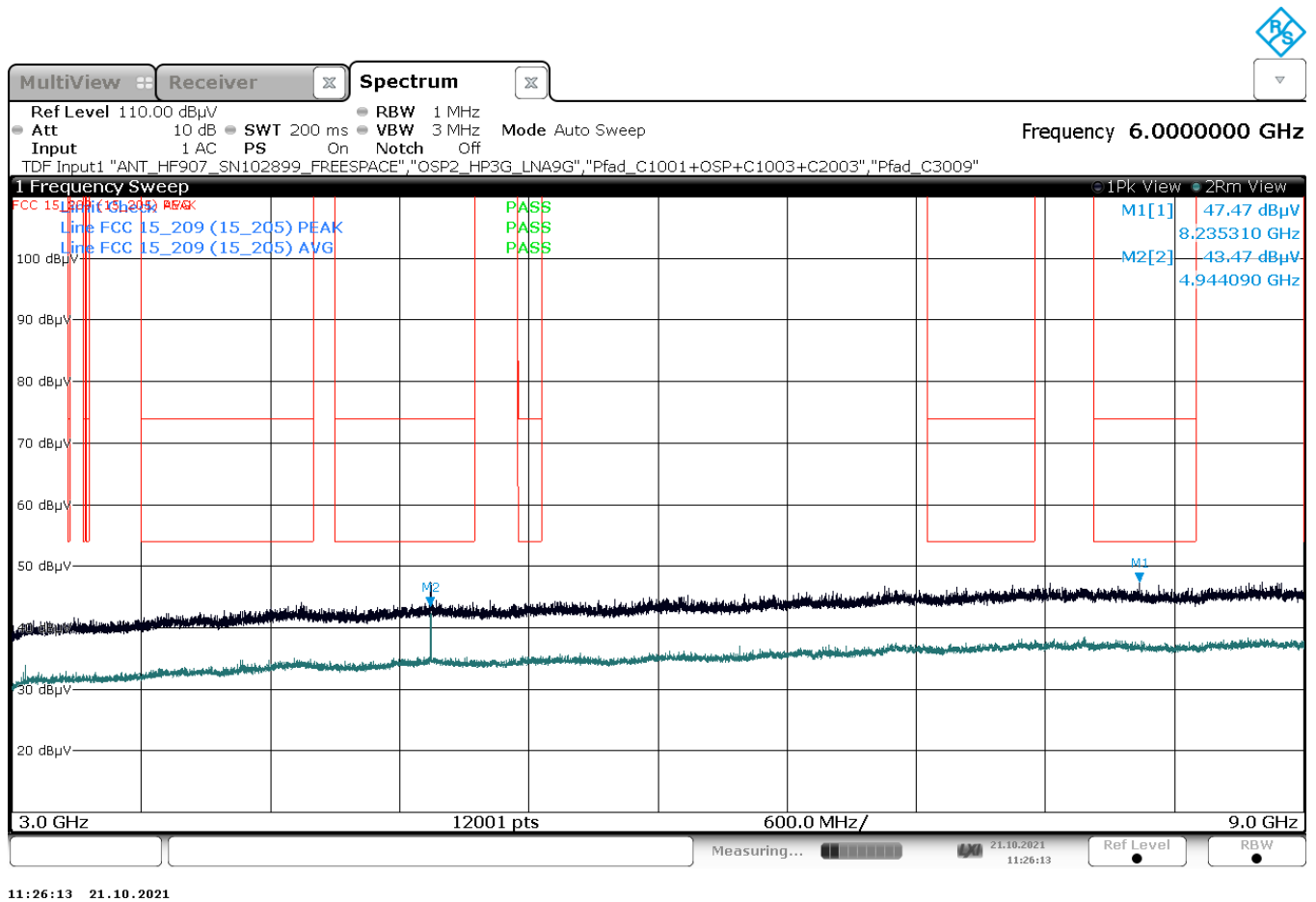
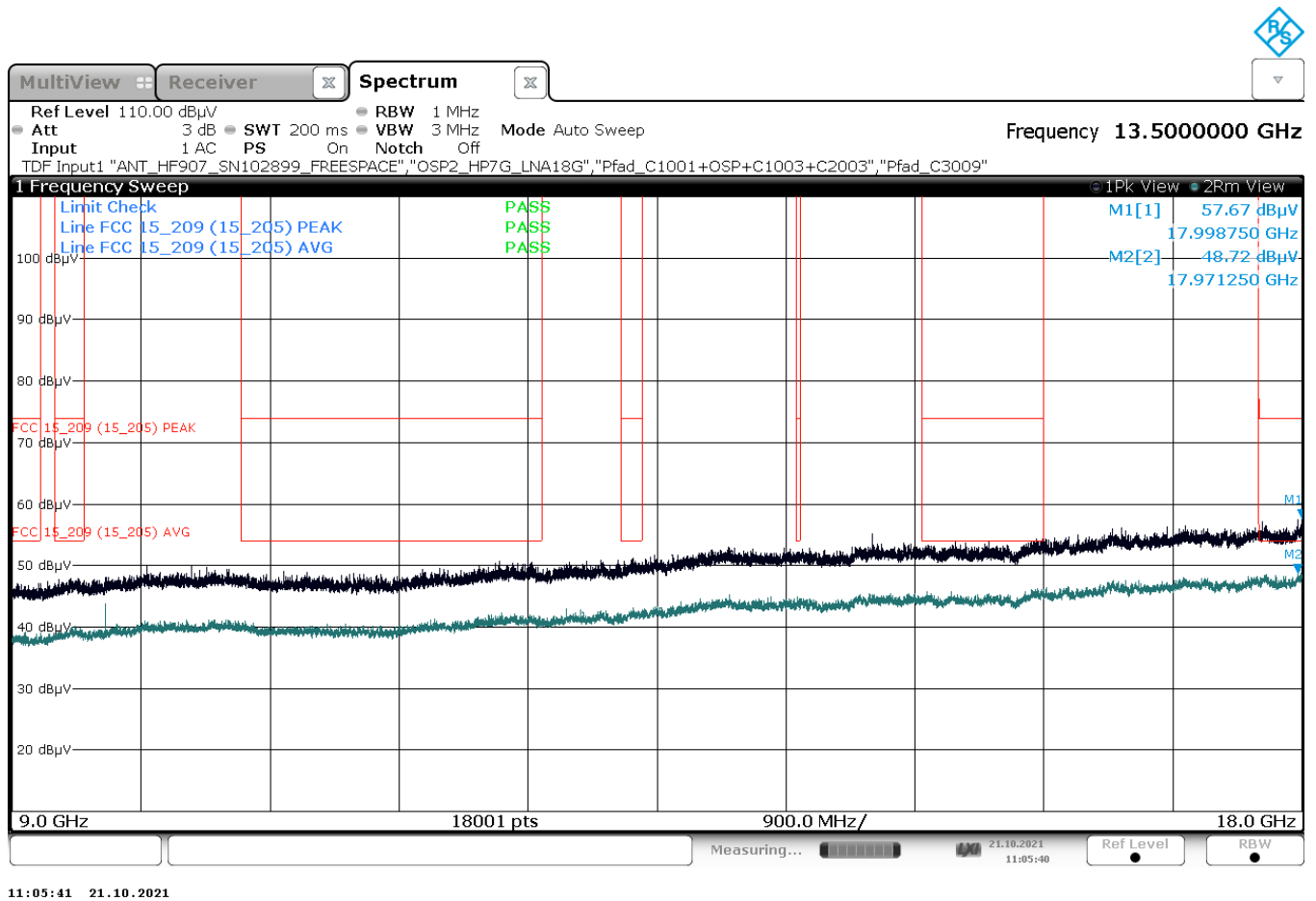


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Plot 54: Mode 1, RSE 3 GHz – 9 GHz, high channel, horizontal / vertical polarisation

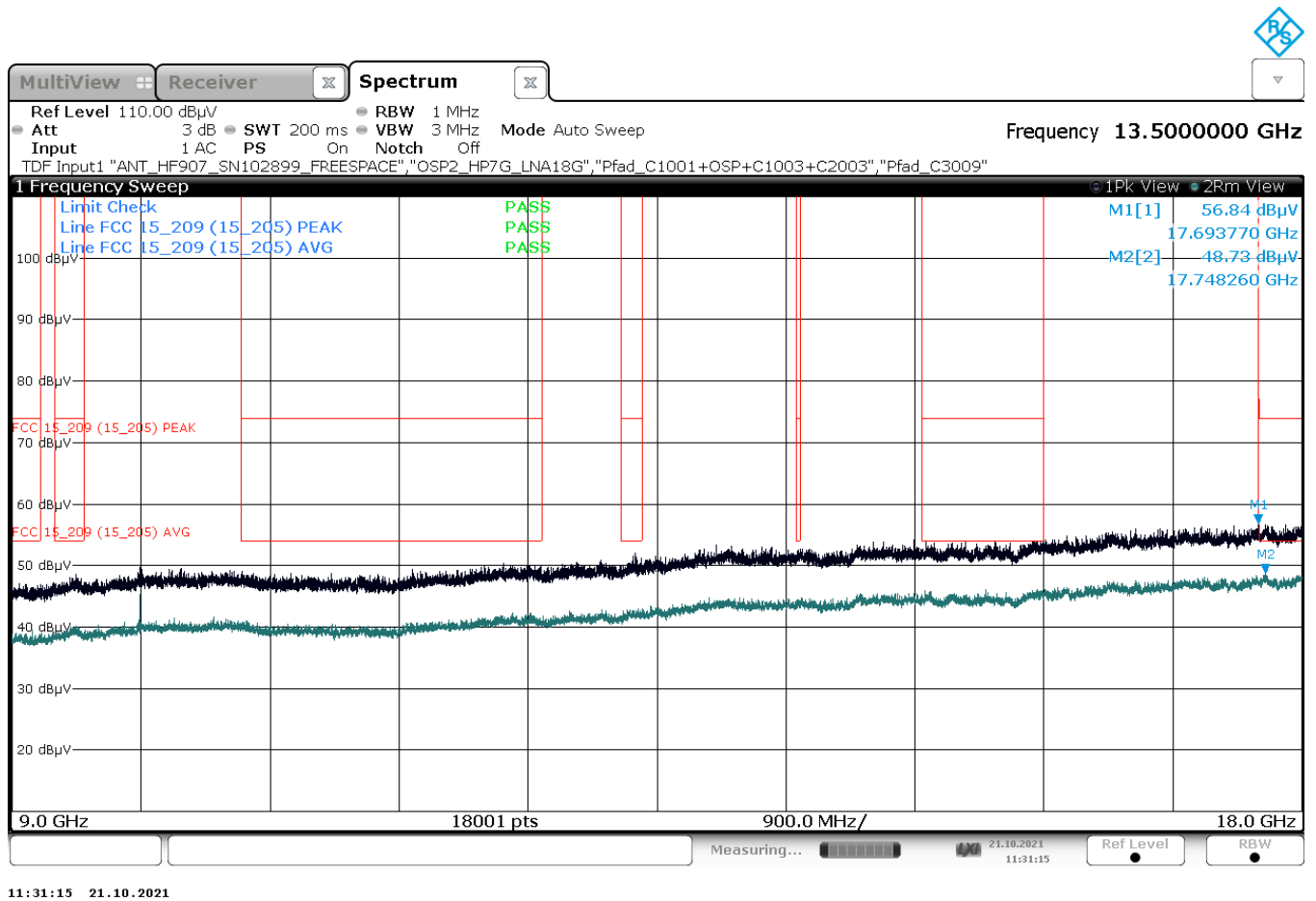


Plot 55: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation



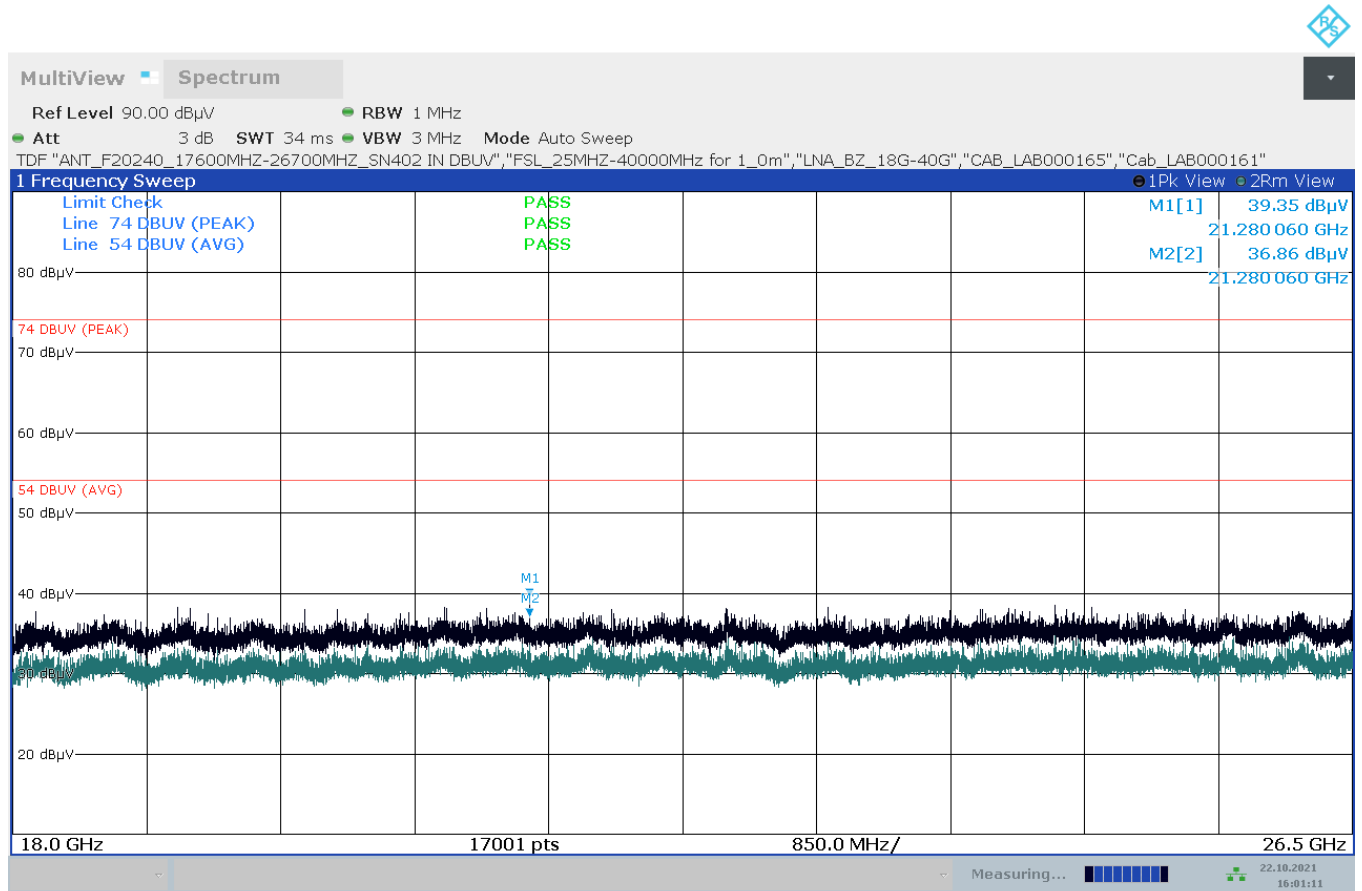
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Plot 56: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



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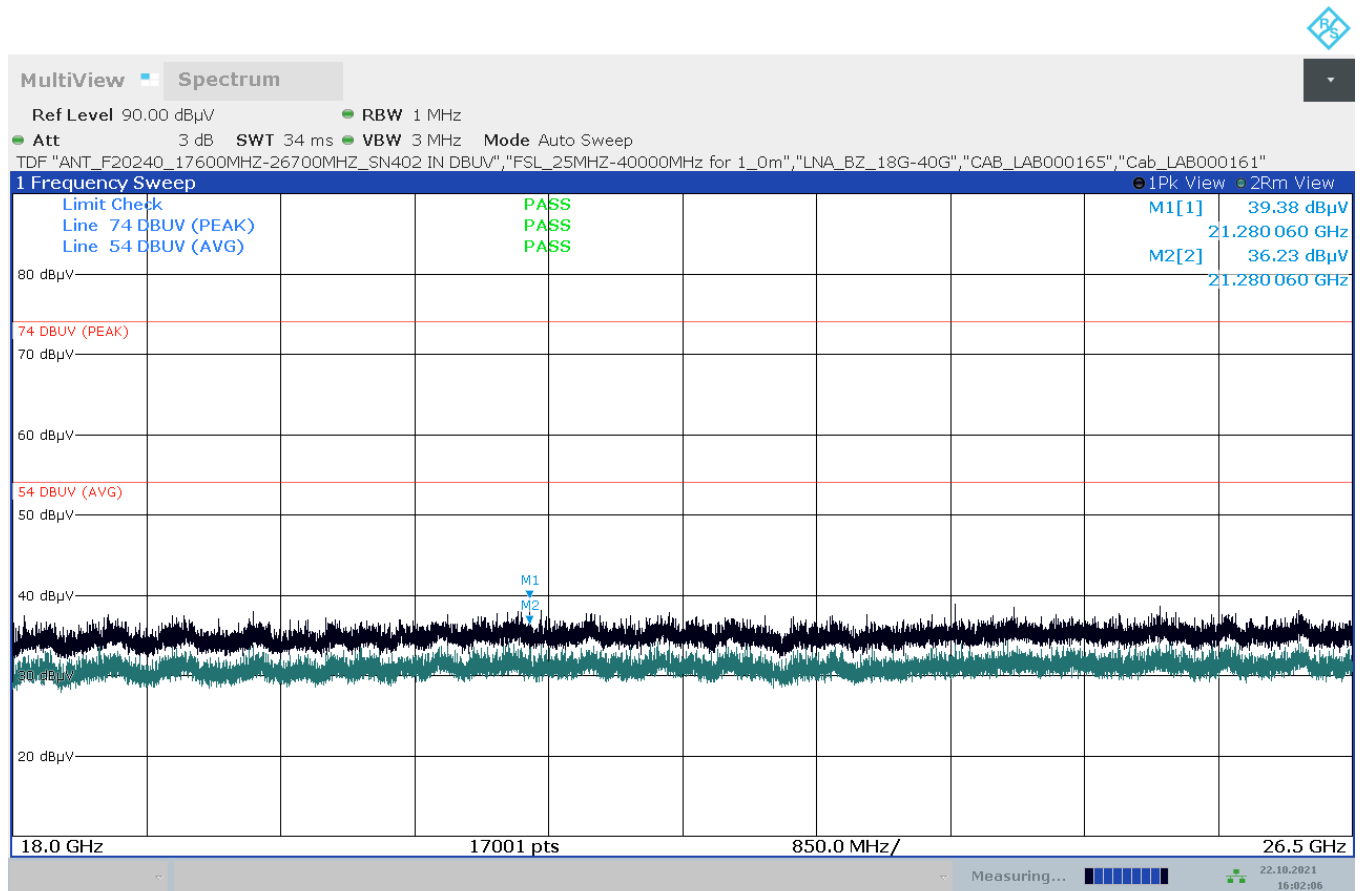
Plot 57: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



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Plot 58: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



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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

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

DUT Information

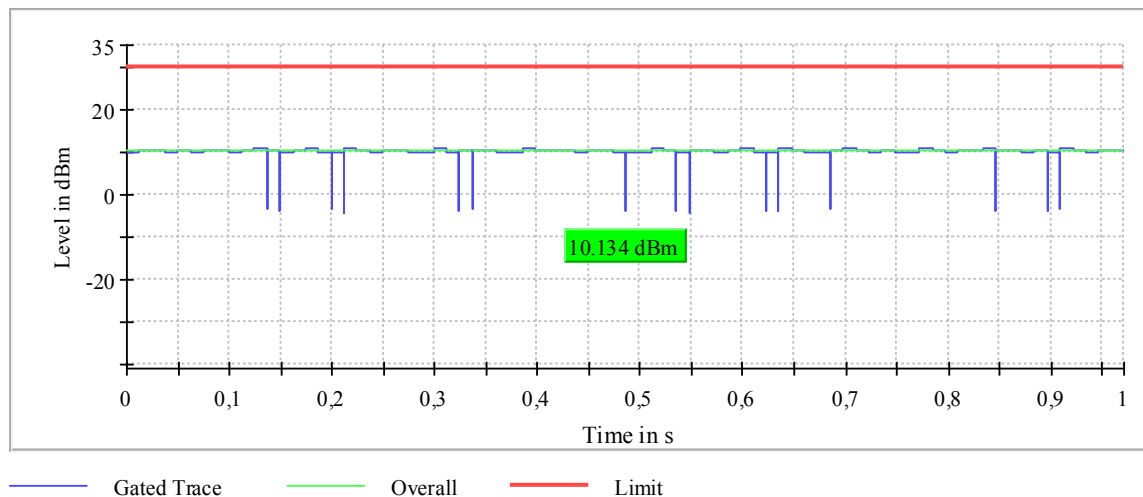
DUT Name: prePV 50
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65016

Plot 59: Mode 1, AVGPM-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	10.1	30.0	10.1	98.981	PASS

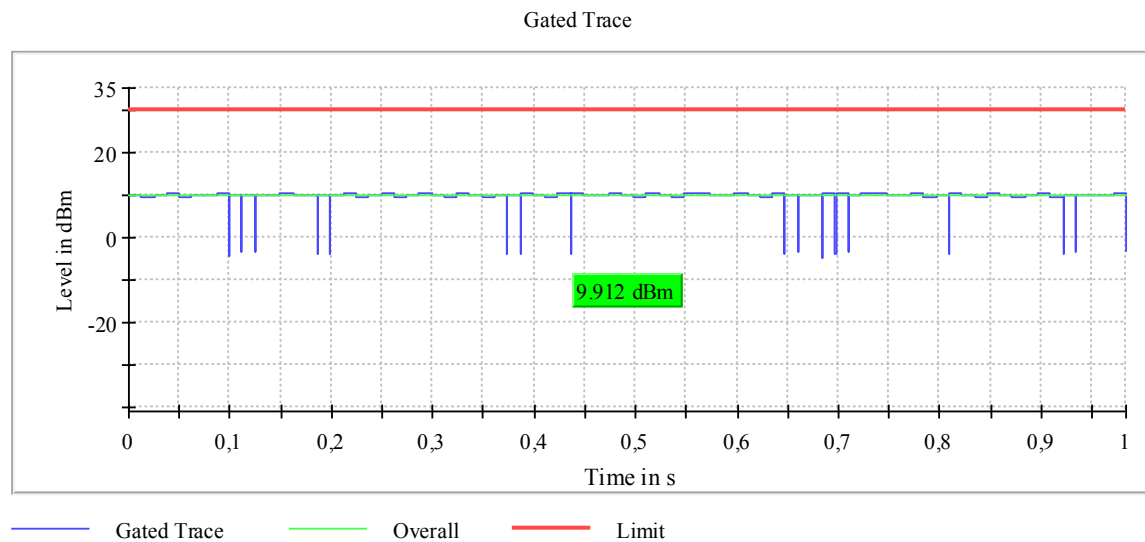
Gated Trace



Plot 60: Mode 1, AVGPM-G Gated Average Power Measurement, mid channel

Result

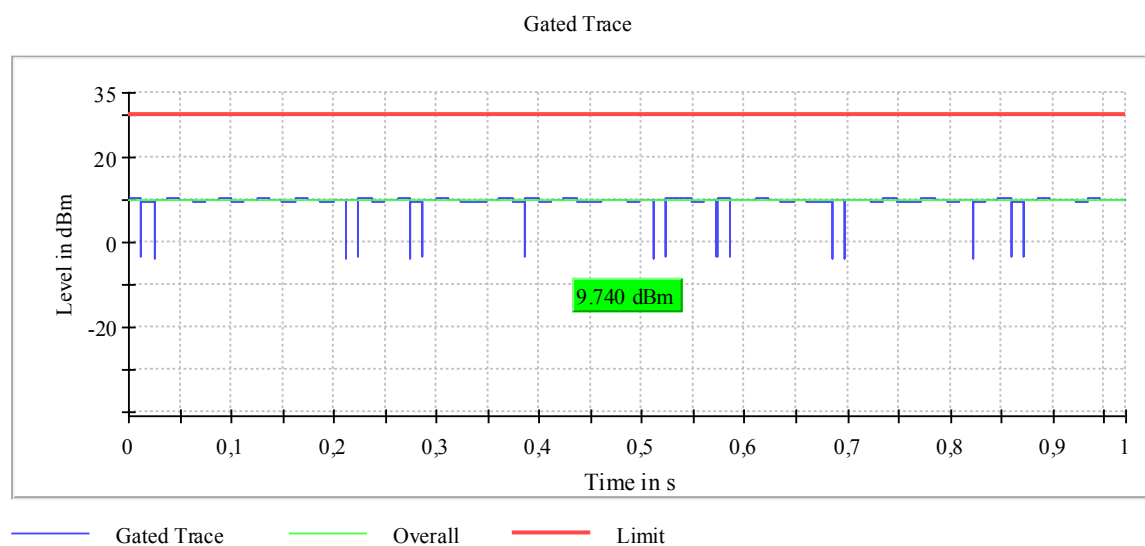
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2442.000000	9.9	30.0	9.9	98.894	PASS



Plot 61: Mode 1, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2472.000000	9.7	30.0	9.7	98.922	PASS

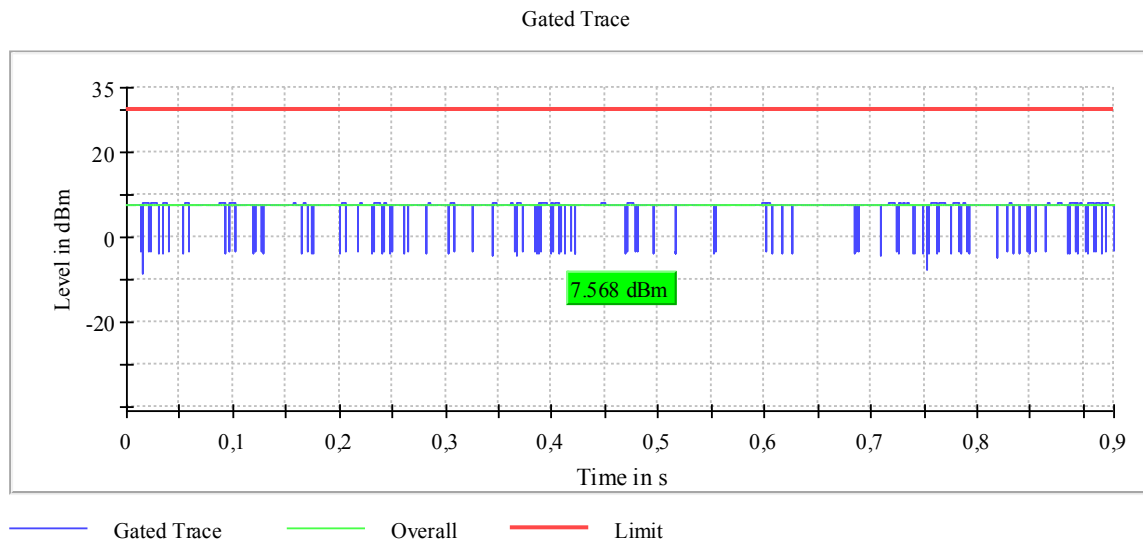


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Plot 62: Mode 2, AVGPM-G Gated Average Power Measurement, low channel

Result

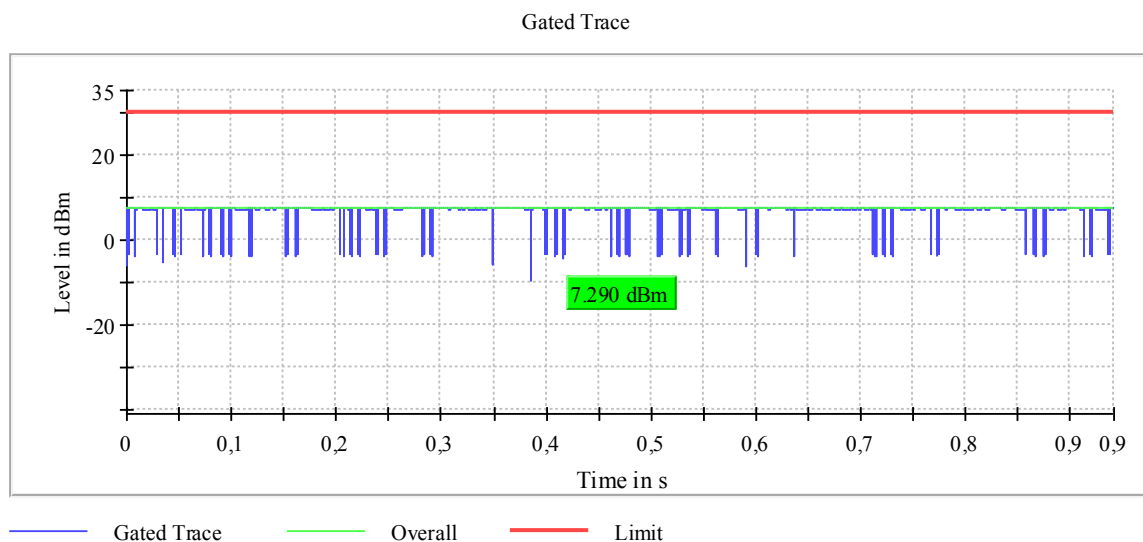
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	7.6	30.0	7.6	92.964	PASS



Plot 63: Mode 2, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2442.000000	7.3	30.0	7.3	94.388	PASS

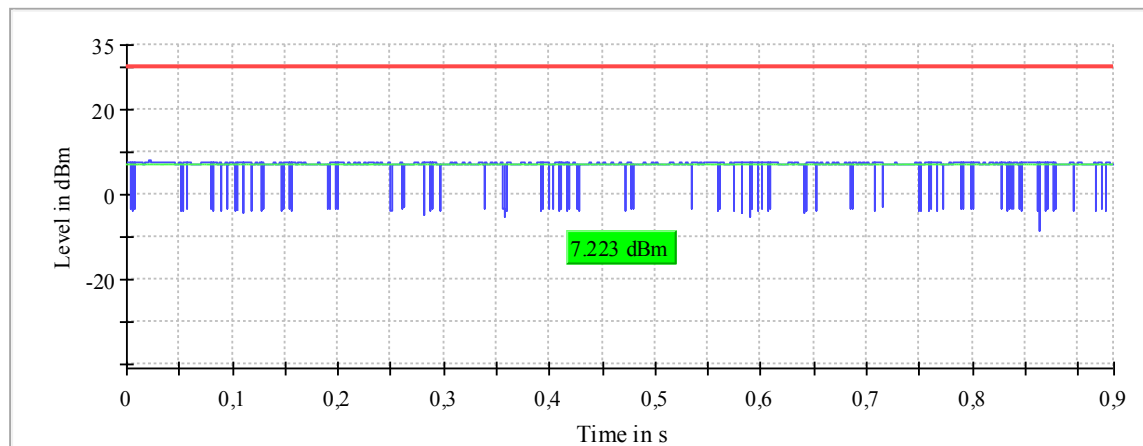


Plot 64: Mode 2, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2472.000000	7.2	30.0	7.2	93.754	PASS

Gated Trace

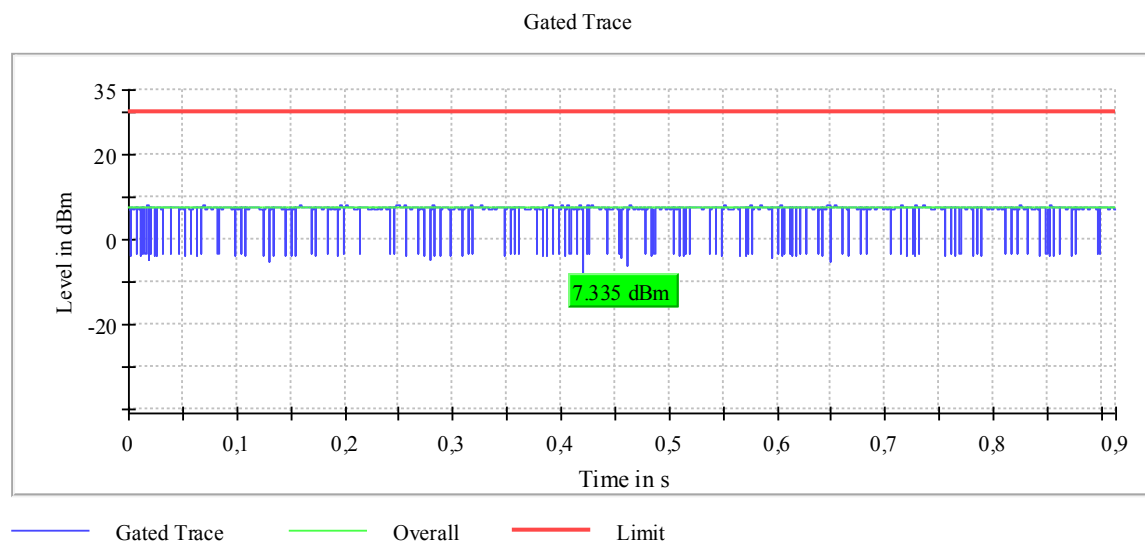


— Gated Trace — Overall — Limit

Plot 65: Mode 3, AVGPM-G Gated Average Power Measurement, low channel

Result

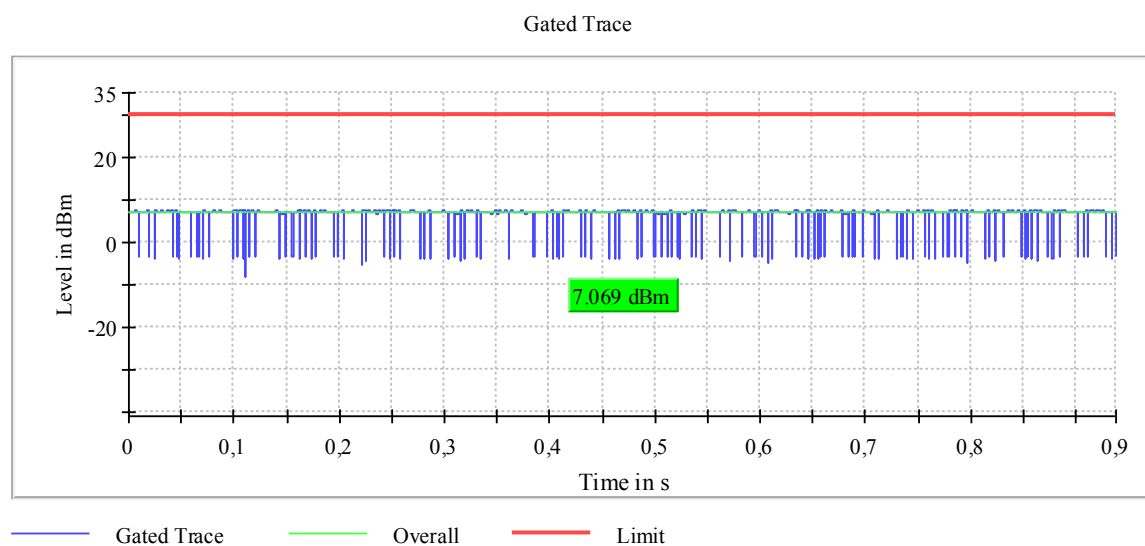
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	7.3	30.0	7.3	91.607	PASS



Plot 66: Mode 3, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2442.000000	7.1	30.0	7.1	94.047	PASS

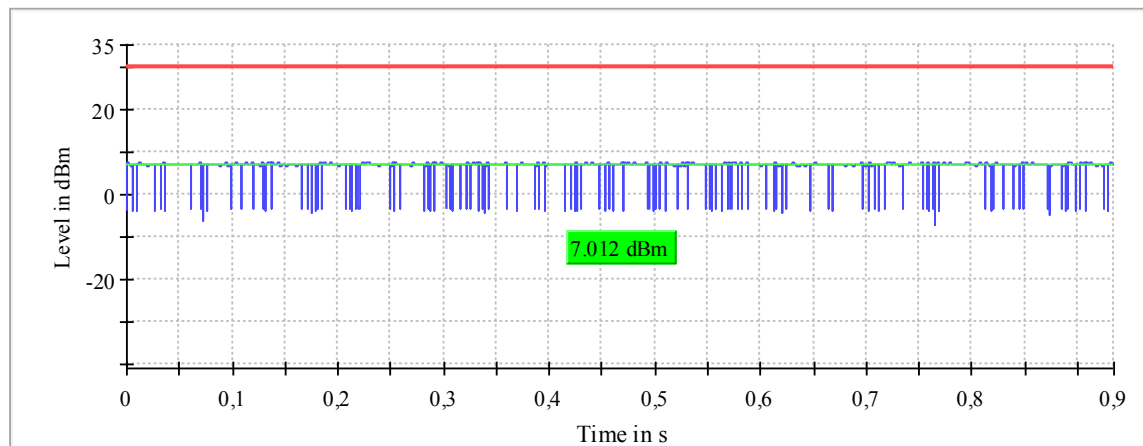


Plot 67: Mode 3, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2472.000000	7.0	30.0	7.0	93.701	PASS

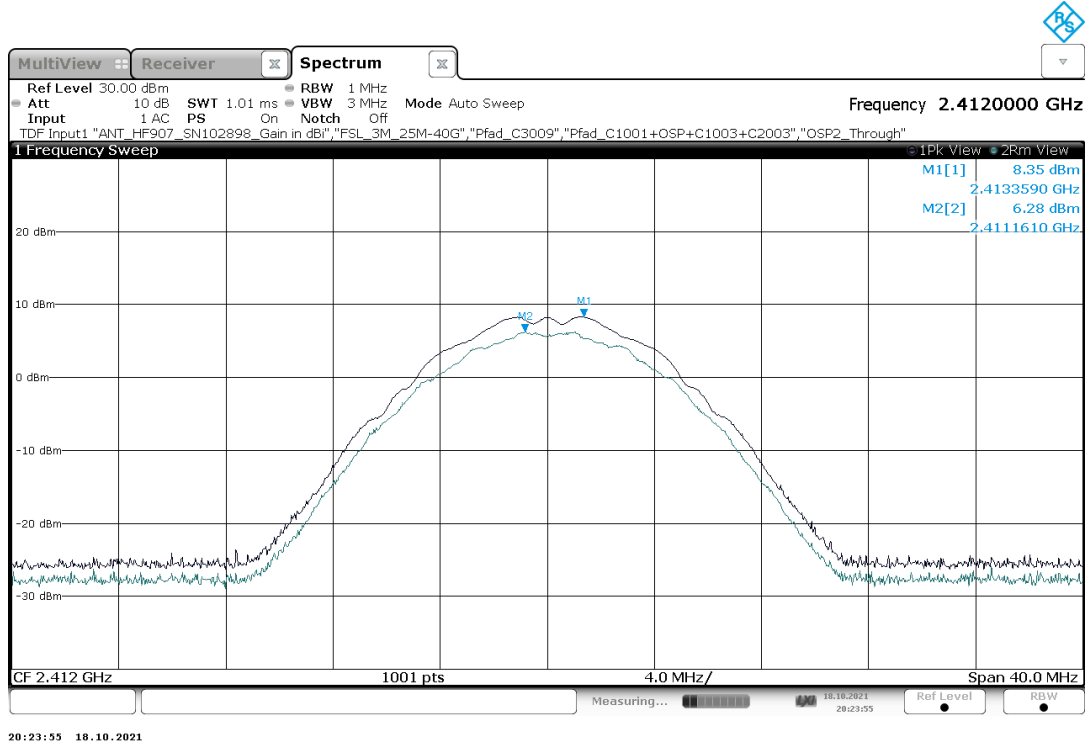
Gated Trace



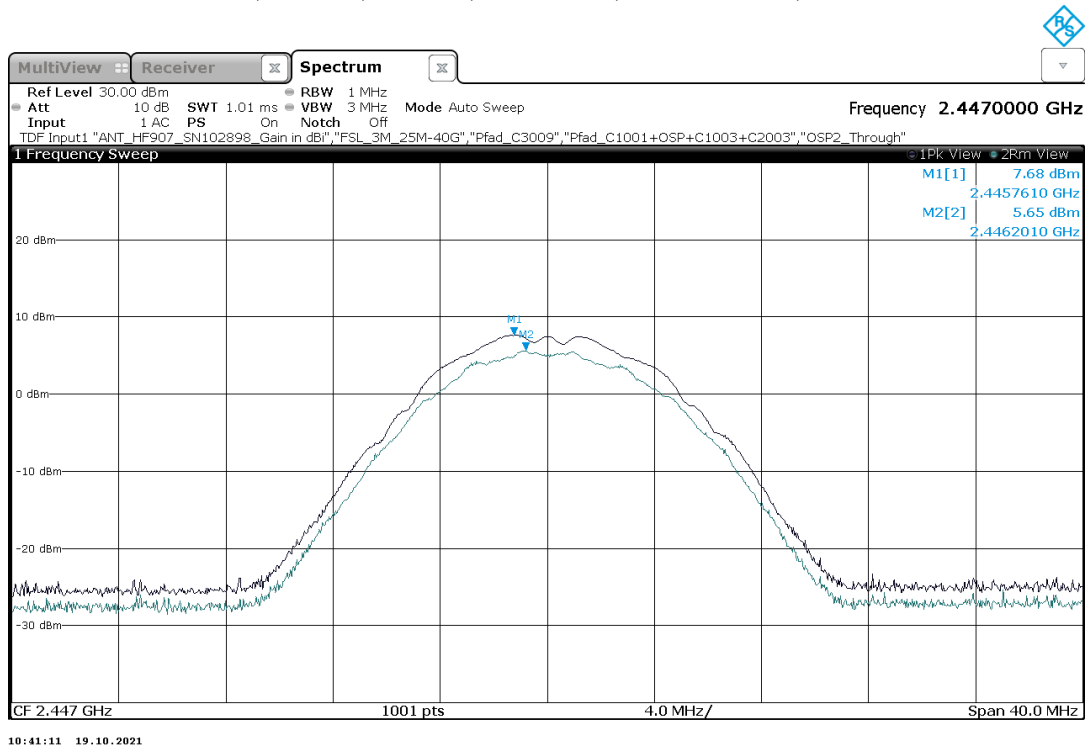
— Gated Trace — Overall — Limit

2.5.2 Radiated Peak Power (Peak EIRP)

Plot 68: Test Mode 1, DBPSK, 1 Mbit/s, Peak EIRP, low channel 1, 2412 MHz

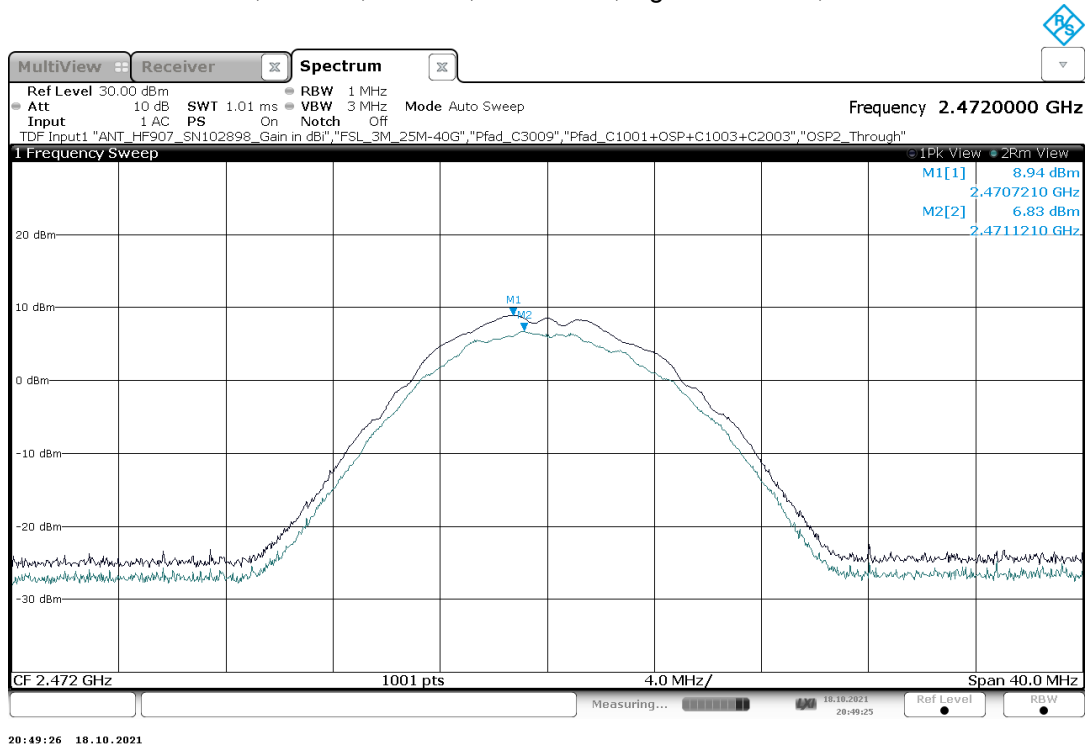


Plot 69: Test Mode 1, DBPSK, 1 Mbit/s, Peak EIRP, mid channel 8, 2447 MHz



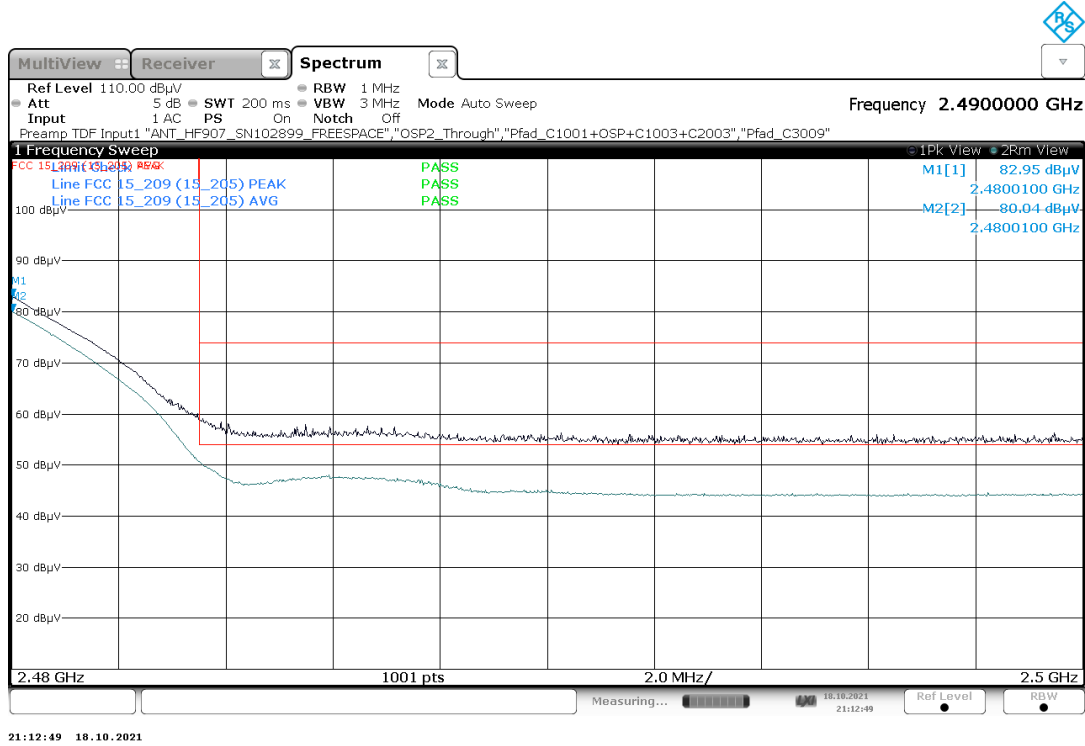
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Plot 70: Test Mode 1, DBPSK, 1 Mbit/s, Peak EIRP, high channel 13, 2472 MHz

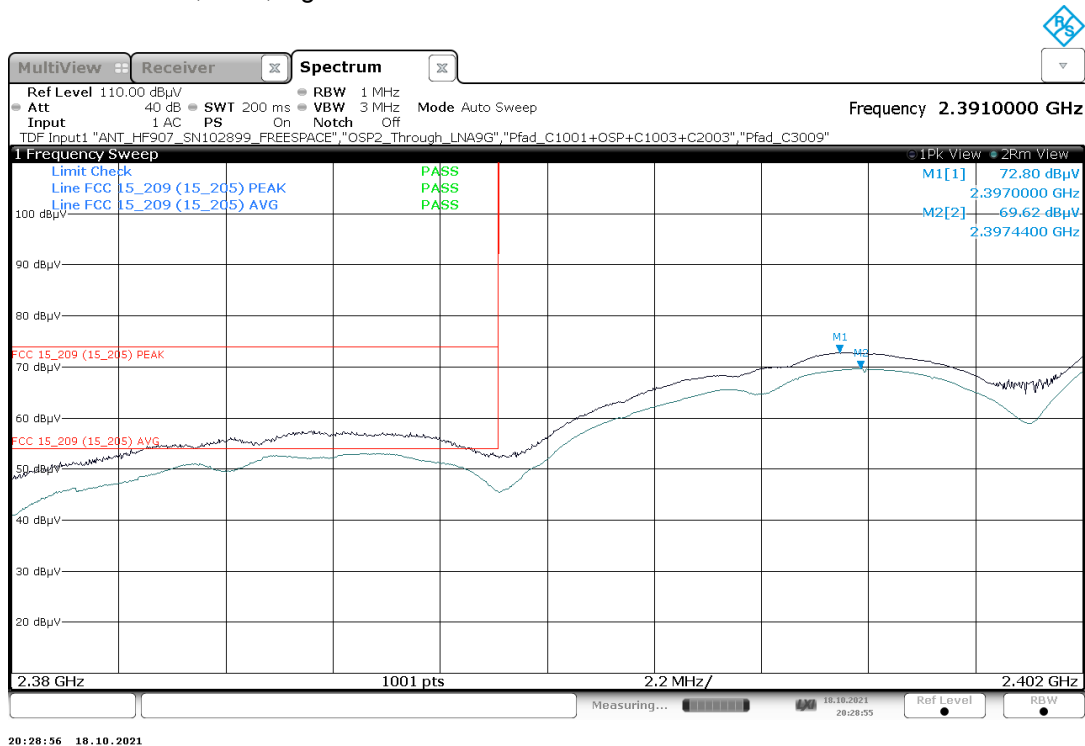


2.5.3 Band Edge Compliance (BEC), radiated

Plot 71: Mode 1, BEC, low channel 1

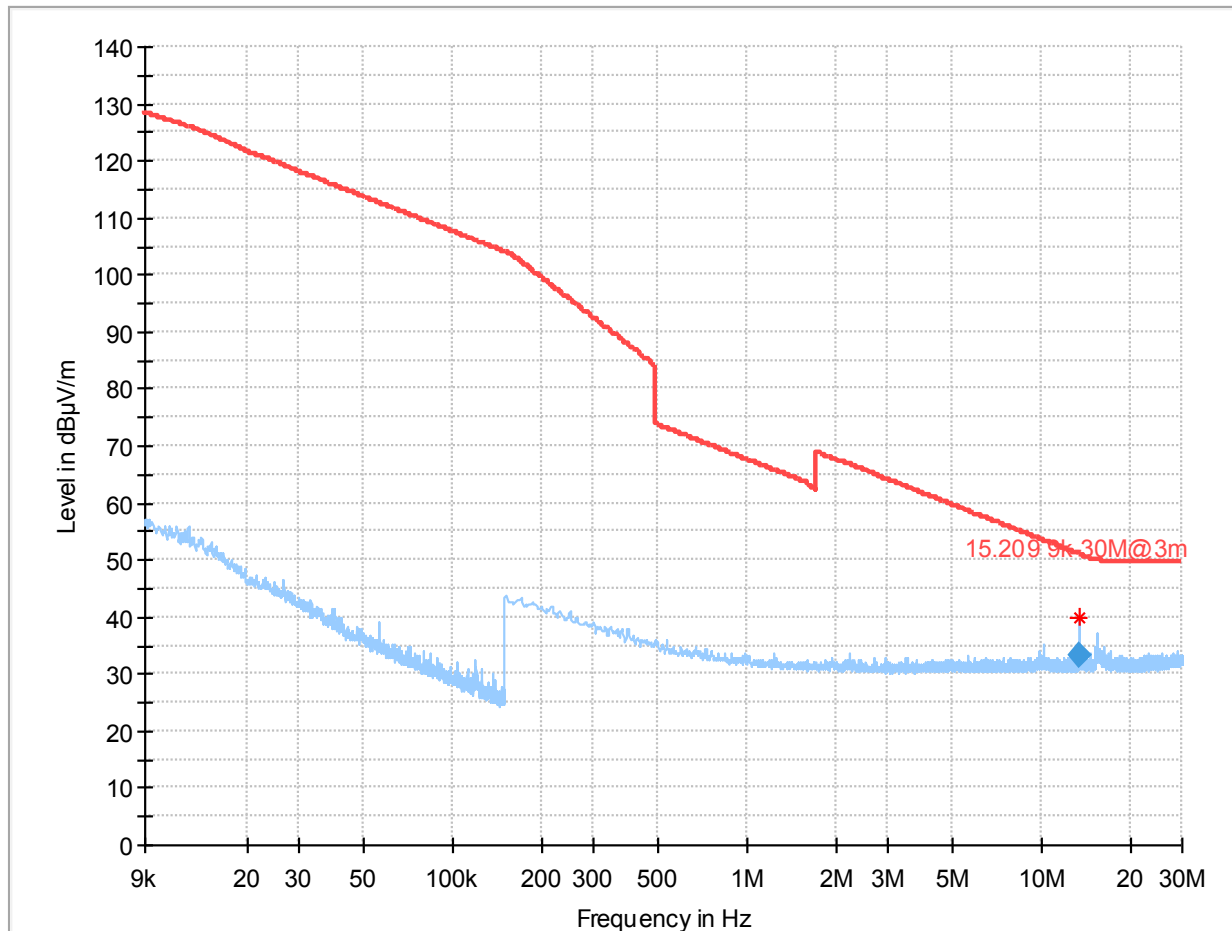


Plot 72: Mode 1, BEC, high channel 13



2.5.4 Radiated Spurious Emissions (RSE)

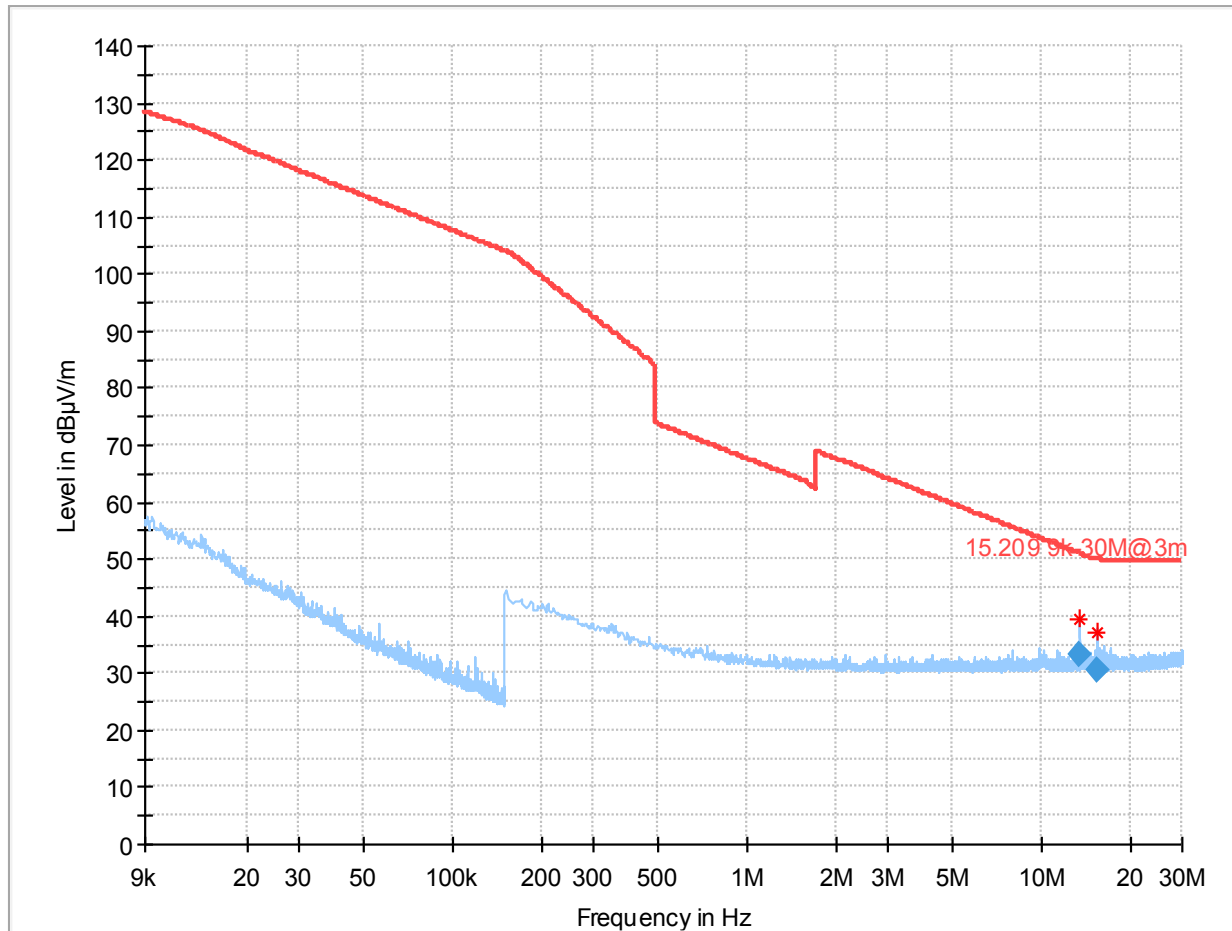
Plot 73: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.24	50.94	17.70	100.0	9.000	H	30.0	20.5

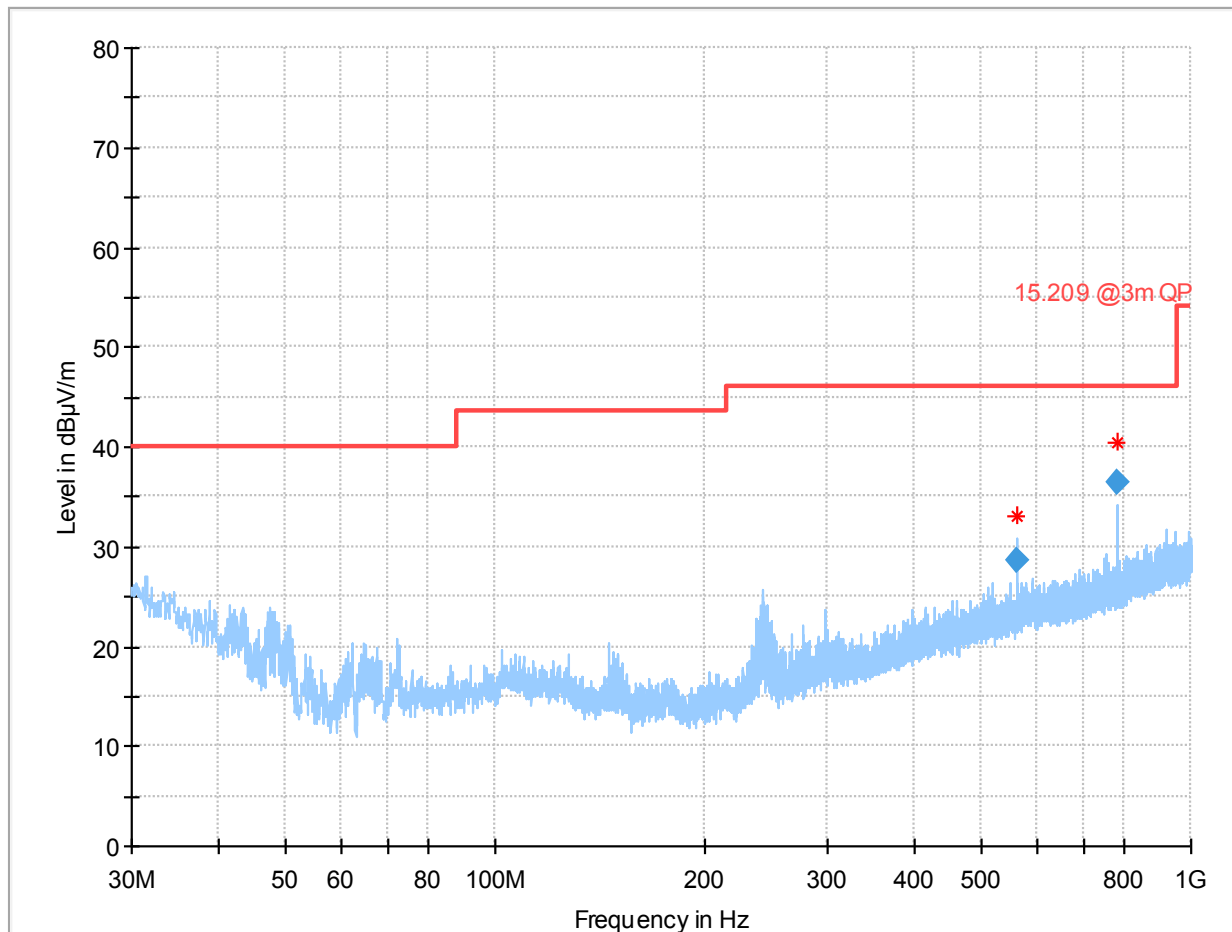
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Plot 74: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna



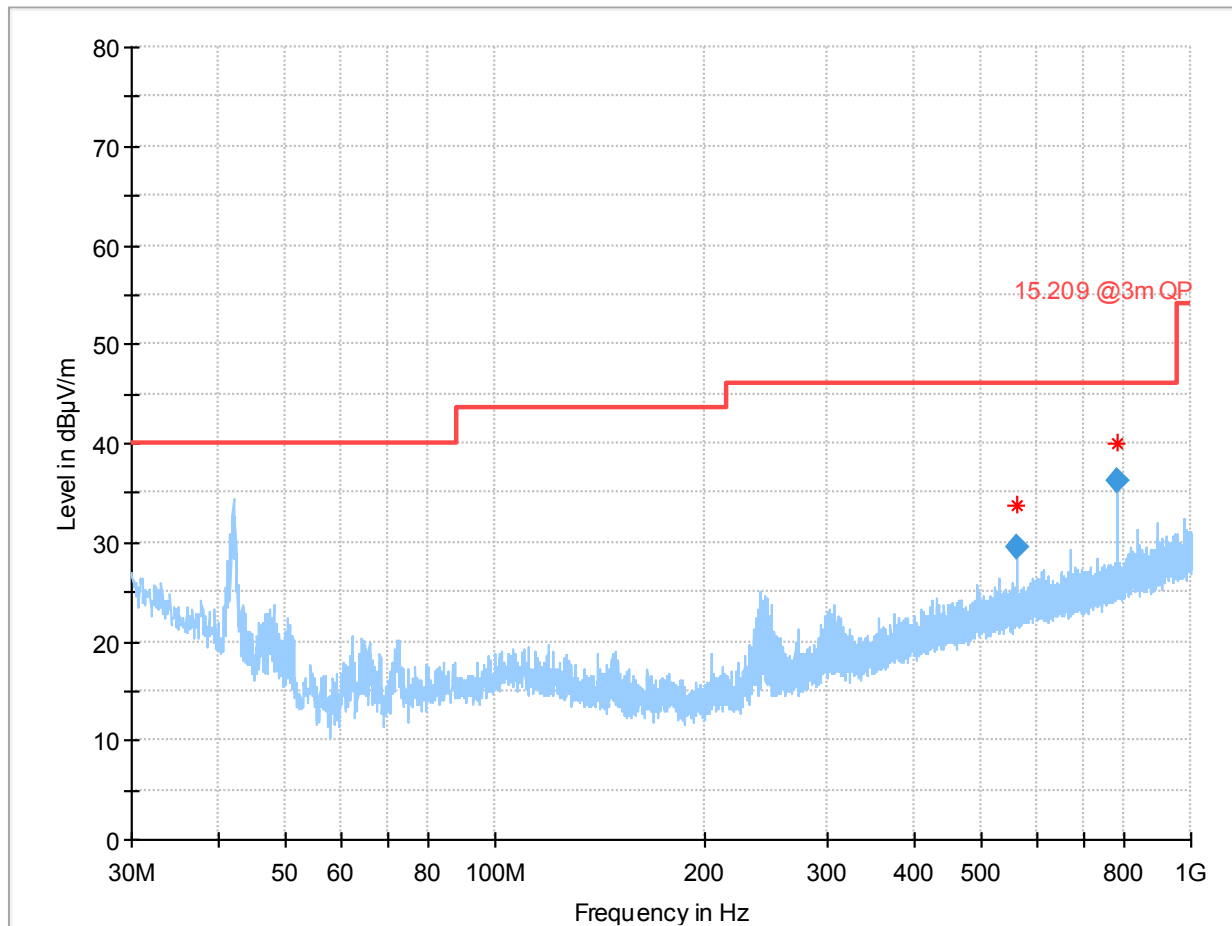
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.26	50.94	17.68	100.0	9.000	V	278.0	20.5
15.551250	30.57	50.03	19.46	100.0	9.000	V	20.0	20.5

Plot 75: Mode 1, RSE 30 MHz – 1 GHz, low channel, horizontal / vertical polarisation



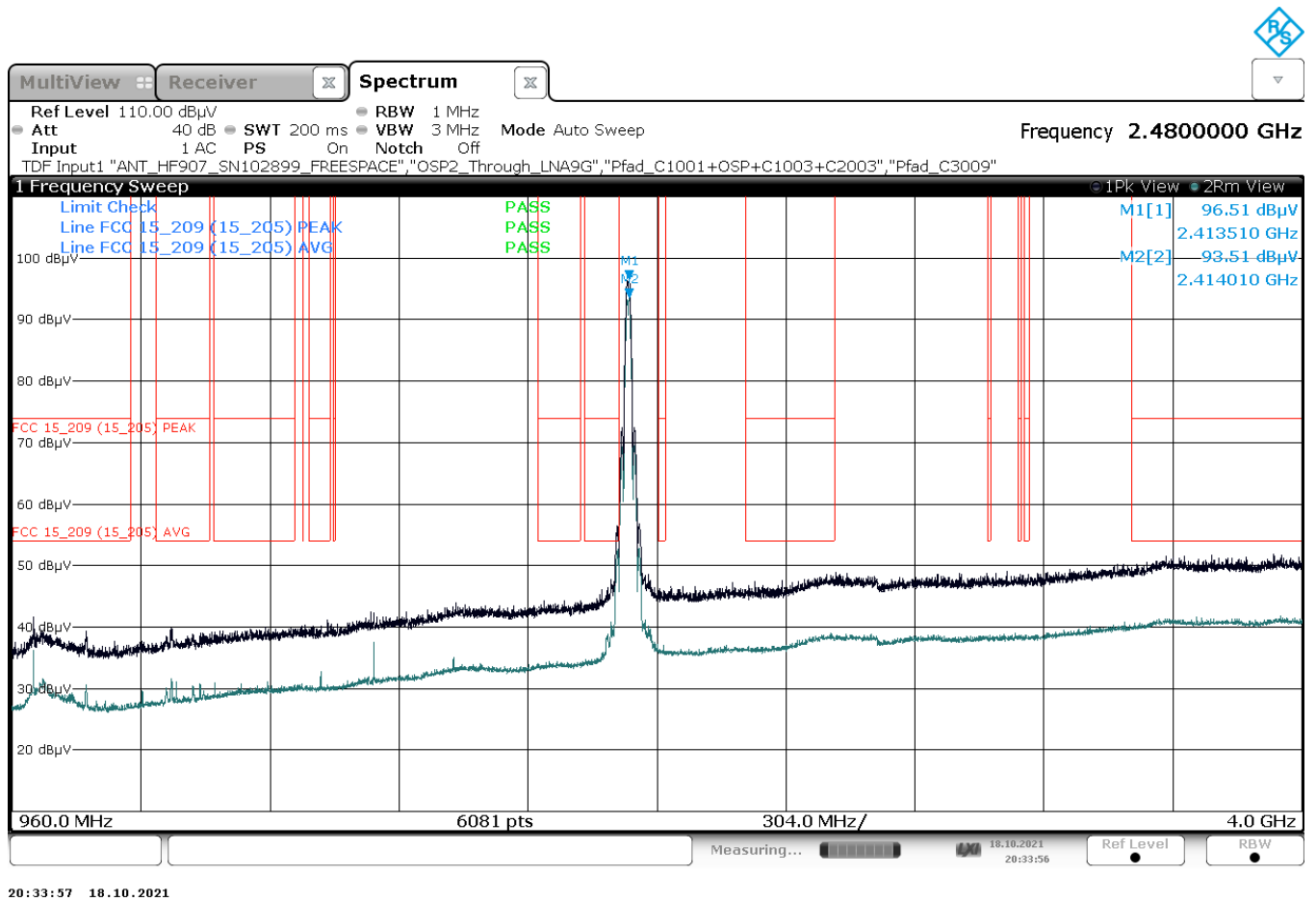
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
561.220500	28.57	46.00	17.43	100.0	120.000	100.0	V	311.0
785.703500	36.32	46.00	9.68	100.0	120.000	100.0	H	78.0

Plot 76: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



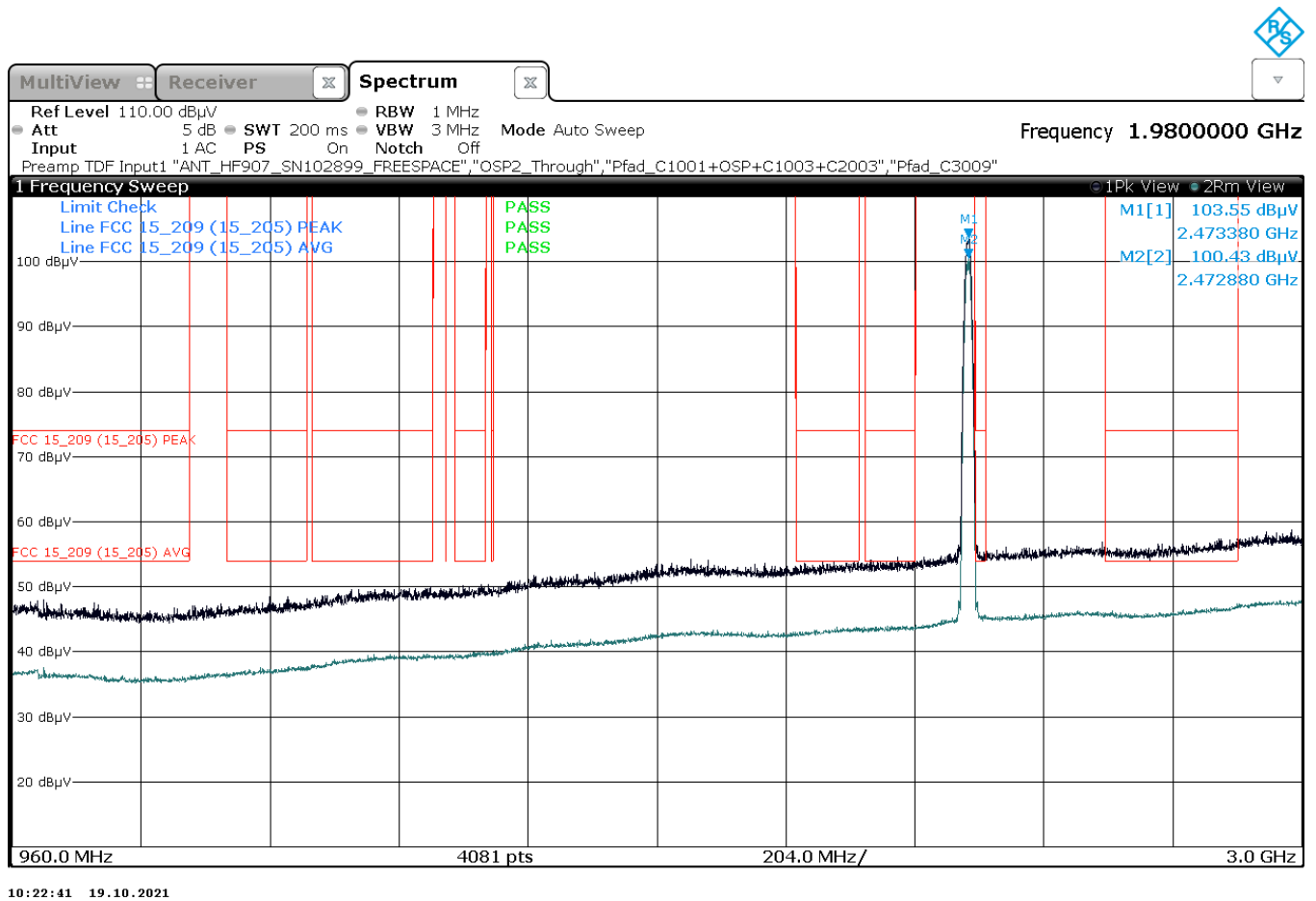
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
561.222000	29.46	46.00	16.54	100.0	120.000	100.0	V	311.0
785.703500	36.25	46.00	9.75	100.0	120.000	100.0	H	283.0

Plot 77: Mode 1, RSE 1 GHz – 4 GHz, low channel, horizontal / vertical polarisation



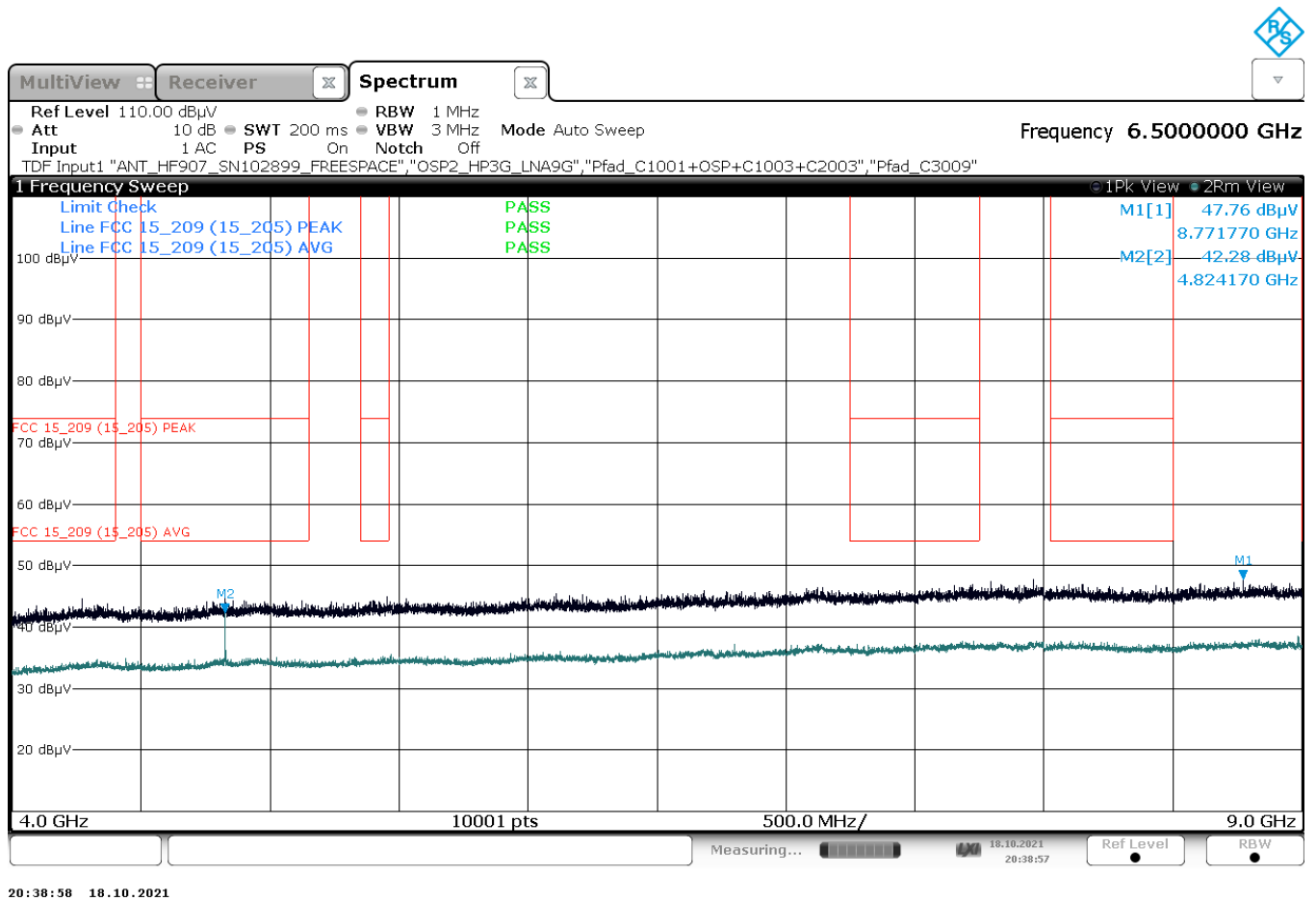
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Plot 78: Mode 1, RSE 1 GHz – 3 GHz, high channel, horizontal / vertical polarisation

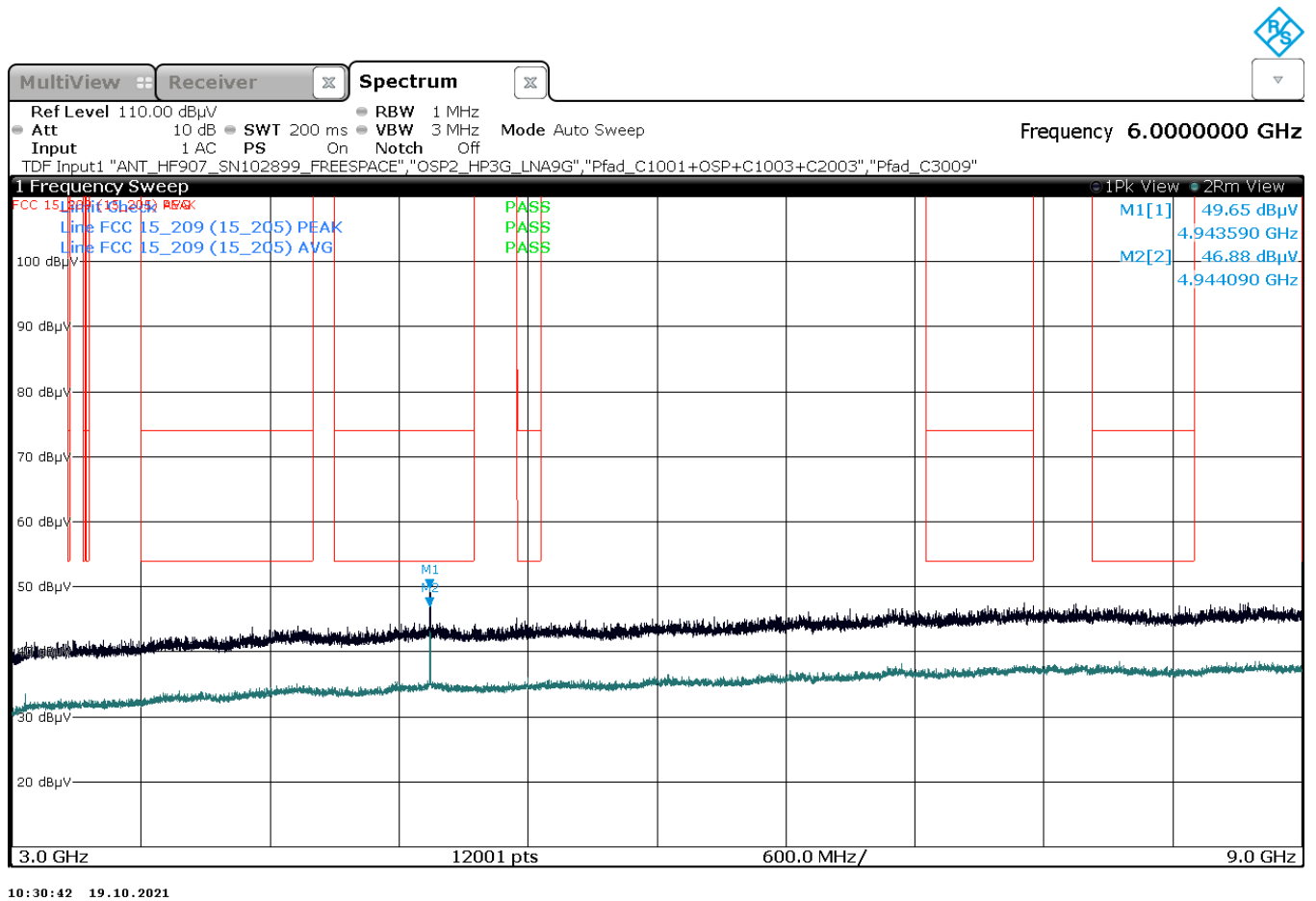


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Plot 79: Mode 1, RSE 4 GHz – 9 GHz, low channel, horizontal / vertical polarisation

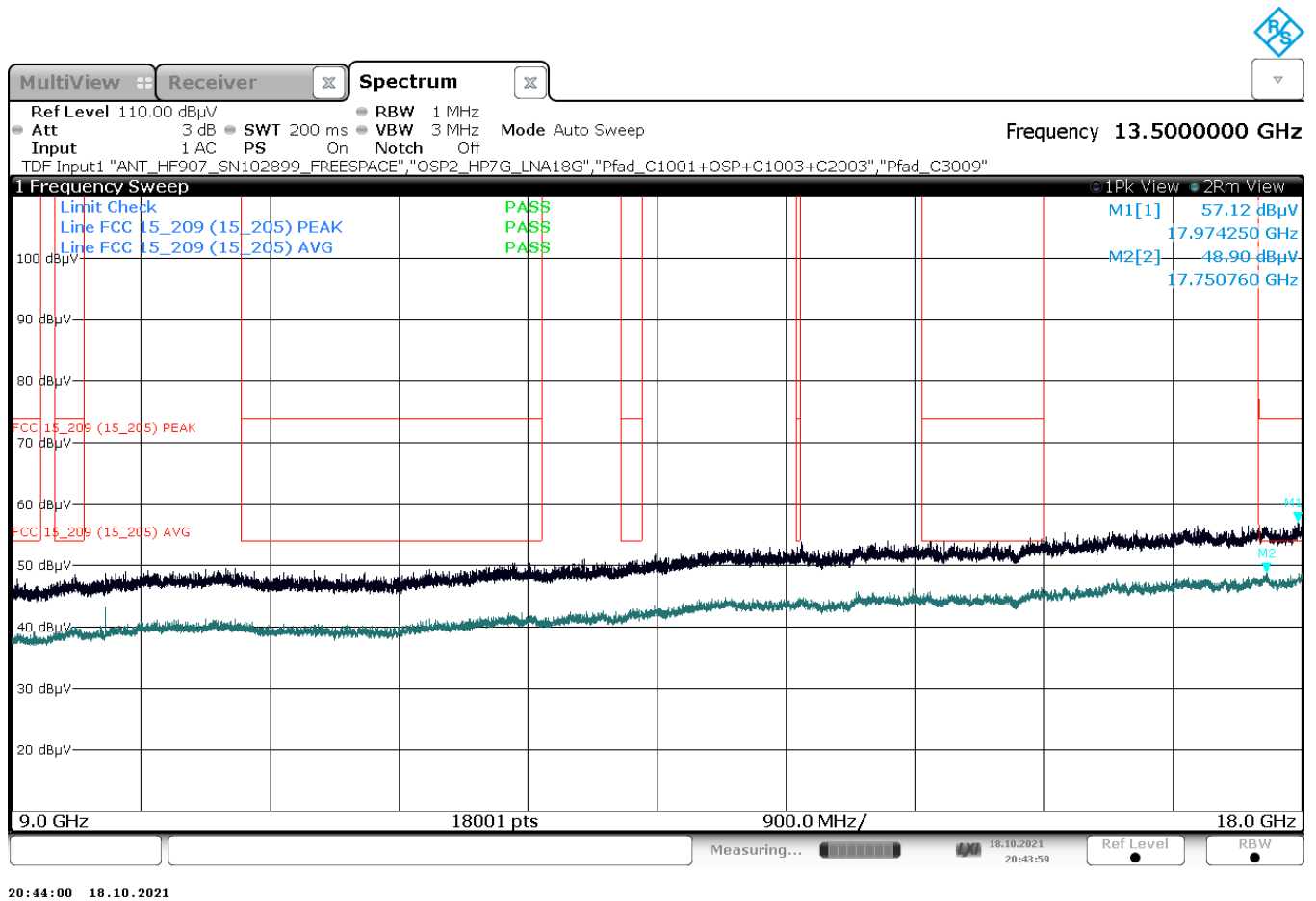


Plot 80: Mode 1, RSE 3 GHz – 9 GHz, high channel, horizontal / vertical polarisation

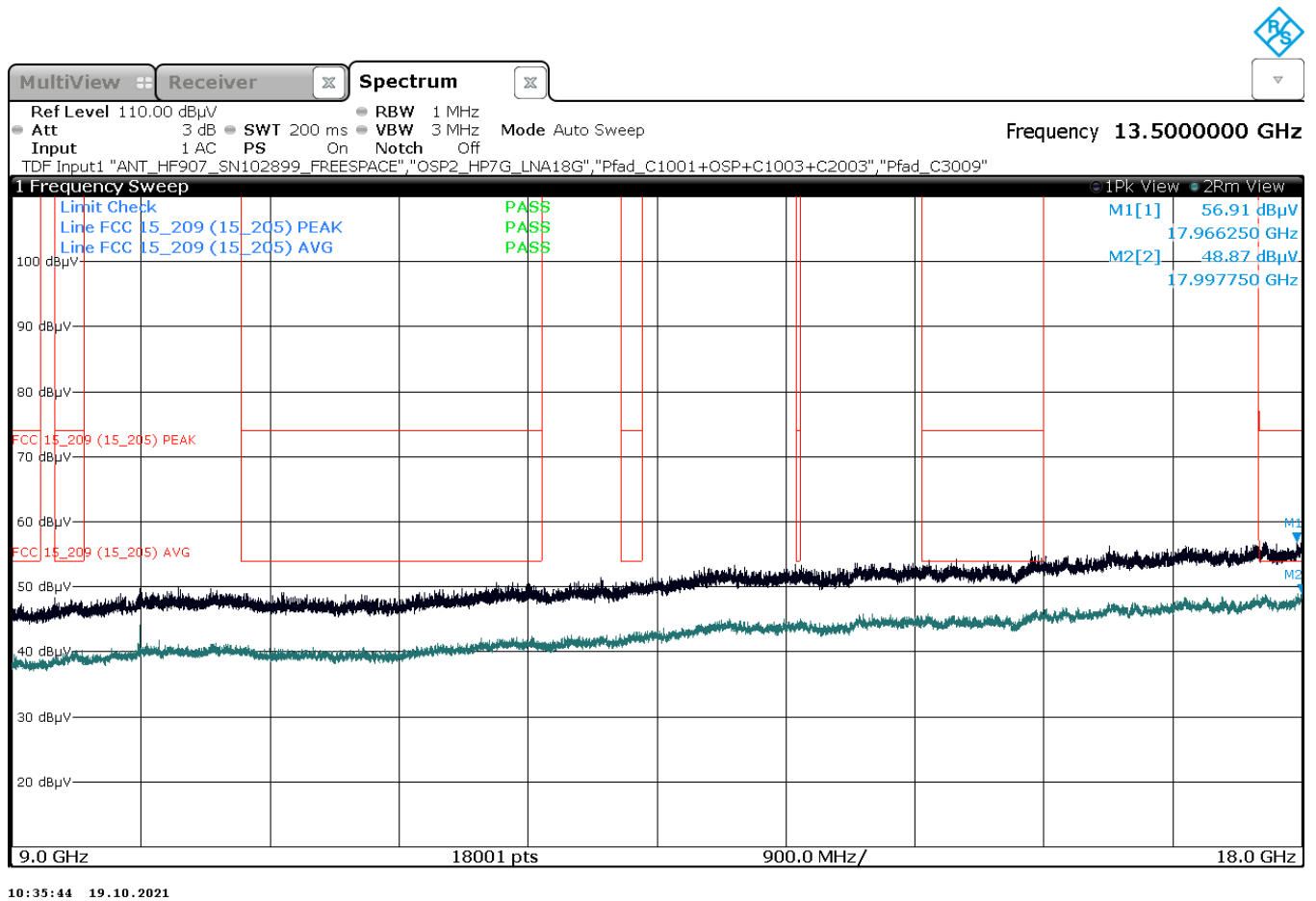


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Plot 81: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation

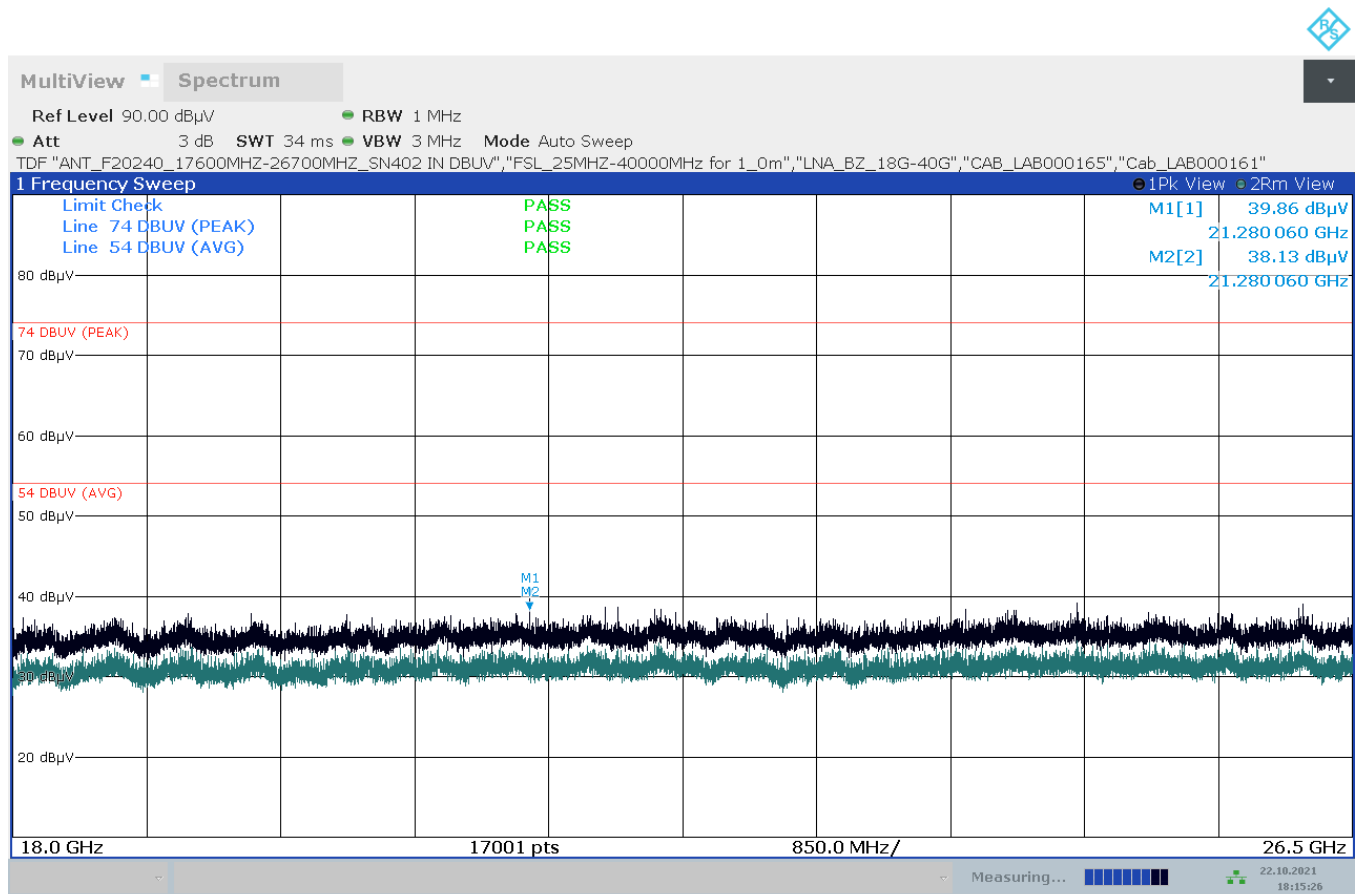


Plot 82: Mode 1, RSE 9 GHz – 18 GHz, high channel, horizontal / vertical polarisation



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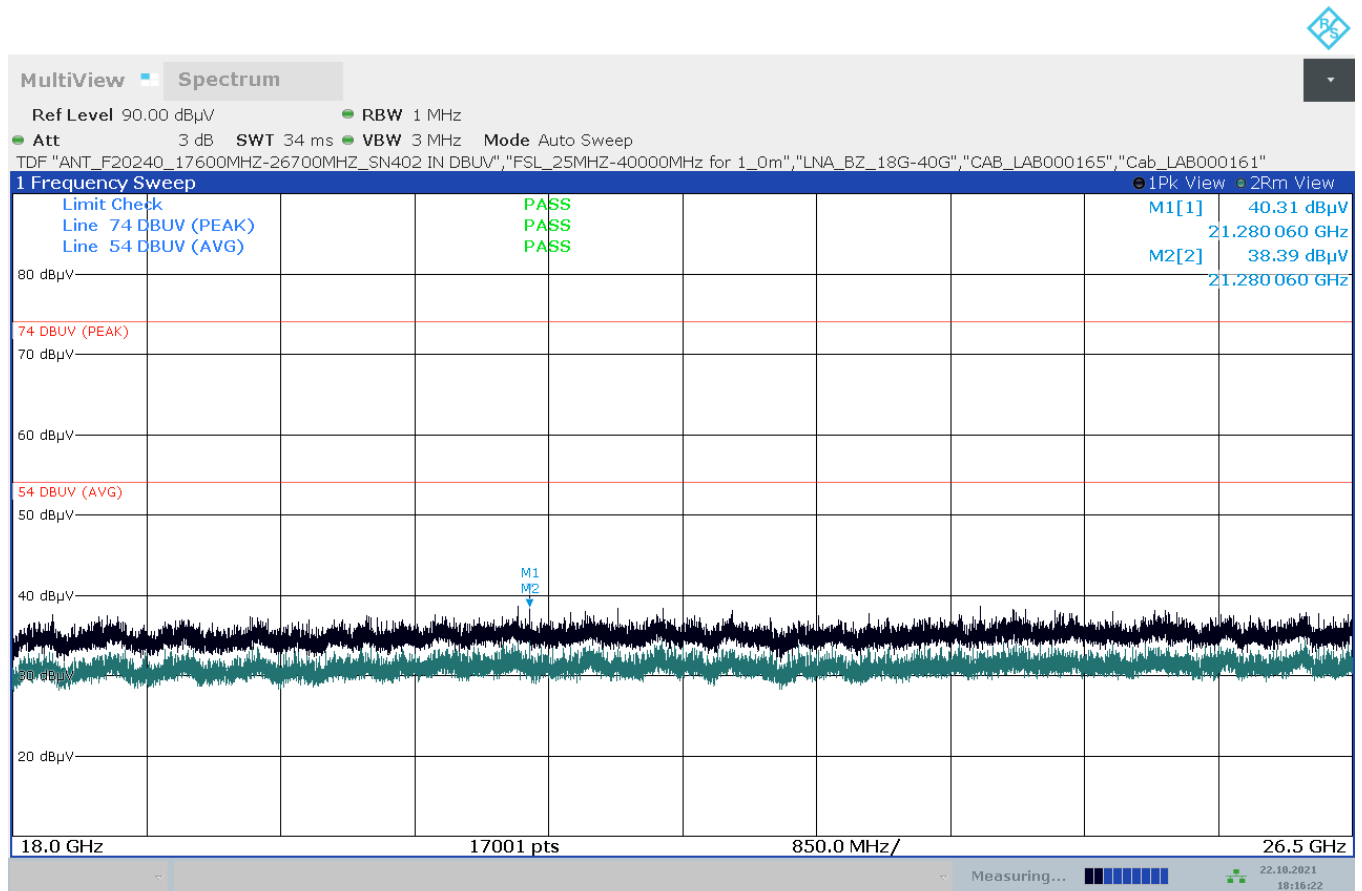
Plot 83: Mode 1, RSE 18 GHz – 26.5 GHz, low channel, horizontal / vertical polarisation



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Plot 84: Mode 1, RSE 18 GHz – 26.5 GHz, high channel, horizontal / vertical polarisation



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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)

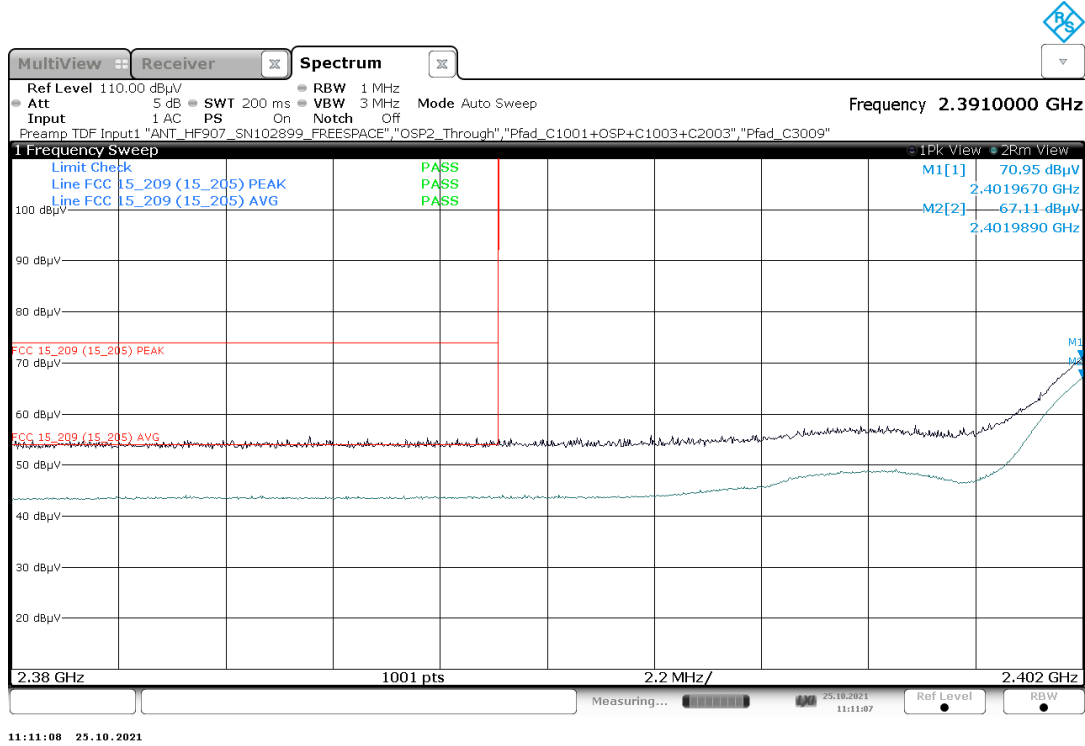
See test results of variant ID #50

2.6.2 Radiated Peak Power (Peak EIRP)

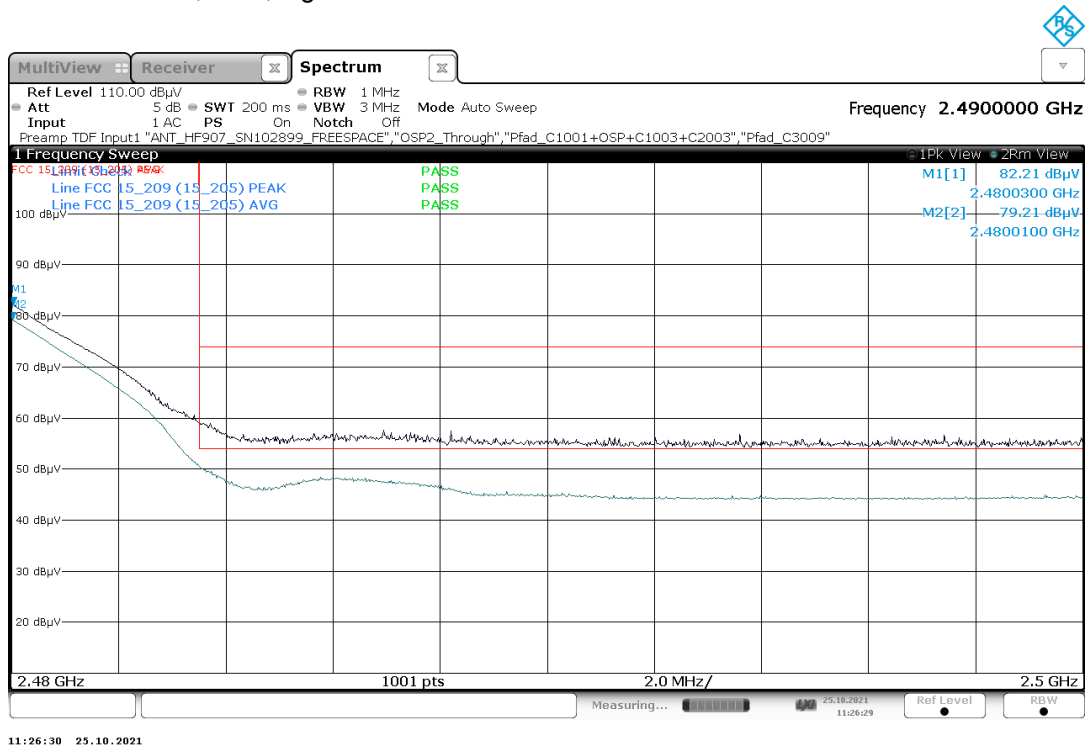
See test results of variant ID #50

2.6.3 Band Edge Compliance (BEC), radiated

Plot 85: Mode 1, BEC, low channel 1

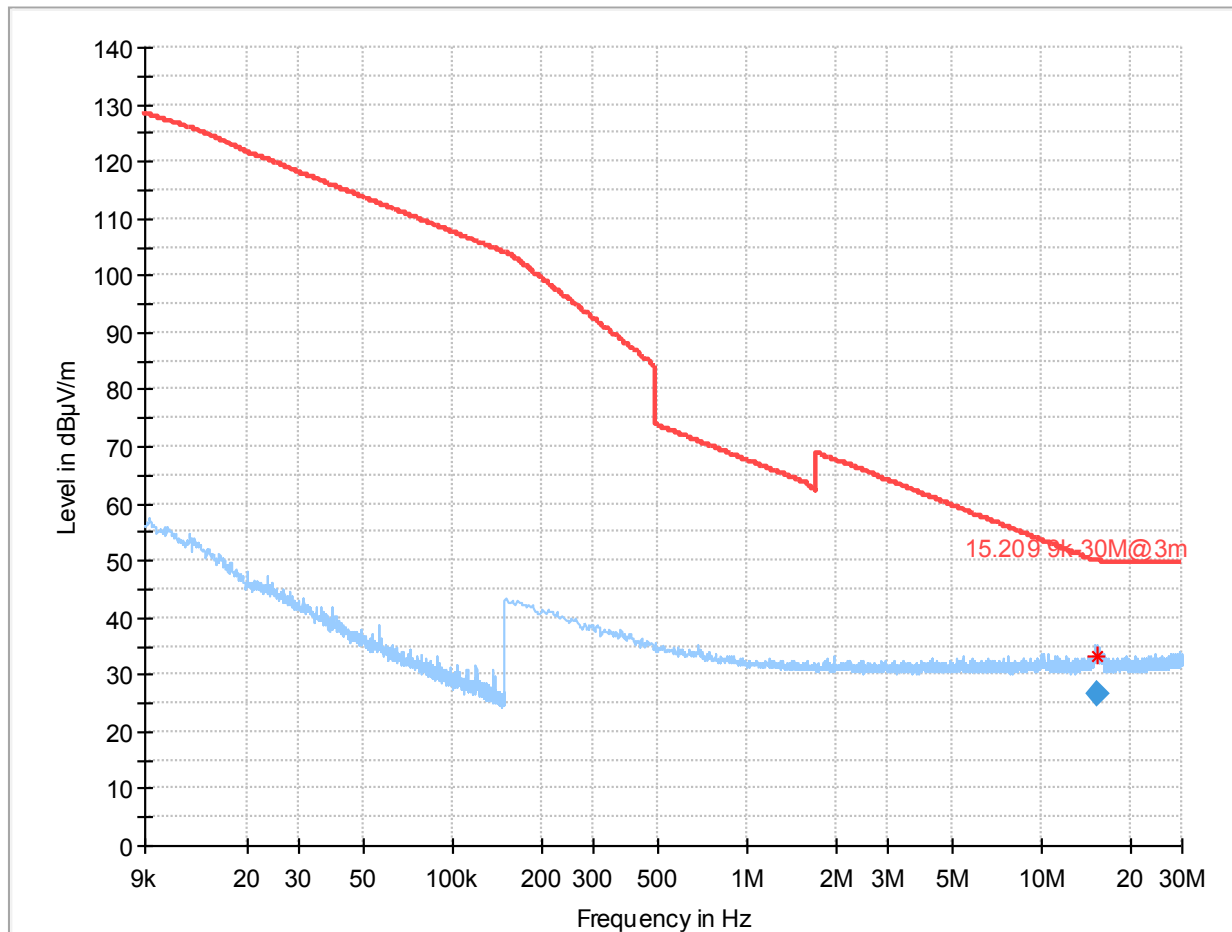


Plot 86: Mode 1, BEC, high channel 13



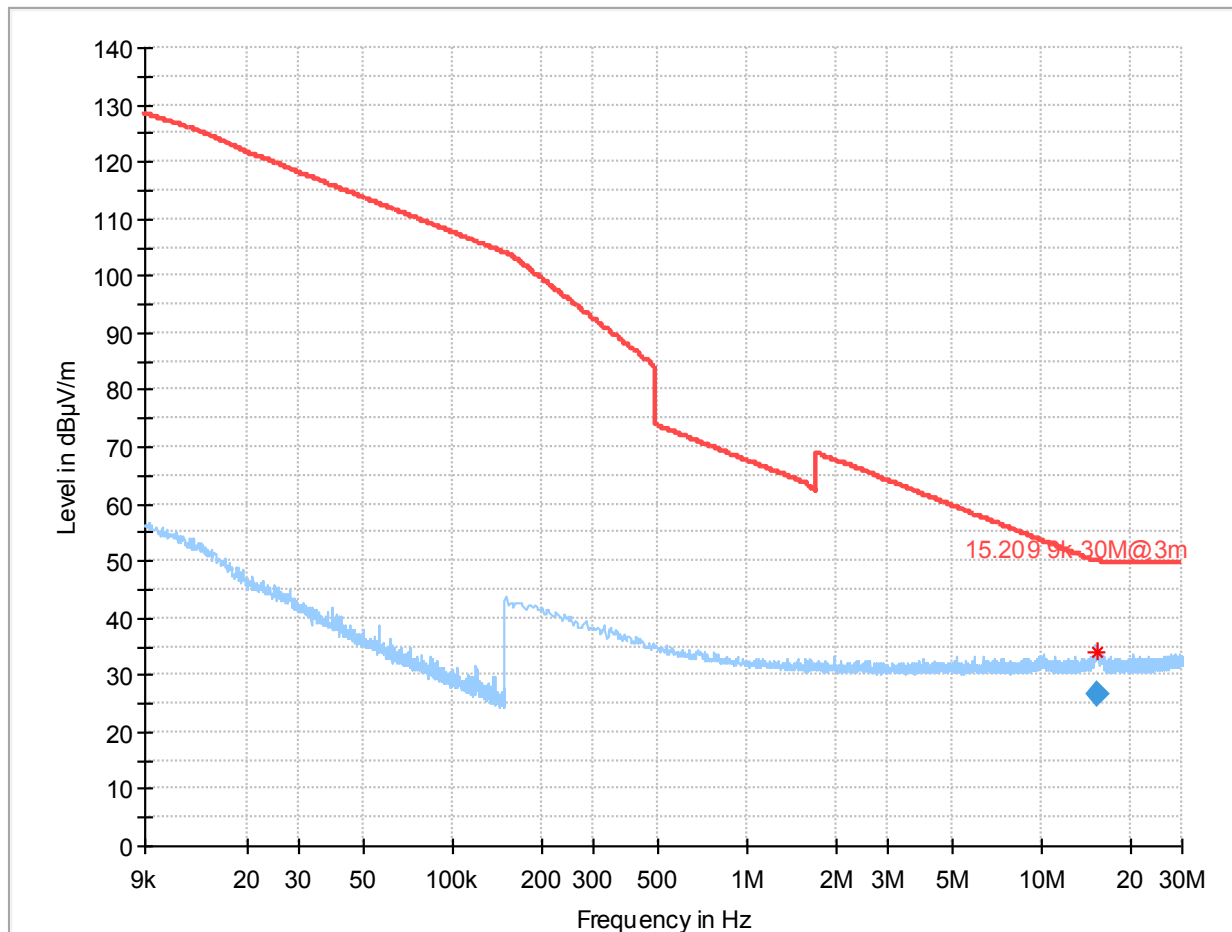
2.6.4 Radiated Spurious Emissions (RSE)

Plot 87: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



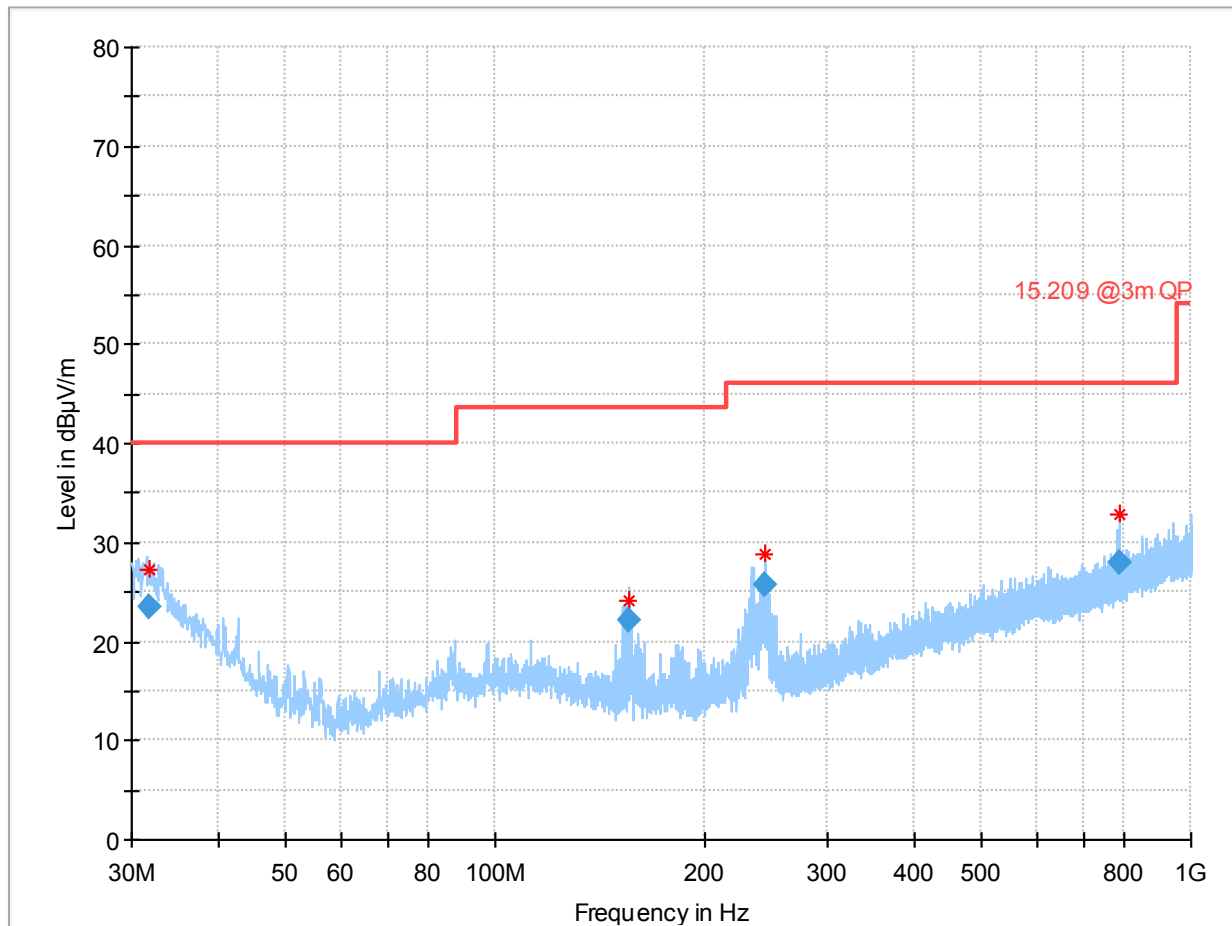
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
15.373500	26.43	50.04	23.61	100.0	9.000	V	30.0	20.5

Plot 88: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna



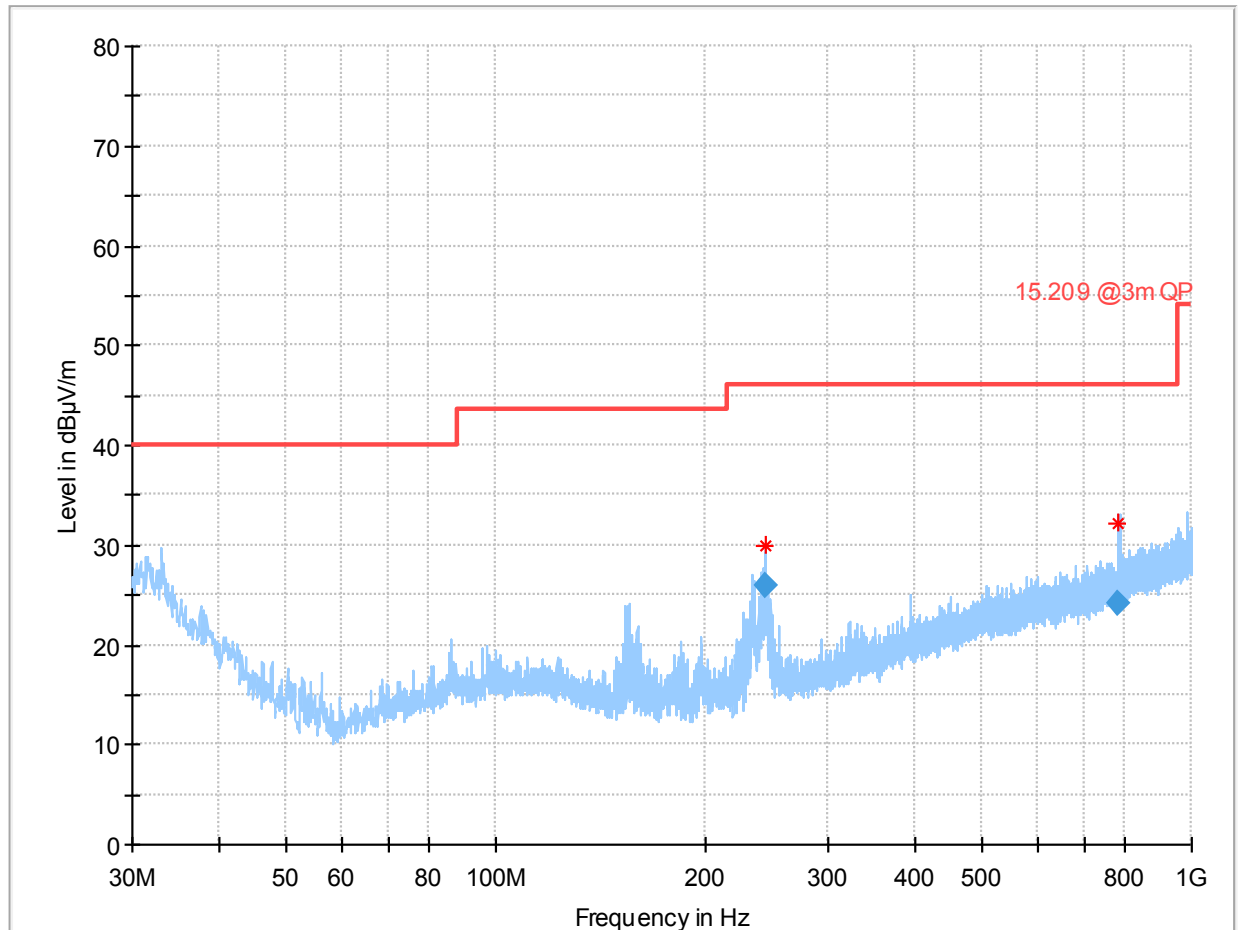
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
15.351000	26.73	50.04	23.31	100.0	9.000	V	300.0	20.5

Plot 89: 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)
31.828500	23.46	40.00	16.54	100.0	120.000	100.0	H	342.0
155.313500	22.19	43.50	21.31	100.0	120.000	100.0	V	26.0
244.578500	25.63	46.00	20.37	100.0	120.000	100.0	V	337.0
787.182000	27.96	46.00	18.04	100.0	120.000	100.0	V	330.0

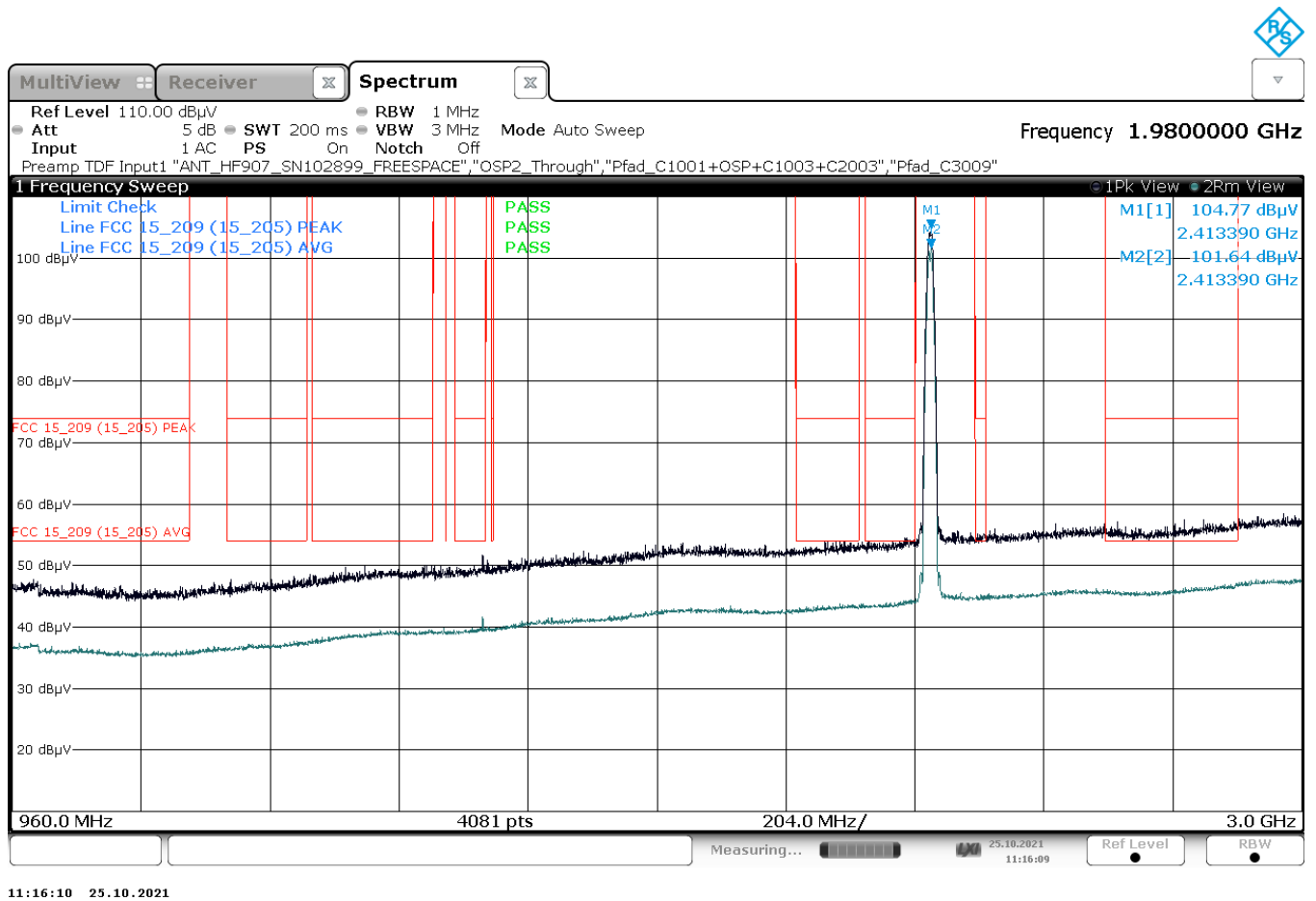
Plot 90: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
244.589000	25.98	46.00	20.02	100.0	120.000	100.0	V	328.0
784.223500	24.21	46.00	21.79	100.0	120.000	136.0	V	20.0

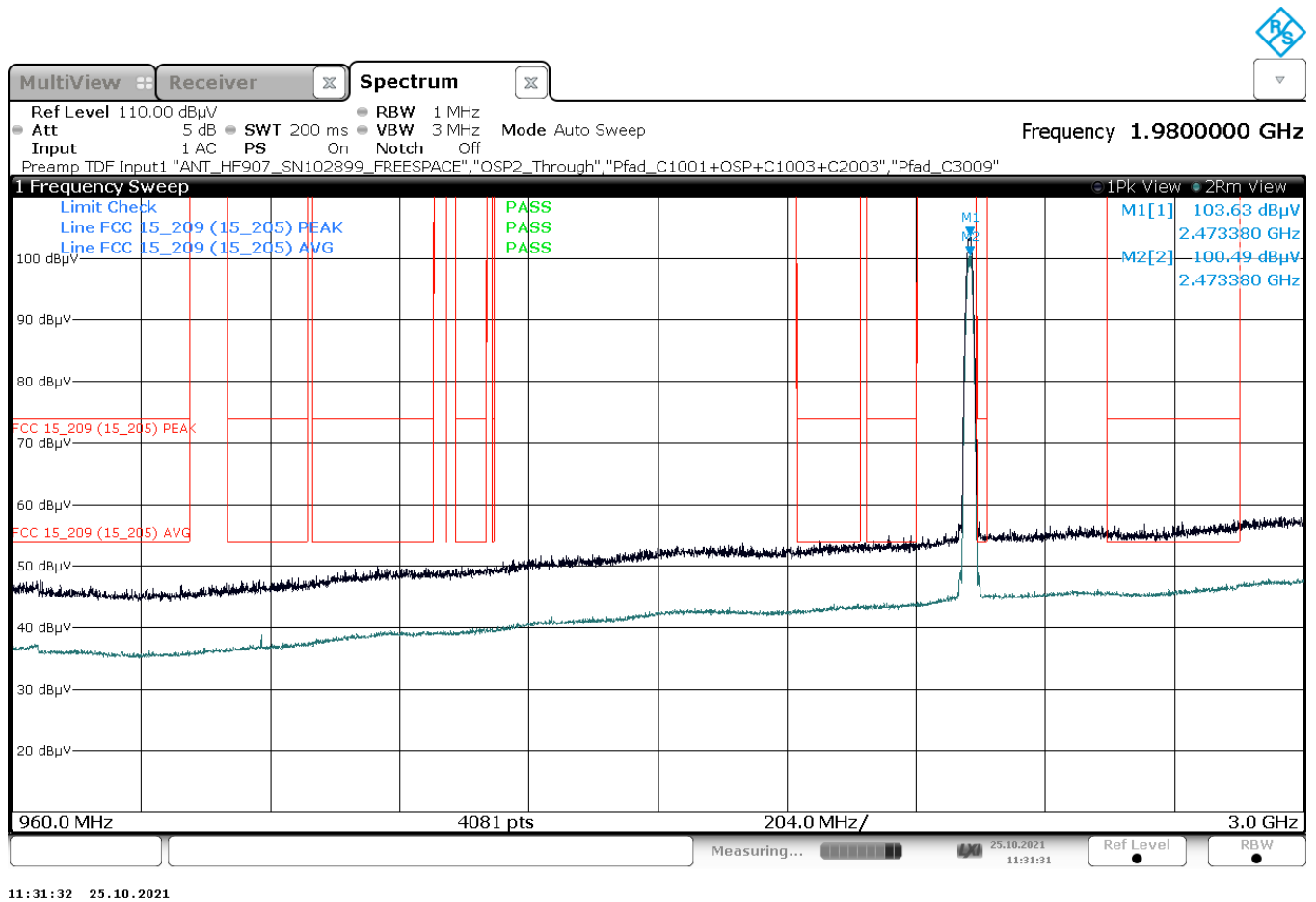
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Plot 91: Mode 1, RSE 1 GHz – 3 GHz, low channel, horizontal / vertical polarisation



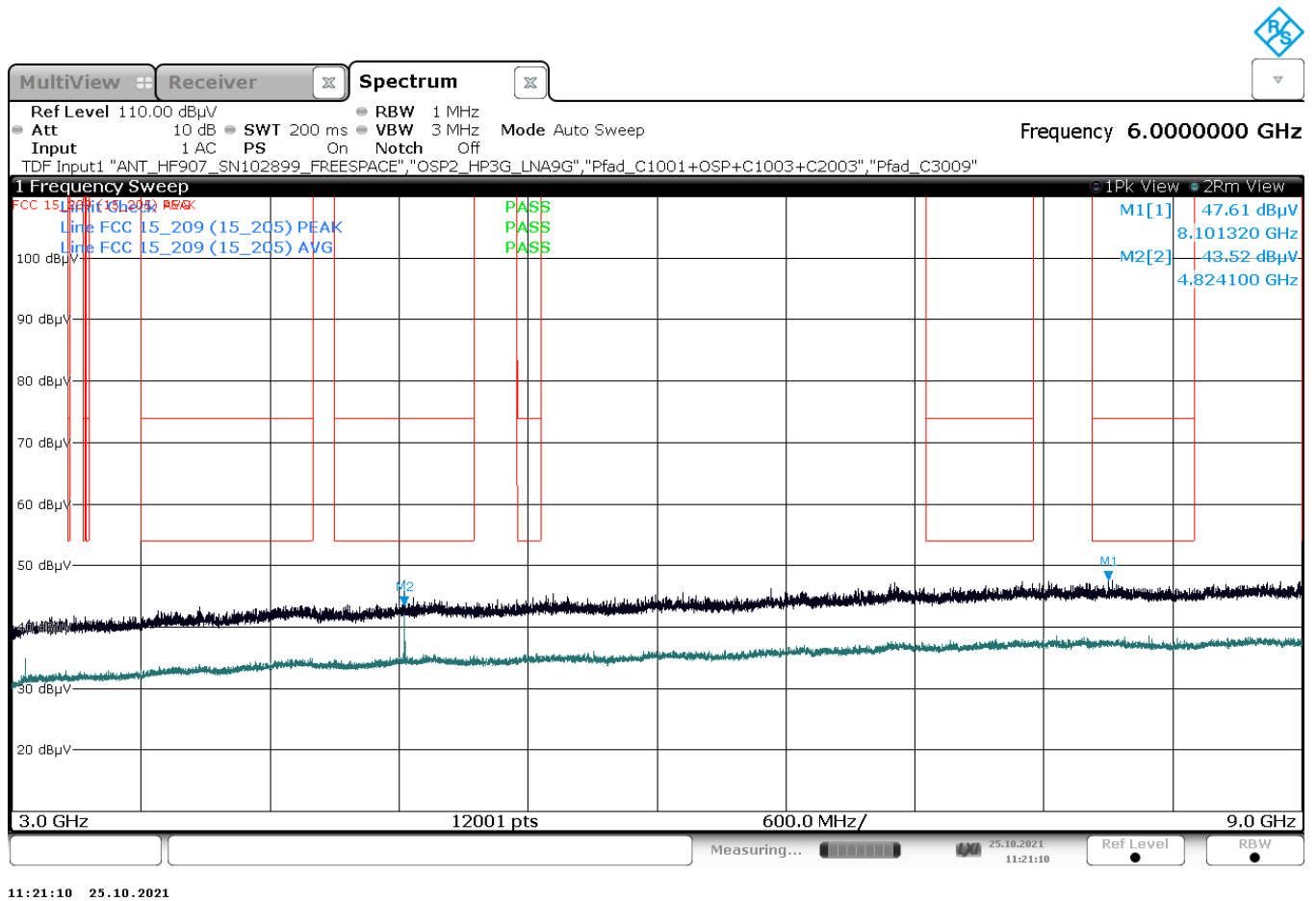
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Plot 92: Mode 1, RSE 1 GHz – 3 GHz, high channel, horizontal / vertical polarisation



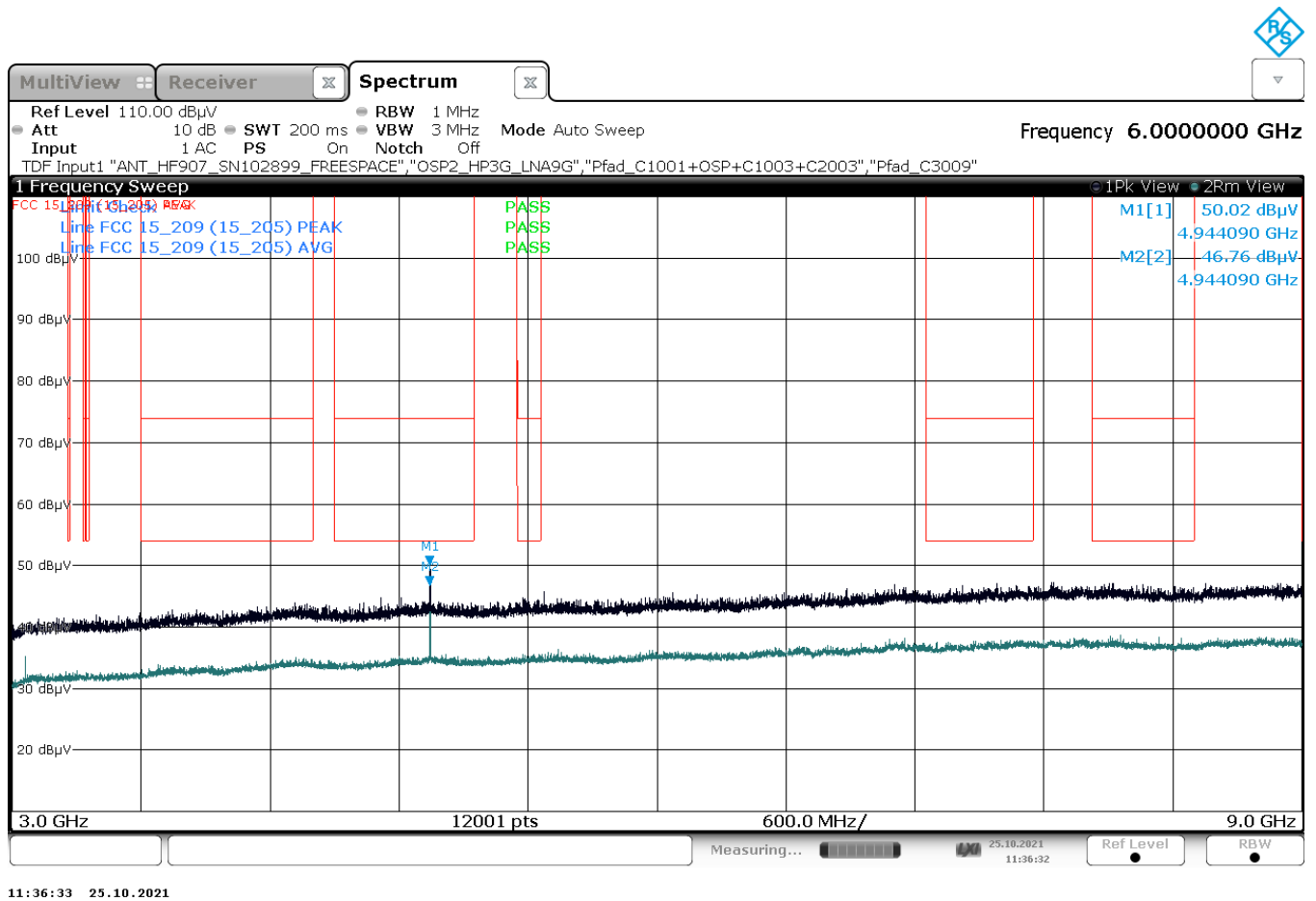
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Plot 93: Mode 1, RSE 3 GHz – 9 GHz, low channel, horizontal / vertical polarisation



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Plot 94: Mode 1, RSE 3 GHz – 9 GHz, high channel, horizontal / vertical polarisation



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

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

DUT Information

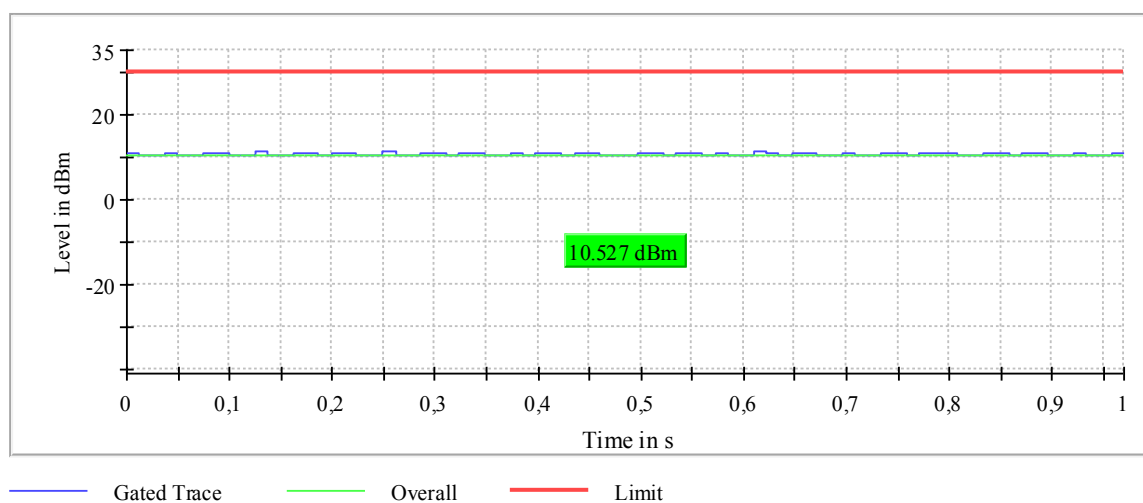
DUT Name: prePV 54
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65703

Plot 95: Mode 1, AVGPM-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	10.5	30.0	10.5	97.998	PASS

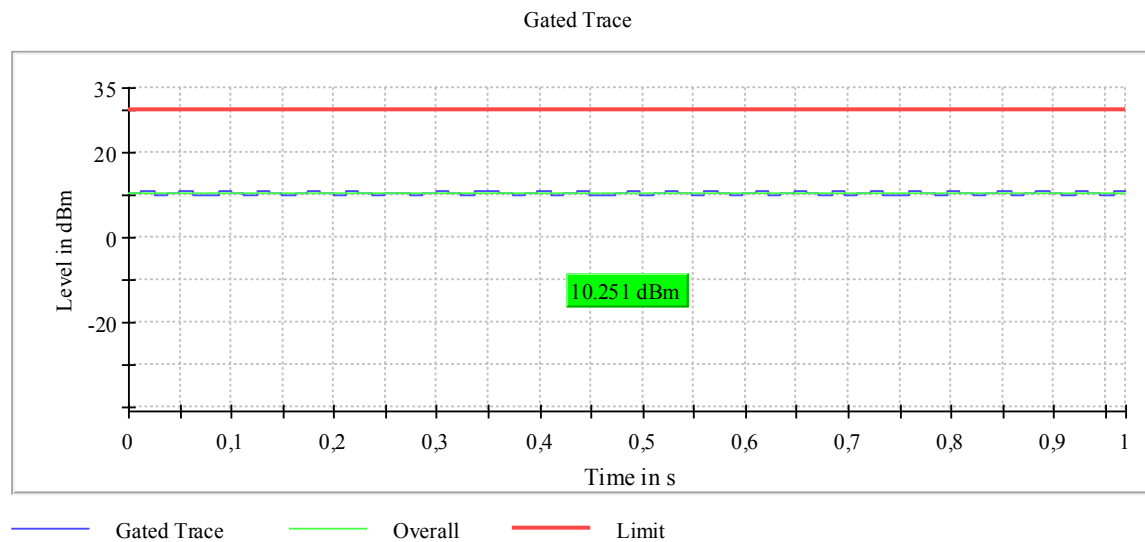
Gated Trace



Plot 96: Mode 1, AVGPM-G Gated Average Power Measurement, mid channel

Result

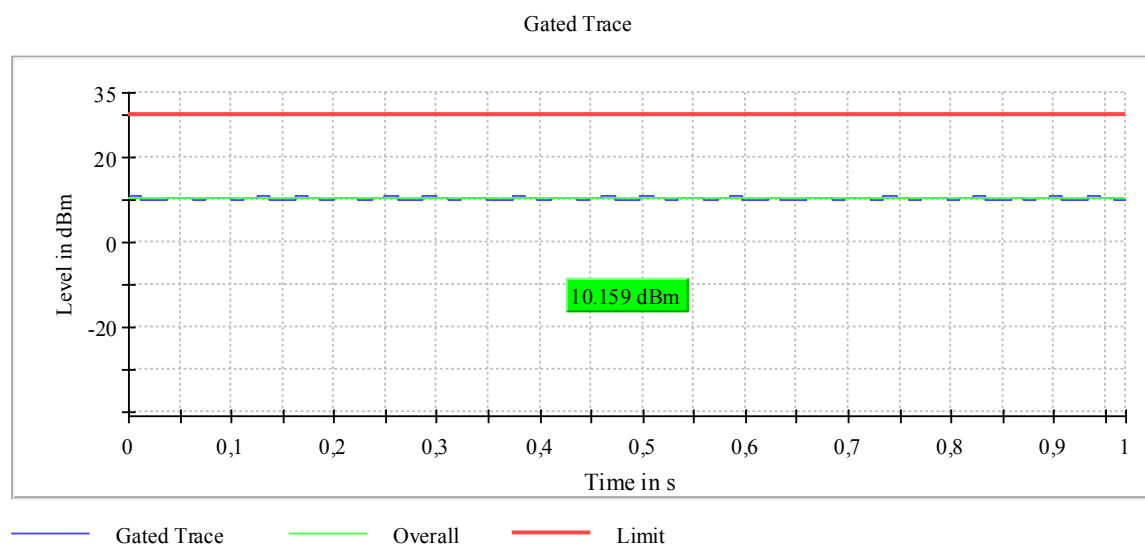
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2442.000000	10.3	30.0	10.3	98.144	PASS



Plot 97: Mode 1, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2472.000000	10.2	30.0	10.2	98.028	PASS



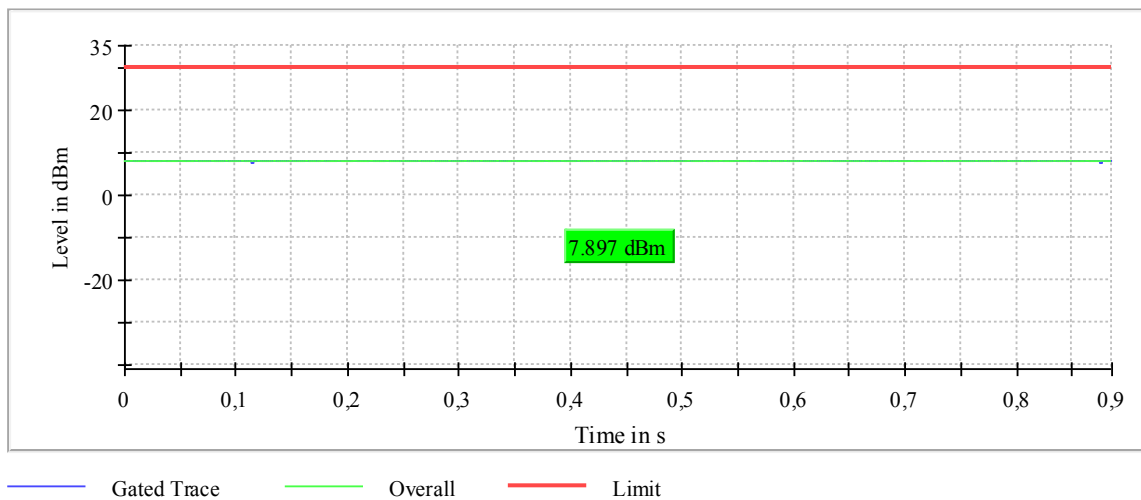
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Plot 98: Mode 2, AVGPM-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	7.9	30.0	7.9	88.730	PASS

Gated Trace

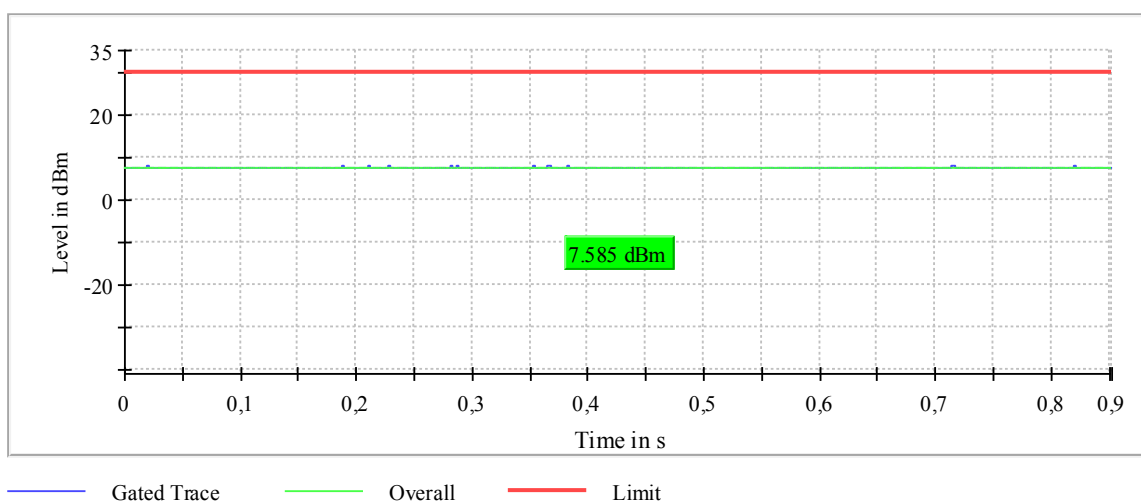


Plot 99: Mode 2, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2442.000000	7.6	30.0	7.6	85.836	PASS

Gated Trace

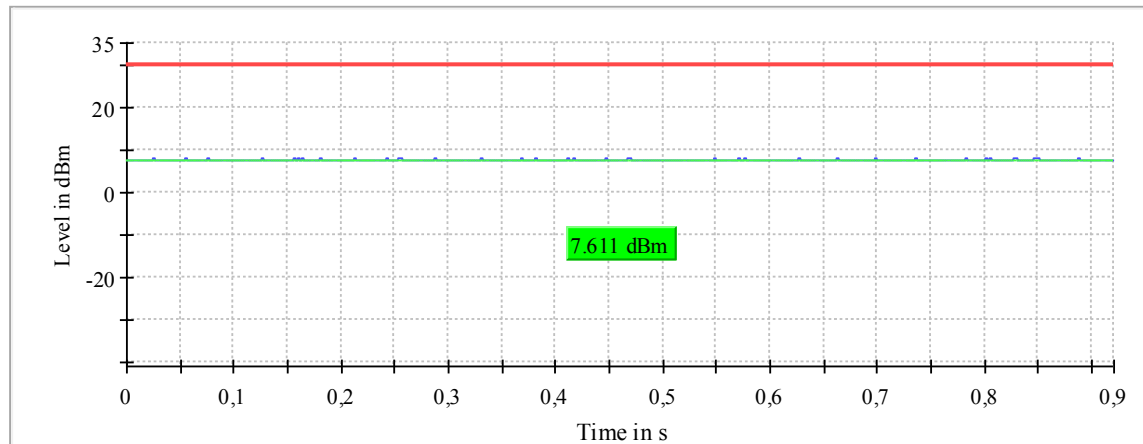


Plot 100: Mode 2, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2472.000000	7.6	30.0	7.6	92.421	PASS

Gated Trace

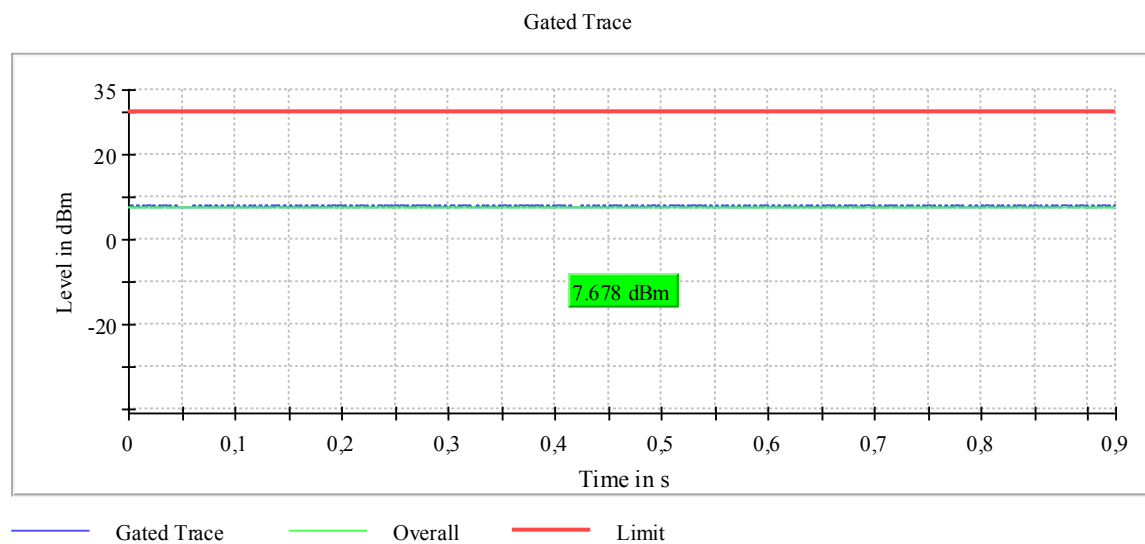


— Gated Trace — Overall — Limit

Plot 101: Mode 3, AVGPM-G Gated Average Power Measurement, low channel

Result

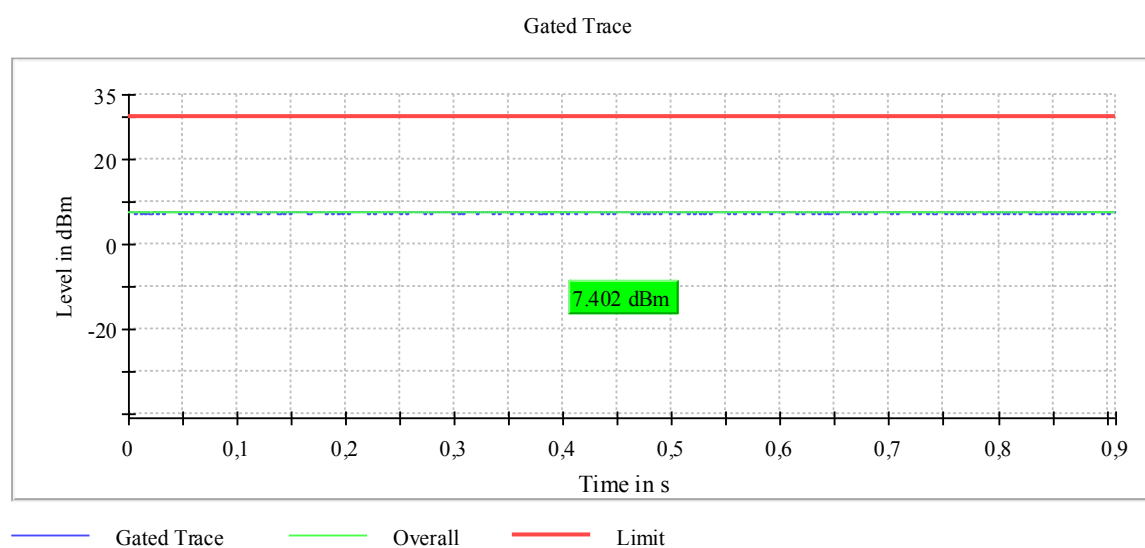
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2412.000000	7.7	30.0	7.7	92.913	PASS



Plot 102: Mode 3, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2442.000000	7.4	30.0	7.4	90.940	PASS

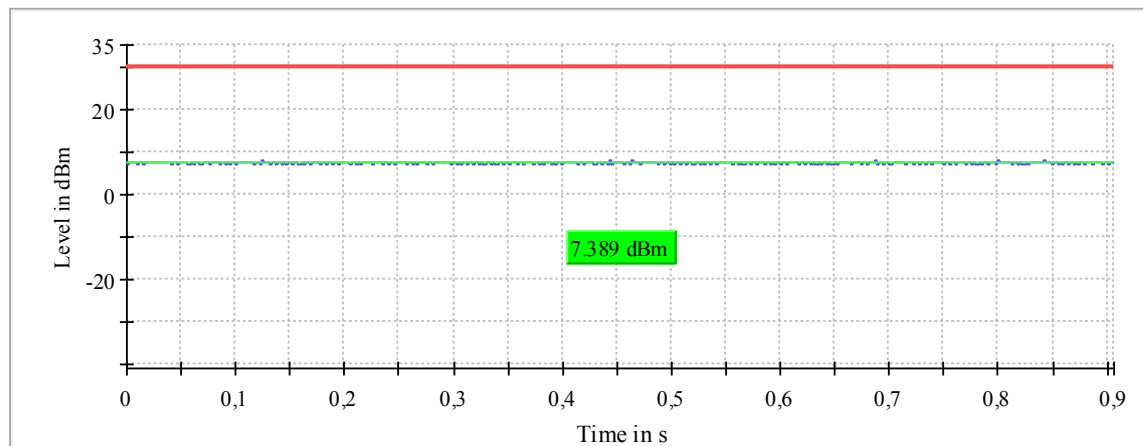


Plot 103: Mode 3, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
2472.000000	7.4	30.0	7.4	90.850	PASS

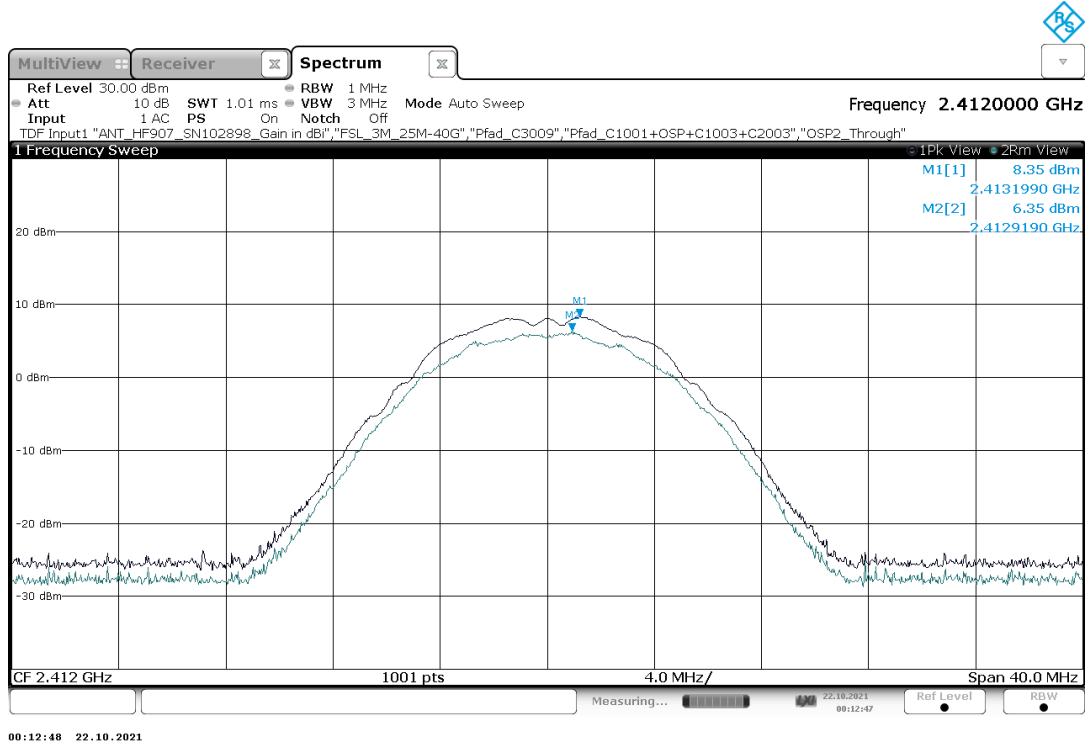
Gated Trace



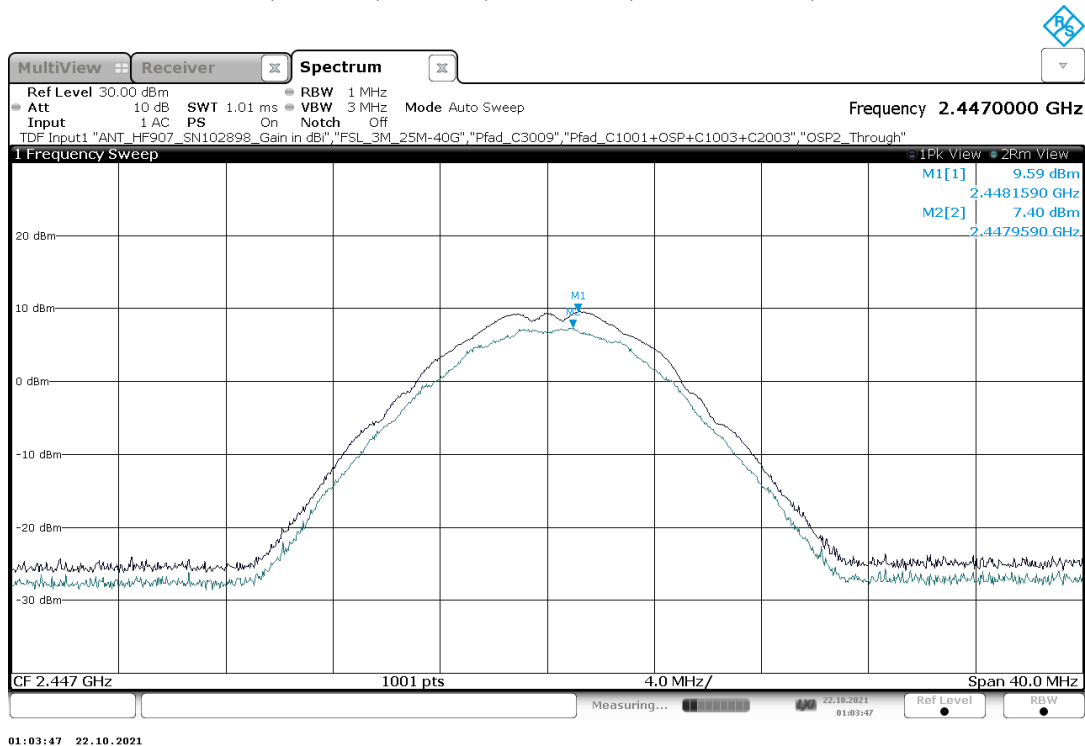
— Gated Trace — Overall — Limit

2.7.2 Radiated Peak Power (Peak EIRP)

Plot 104: Test Mode 1, DBPSK, 1 Mbit/s, Peak EIRP, low channel 1, 2412 MHz

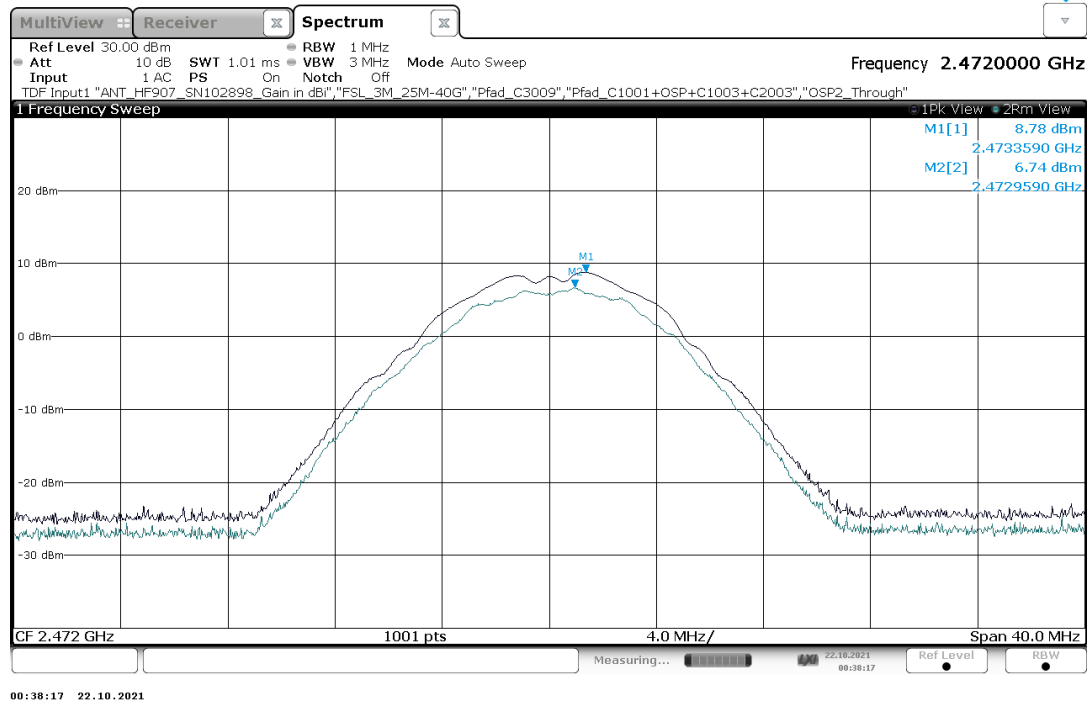


Plot 105: Test Mode 1, DBPSK, 1 Mbit/s, Peak EIRP, mid channel 8, 2447 MHz



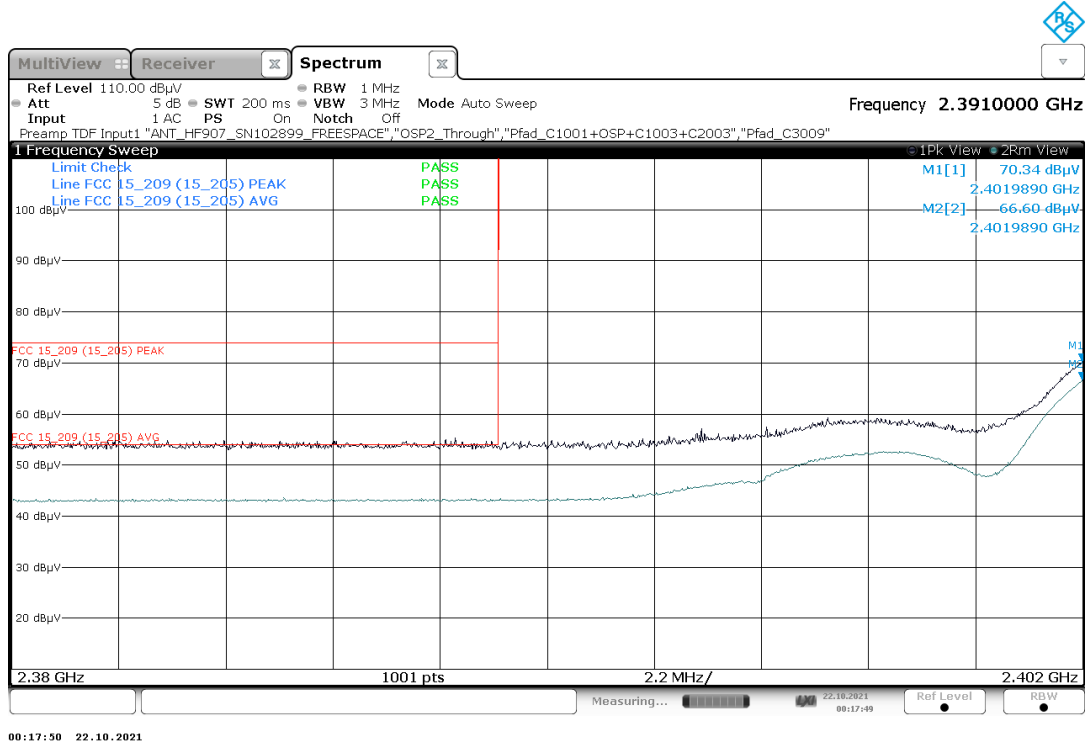
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Plot 106: Test Mode 1, DBPSK, 1 Mbit/s, Peak EIRP, high channel 13, 2472 MHz

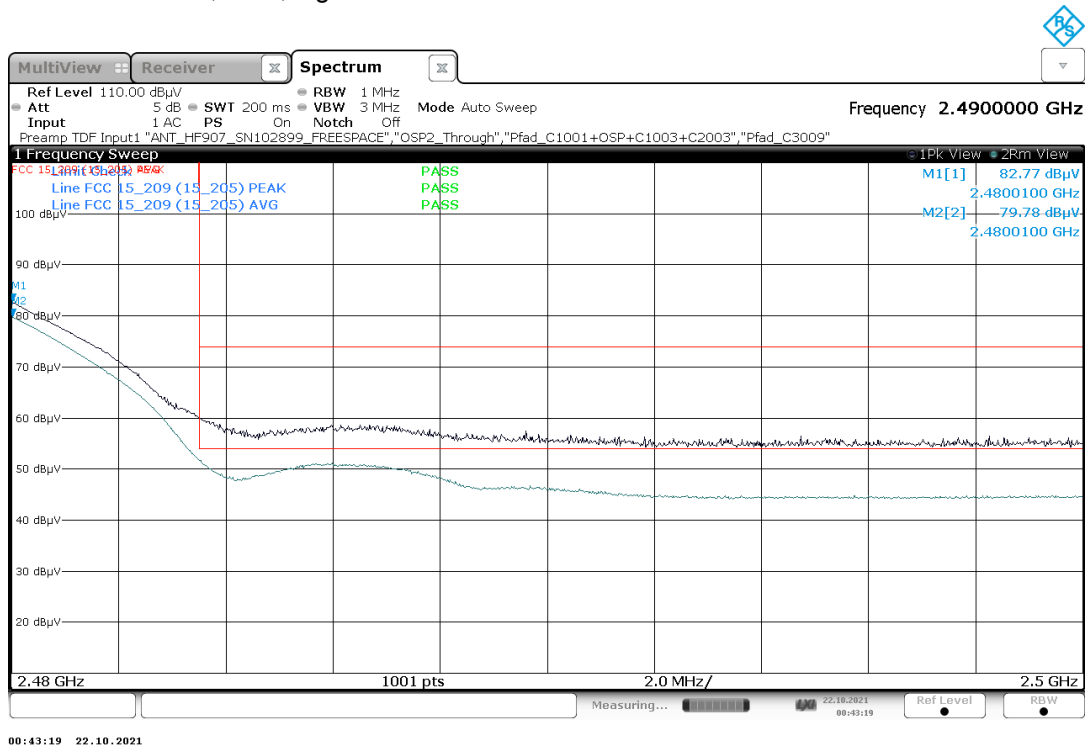


2.7.3 Band Edge Compliance (BEC), radiated

Plot 107: Mode 1, BEC, low channel 1

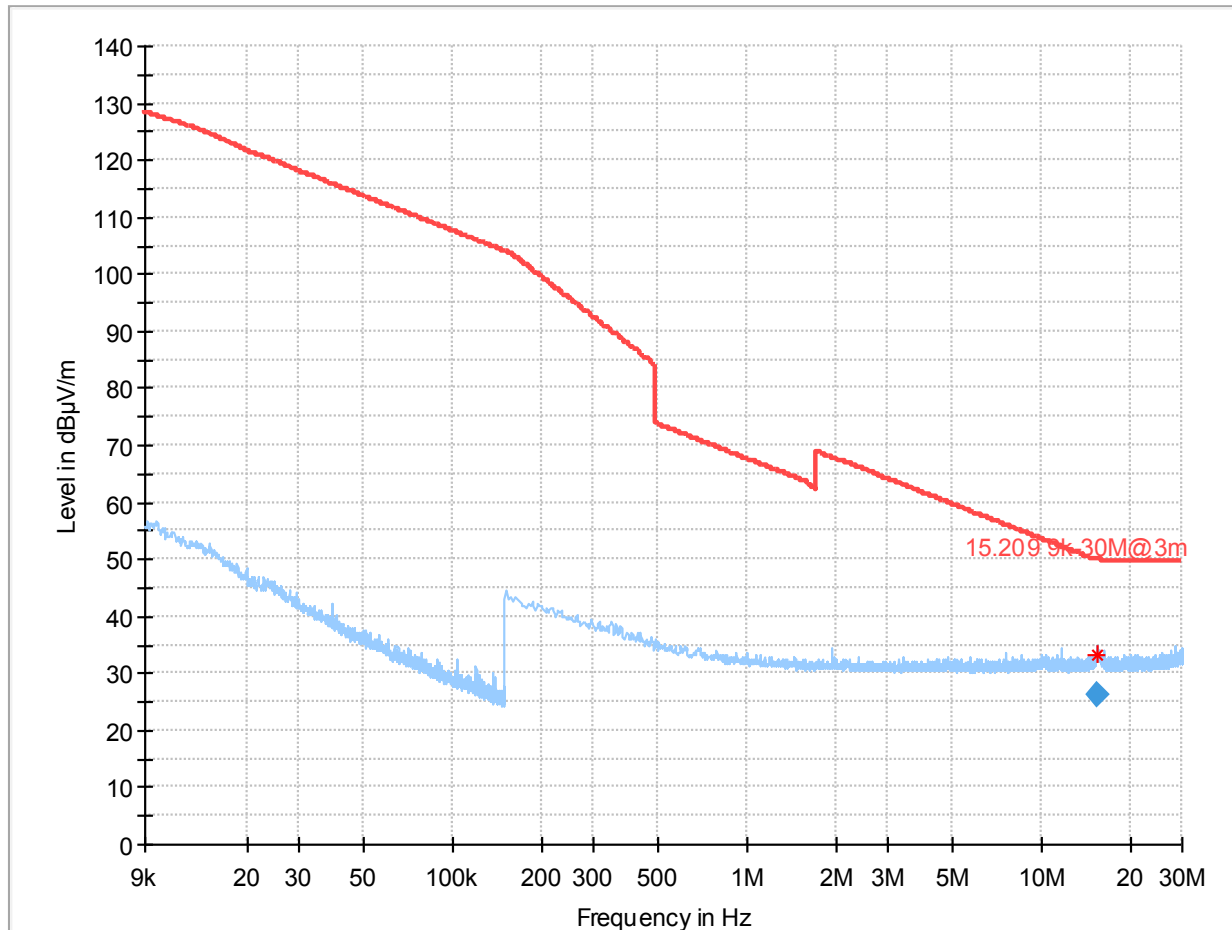


Plot 108: Mode 1, BEC, high channel 13



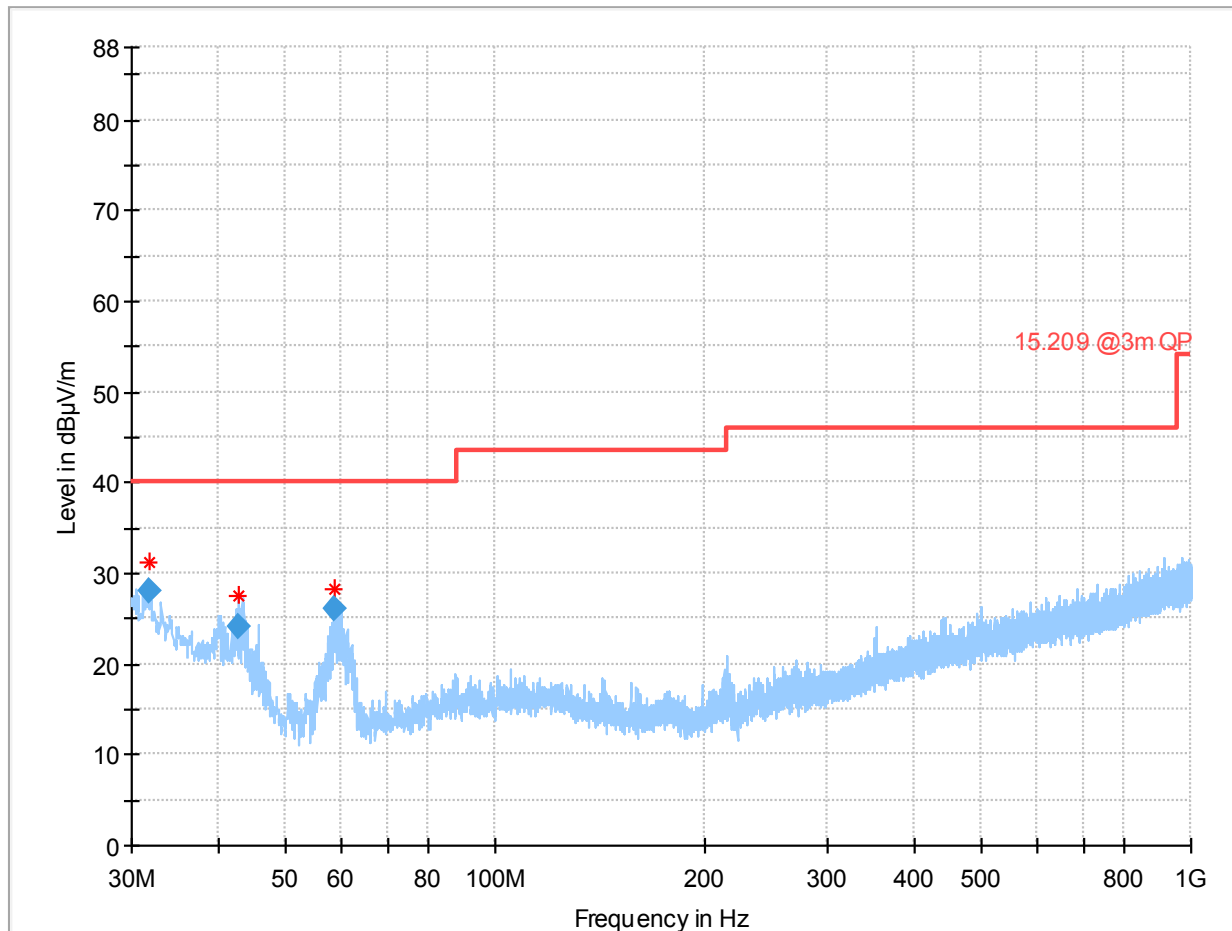
2.7.4 Radiated Spurious Emissions (RSE)

Plot 109: Mode 1, RSE 9 kHz – 30 MHz, low channel, loop antenna



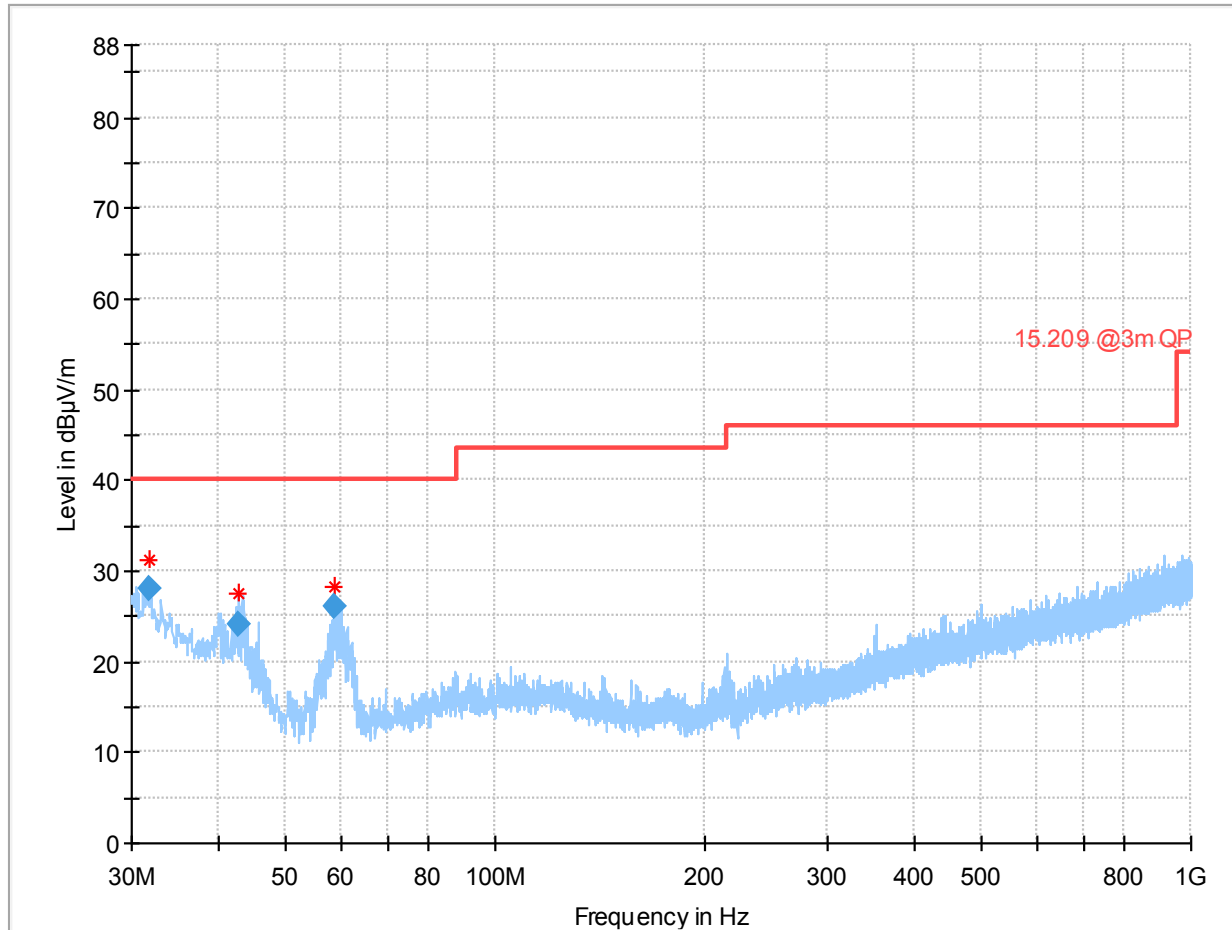
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
15.528750	26.21	50.03	23.82	100.0	9.000	H	30.0	20.5

Plot 110: Mode 1, RSE 9 kHz – 30 MHz, high channel, loop antenna



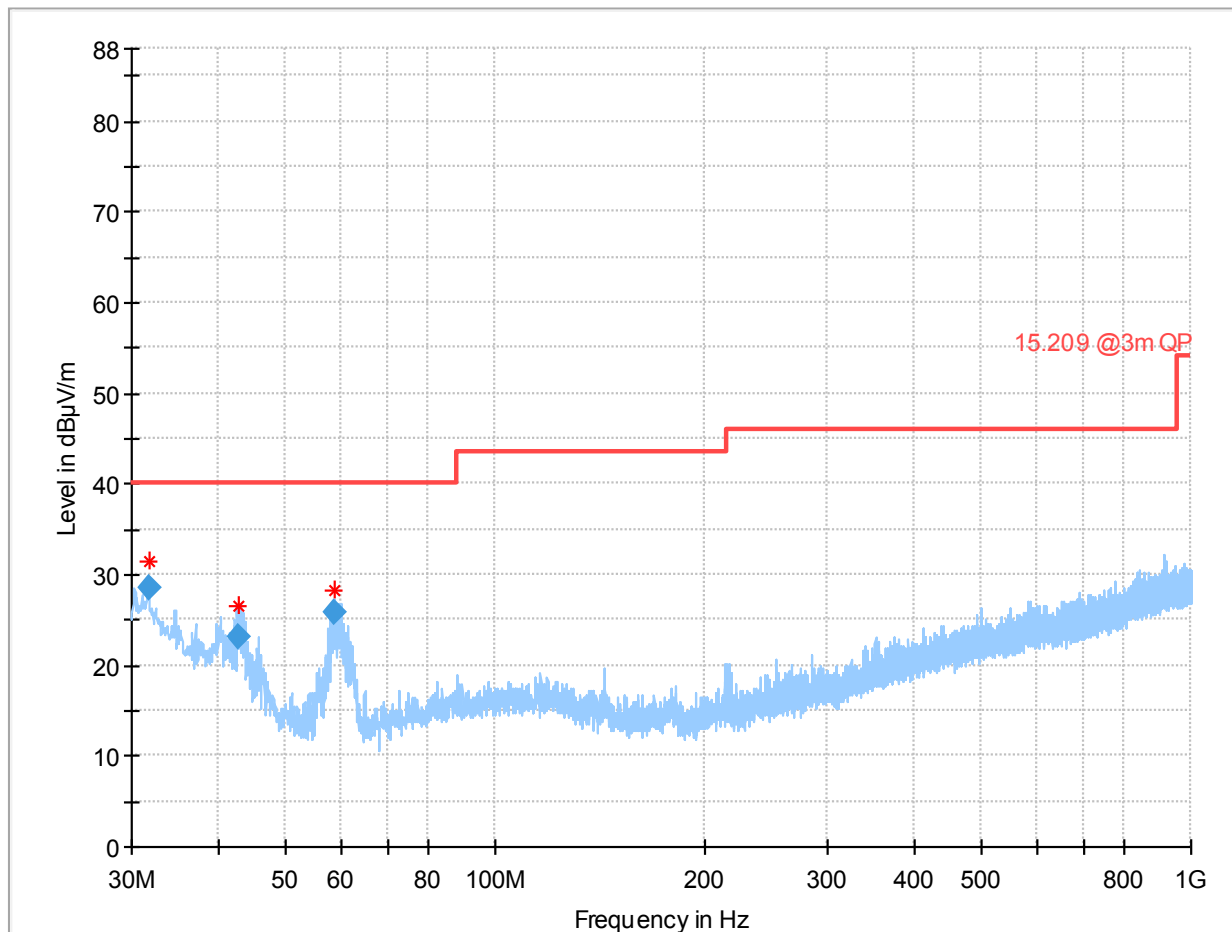
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
31.827000	28.03	40.00	11.97	100.0	120.000	350.0	H	195.0
42.765500	24.19	40.00	15.81	100.0	120.000	100.0	V	271.0
58.948500	25.96	40.00	14.04	100.0	120.000	138.0	V	289.0

Plot 111: 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)
31.827000	28.03	40.00	11.97	100.0	120.000	350.0	H	195.0
42.765500	24.19	40.00	15.81	100.0	120.000	100.0	V	271.0
58.948500	25.96	40.00	14.04	100.0	120.000	138.0	V	289.0

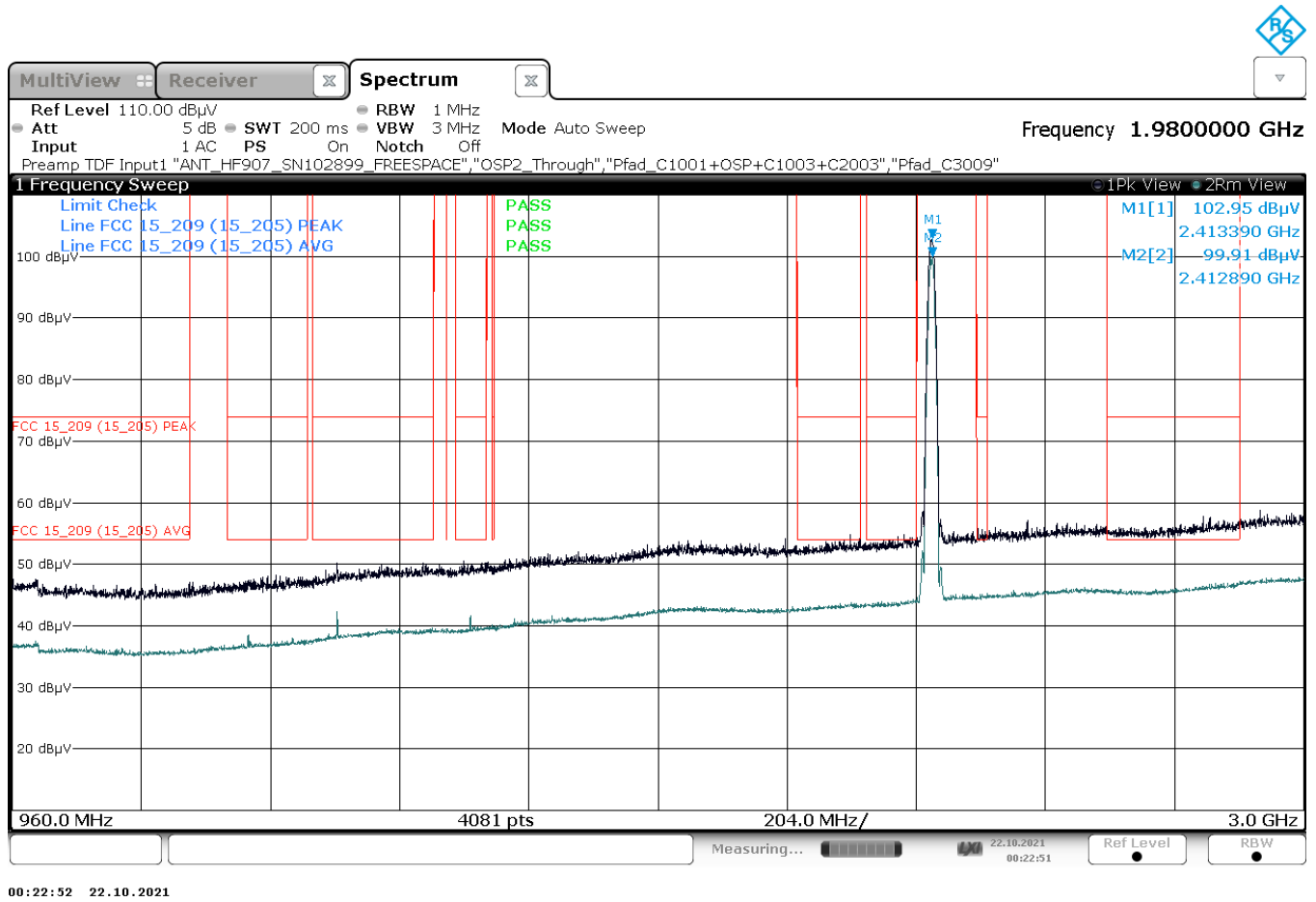
Plot 112: Mode 1, RSE 30 MHz – 1 GHz, high channel, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
31.827000	28.53	40.00	11.47	100.0	120.000	350.0	H	7.0
42.748000	23.18	40.00	16.82	100.0	120.000	148.0	V	43.0
58.931000	25.91	40.00	14.09	100.0	120.000	138.0	V	70.0

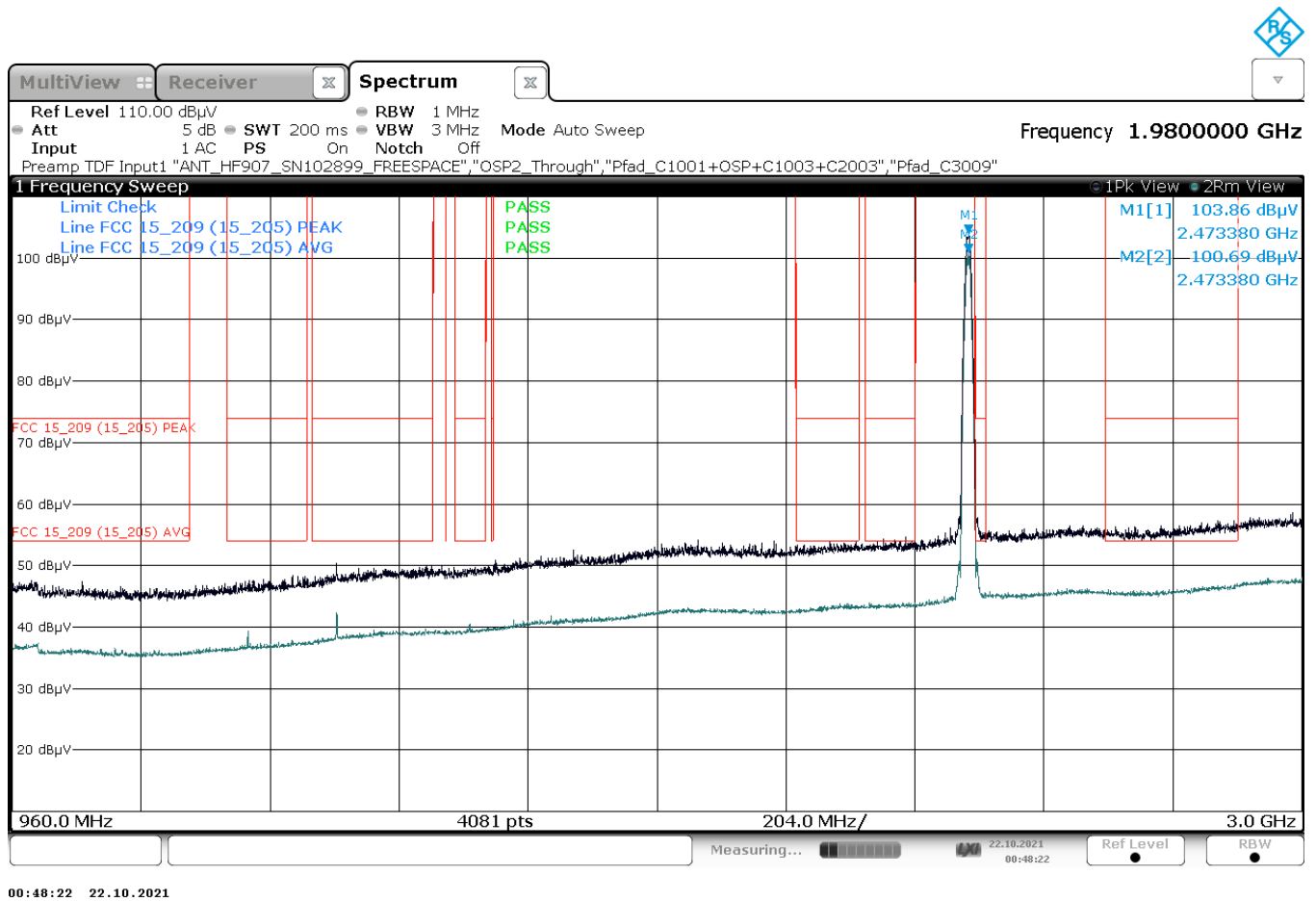
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Plot 113: Mode 1, RSE 1 GHz – 3 GHz, low channel, horizontal / vertical polarisation



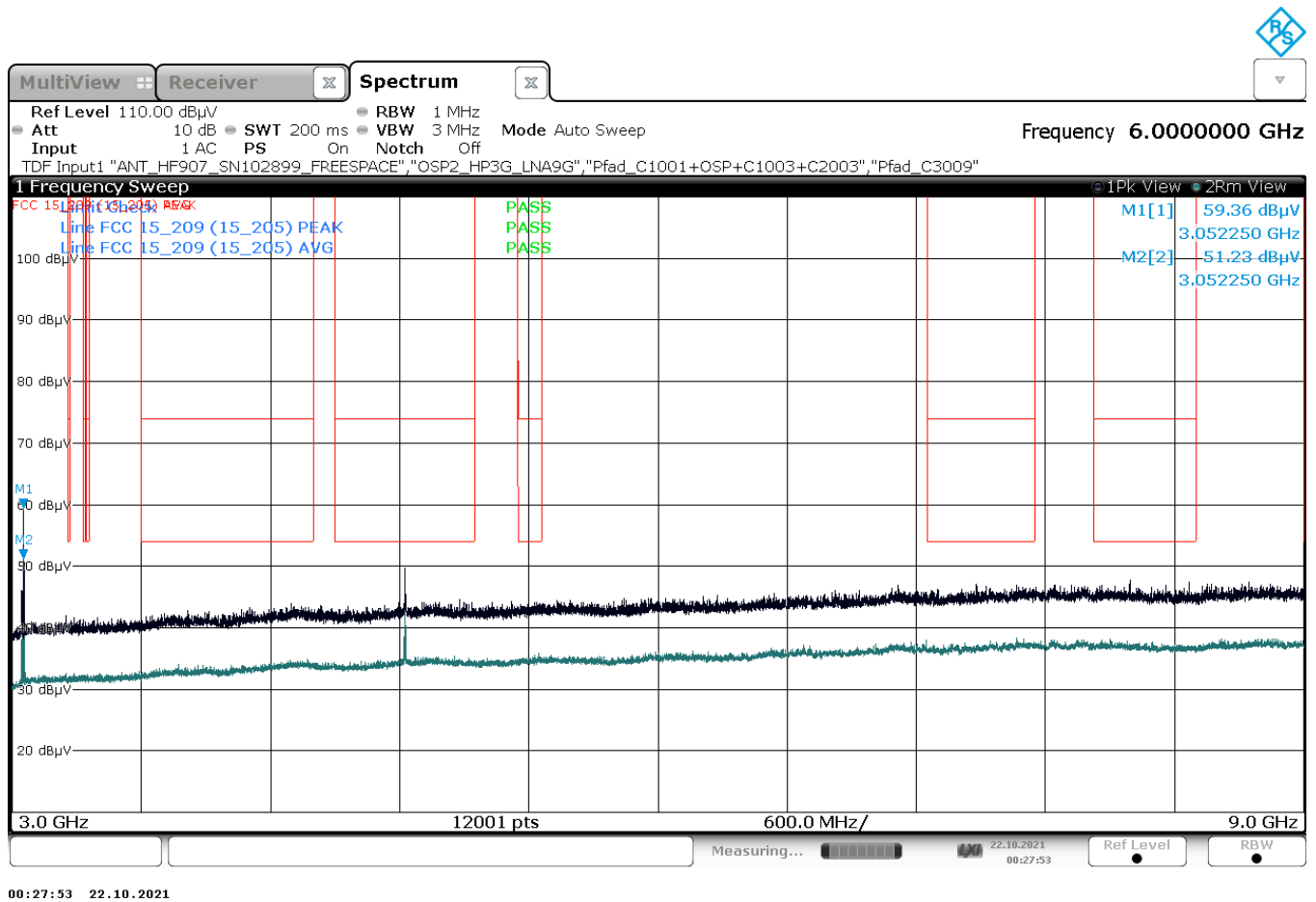
Annex A of TR no.: 21086128-23002-1

Plot 114: Mode 1, RSE 1 GHz – 3 GHz, high channel, horizontal / vertical polarisation



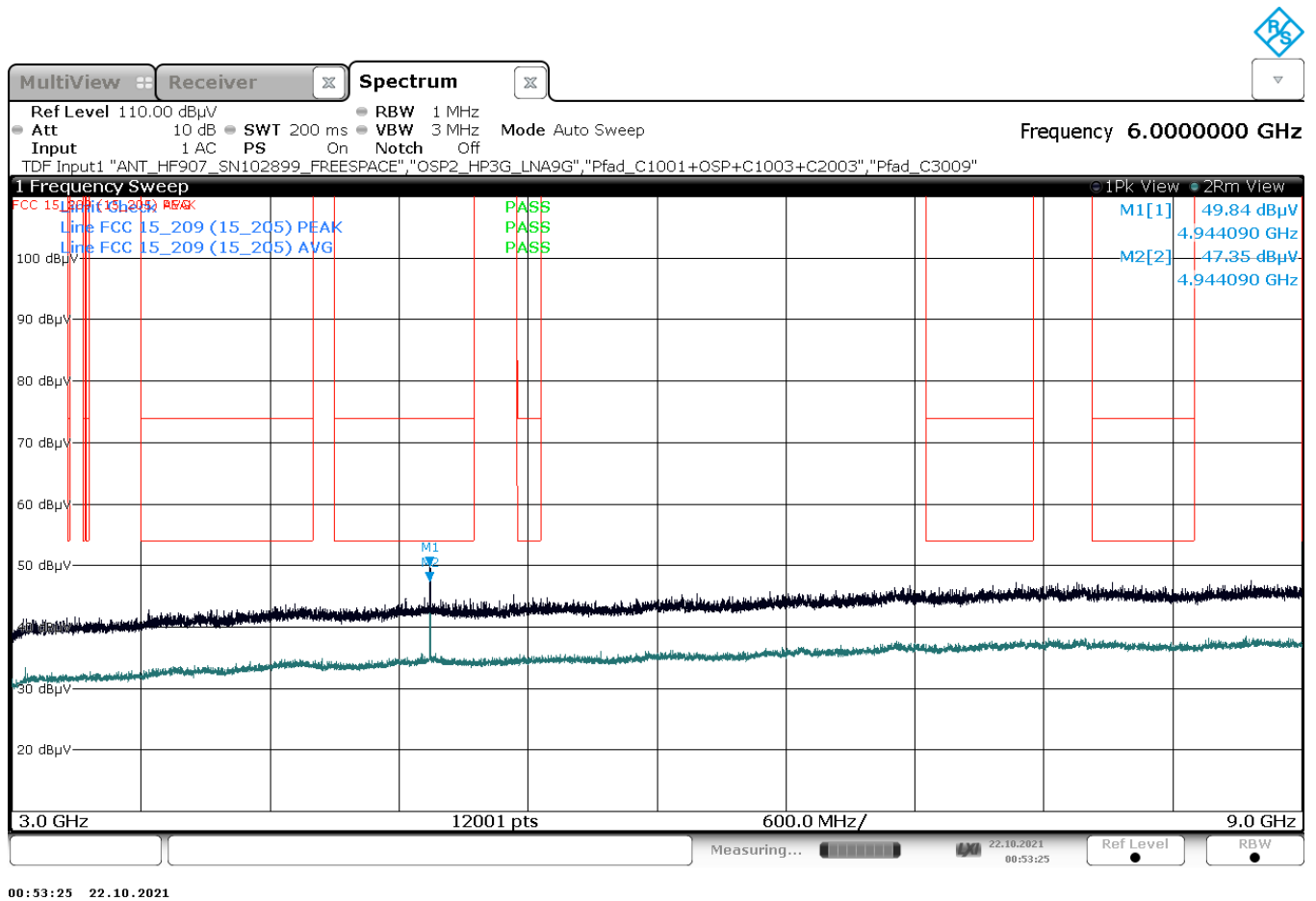
Annex A of TR no.: 21086128-23002-1

Plot 115: Mode 1, RSE 3 GHz – 9 GHz, low channel, horizontal / vertical polarisation



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Plot 116: Mode 1, RSE 3 GHz – 9 GHz, high channel, horizontal / vertical polarisation



Plot 117: Mode 1, RSE 9 GHz – 18 GHz, low channel, horizontal / vertical polarisation

