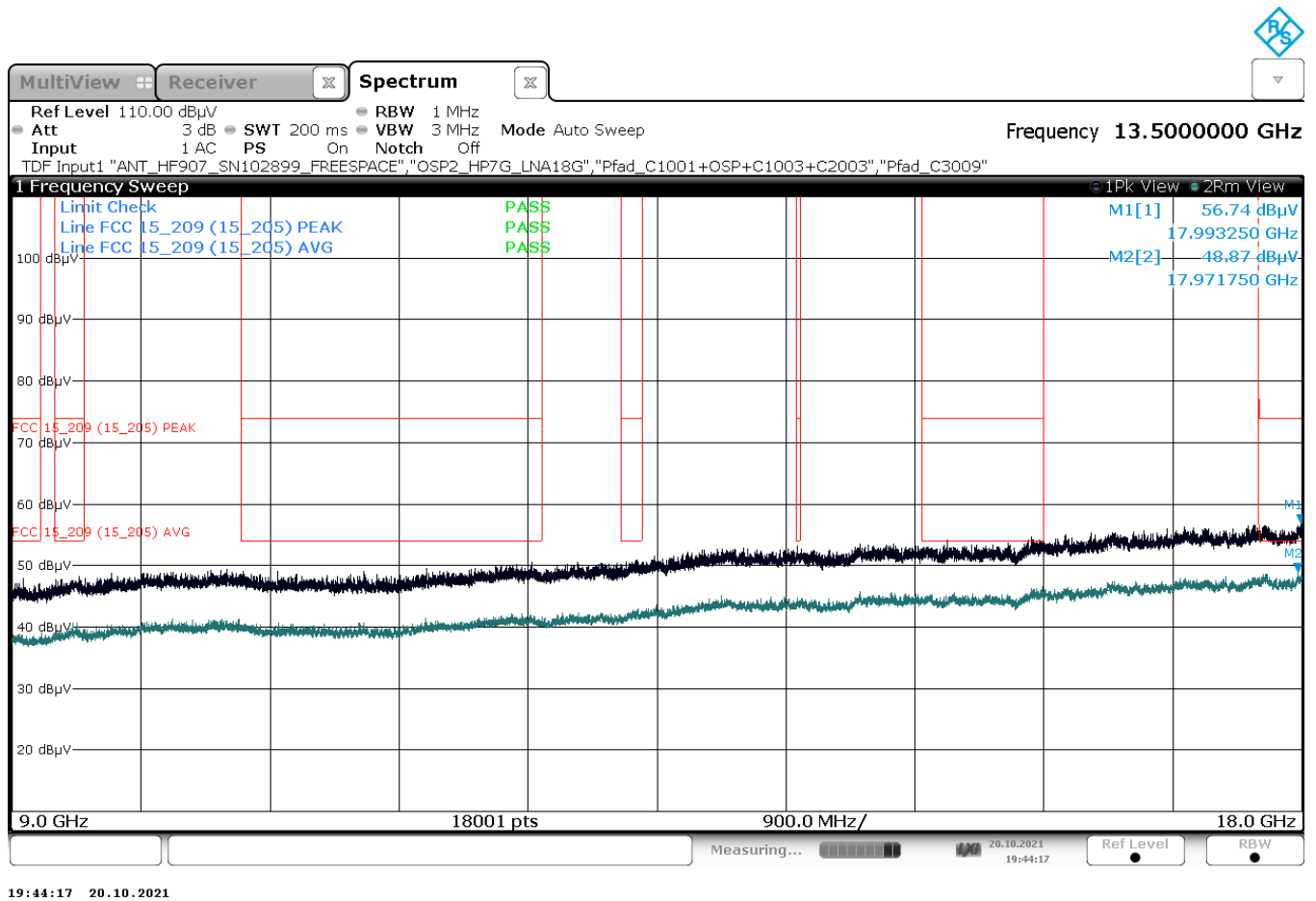
Annex A of TR no.: 21086128-23001-1

Plot 66: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation



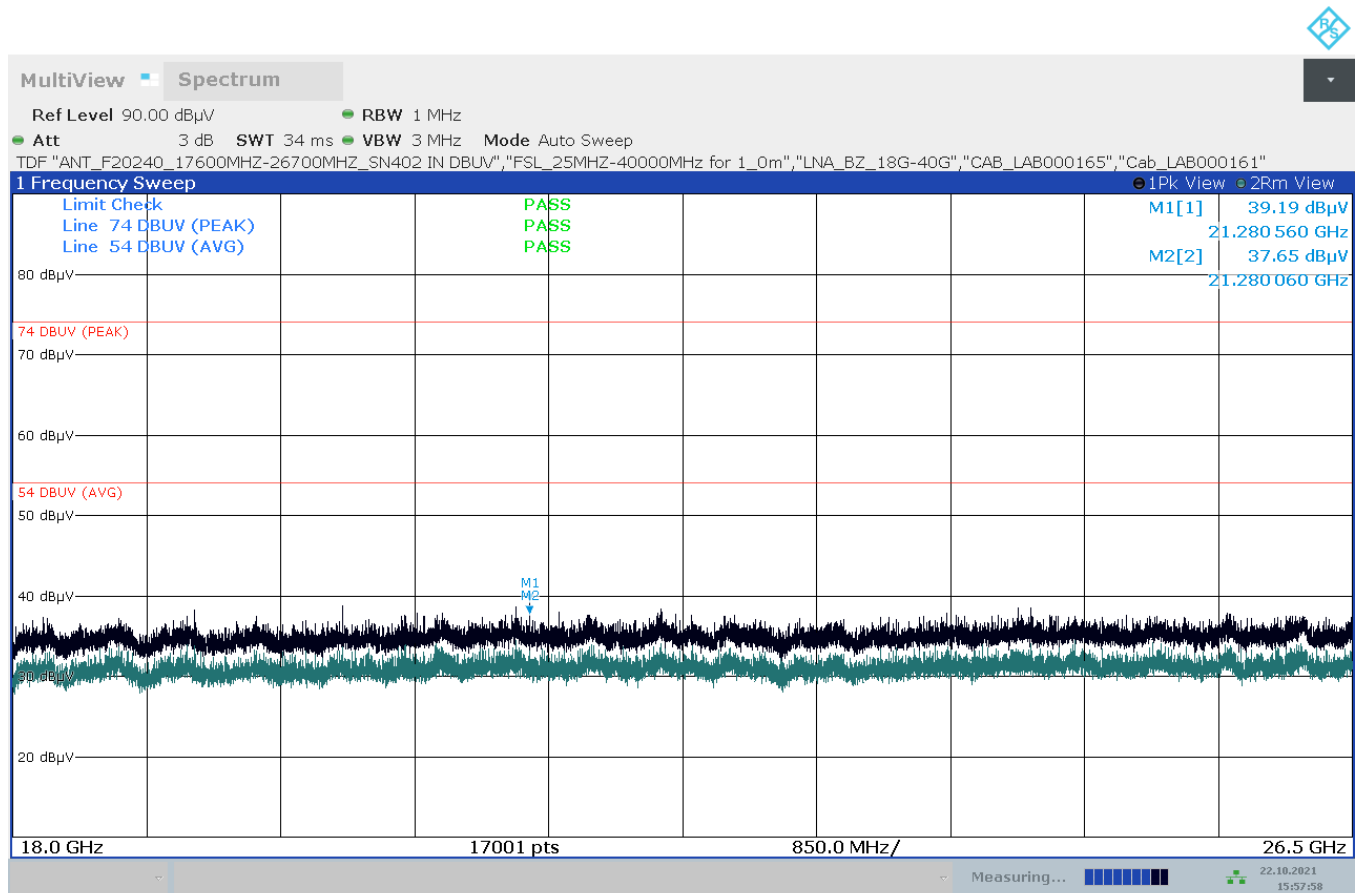
Annex A of TR no.: 21086128-23001-1

Plot 67: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



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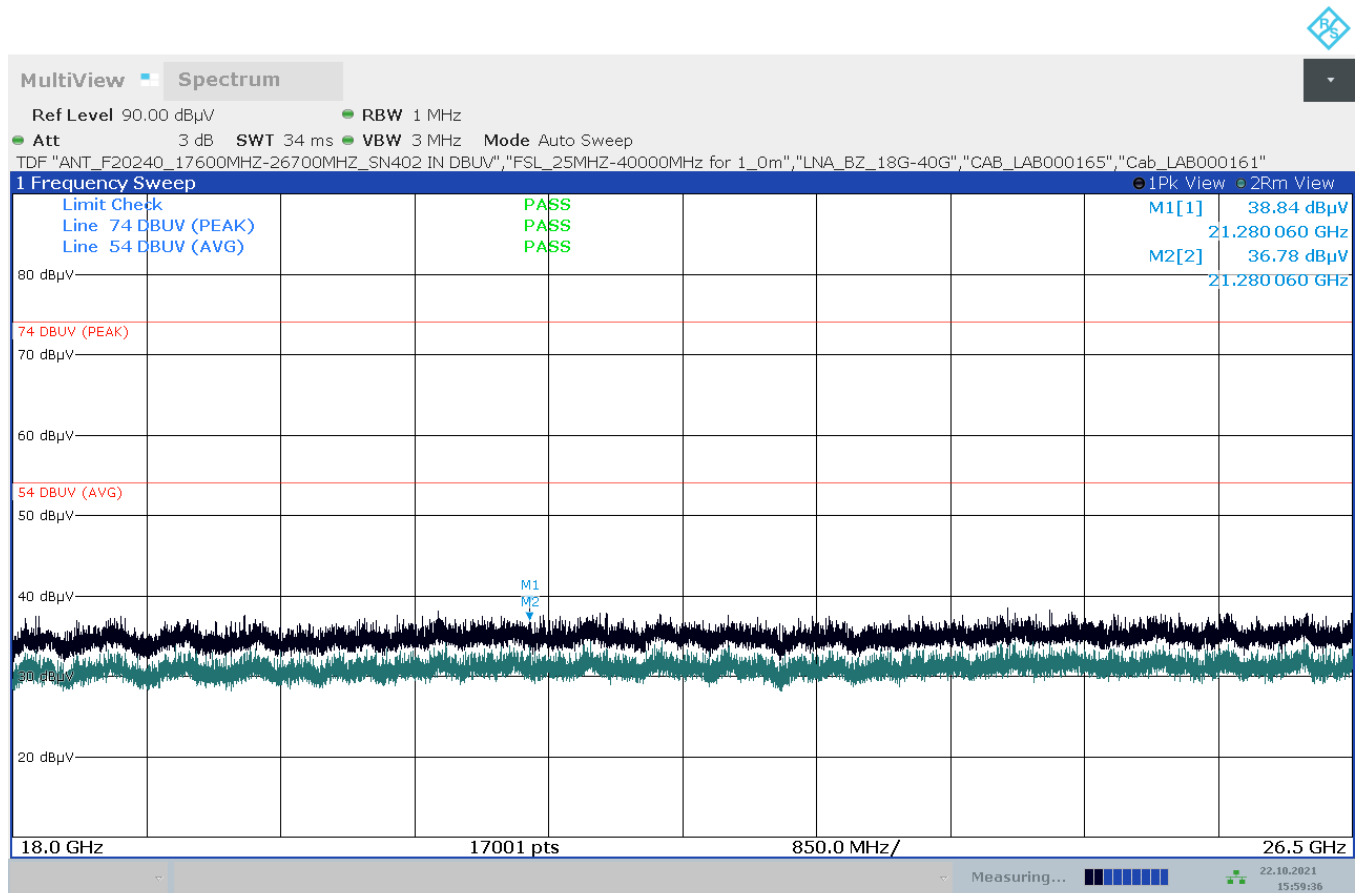
Plot 68: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



15:57:58 22.10.2021

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Plot 69: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



15:59:36 22.10.2021

2.5 Variant ID #50

DUT Information

DUT Name: prePV 50
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65008

2.5.1 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

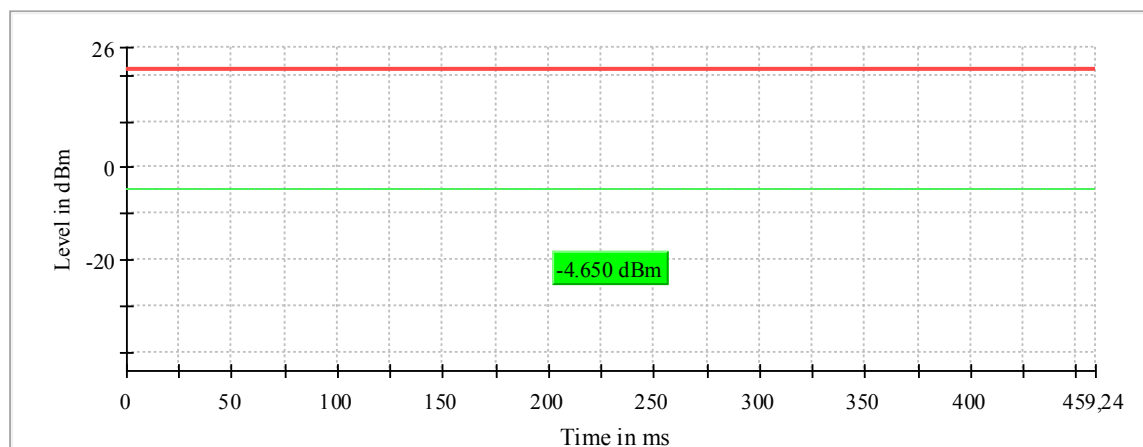
DUT Information

DUT Name: prePV 50
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65016

Plot 70: 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	-4.6	21.0	-4.6	46.171	PASS

Gated Trace



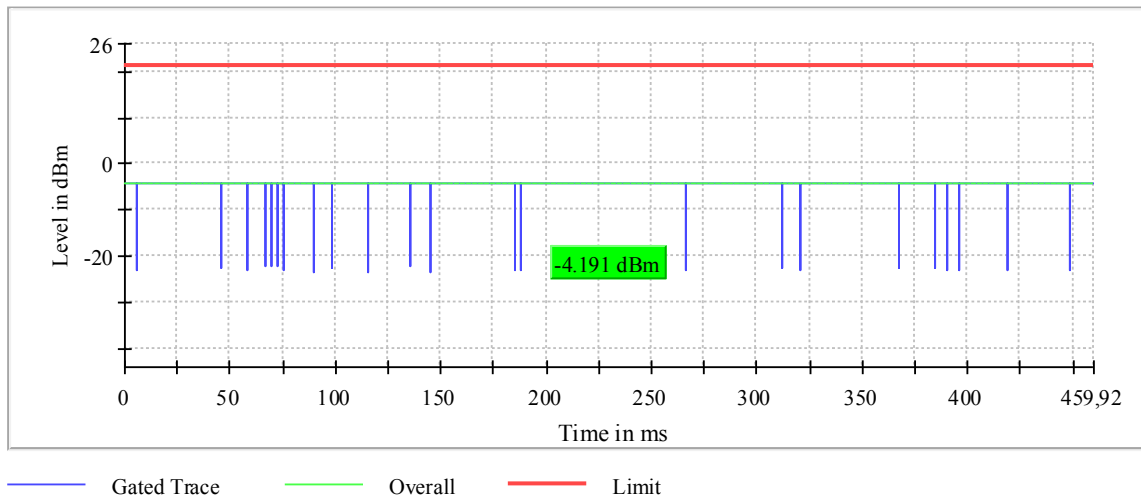
— Gated Trace — Overall — Limit

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Plot 71: 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	-4.2	21.0	-4.2	46.240	PASS

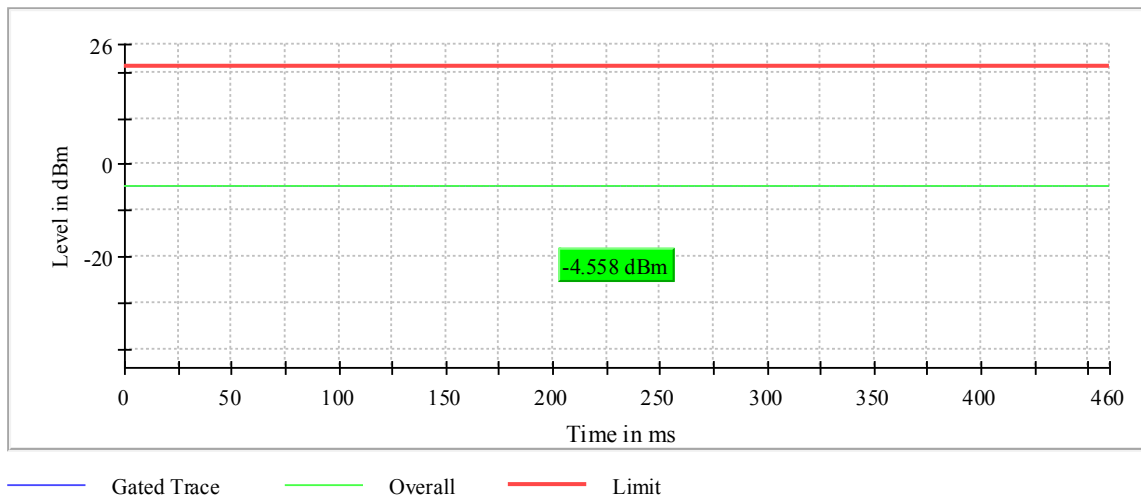
Gated Trace



Plot 72: 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	-4.6	21.0	-4.6	46.248	PASS

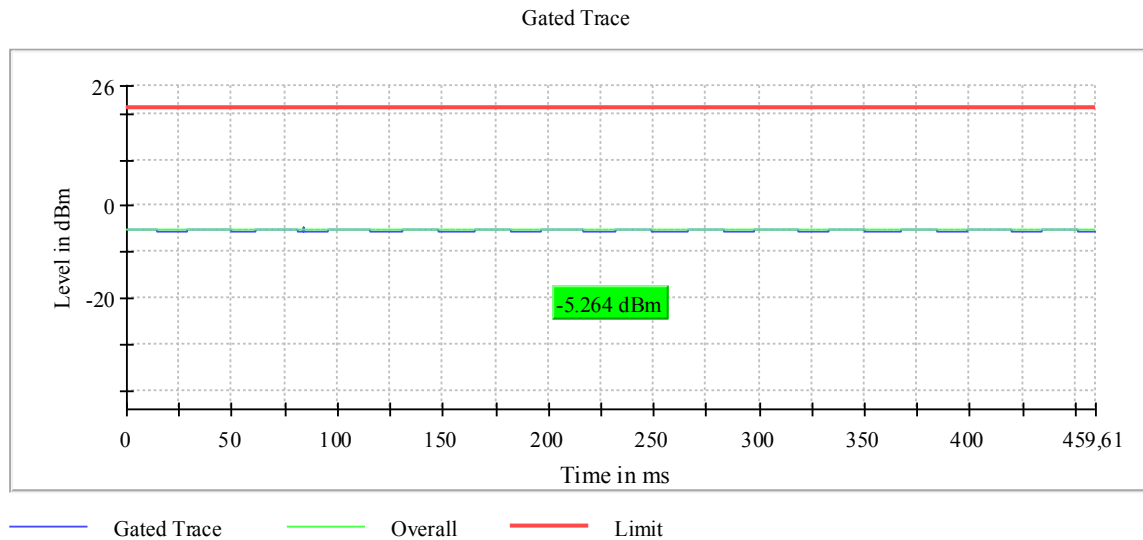
Gated Trace



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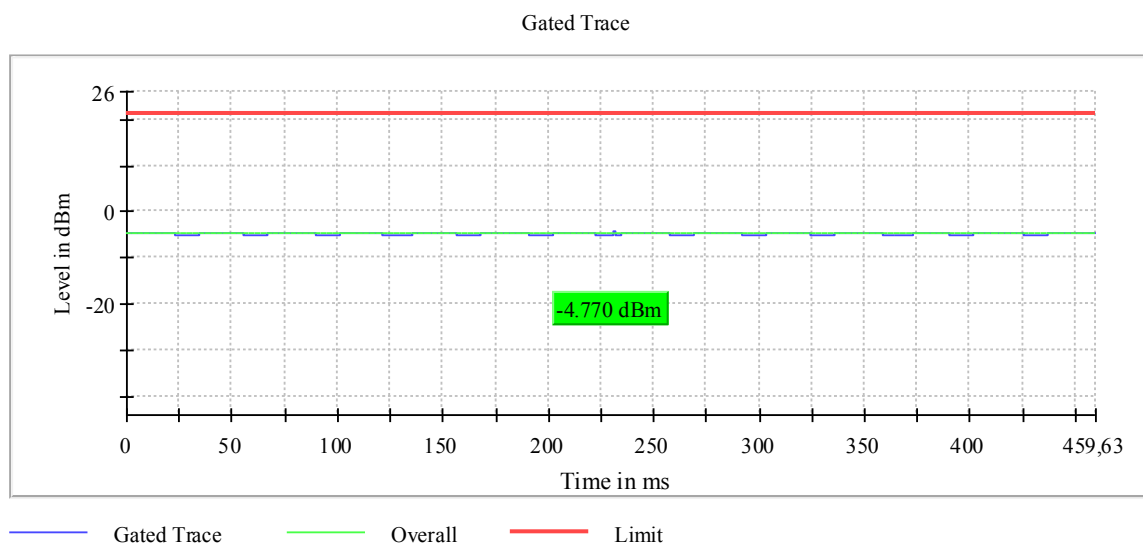
Plot 73: Test Mode 2, π /4-DQPSK, 2 Mbit/s, RF output power, low channel 0, 2402 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2402.000000	-5.3	21.0	-5.3	46.209	PASS



Plot 74: Test Mode 2, π /4-DQPSK, 2 Mbit/s, RF output power, mid channel 39, 2441 MHz

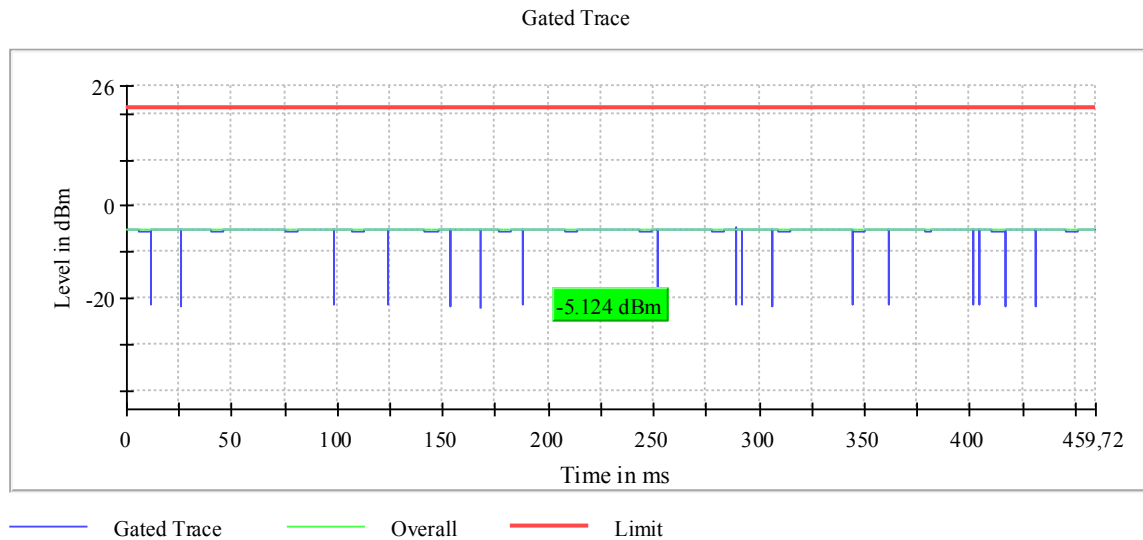
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-4.8	21.0	-4.8	46.211	PASS



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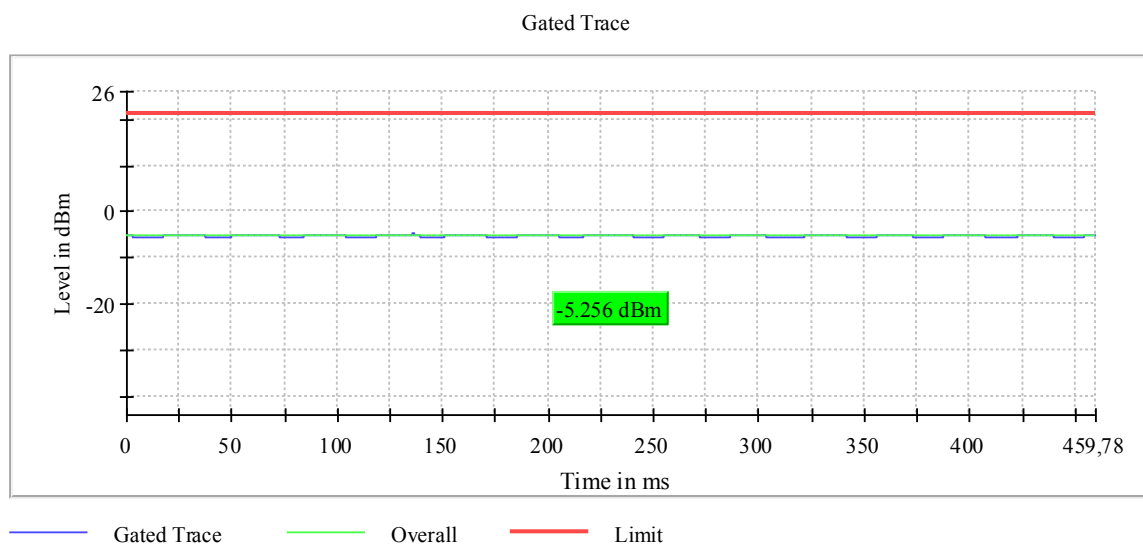
Plot 75: Test Mode 2, $\pi/4$ -DQPSK, 2 Mbit/s, RF output power, high channel 78, 2480 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-5.1	21.0	-5.1	46.219	PASS



Plot 76: 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	-5.3	21.0	-5.3	46.226	PASS

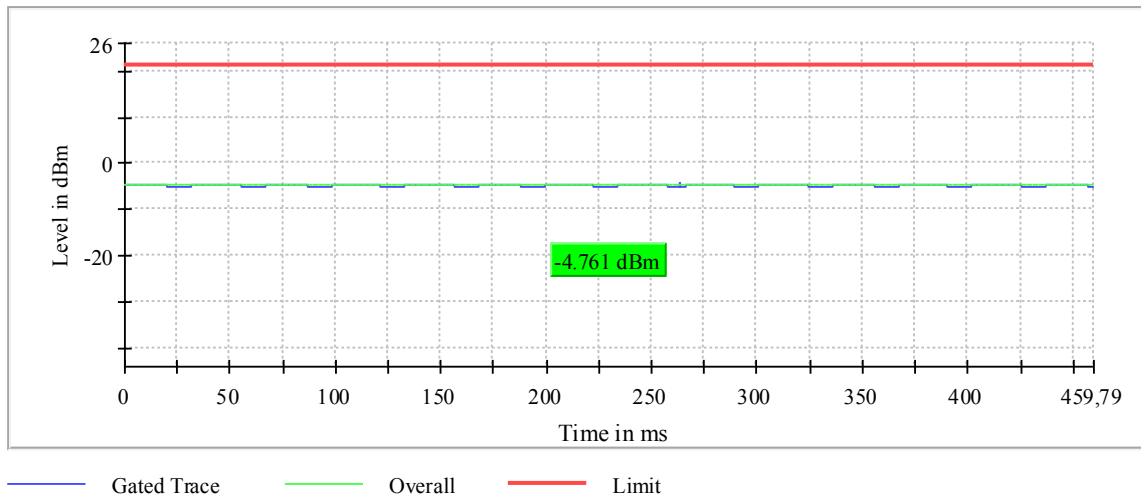


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Plot 77: Test Mode 3, 8DPSK, 3 Mbit/s, RF output power, mid channel 39, 2441 MHz

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2441.000000	-4.8	21.0	-4.8	46.227	PASS

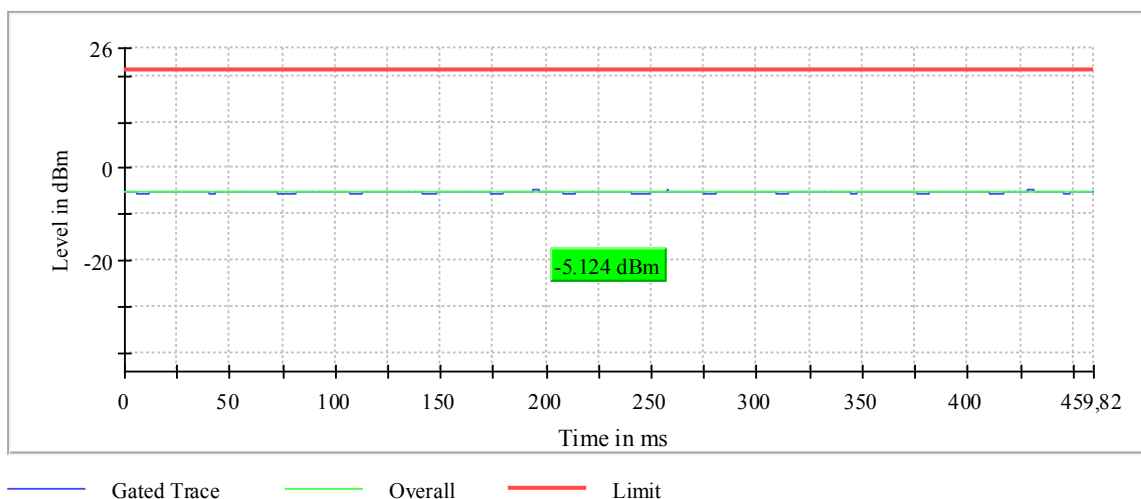
Gated Trace



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

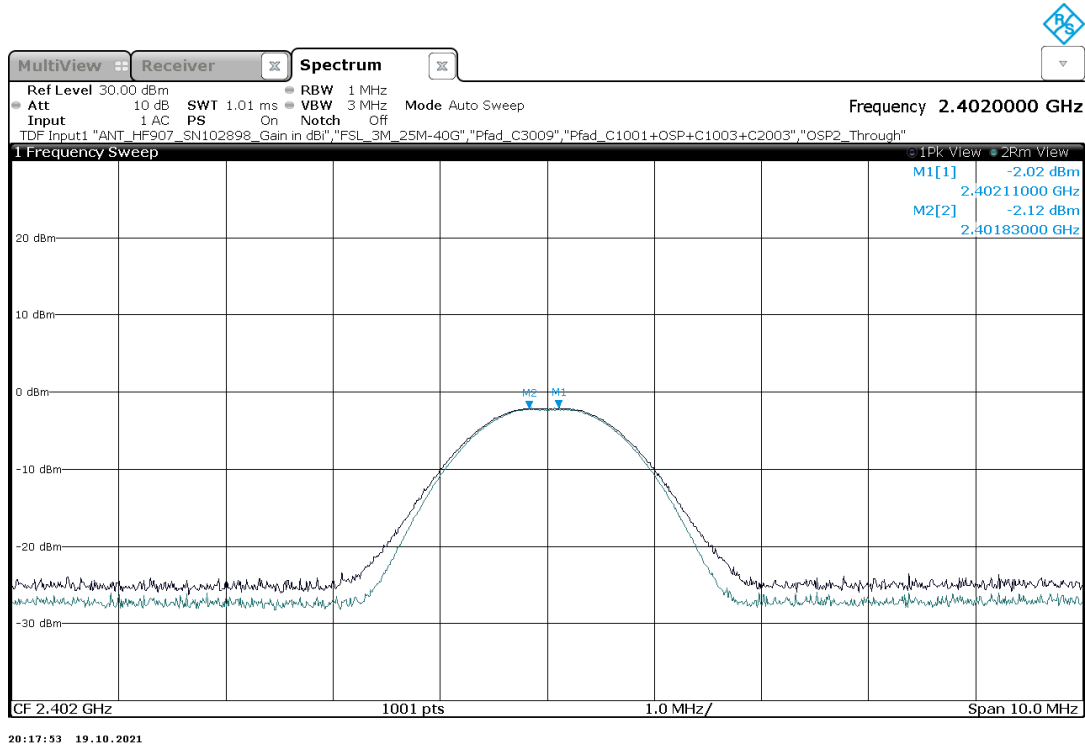
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2480.000000	-5.1	21.0	-5.1	46.230	PASS

Gated Trace

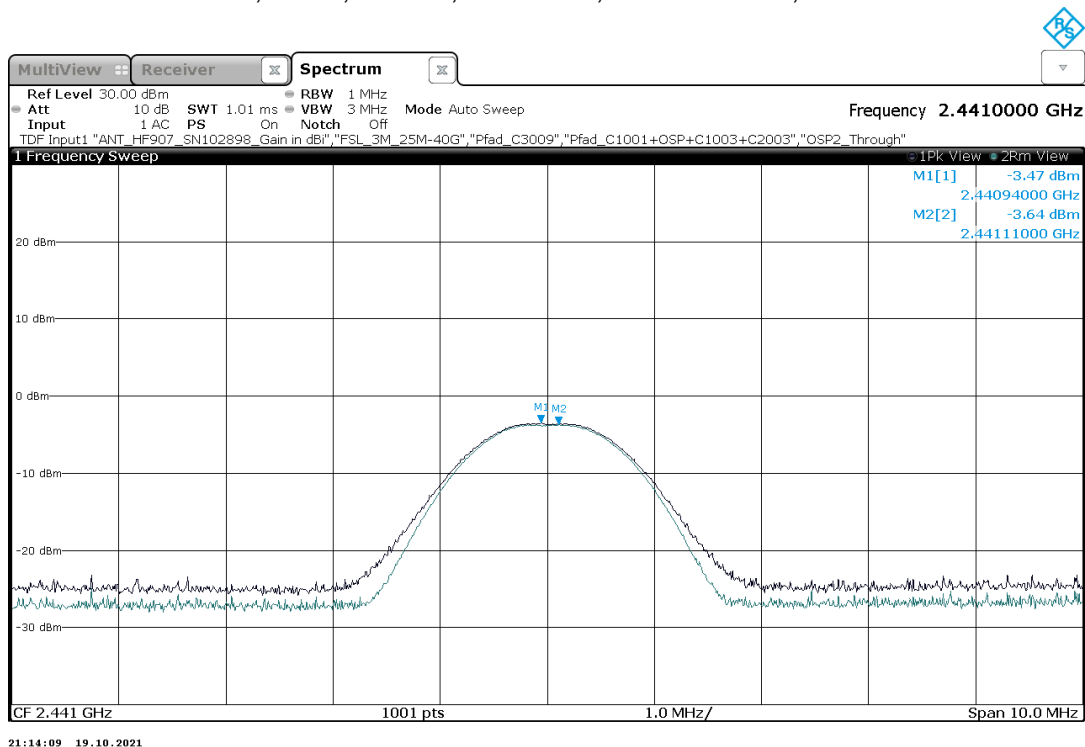


2.5.2 Radiated Peak Power (Peak EIRP)

Plot 79: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, low channel 0, 2402 MHz

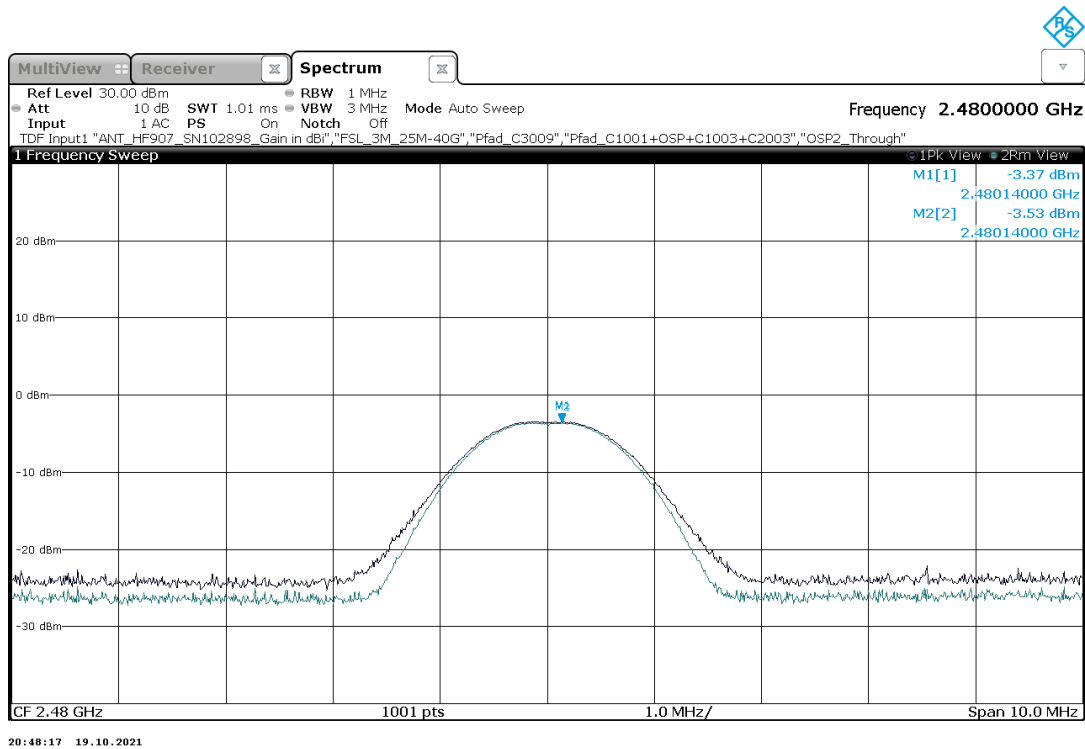


Plot 80: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, mid channel 39, 2440 MHz



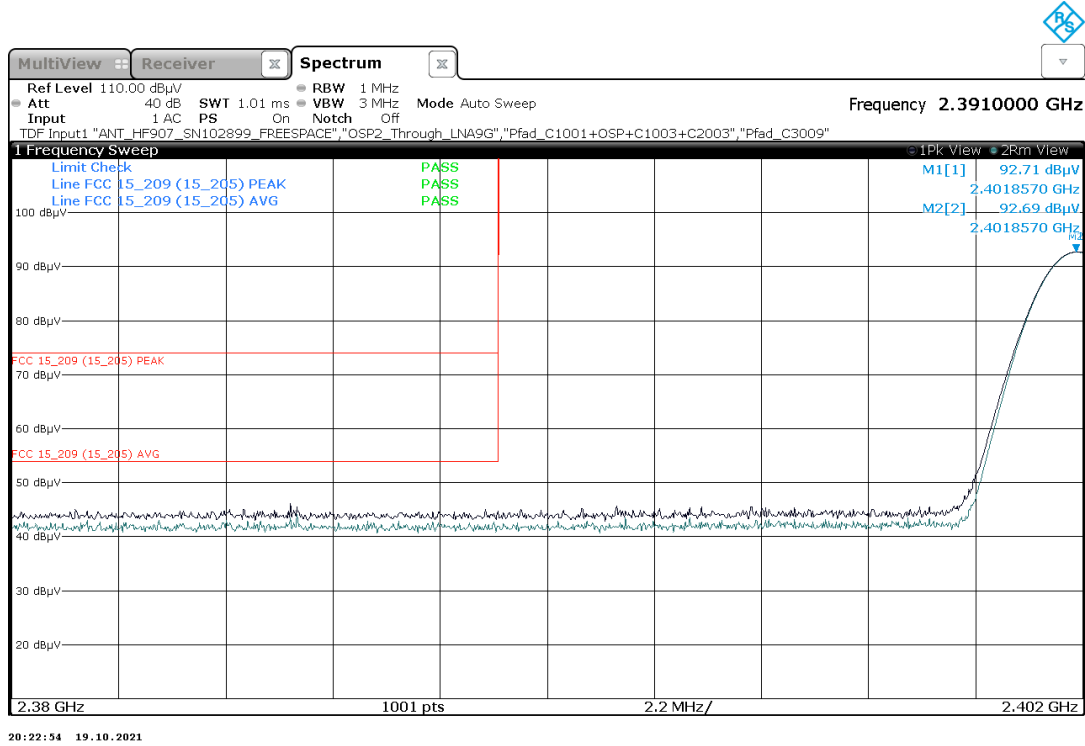
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Plot 81: Test Mode 1, GFSK, 1 Mbit/s, Peak EIRP, high channel 78, 2480 MHz

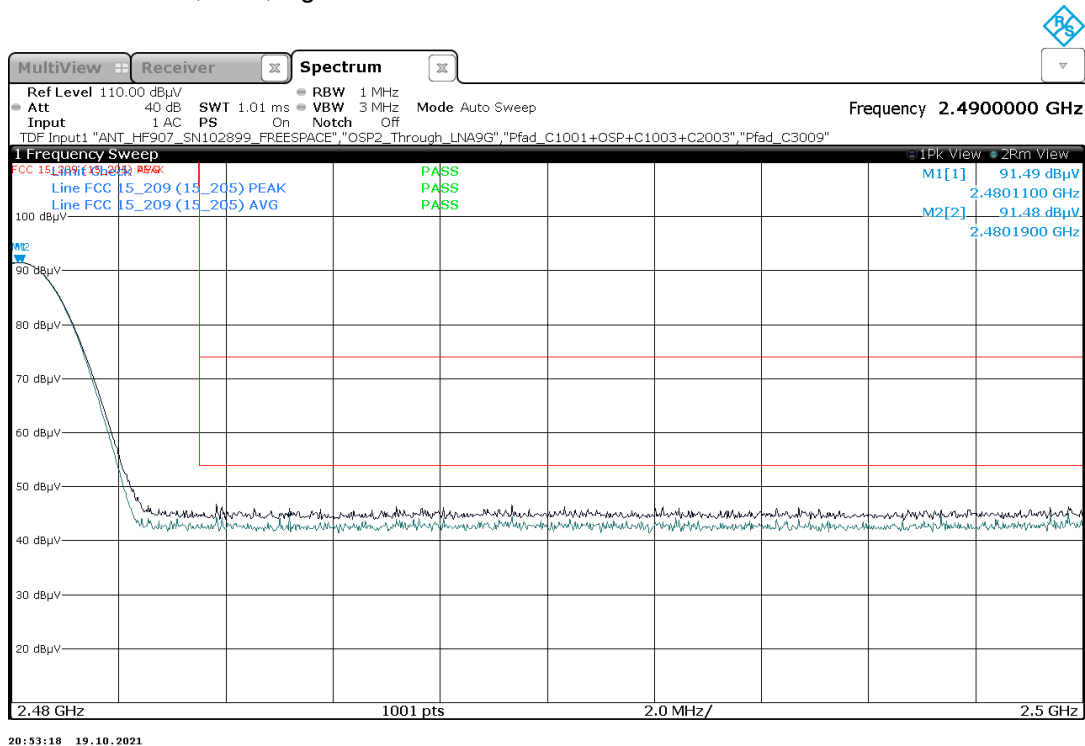


2.5.3 Band Edge Compliance (BEC), radiated

Plot 82: Mode 1, BEC, low channel 0

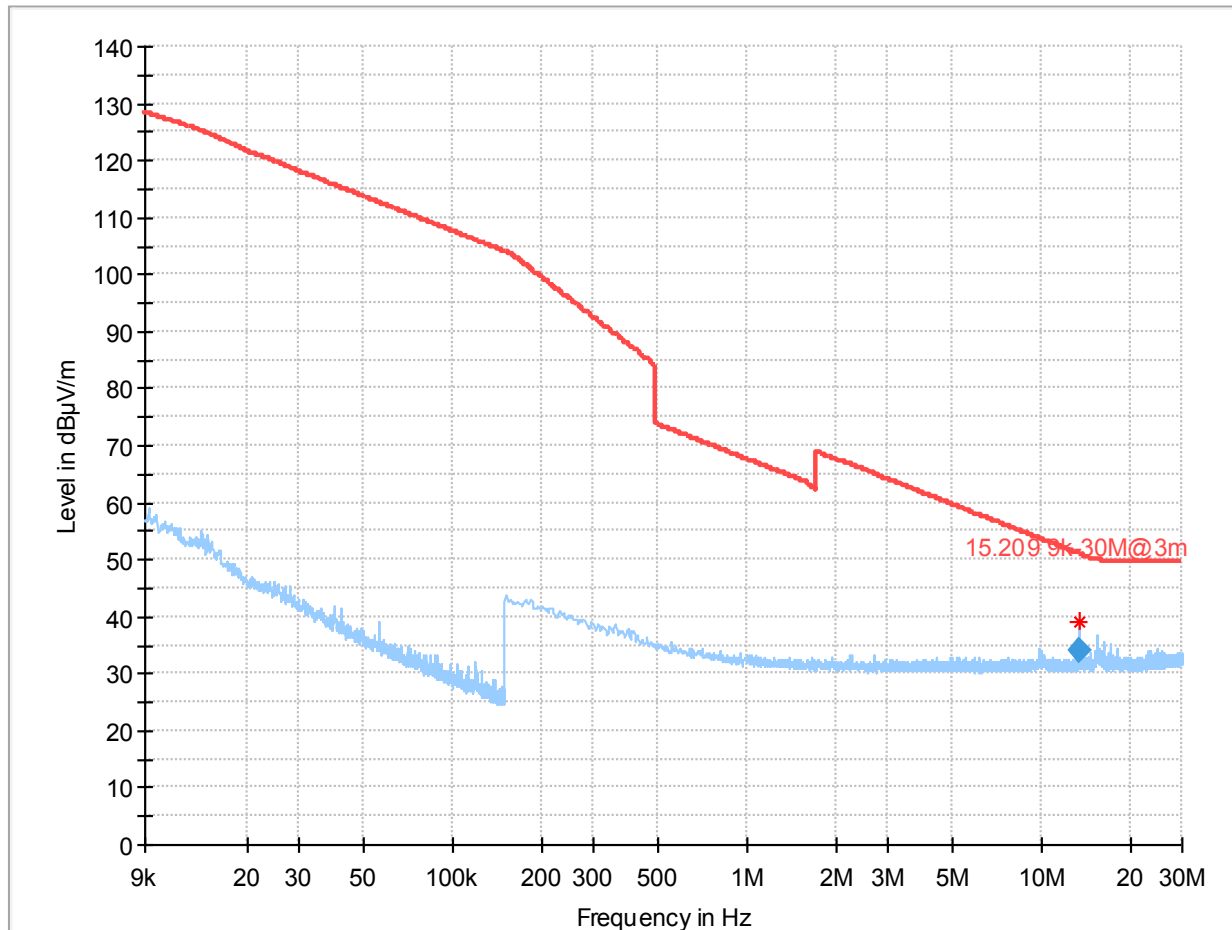


Plot 83: Mode 1, BEC, high channel 78



2.5.4 Radiated Spurious Emissions (RSE)

Plot 84: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna, EUT laying



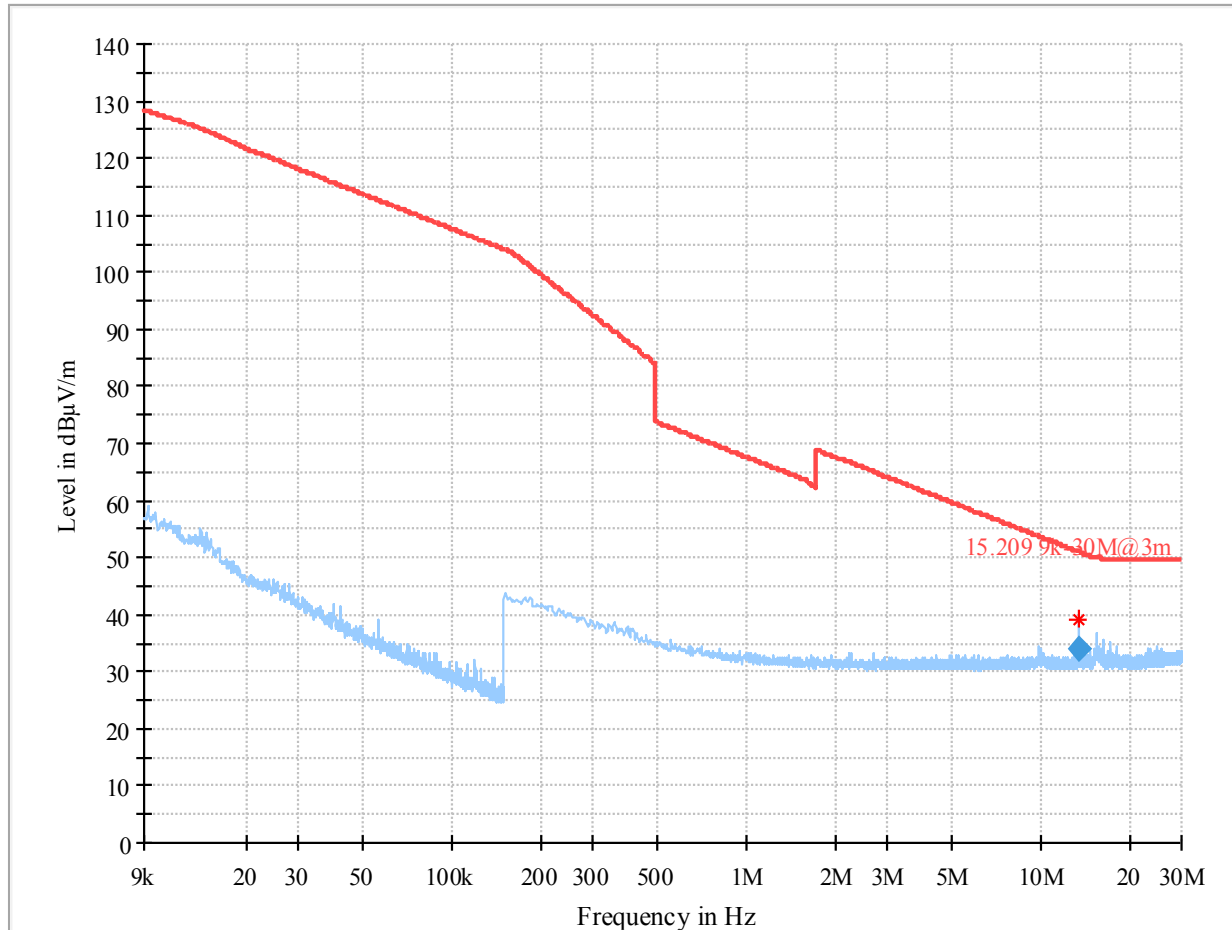
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.28	50.94	17.66	100.0	9.000	V	278.0	20.5

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

Frequency (MHz)	Comment
13.560000	03:32:49 - 18.10.2021

Plot 85: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna, EUT standing



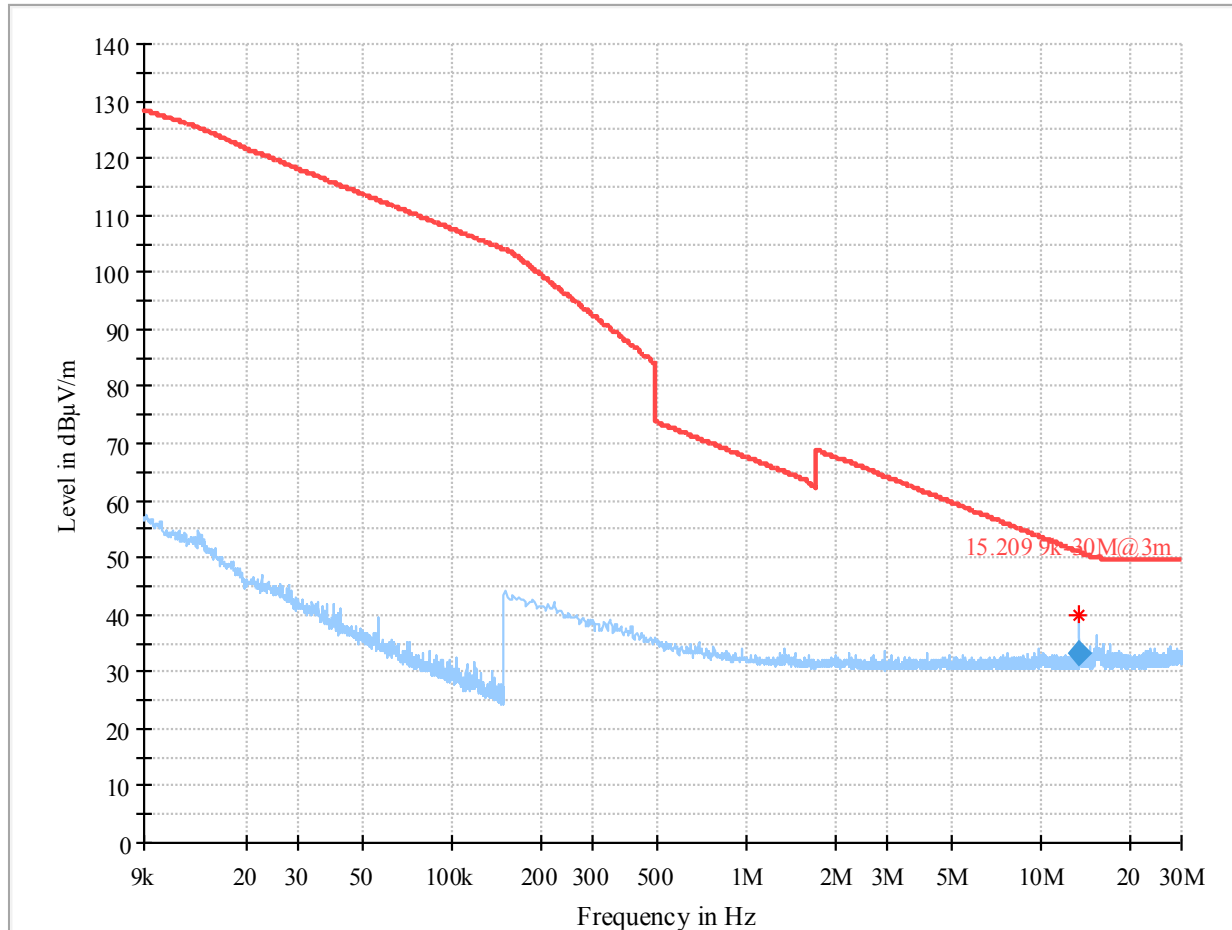
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	34.15	50.94	16.79	100.0	9.000	V	240.0	20.5

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

Frequency (MHz)	Comment
13.560000	03:52:45 - 18.10.2021

Plot 86: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna, EUT laying



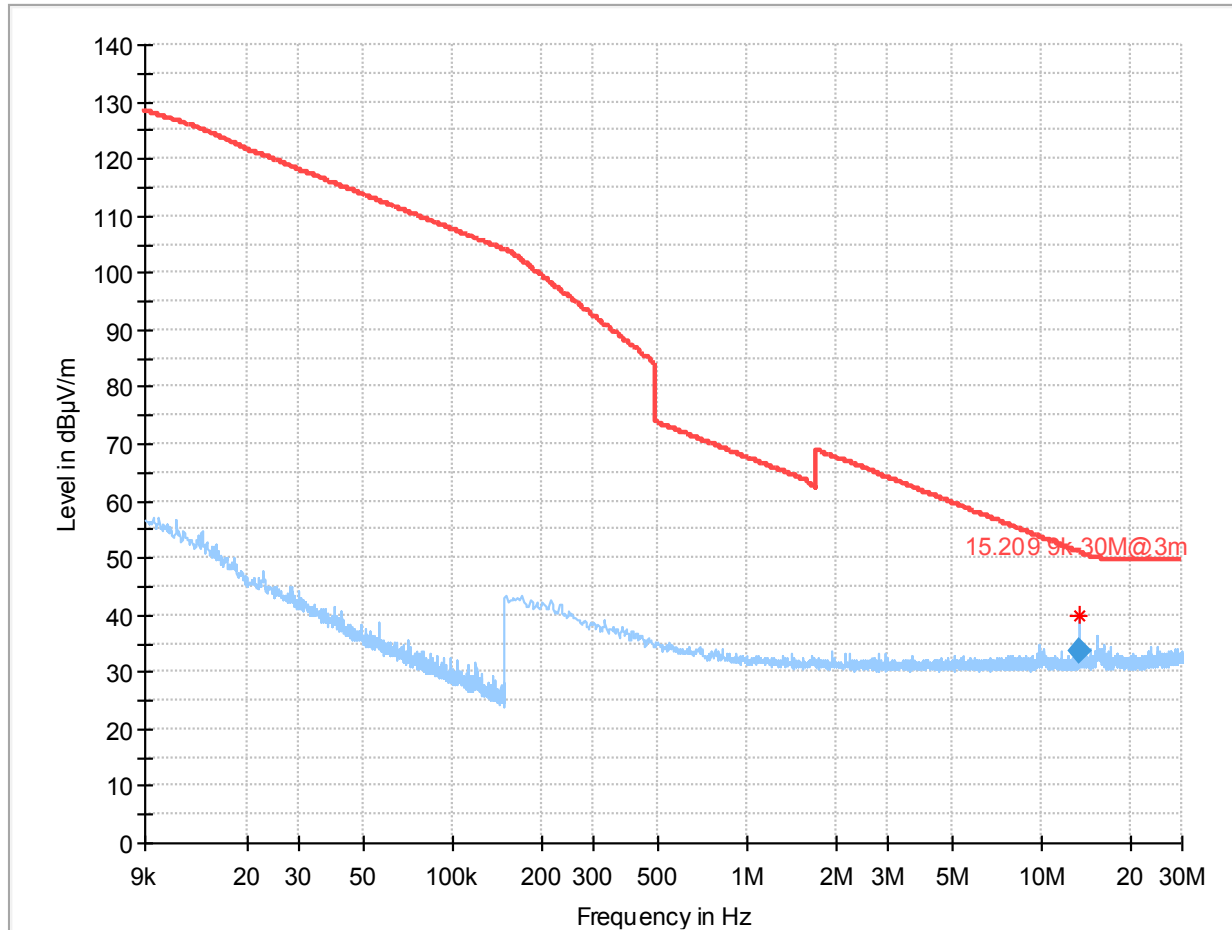
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.21	50.94	17.73	100.0	9.000	H	200.0	20.5

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

Frequency (MHz)	Comment
13.560000	04:24:27 - 18.10.2021

Plot 87: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna, EUT standing



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	33.76	50.94	17.18	100.0	9.000	V	210.0	20.5

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

Frequency (MHz)	Comment
13.560000	04:12:11 - 18.10.2021