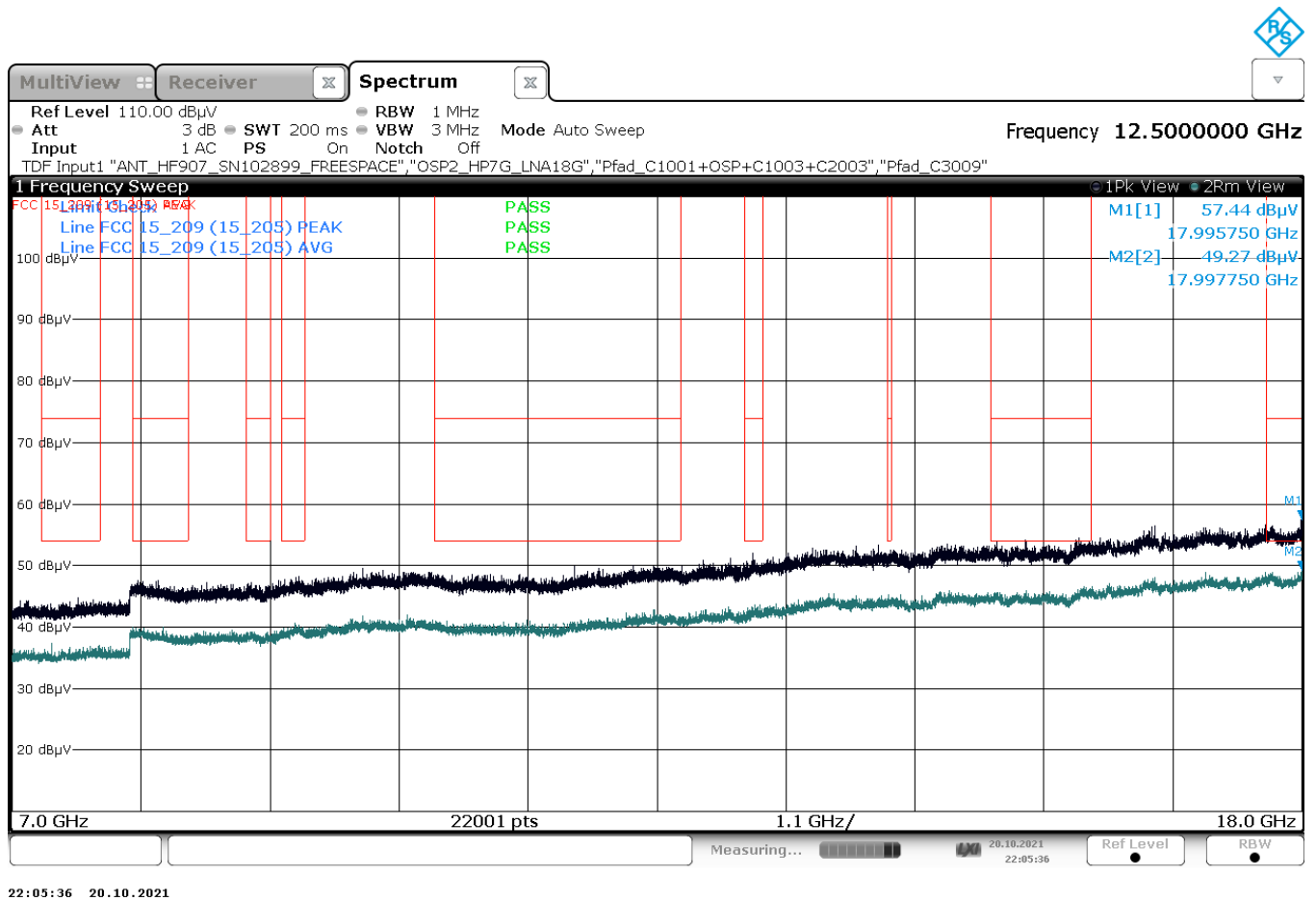
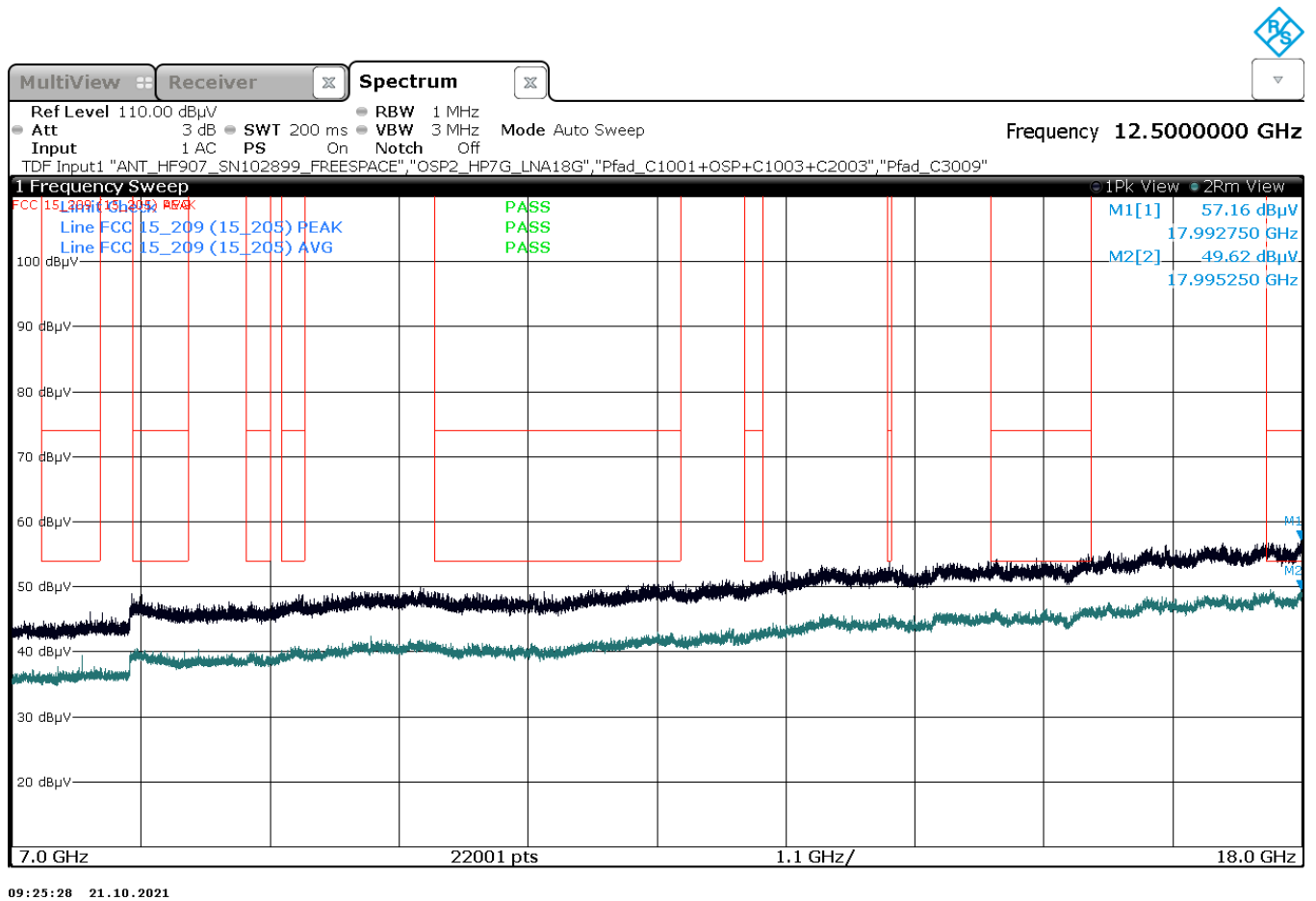


Plot 101: Mode 1, RSE 7 GHz – 18 GHz, channel 100, horizontal / vertical polarisation



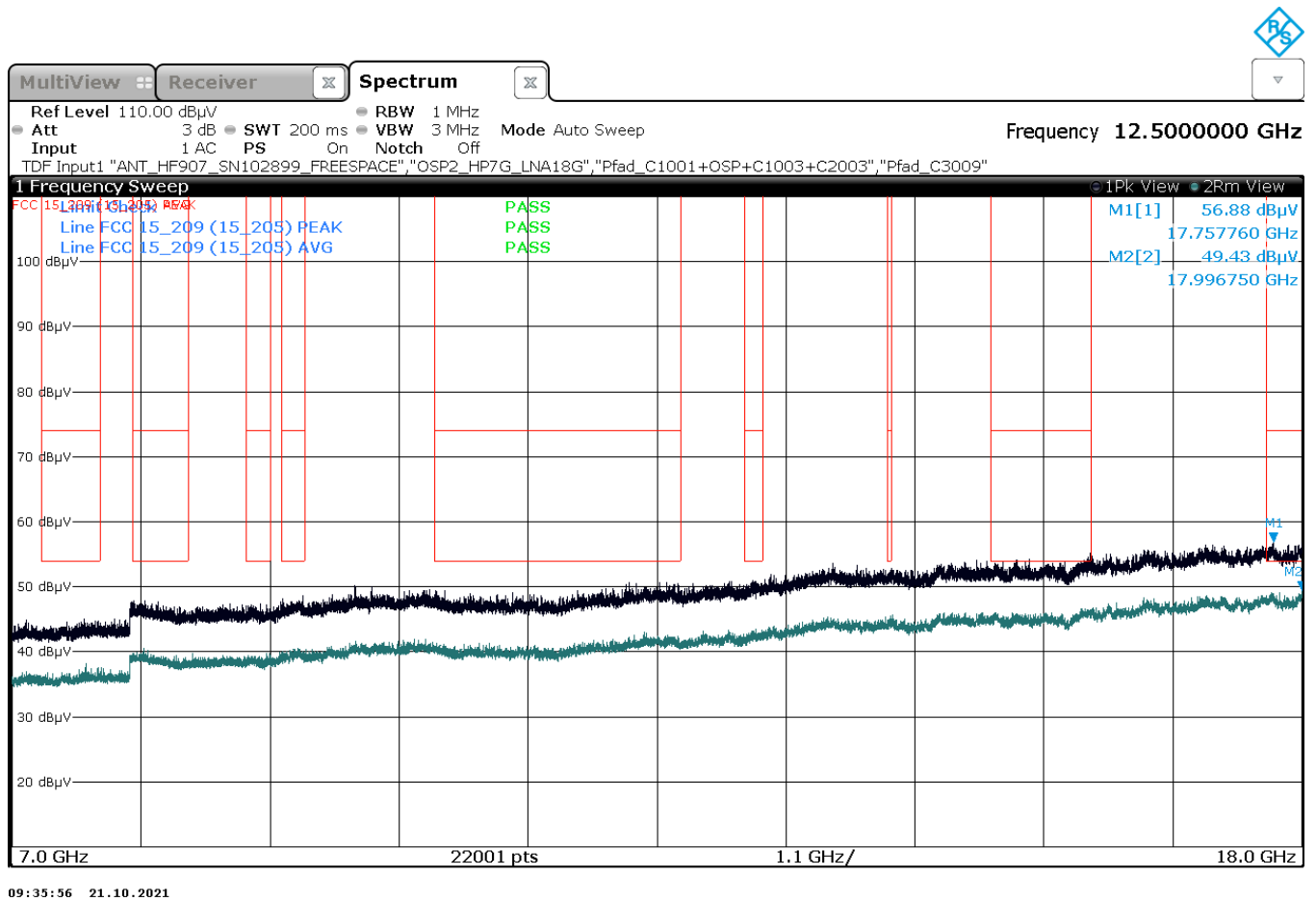
Annex A of TR no.: 21086128-23003-1

Plot 102: Mode 1, RSE 7 GHz – 18 GHz, channel 140, horizontal / vertical polarisation



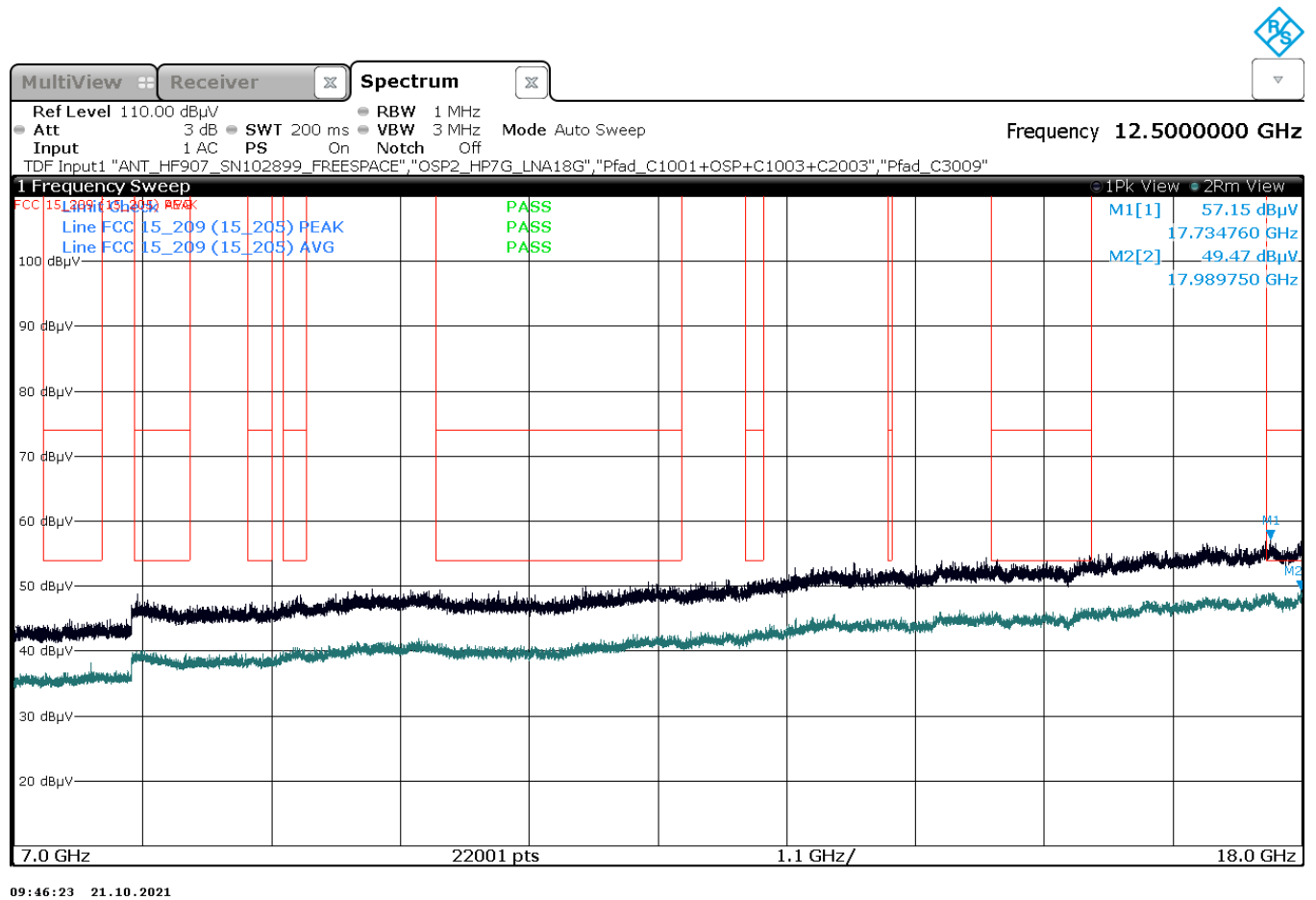
Annex A of TR no.: 21086128-23003-1

Plot 103: Mode 1, RSE 7 GHz – 18 GHz, channel 144, horizontal / vertical polarisation



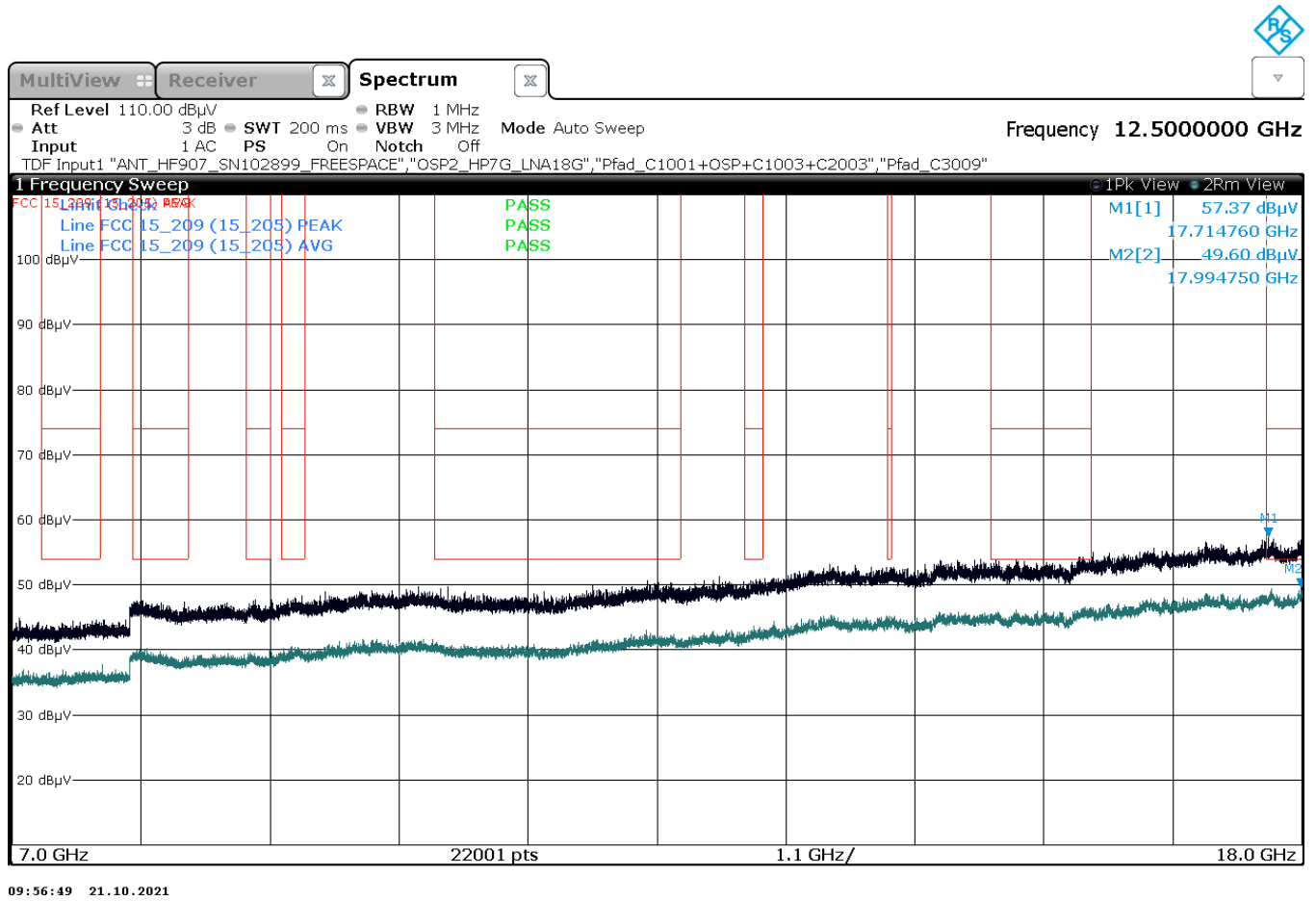
Annex A of TR no.: 21086128-23003-1

Plot 104: Mode 1, RSE 7 GHz – 18 GHz, channel 149, horizontal / vertical polarisation



Annex A of TR no.: 21086128-23003-1

Plot 105: Mode 1, RSE 7 GHz – 18 GHz, channel 165, horizontal / vertical polarisation



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 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013

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

DUT Information

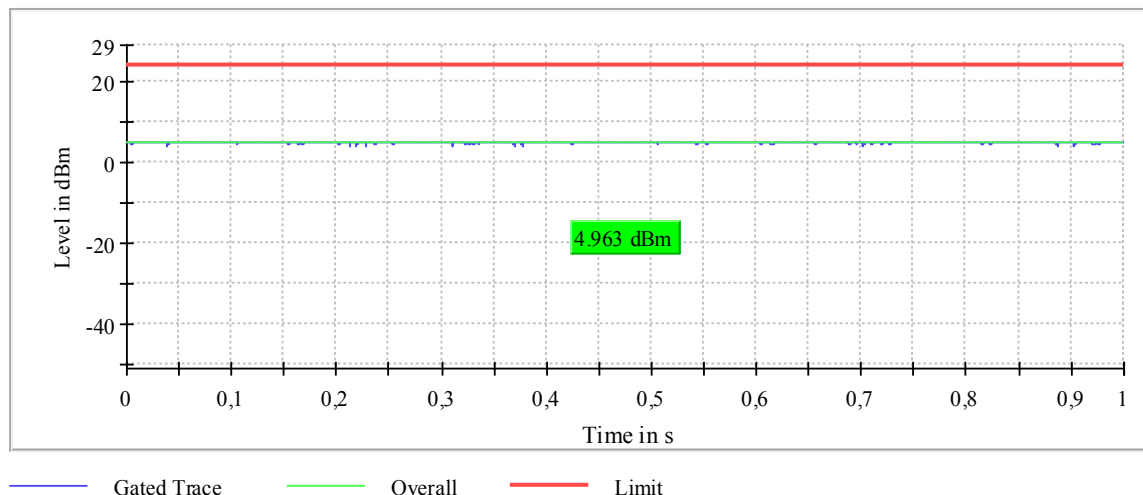
DUT Name: prePV 50
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 65016

Plot 106: Mode 1, U-NII-1, AVGP-M-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5180.000000	5.0	24.0	5.0	95.157	PASS

Gated Trace

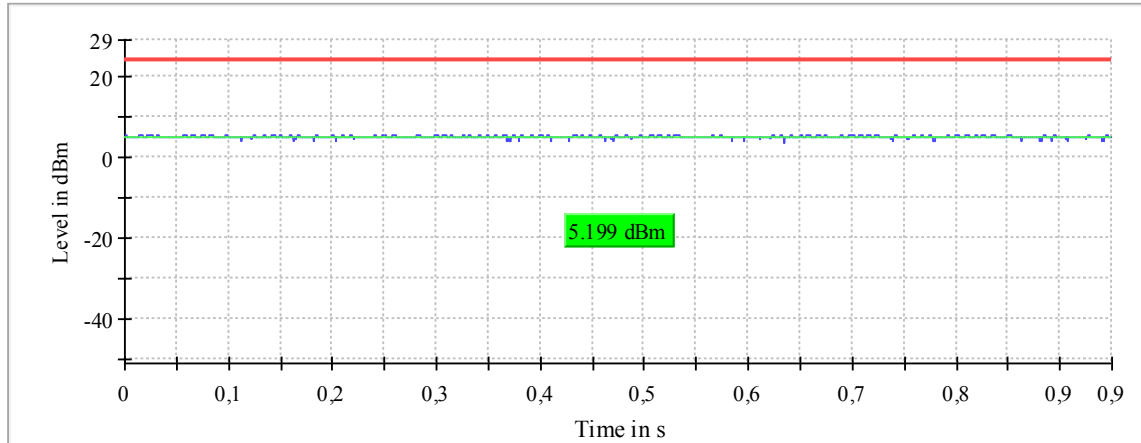


Plot 107: Mode 1, U-NII-1, AVGP-M-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5220.000000	5.2	24.0	5.2	95.217	PASS

Gated Trace



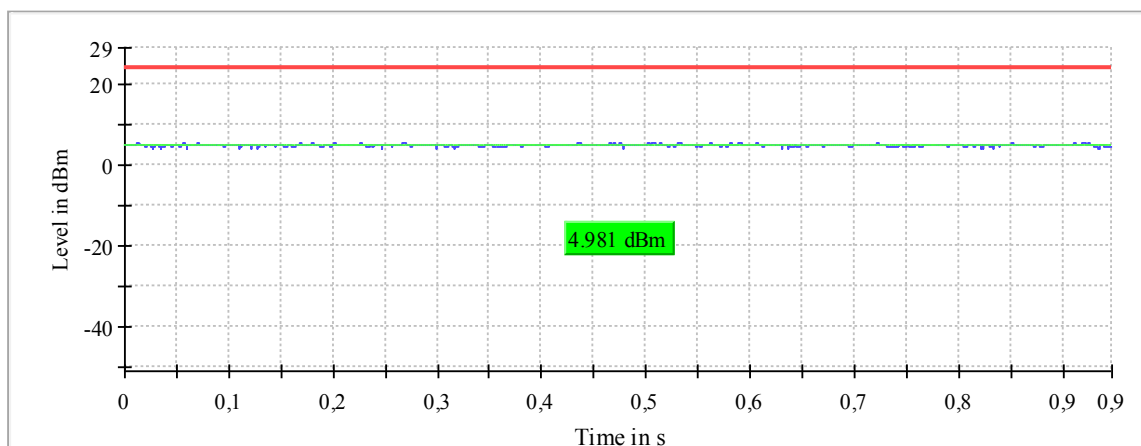
— Gated Trace — Overall — Limit

Plot 108: Mode 1, U-NII-1, AVGP-M-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5240.000000	5.0	24.0	5.0	95.116	PASS

Gated Trace

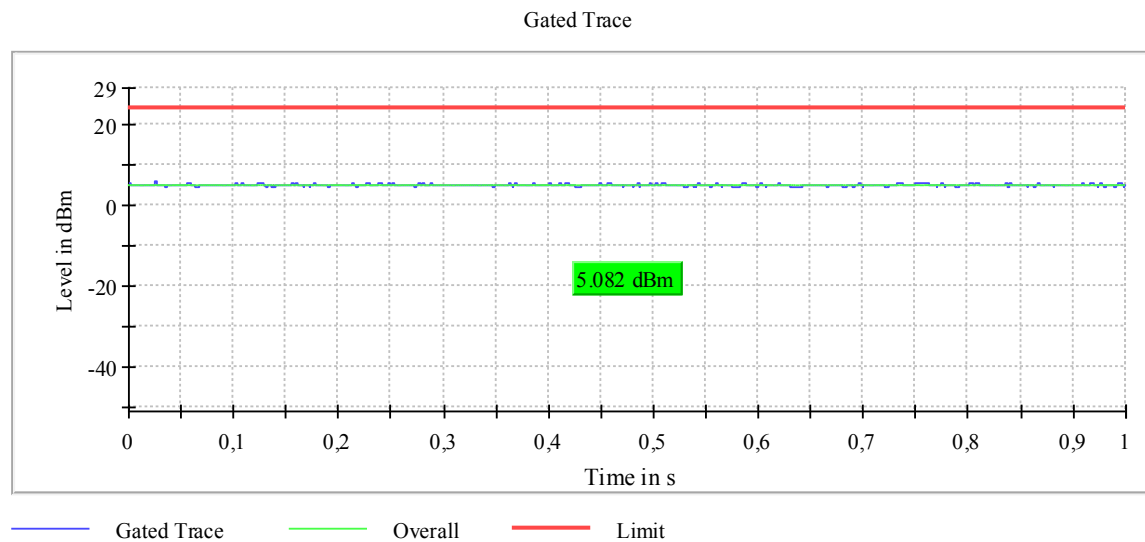


— Gated Trace — Overall — Limit

Plot 109: Mode 1, U-NII-2A, AVGP-M-G Gated Average Power Measurement, low channel

Result

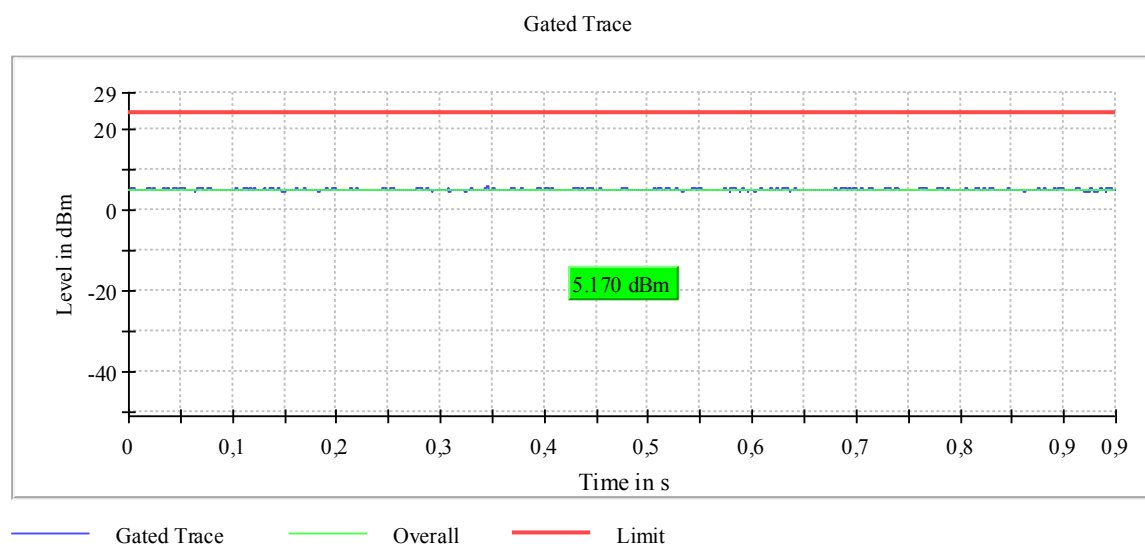
DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5260.000000	5.1	24.0	5.1	95.355	PASS



Plot 110: Mode 1, U-NII-2A, AVGP-M-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	5.2	24.0	5.2	95.281	PASS

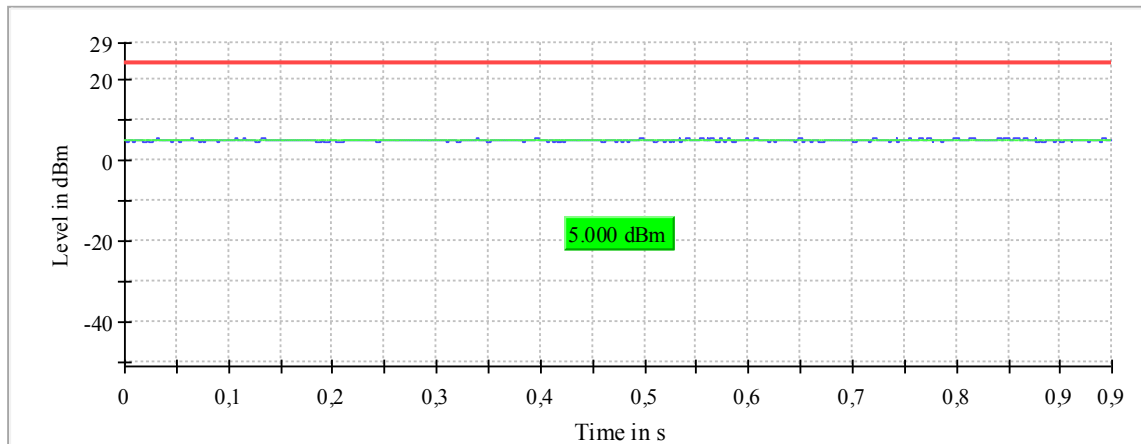


Plot 111: Mode 1, U-NII-2A, AVGP-M-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5320.000000	5.0	24.0	5.0	95.211	PASS

Gated Trace



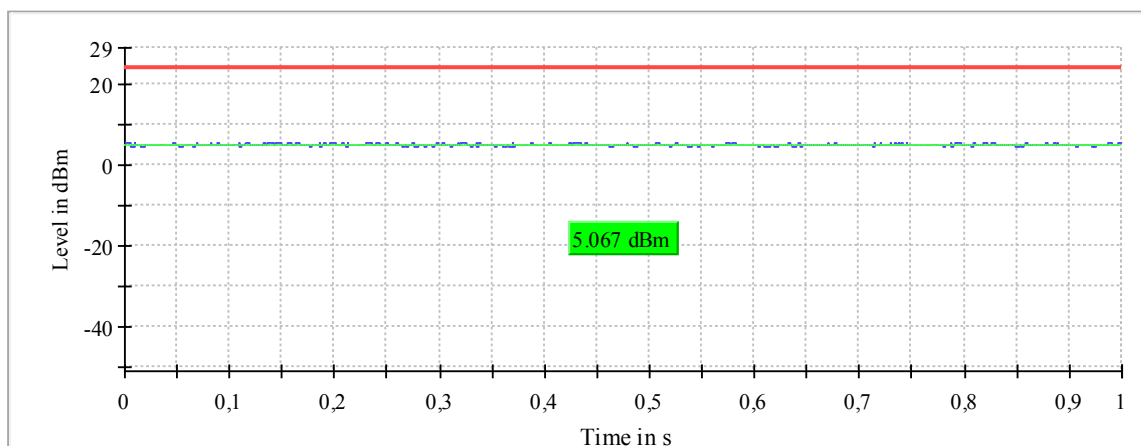
— Gated Trace — Overall — Limit

Plot 112: Mode 1, U-NII-2C, AVGP-M-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5500.000000	5.1	24.0	5.1	95.200	PASS

Gated Trace



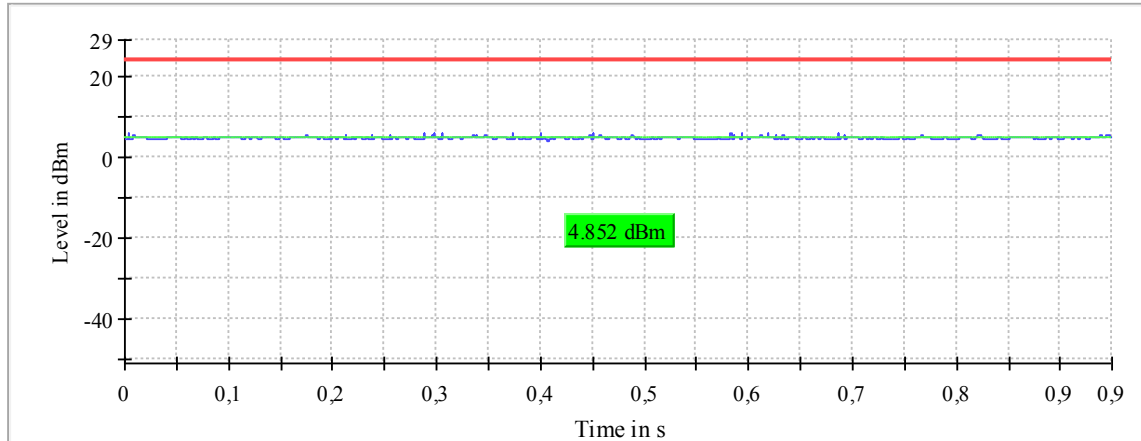
— Gated Trace — Overall — Limit

Plot 113: Mode 1, U-NII-2C, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5600.000000	4.9	24.0	4.9	95.162	PASS

Gated Trace



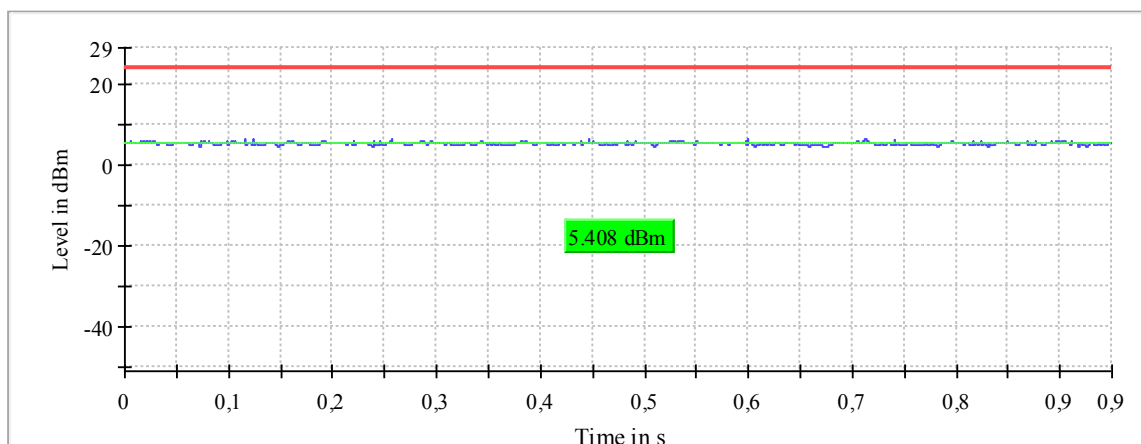
— Gated Trace — Overall — Limit

Plot 114: Mode 1, U-NII-2C, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5700.000000	5.4	24.0	5.4	95.171	PASS

Gated Trace



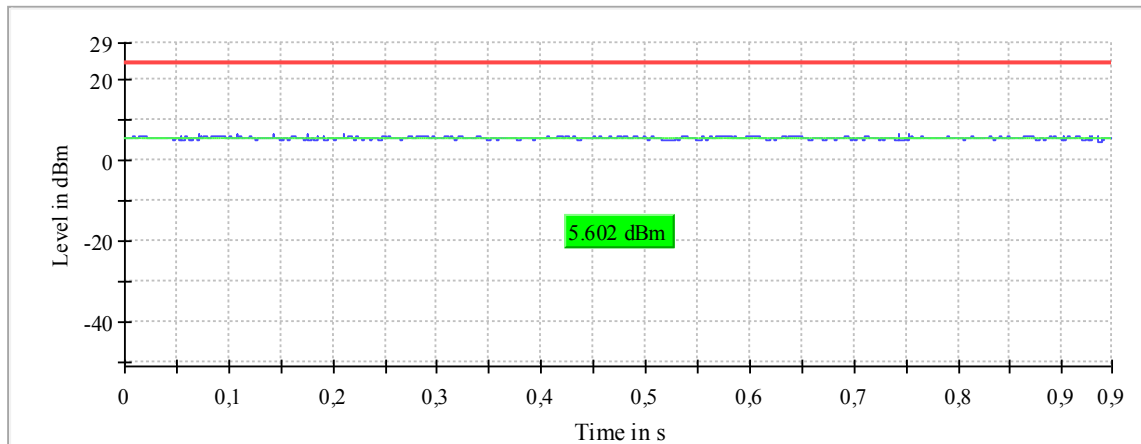
— Gated Trace — Overall — Limit

Plot 115: Mode 1, U-NII-2C, AVGPM-G Gated Average Power Measurement, channel 144

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5720.000000	5.6	24.0	5.6	94.908	PASS

Gated Trace



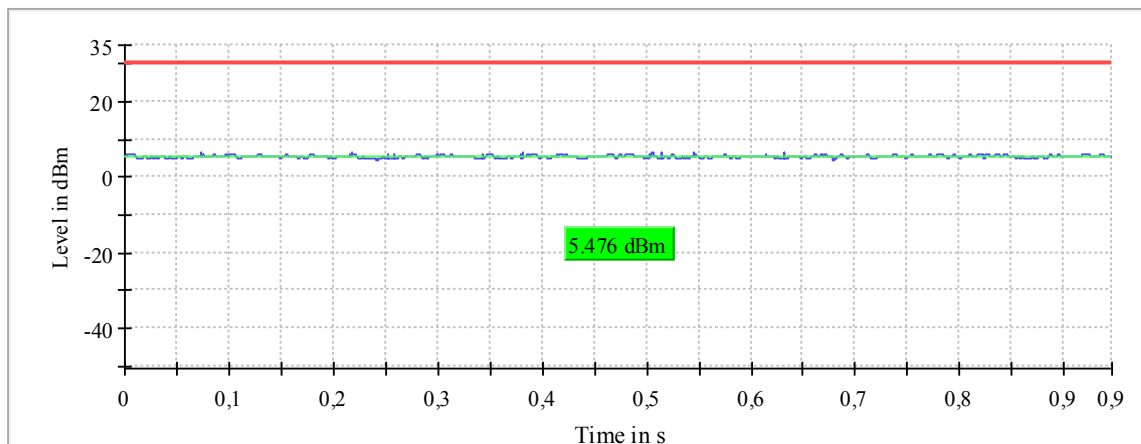
— Gated Trace — Overall — Limit

Plot 116: Mode 1, U-NII-3, AVGPM-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5745.000000	5.5	30.0	5.5	94.911	PASS

Gated Trace



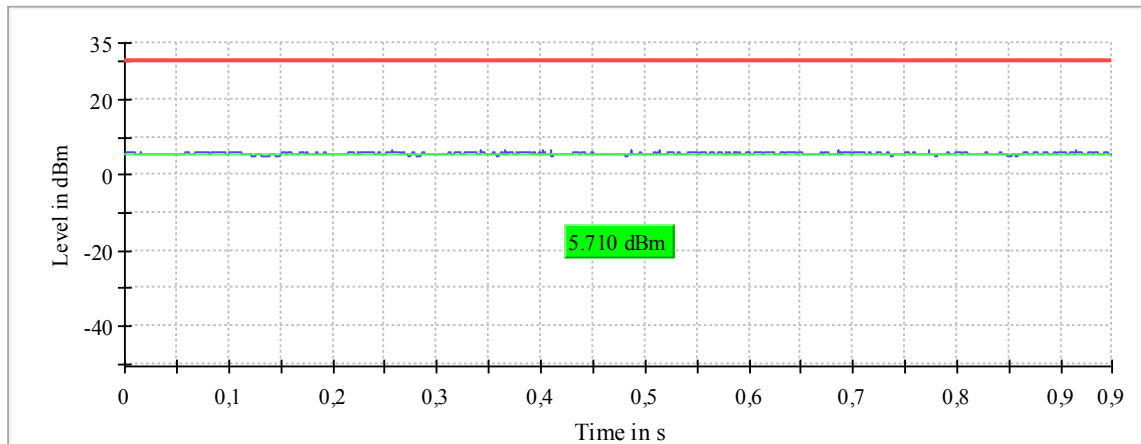
— Gated Trace — Overall — Limit

Plot 117: Mode 1, U-NII-3, AVGP-M-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5785.000000	5.7	30.0	5.7	94.990	PASS

Gated Trace



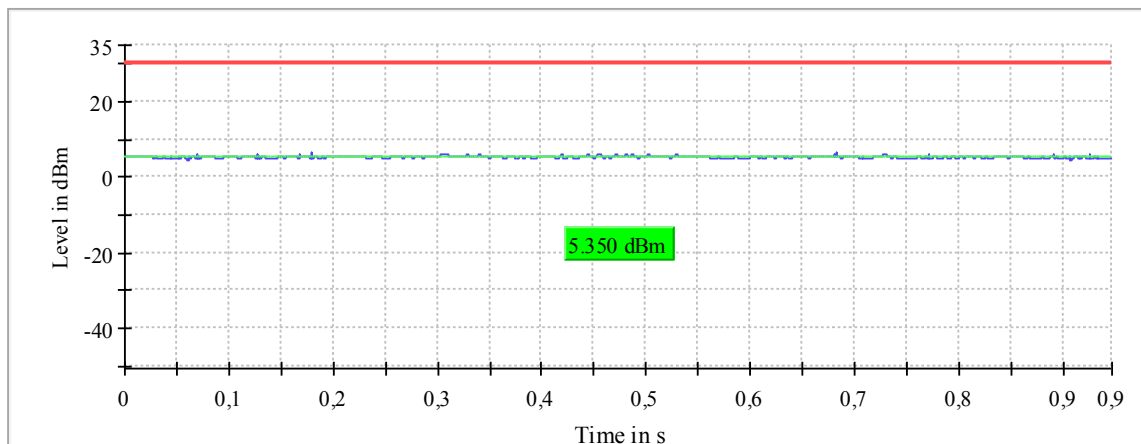
— Gated Trace — Overall — Limit

Plot 118: Mode 1, U-NII-3, AVGP-M-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5825.000000	5.4	30.0	5.4	94.955	PASS

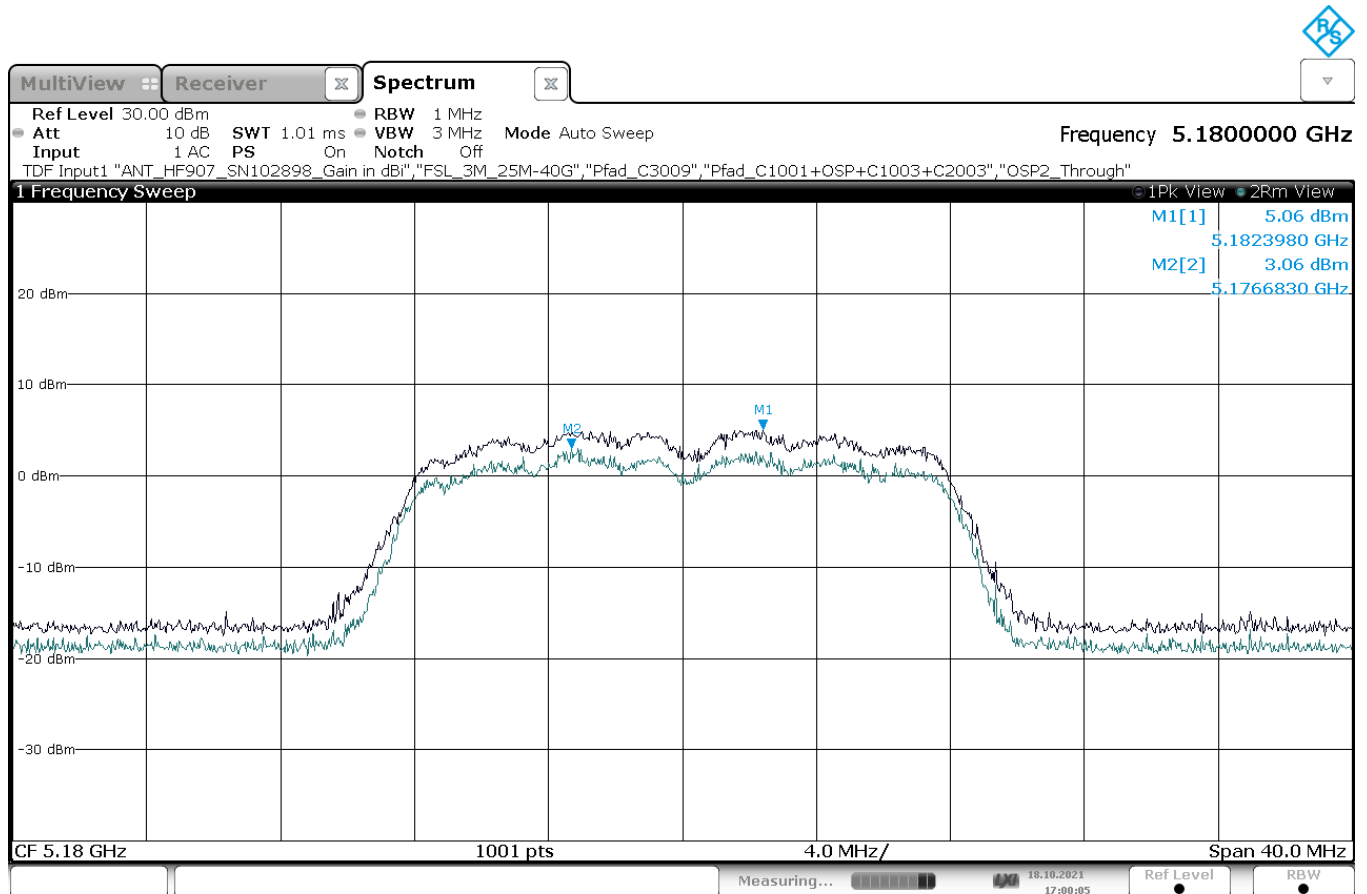
Gated Trace



— Gated Trace — Overall — Limit

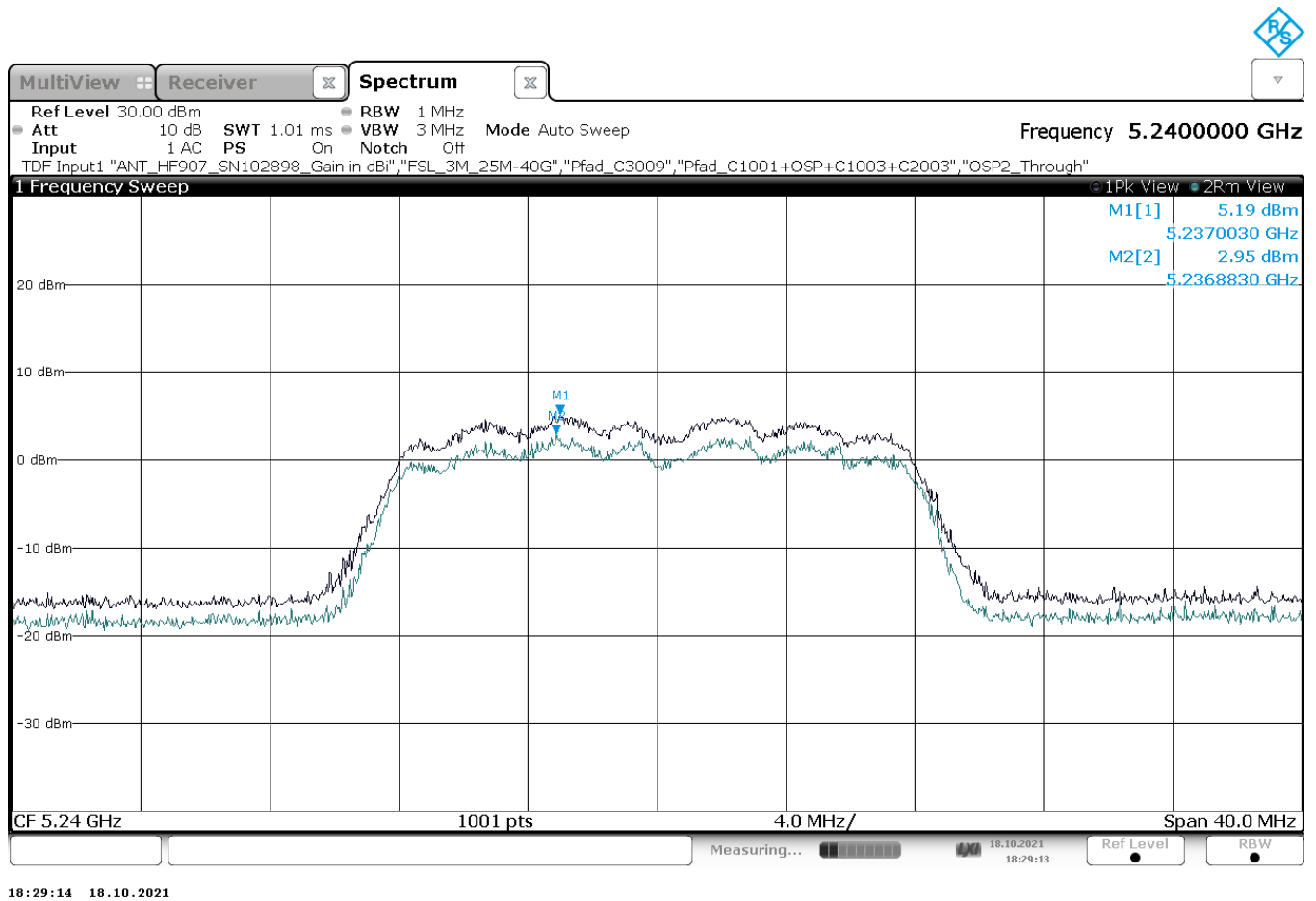
2.5.2 Radiated Peak Power (Peak EIRP)

Plot 119: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 36, 5180 MHz

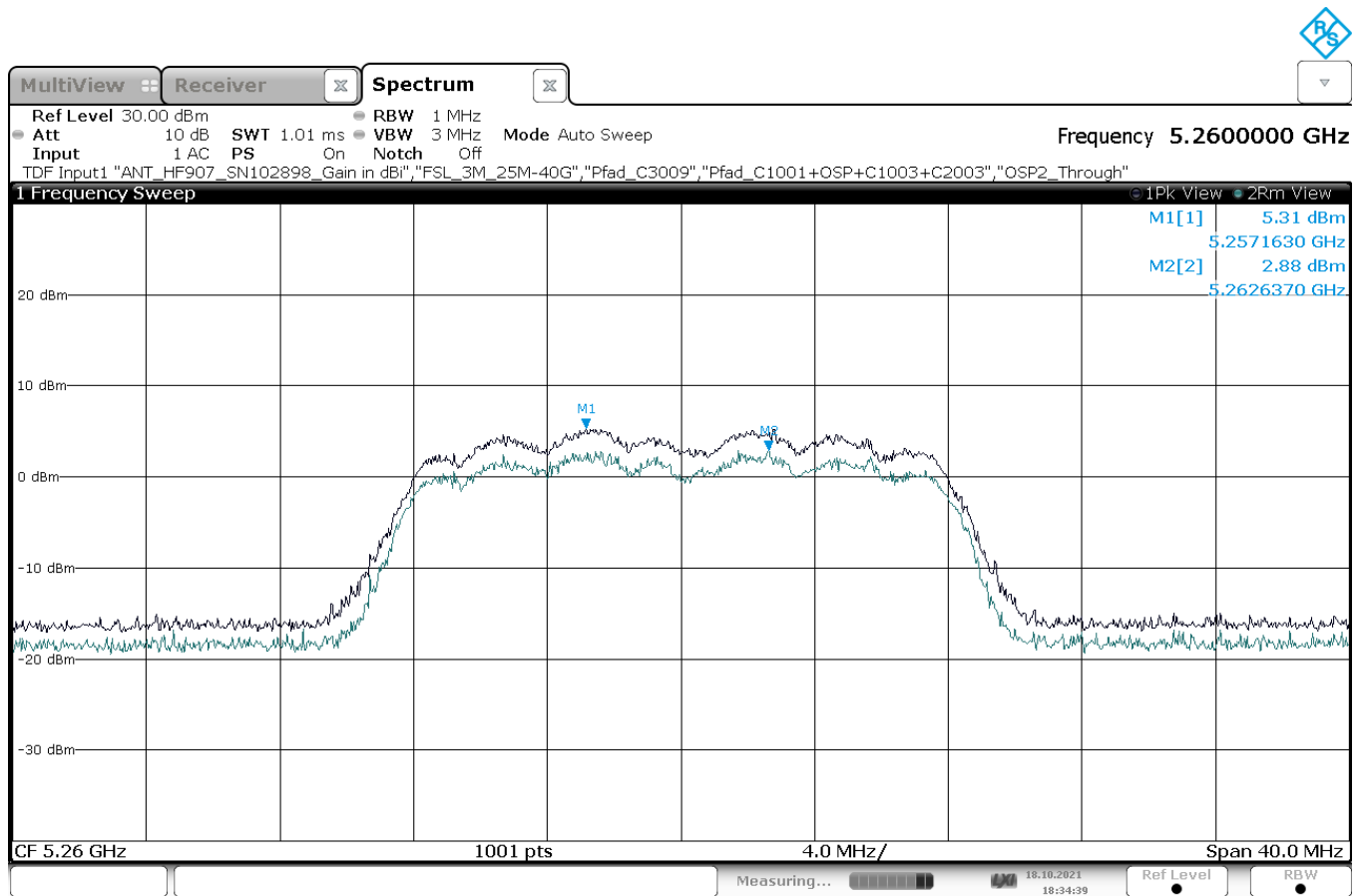


17:00:06 18.10.2021

Plot 120: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 48, 5240 MHz

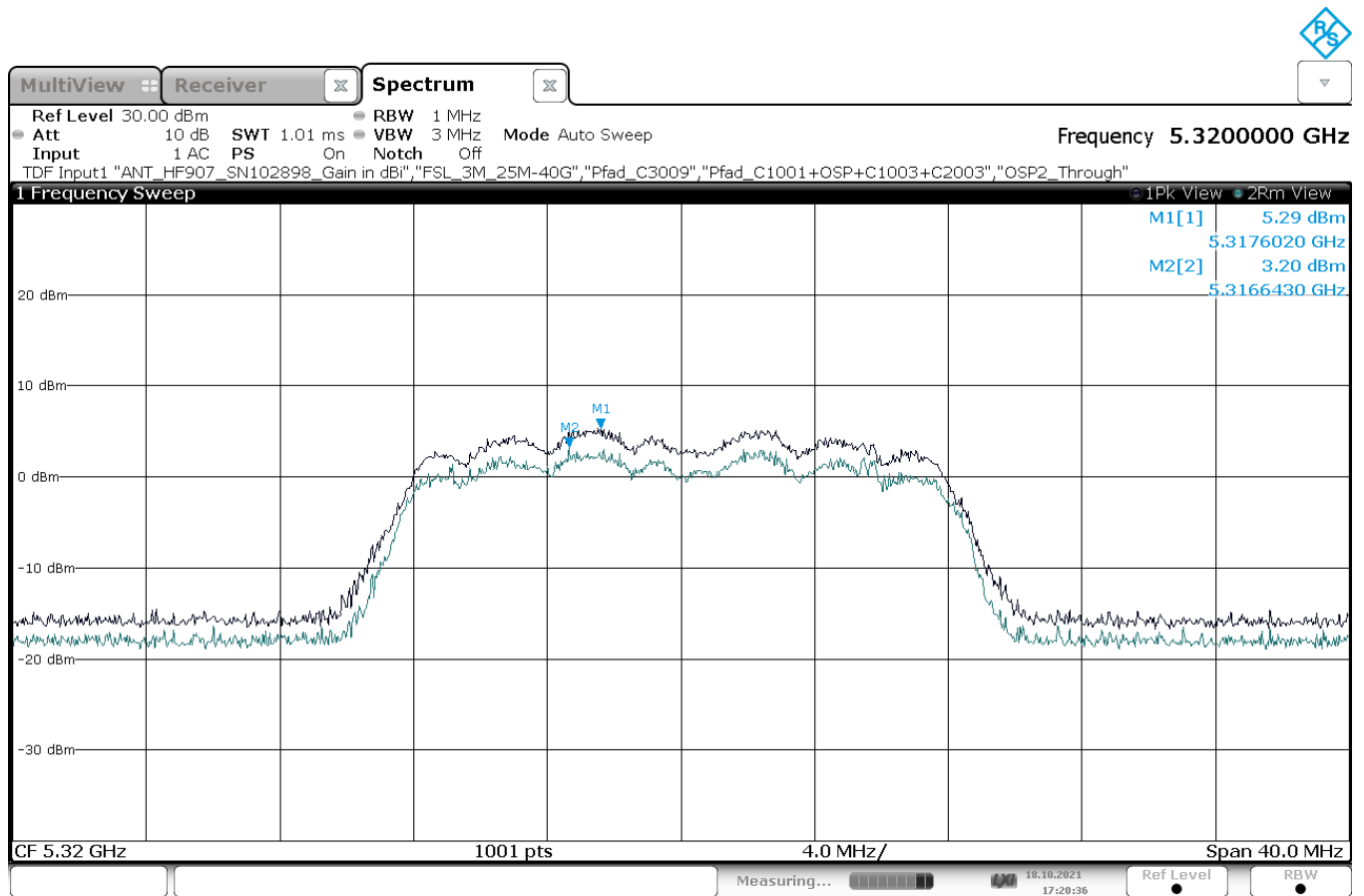


Plot 121: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 52, 5260 MHz



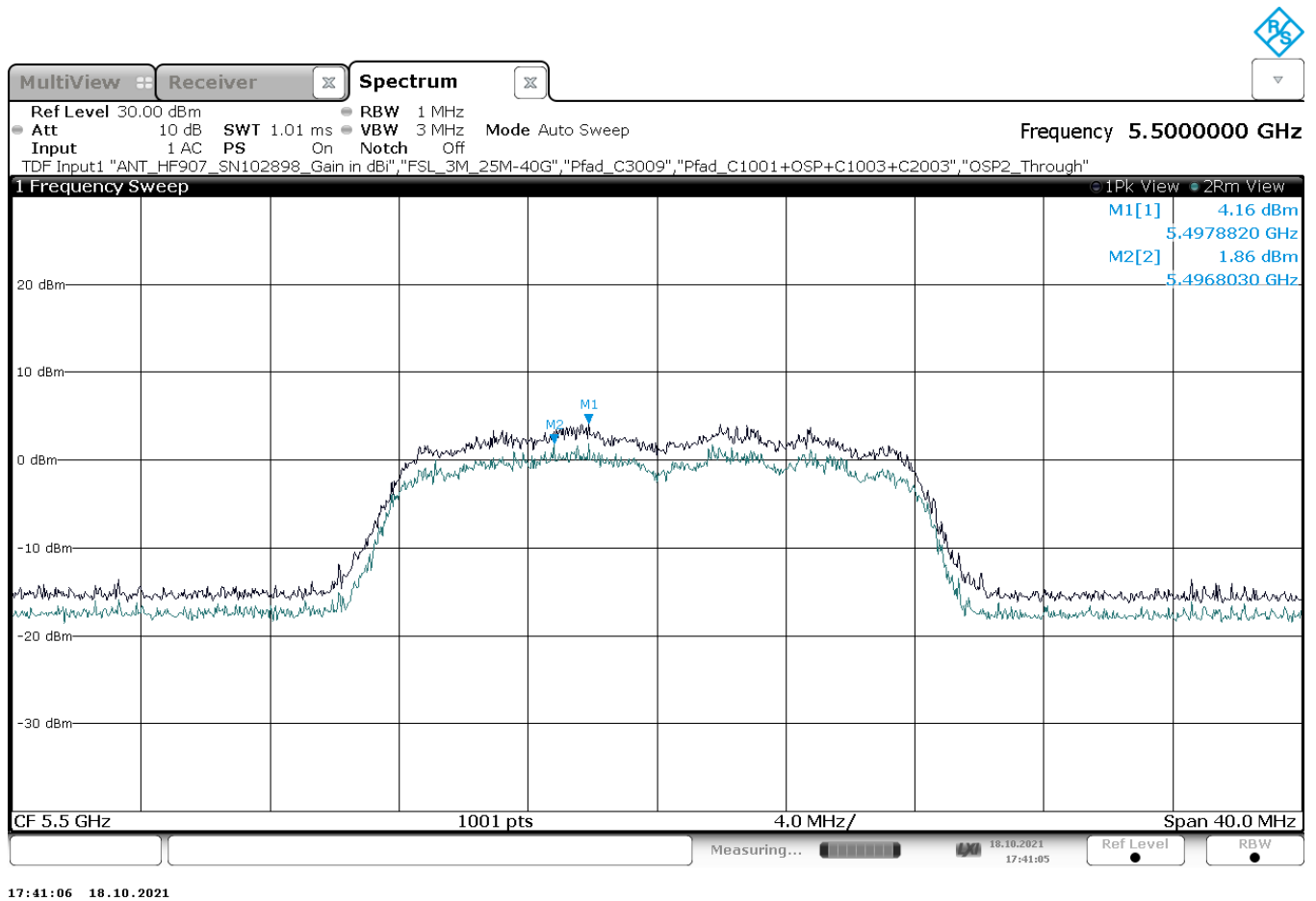
18:34:40 18.10.2021

Plot 122: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 64, 5320 MHz

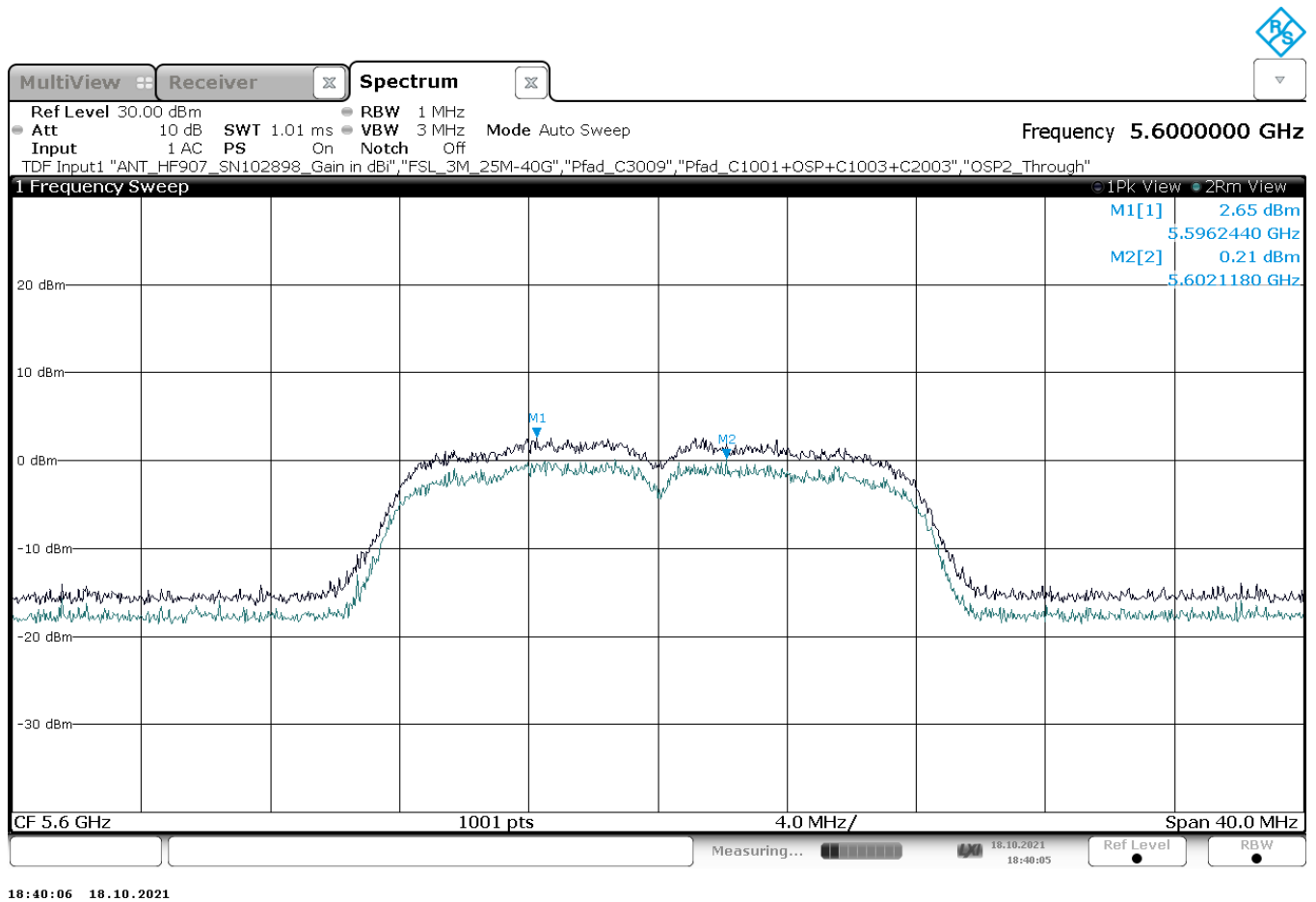


17:20:36 18.10.2021

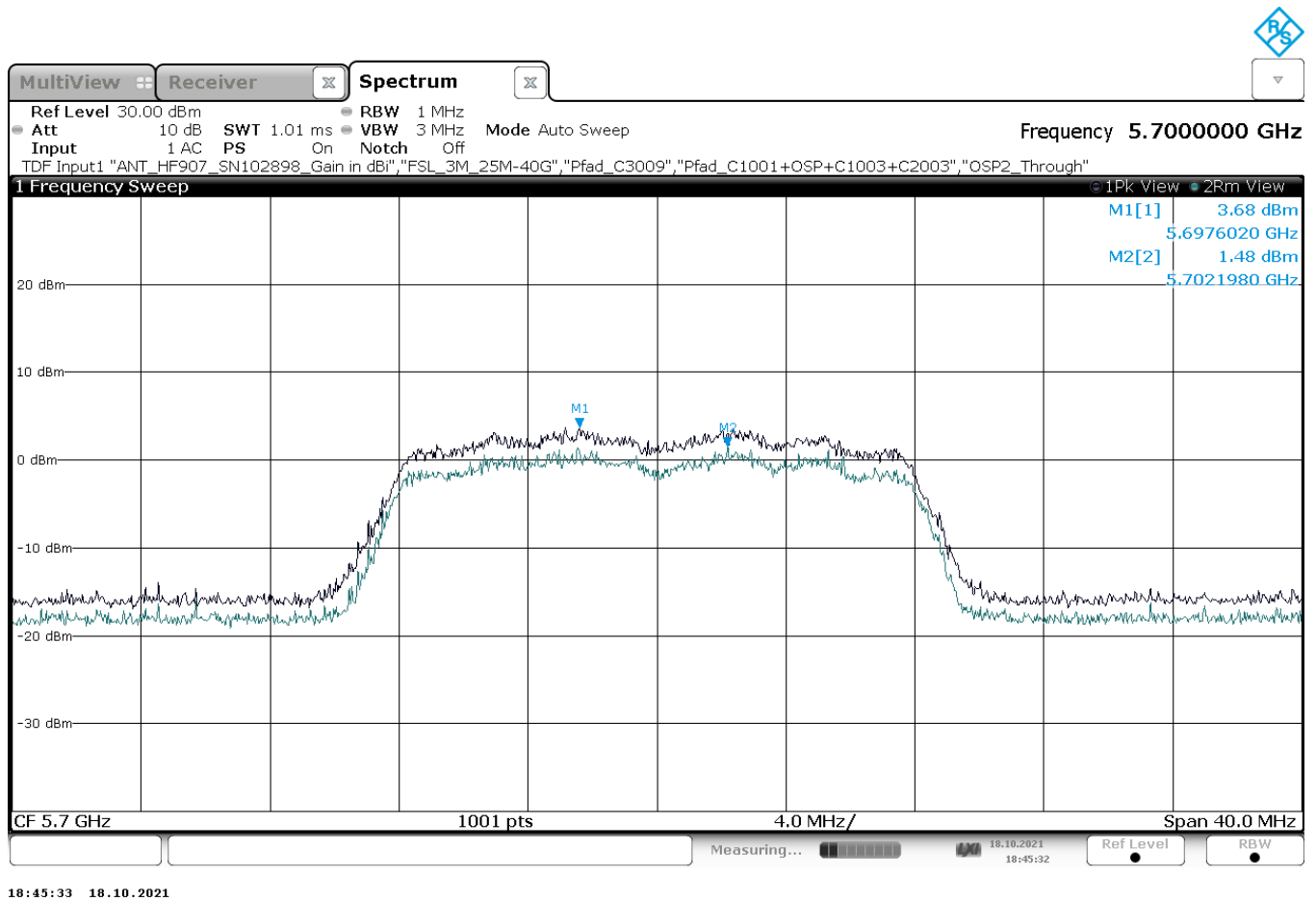
Plot 123: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 100, 5500 MHz



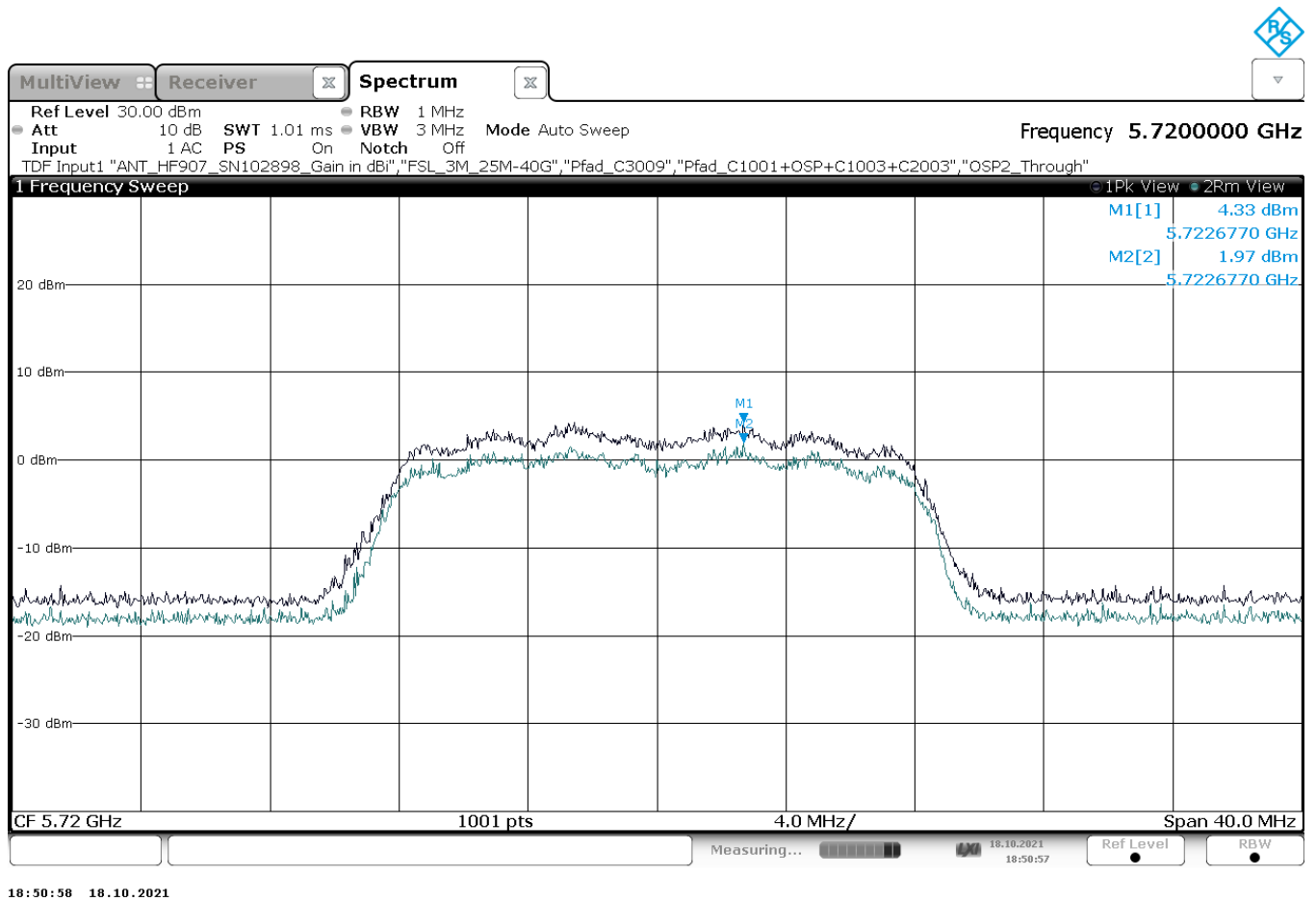
Plot 124: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 120, 5600 MHz



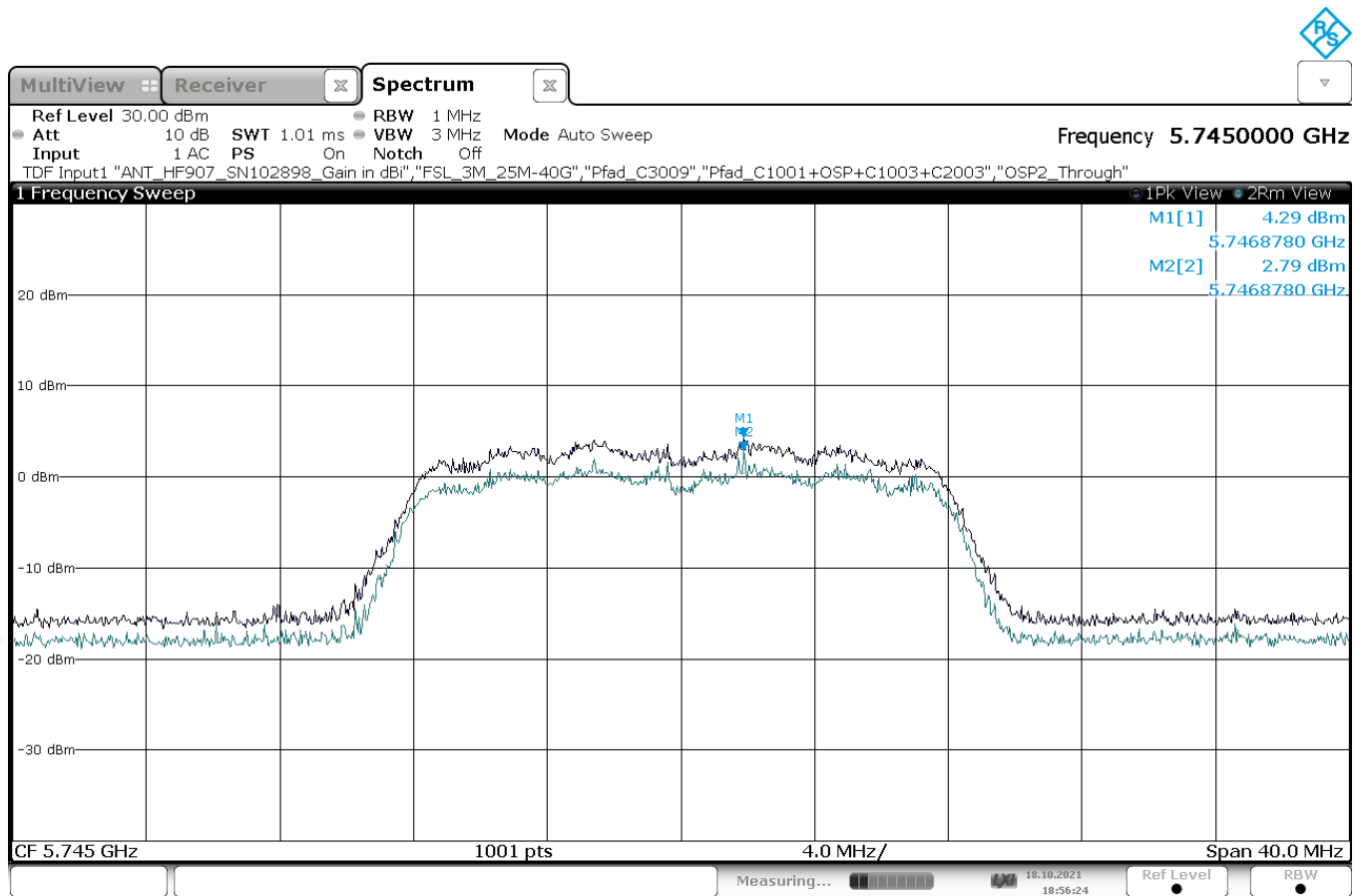
Plot 125: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 140, 5700 MHz



Plot 126: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 144, 5720 MHz



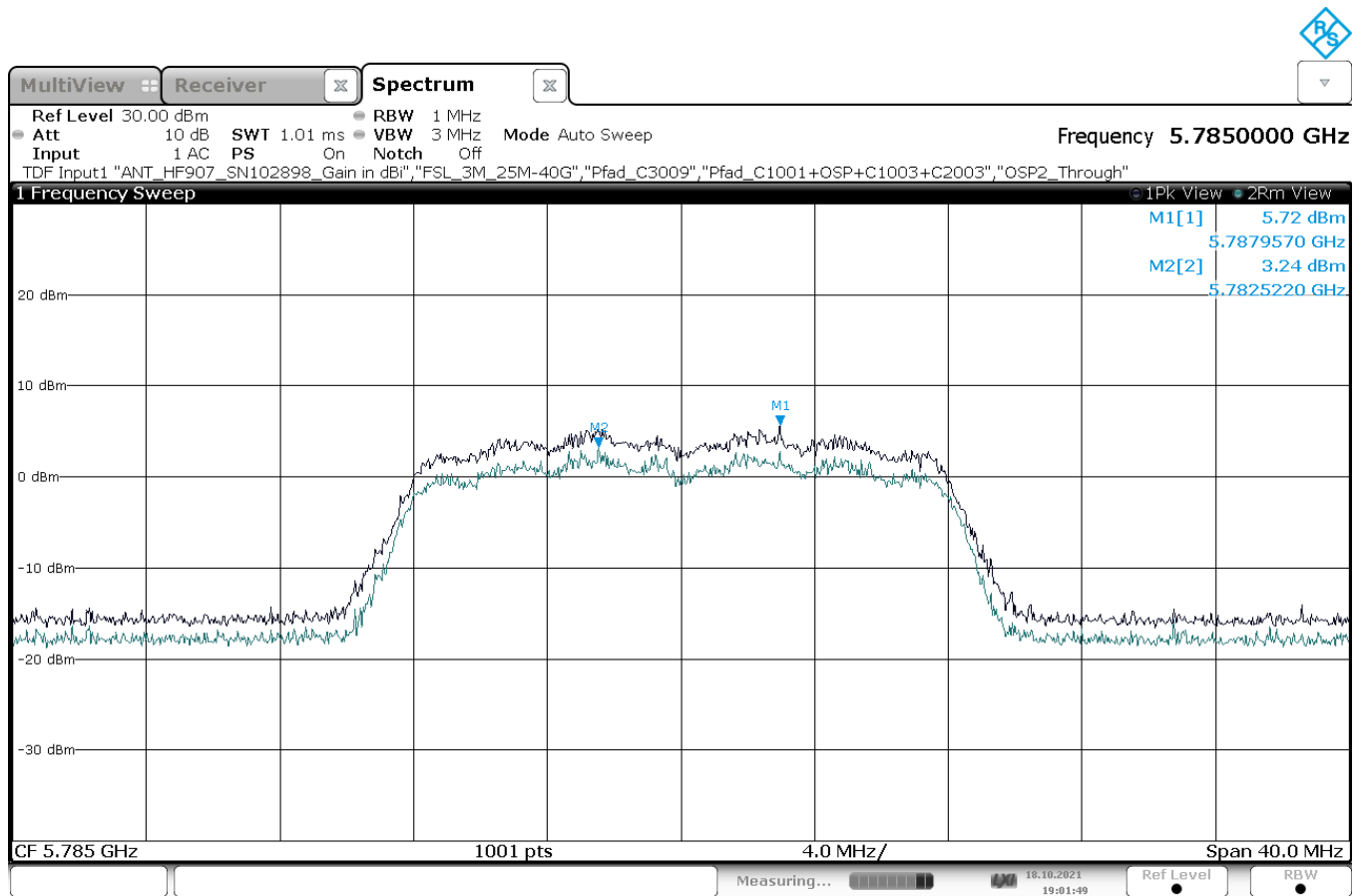
Plot 127: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 149, 5745 MHz



18:56:25 18.10.2021

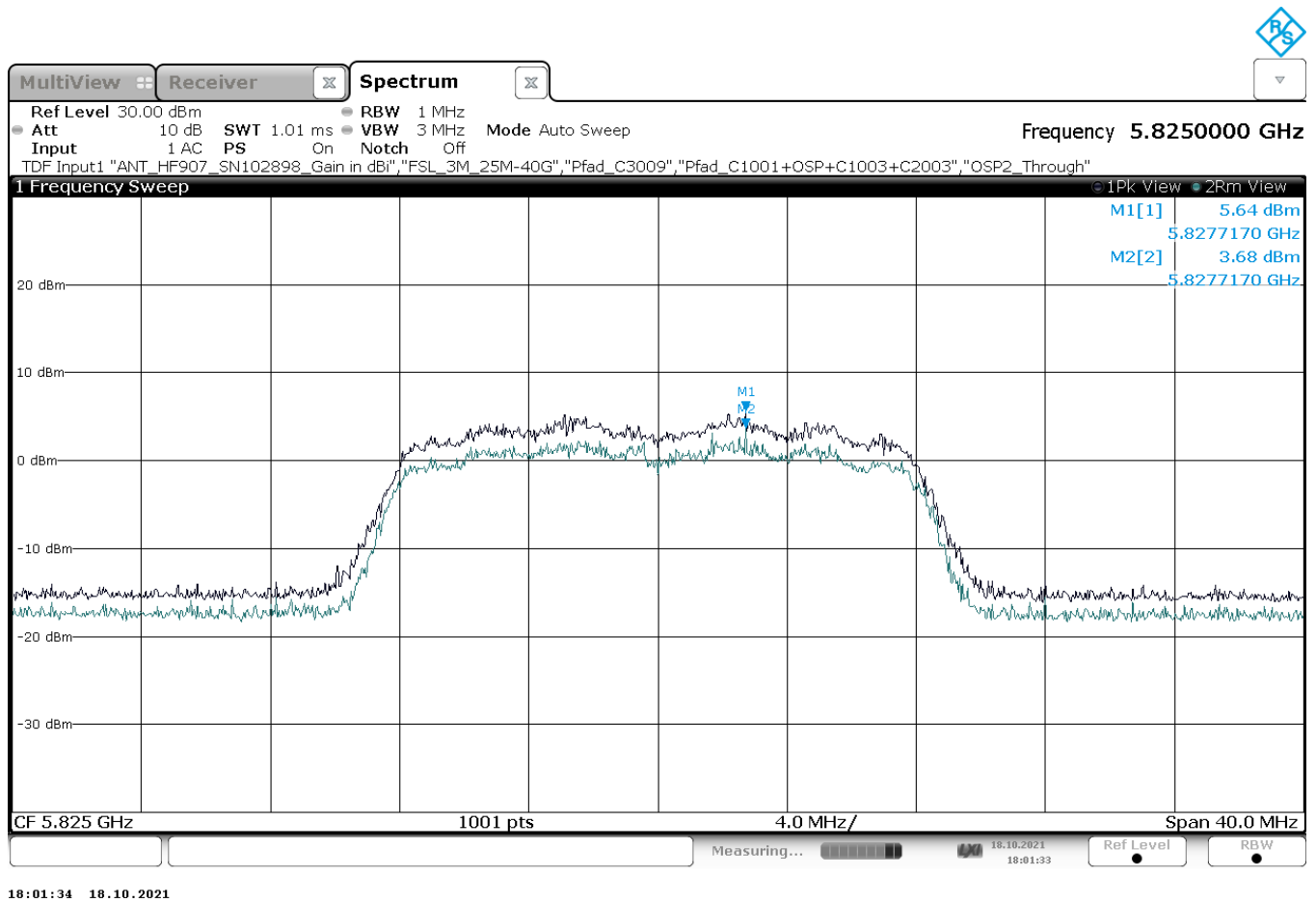
Annex A of TR no.: 21086128-23003-1

Plot 128: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 157, 5785 MHz



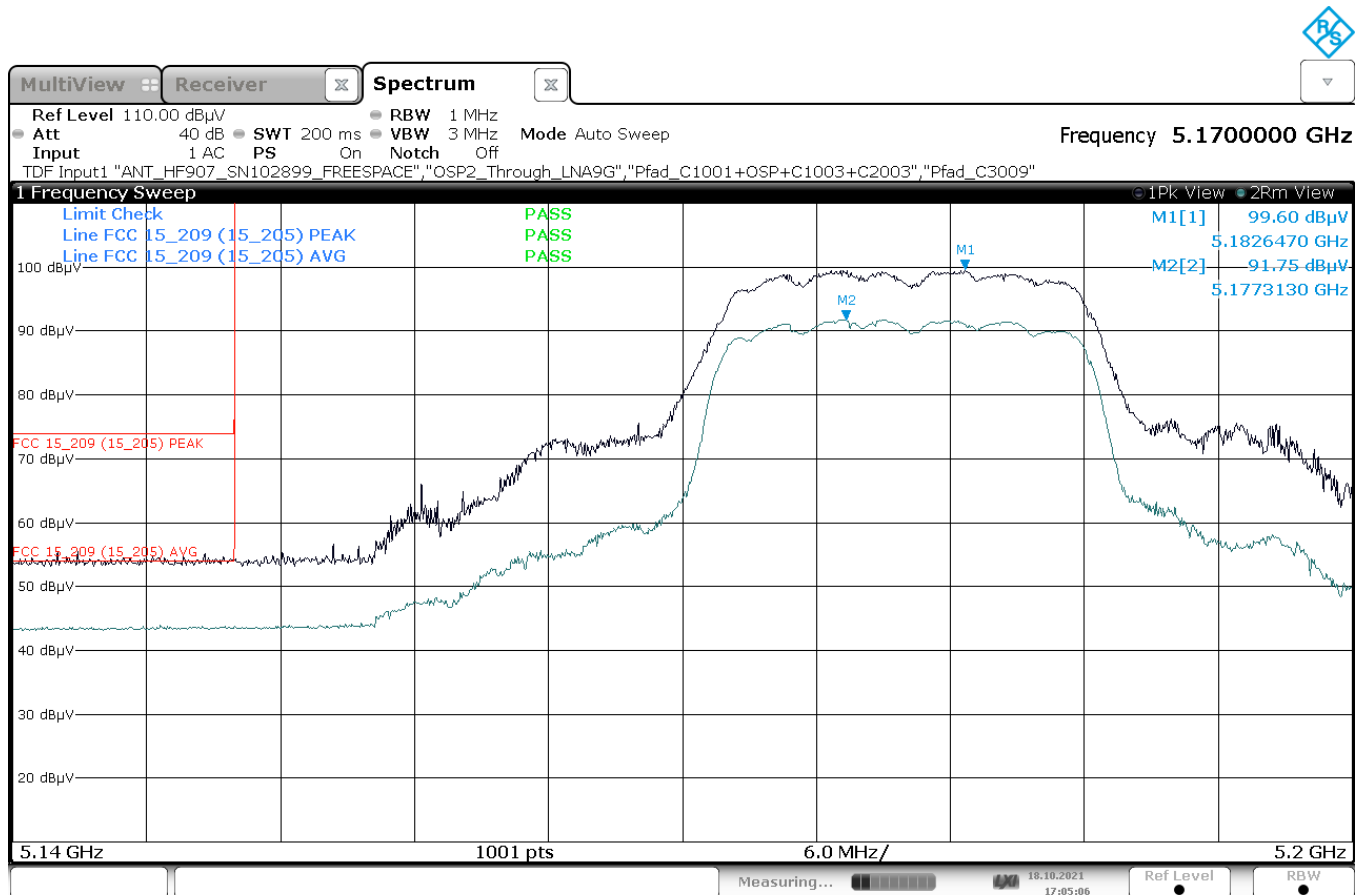
19:01:50 18.10.2021

Plot 129: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 165, 5825 MHz



2.5.3 Band Edge Compliance (BEC), radiated

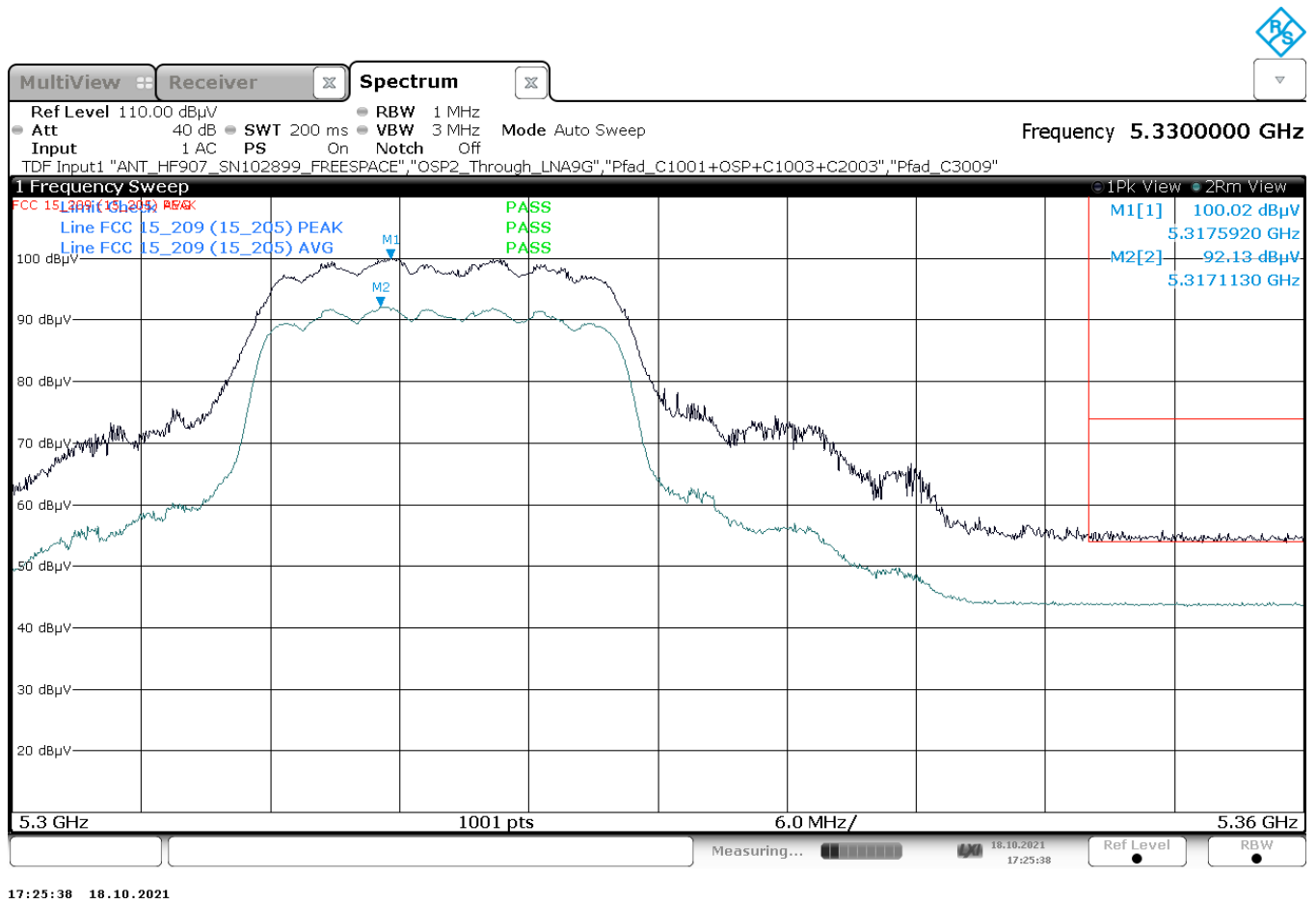
Plot 130: Mode 1, a-mode, BEC low, channel 36, 5180 MHz



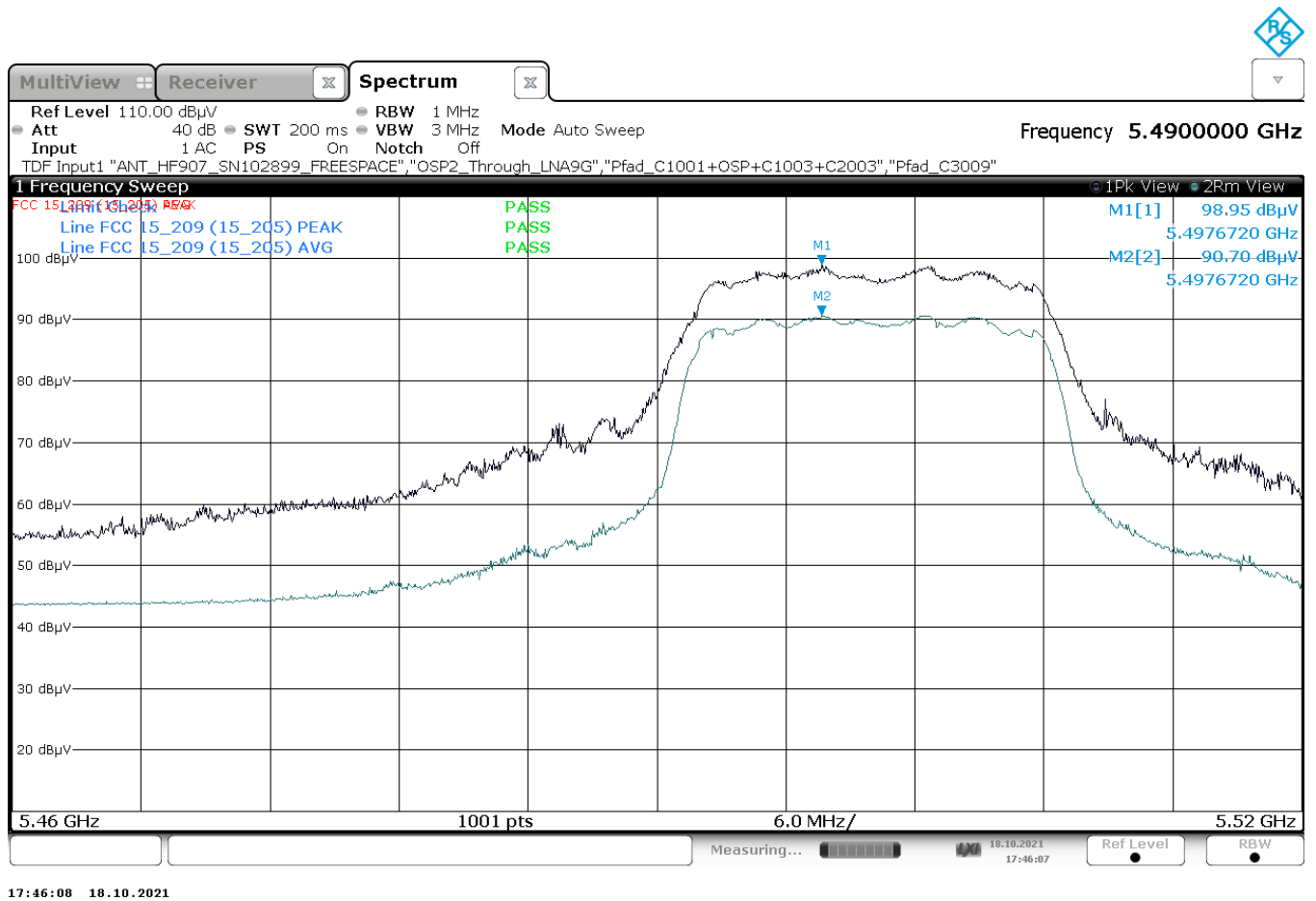
17:05:07 18.10.2021

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Plot 131: Mode 1, a-mode, BEC high, channel 64, 5320 MHz, 20 MHz channel bandwidth

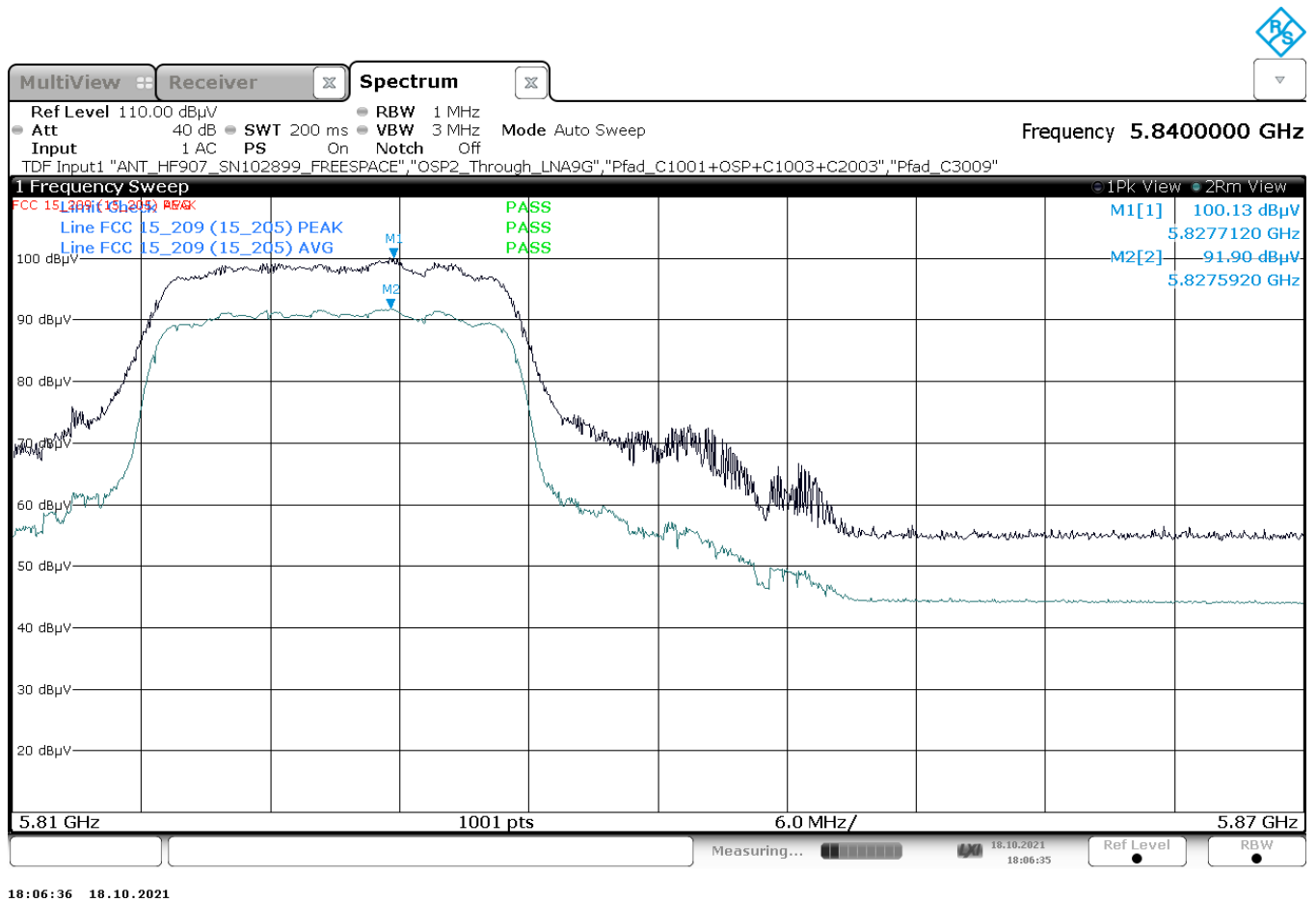


Plot 132: Mode 1, a-mode, BEC low, channel 100, 5500 MHz, 20 MHz channel bandwidth



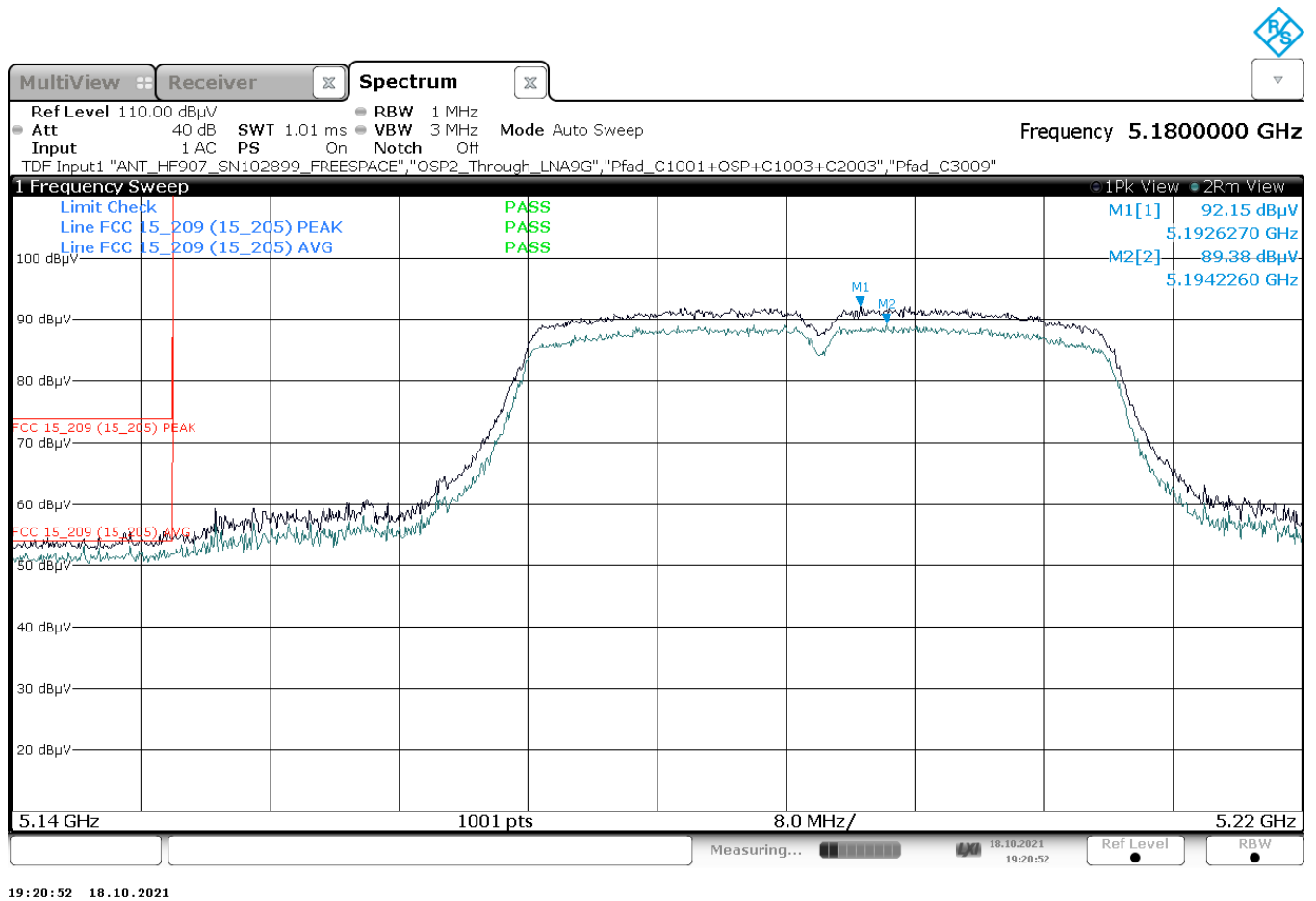
Annex A of TR no.: 21086128-23003-1

Plot 133: Mode 1, a-mode, BEC high, channel 165, 5825 MHz, 20 MHz channel bandwidth

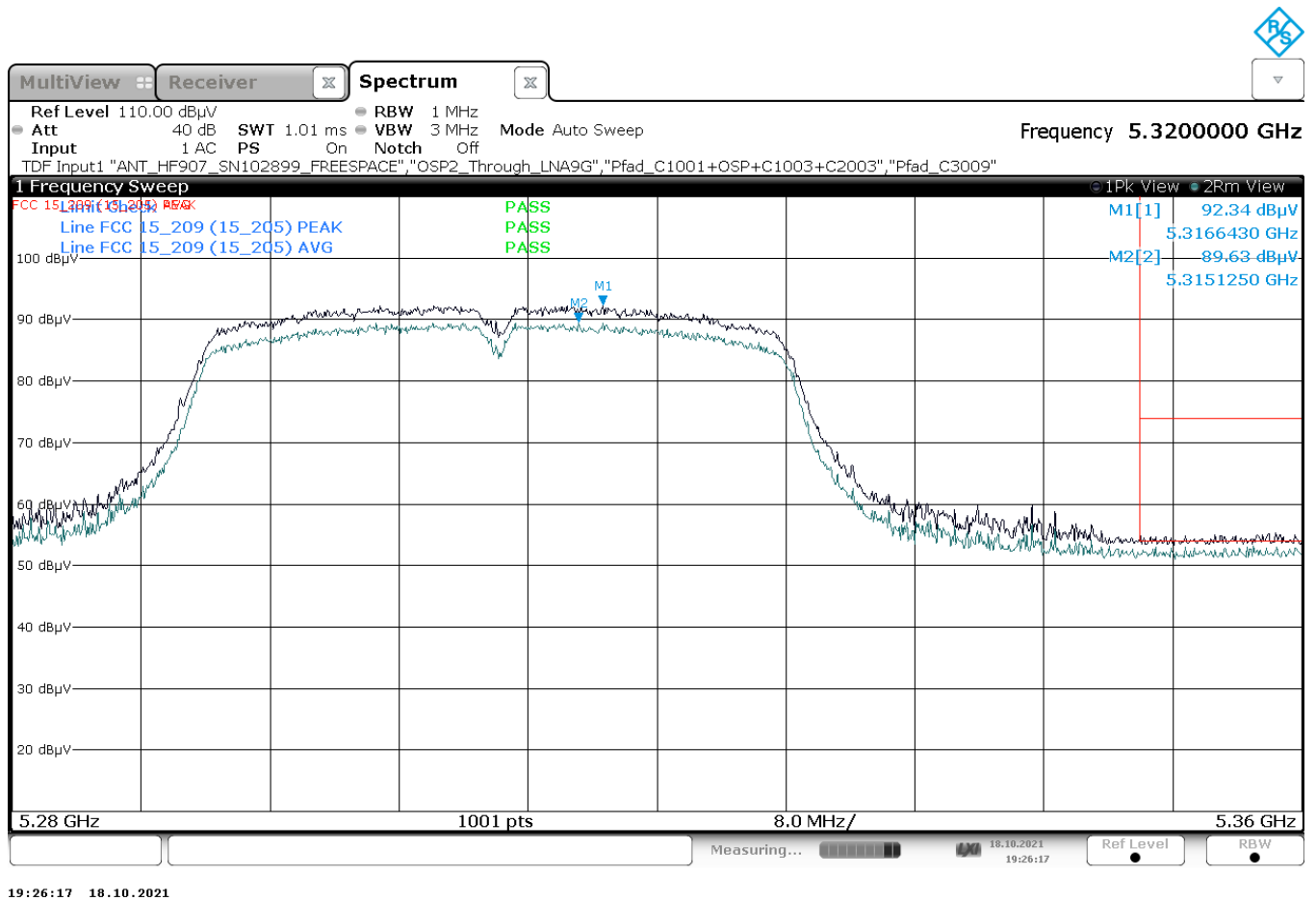


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Plot 134: Mode 3, n-HT40 mode, BEC low, channel 38, 5190 MHz, 40 MHz channel bandwidth

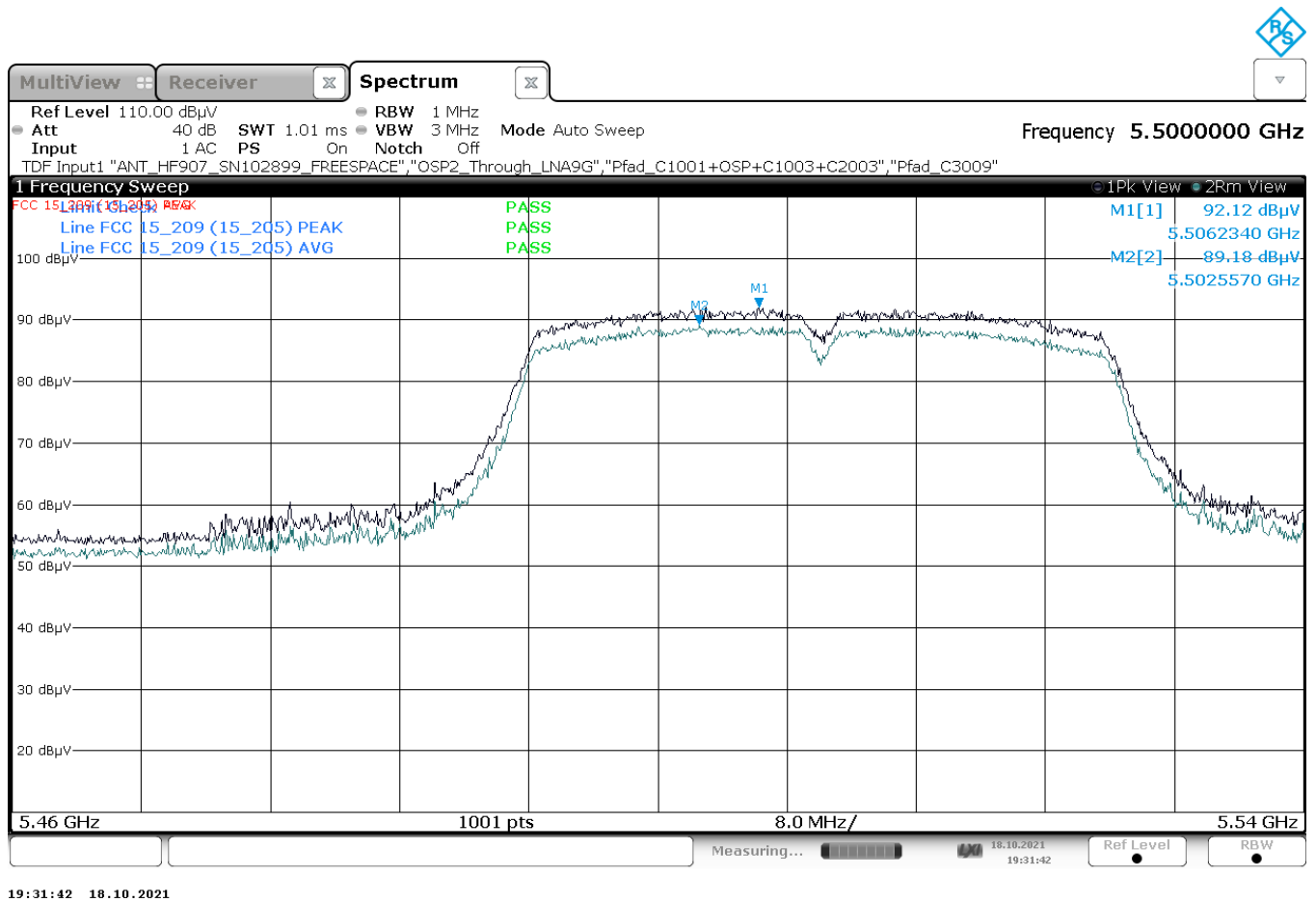


Plot 135: Mode 3, n-HT40 mode, BEC high, channel 62, 5320 MHz, 40 MHz channel bandwidth

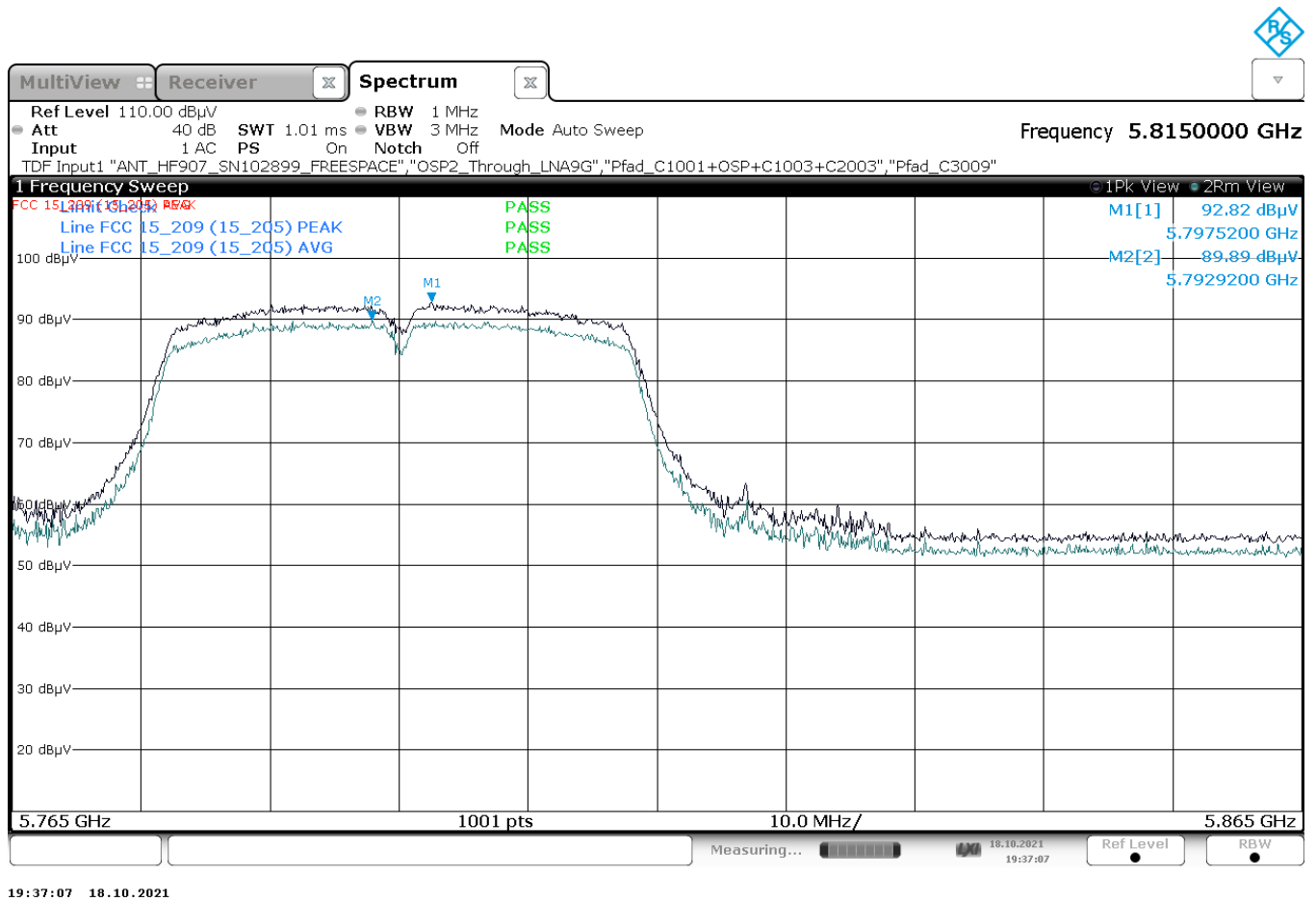


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Plot 136: Mode 3, n-HT40 mode, BEC low, channel 102, 5510 MHz, 40 MHz channel bandwidth

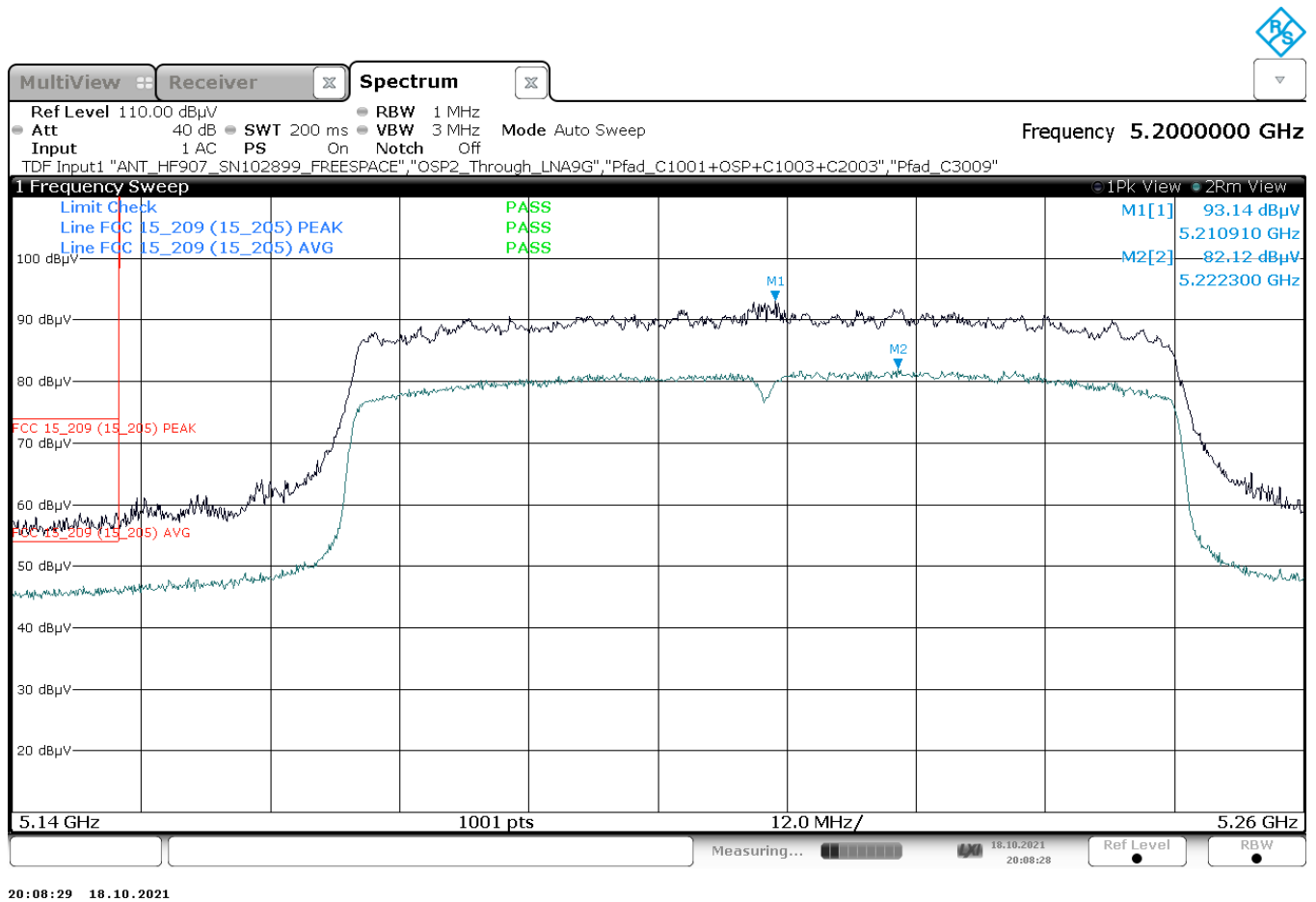


Plot 137: Mode 3, n-HT40 mode, BEC high, channel 159, 5795 MHz, 40 MHz channel bandwidth



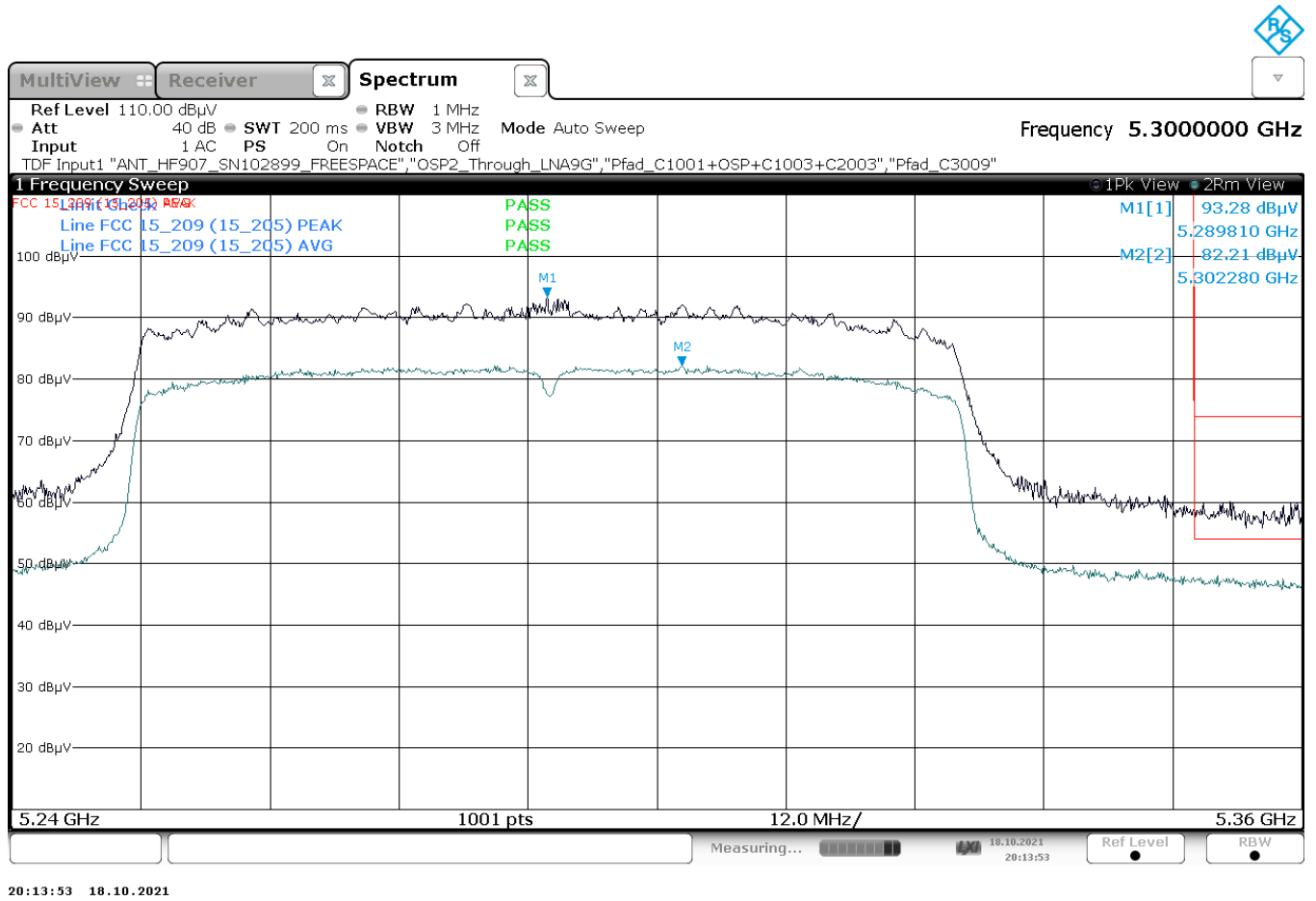
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Plot 138: Mode 6, ac-HT80 mode, BEC low, channel 42, 5210 MHz, 80 MHz channel bandwidth

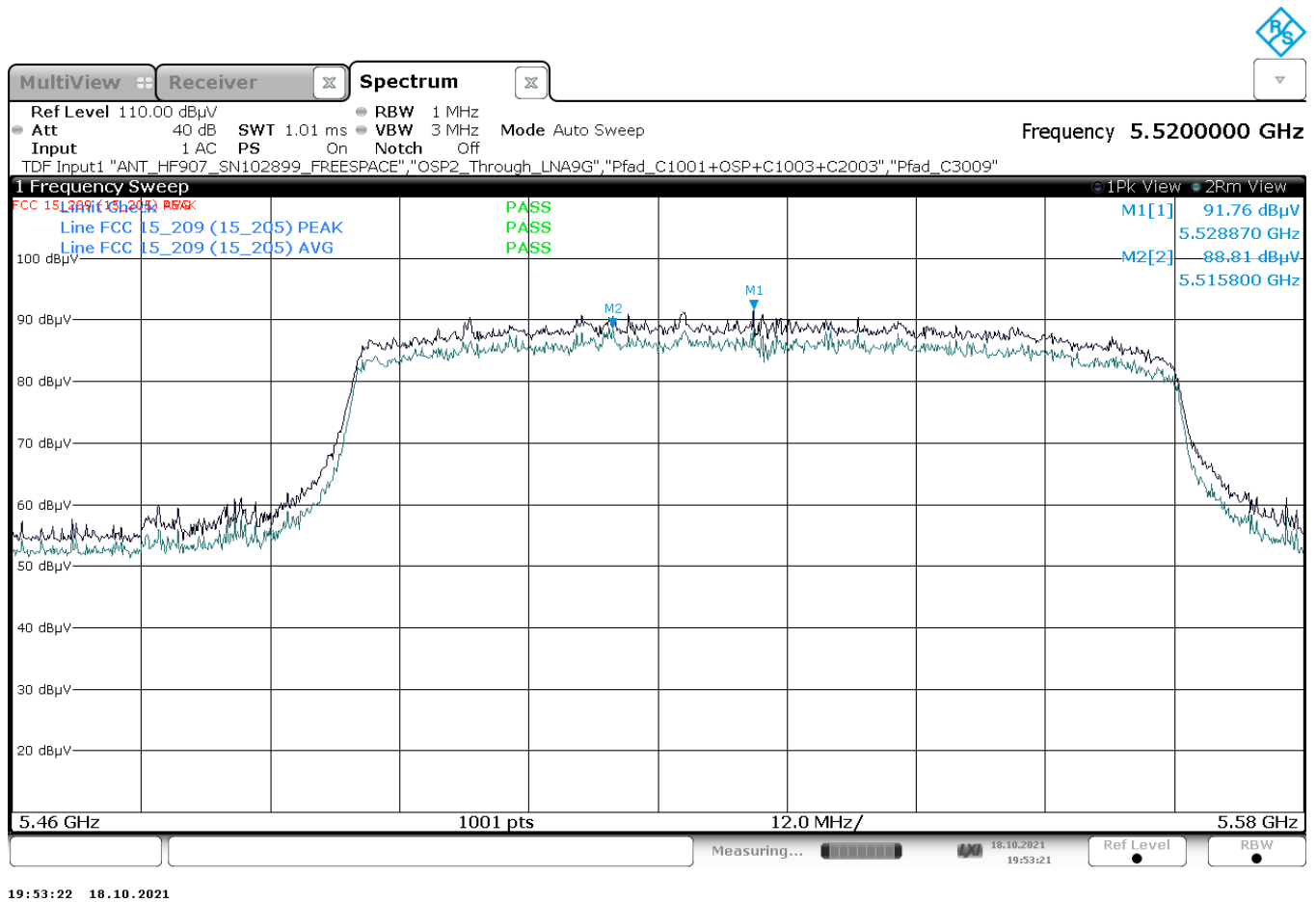


20:08:29 18.10.2021

Plot 139: Mode 6, ac-HT80 mode, BEC high, channel 58, 5290 MHz, 80 MHz channel bandwidth

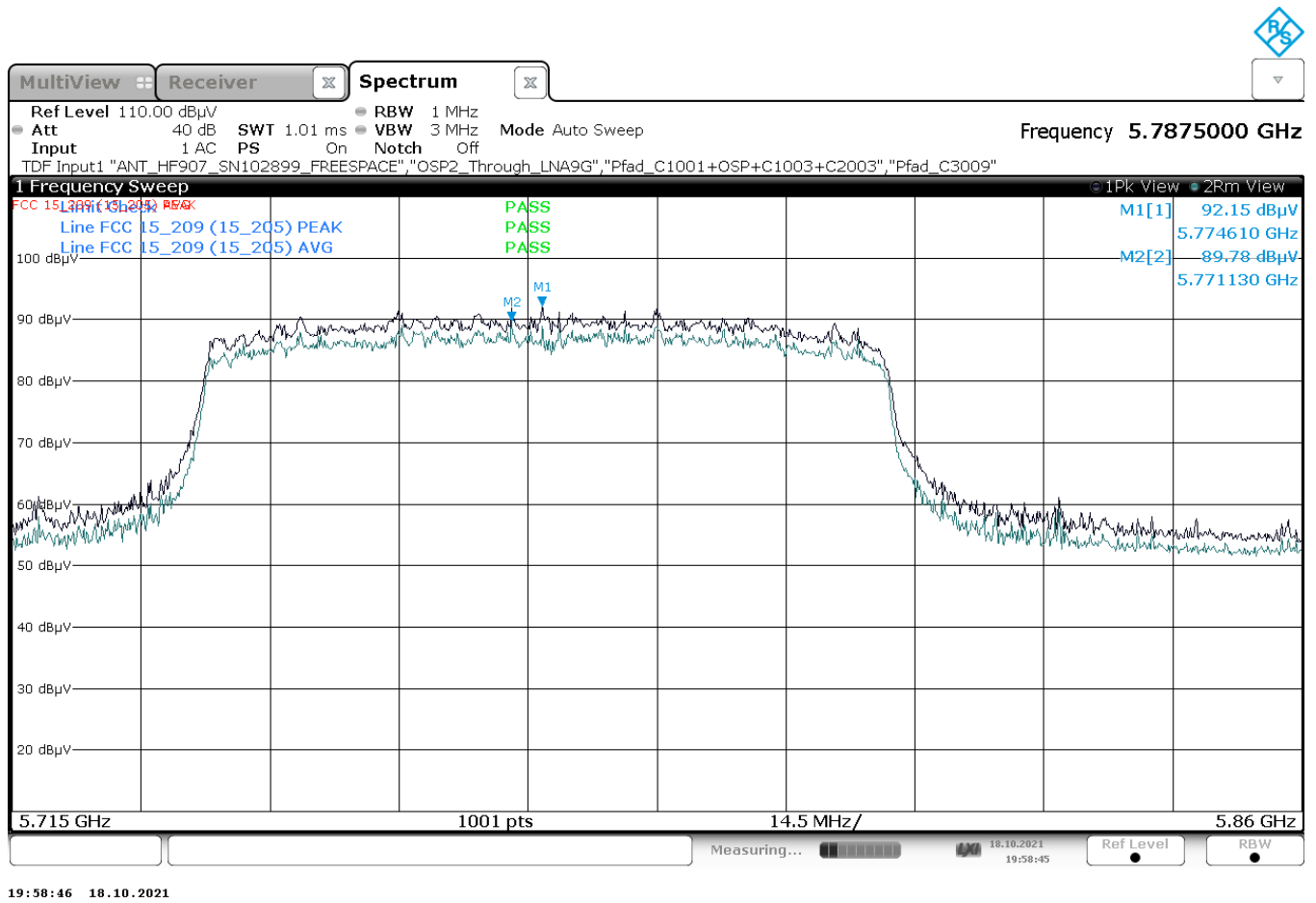


Plot 140: Mode 6, ac-HT80 mode, BEC low, channel 106, 5530 MHz, 80 MHz channel bandwidth



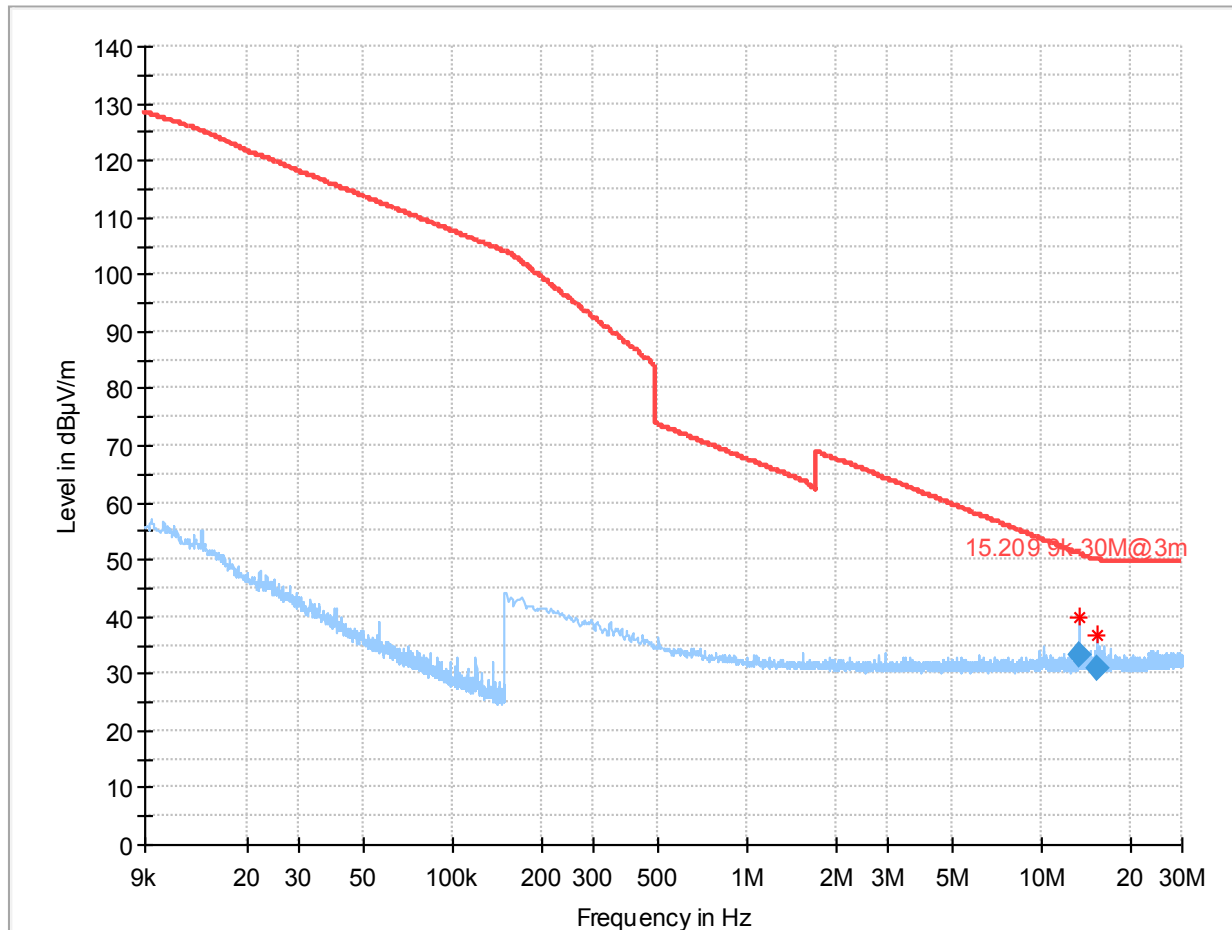
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Plot 141: Mode 6, ac-HT80 mode, BEC high, channel 155, 5775 MHz, 80 MHz channel bandwidth



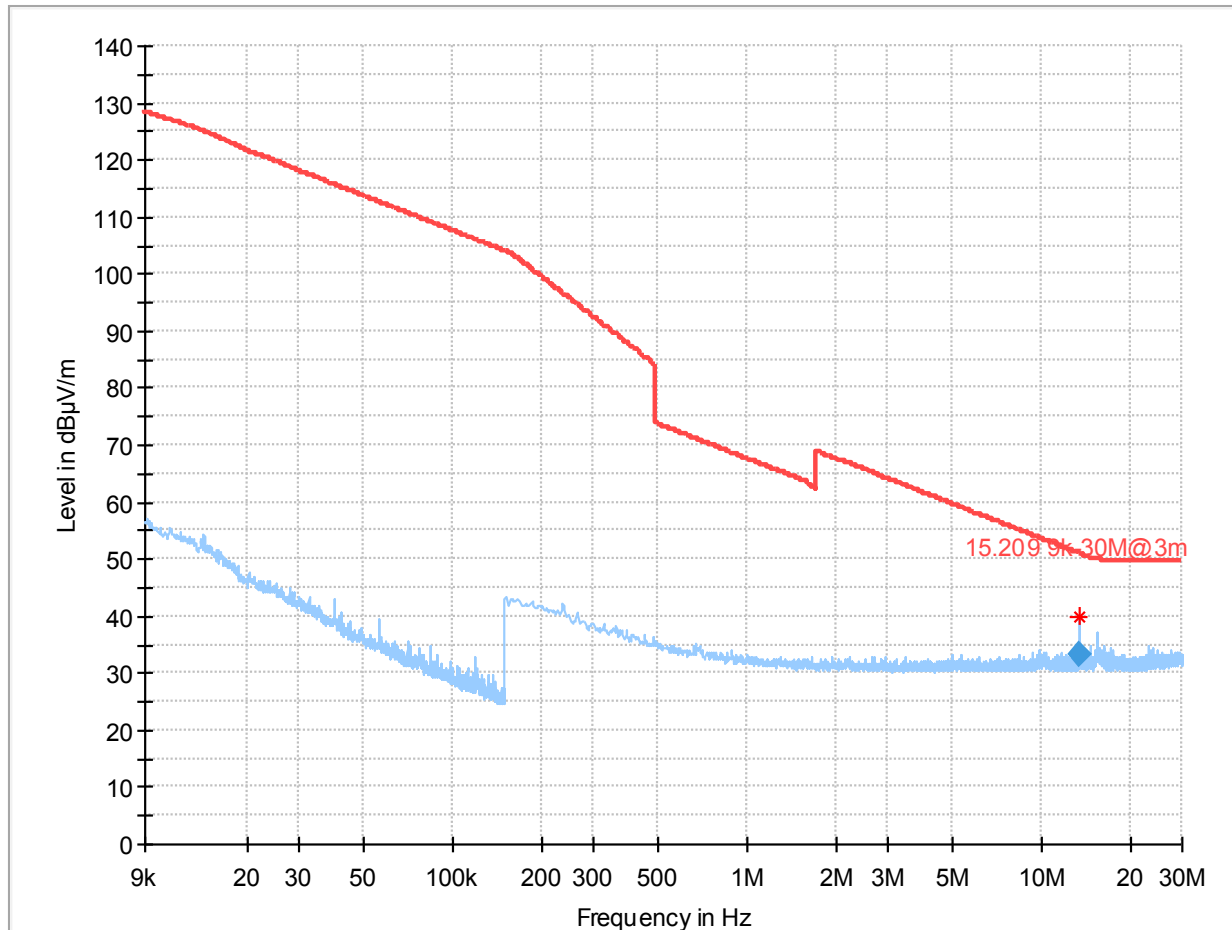
2.5.4 Radiated Spurious Emissions (RSE)

Plot 142: Mode 1, RSE 9 kHz – 30 MHz, channel 36, loop antenna



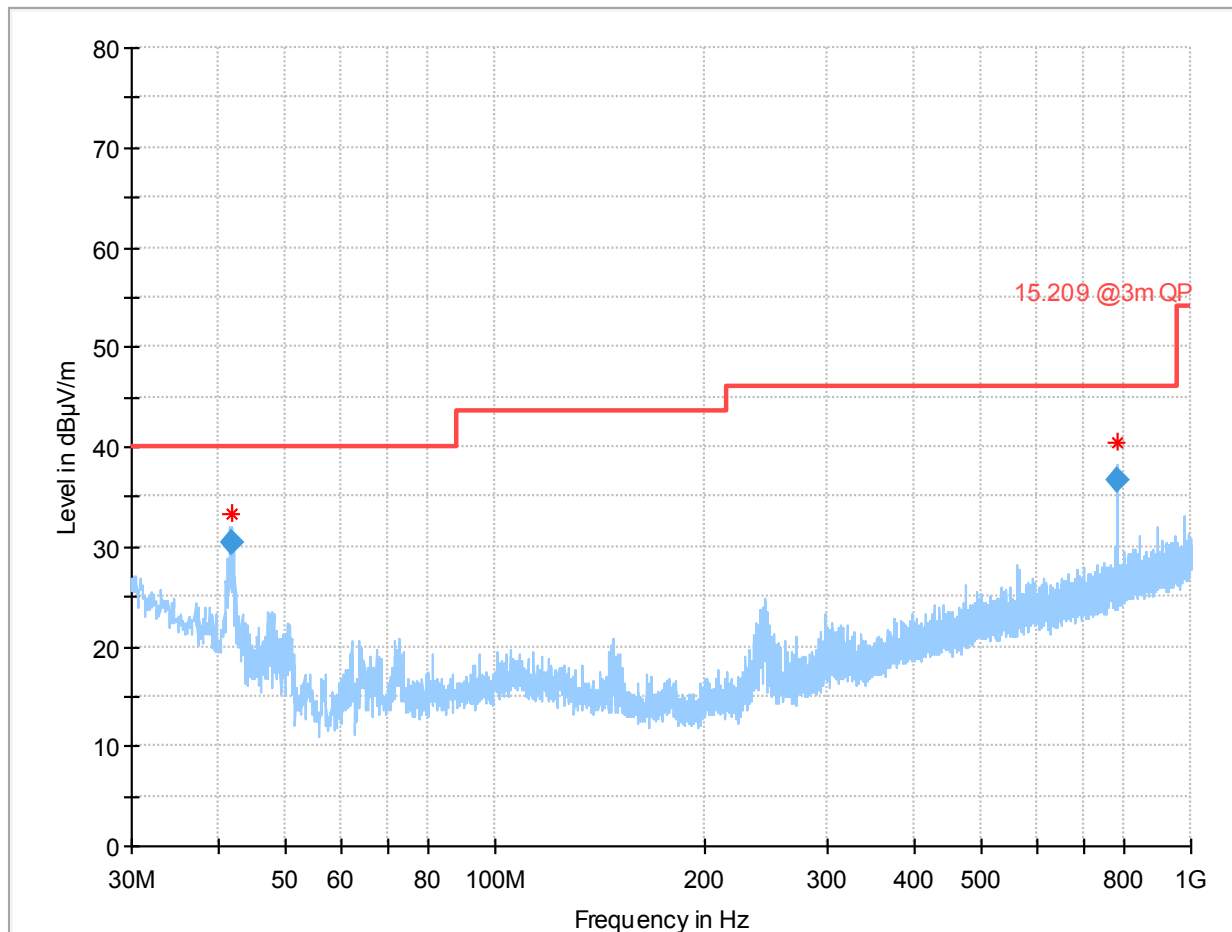
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.22	50.94	17.72	100.0	9.000	V	240.0	20.5
15.553500	30.91	50.03	19.12	100.0	9.000	V	60.0	20.5

Plot 143: Mode 1, RSE 9 kHz – 30 MHz, channel 64, loop antenna



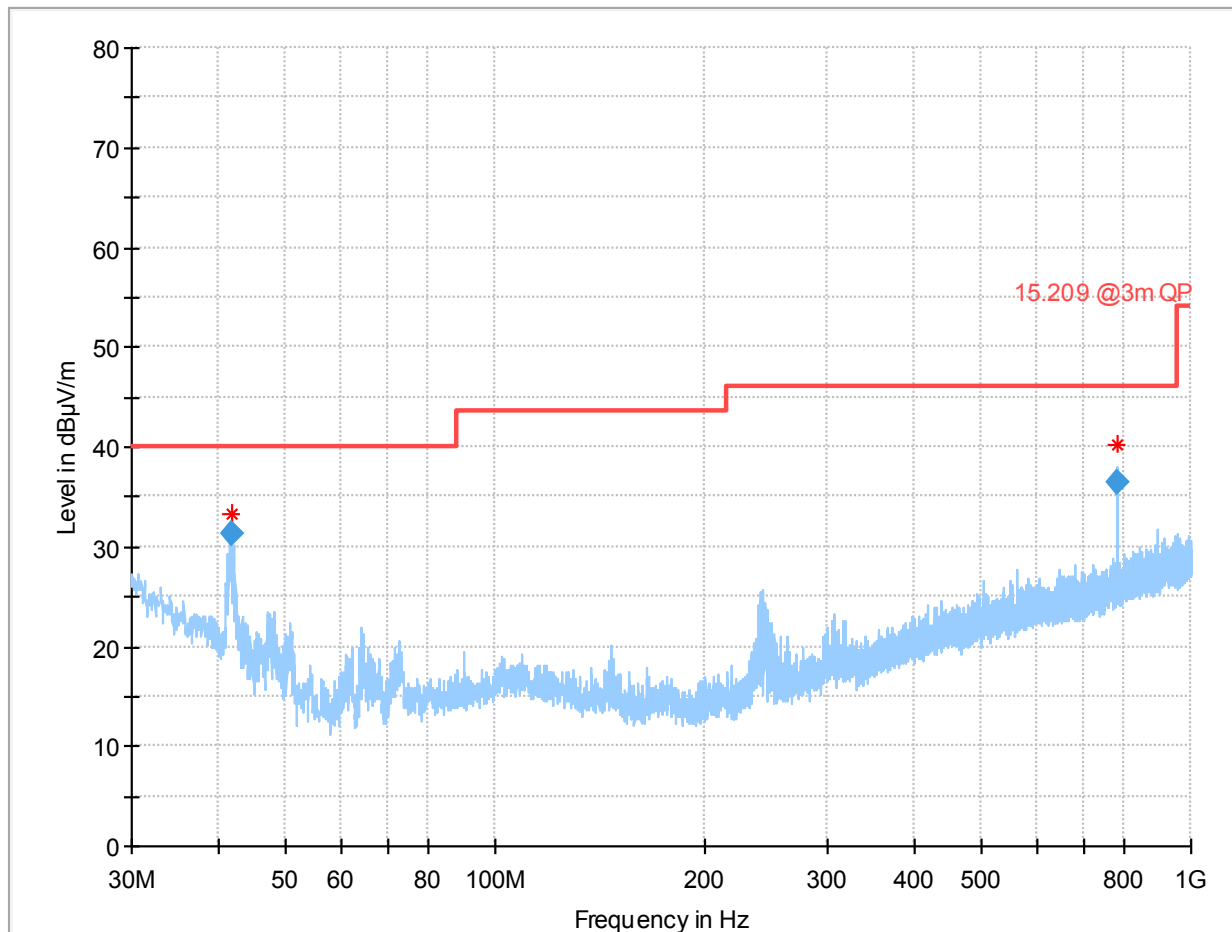
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.43	50.94	17.51	100.0	9.000	H	120.0	20.5

Plot 144: Mode 1, RSE 30 MHz – 1 GHz, channel 36, horizontal / vertical polarisation



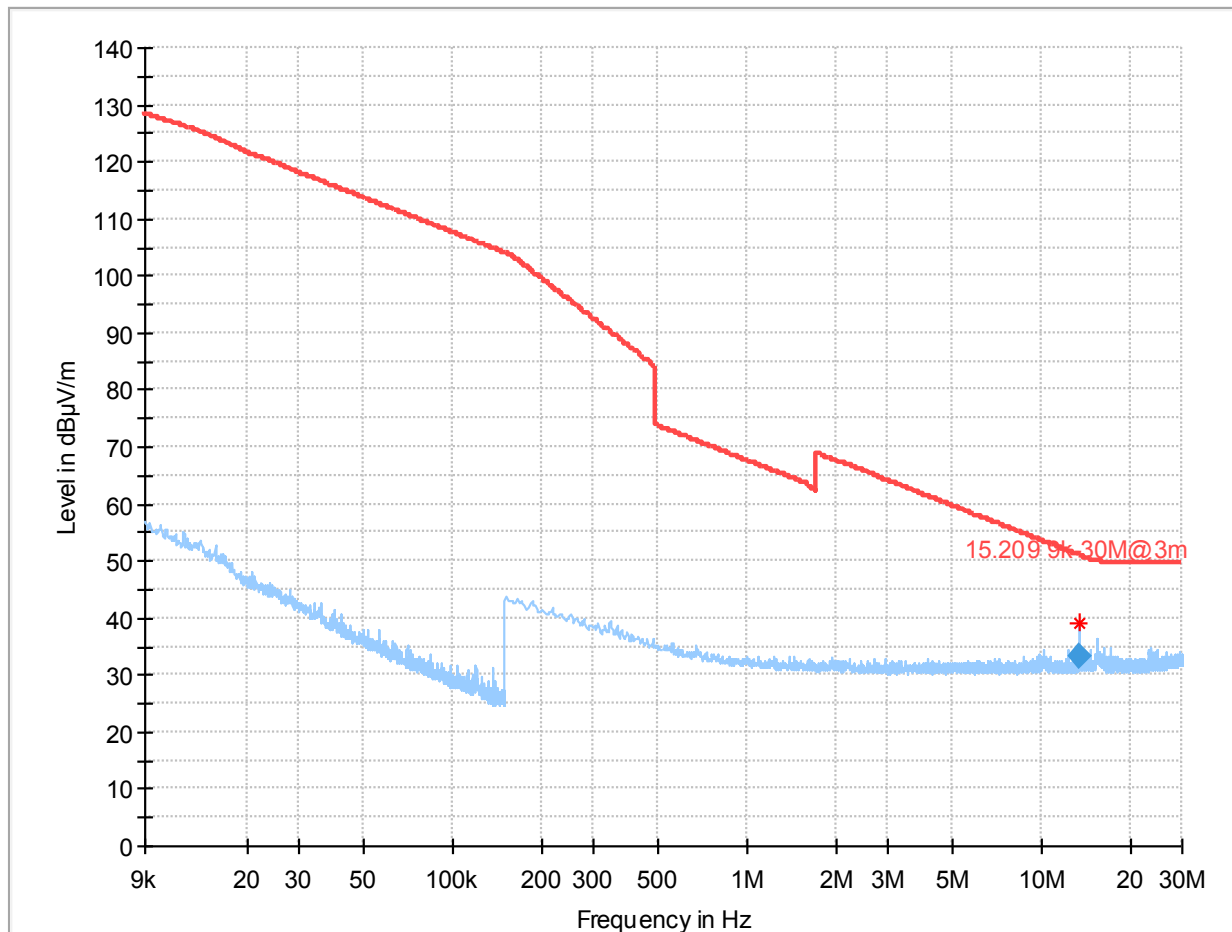
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
41.762000	30.49	40.00	9.51	100.0	120.000	103.0	H	220.0
785.702000	36.55	46.00	9.45	100.0	120.000	100.0	H	64.0

Plot 145: Mode 1, RSE 30 MHz – 1 GHz, channel 64, horizontal / vertical polarisation



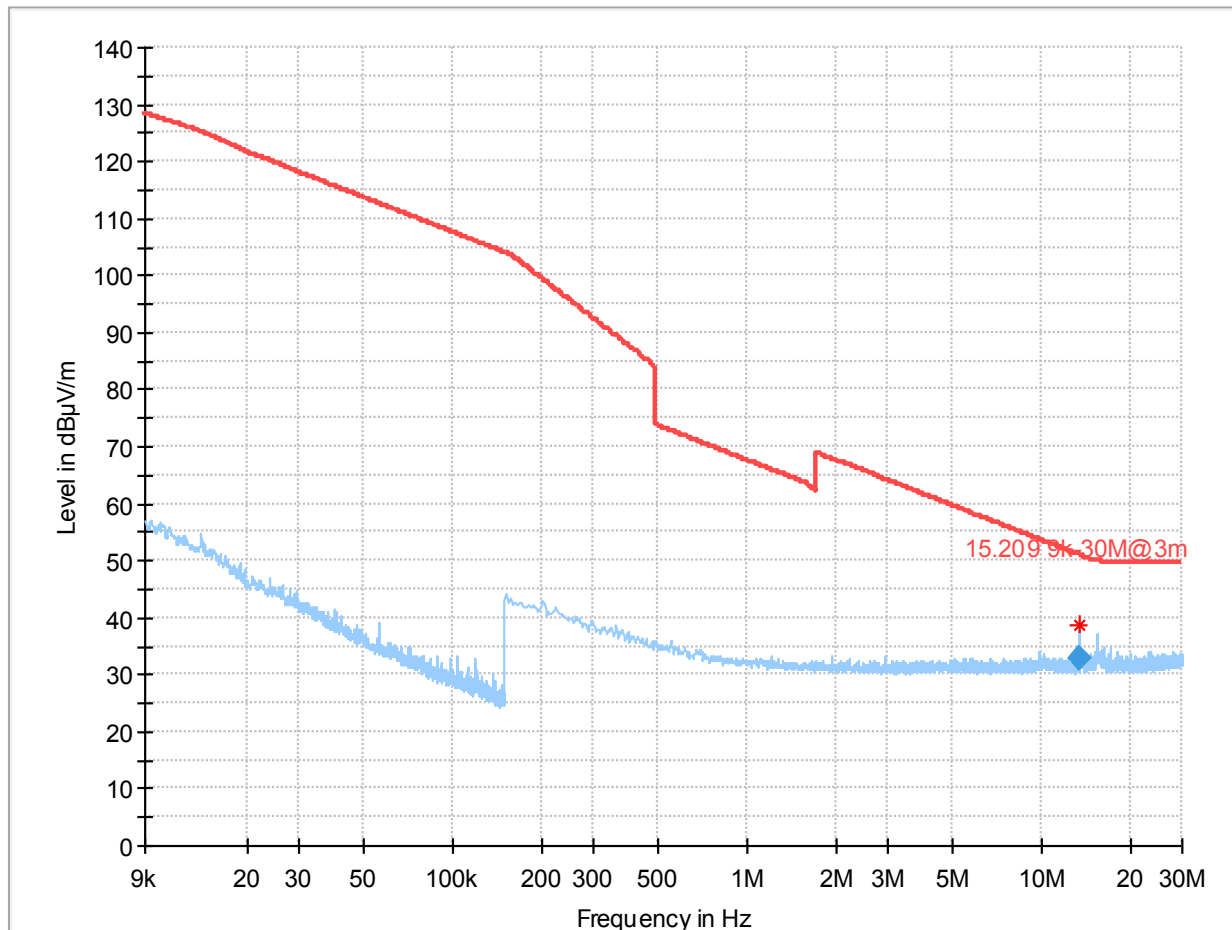
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
41.762000	31.18	40.00	8.82	100.0	120.000	100.0	H	206.0
785.702000	36.43	46.00	9.57	100.0	120.000	103.0	H	63.0

Plot 146: Mode 1, RSE 9 kHz – 30 MHz, channel 100, loop antenna



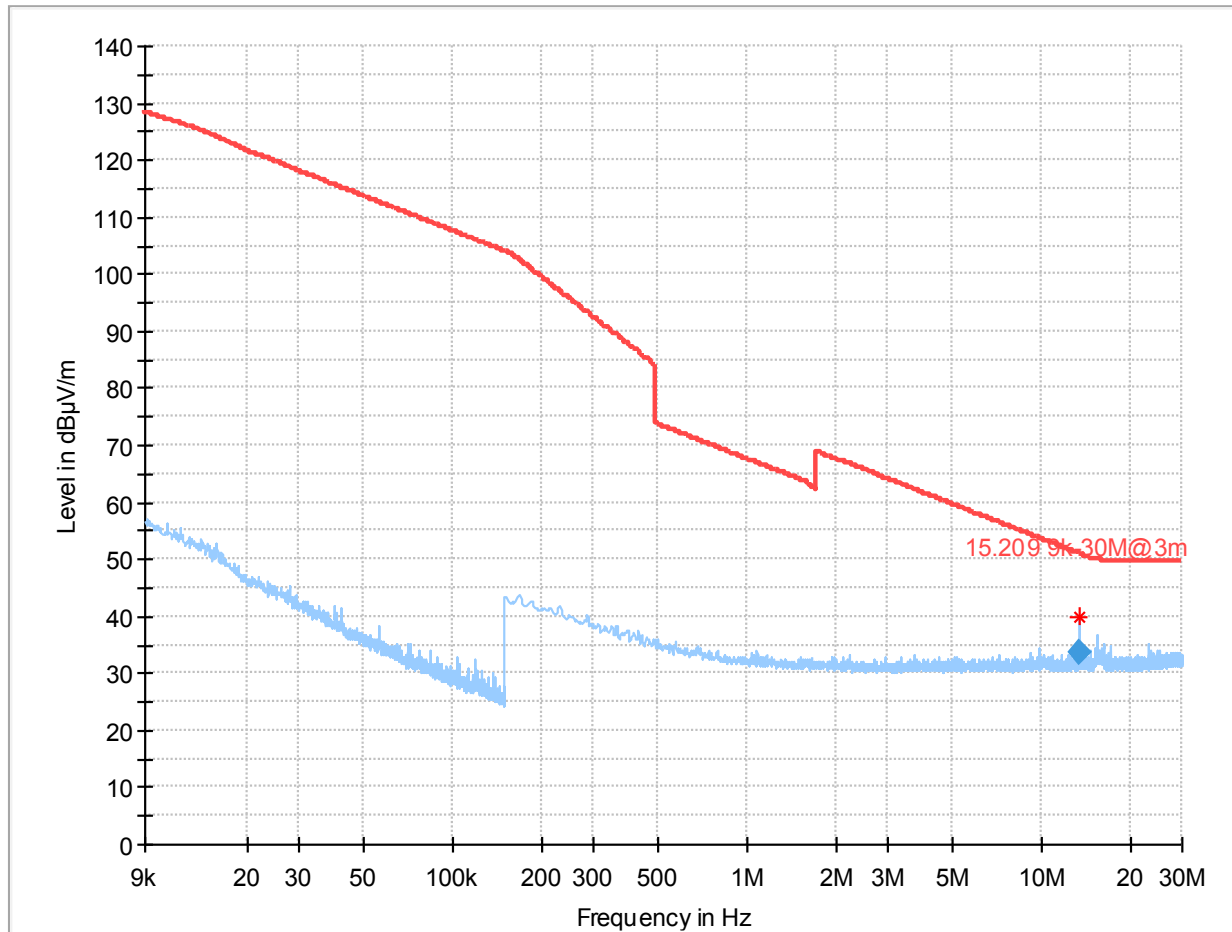
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.43	50.94	17.51	100.0	9.000	H	291.0	20.5

Plot 147: Mode 1, RSE 9 kHz – 30 MHz, channel 140, loop antenna



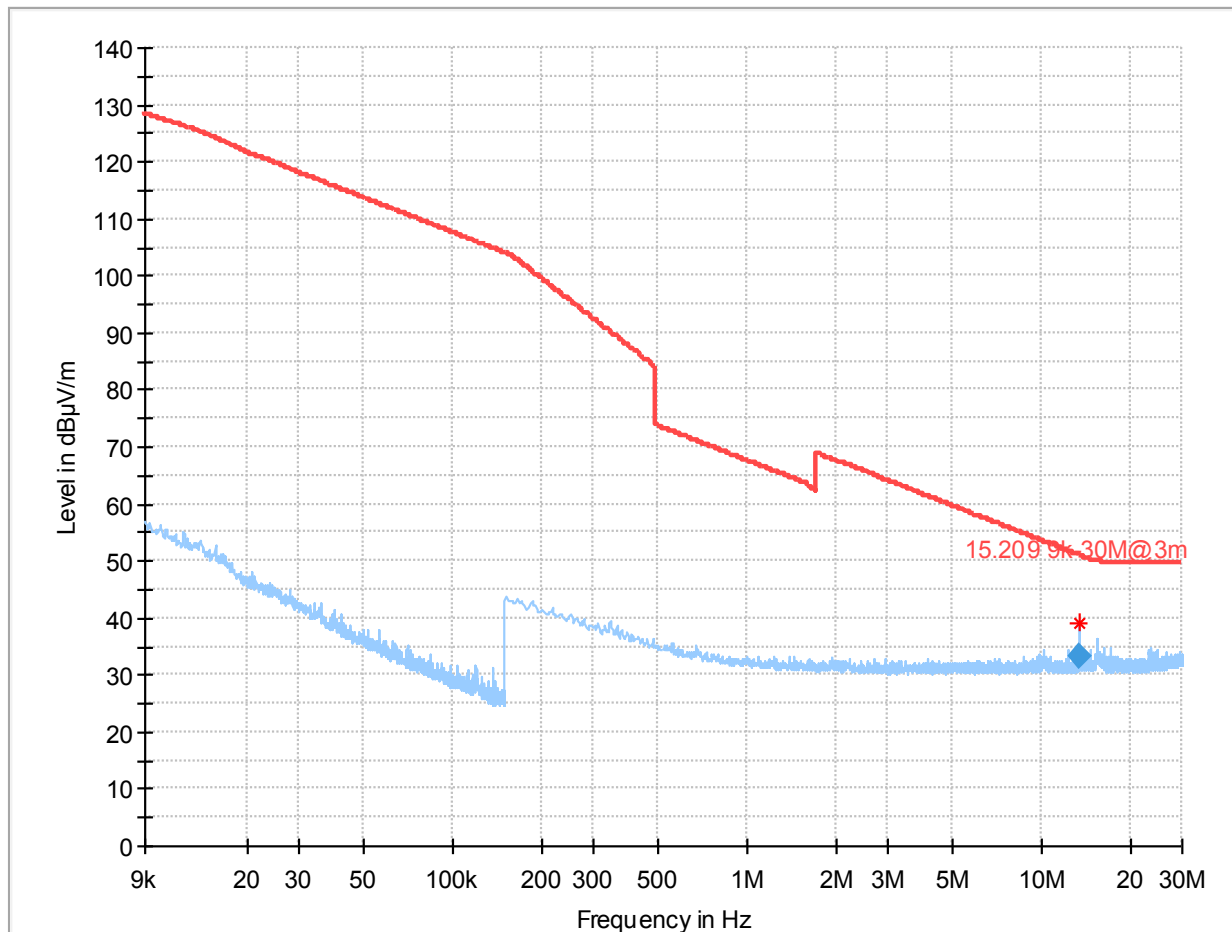
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	32.71	50.94	18.23	100.0	9.000	H	240.0	20.5

Plot 148: Mode 1, RSE 9 kHz – 30 MHz, channel 144, loop antenna



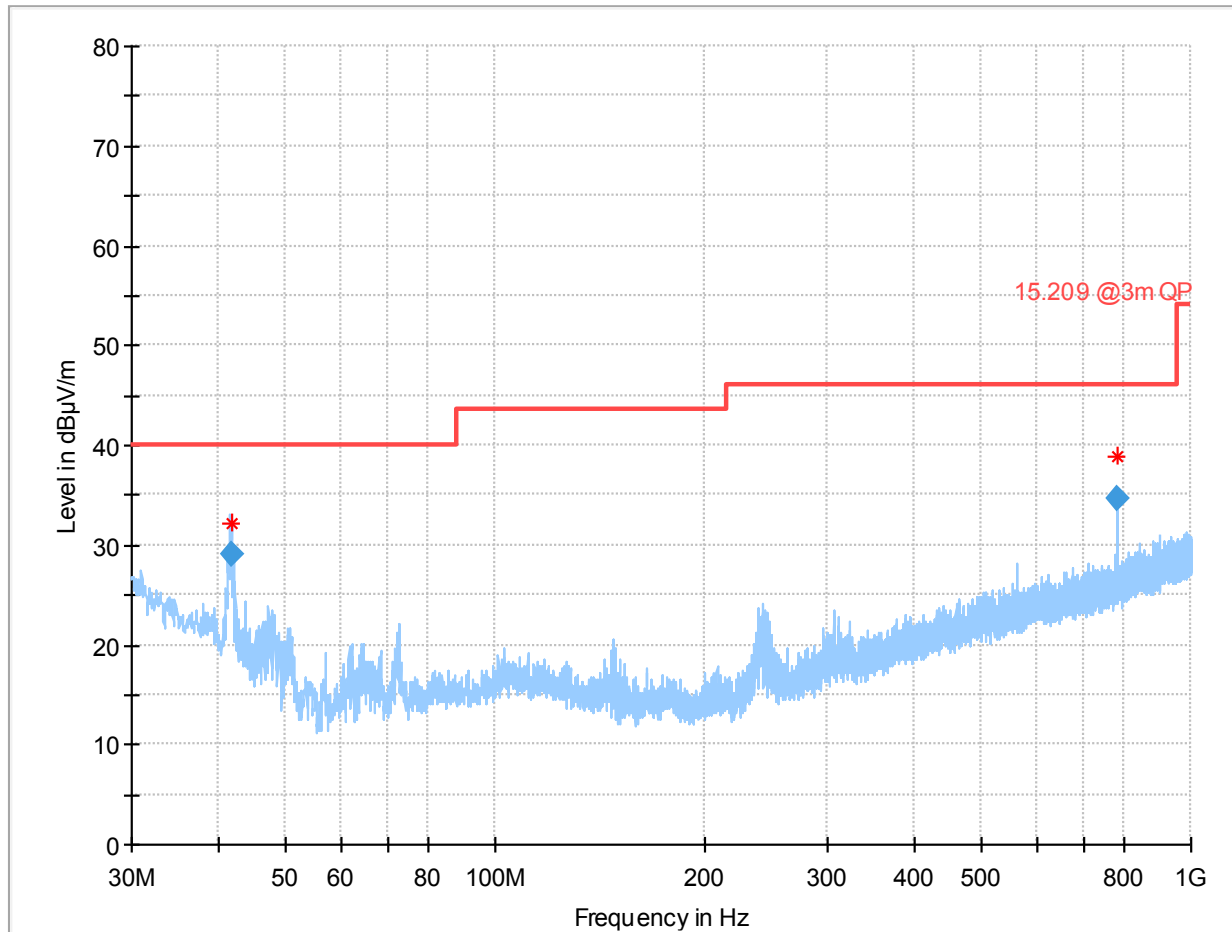
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.56	50.94	17.38	100.0	9.000	H	262.0	20.5

Plot 149: Mode 1, RSE 30 MHz – 1 GHz, channe 100, horizontal / vertical polarisation



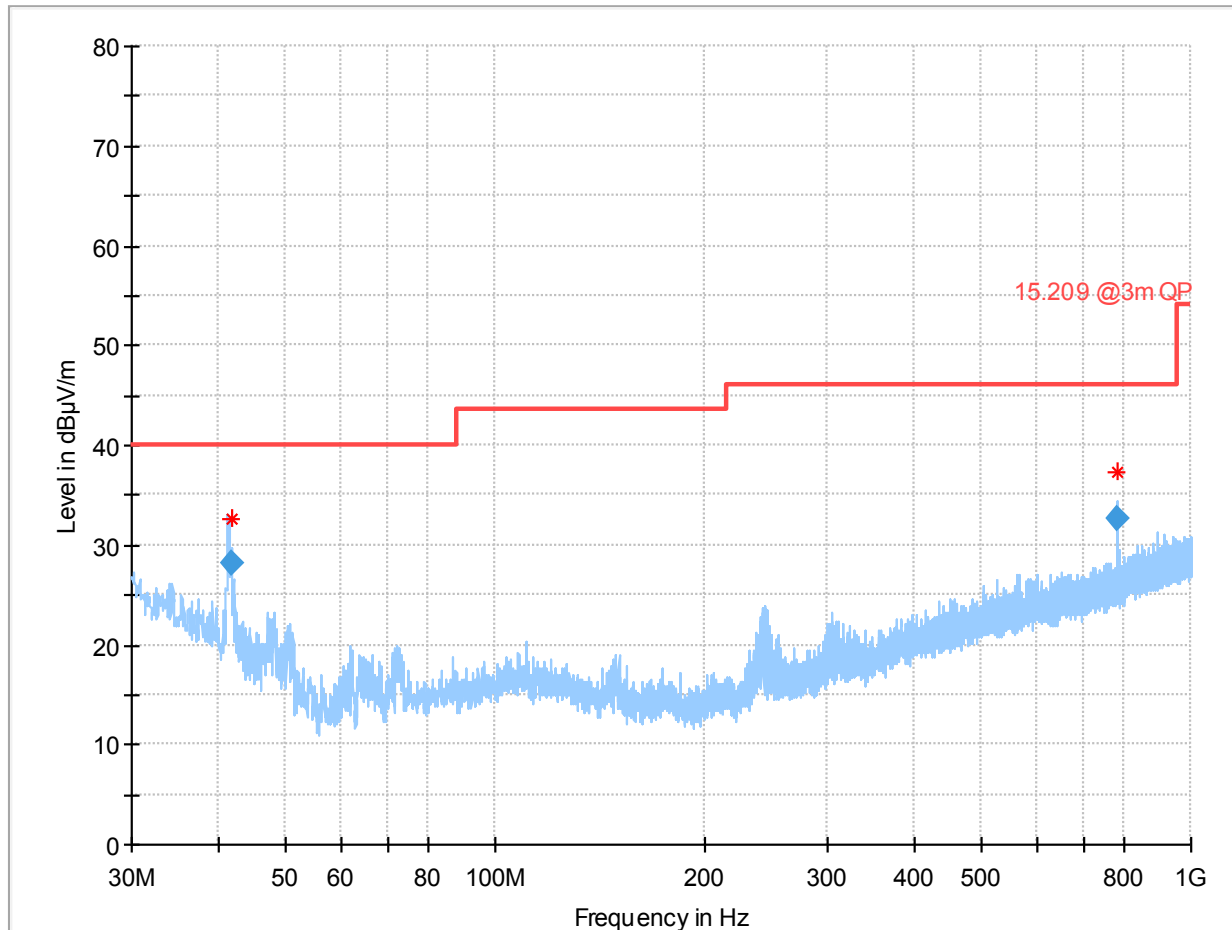
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.43	50.94	17.51	100.0	9.000	H	291.0	20.5

Plot 150: Mode 1, RSE 30 MHz – 1 GHz, channe 140, horizontal / vertical polarisation



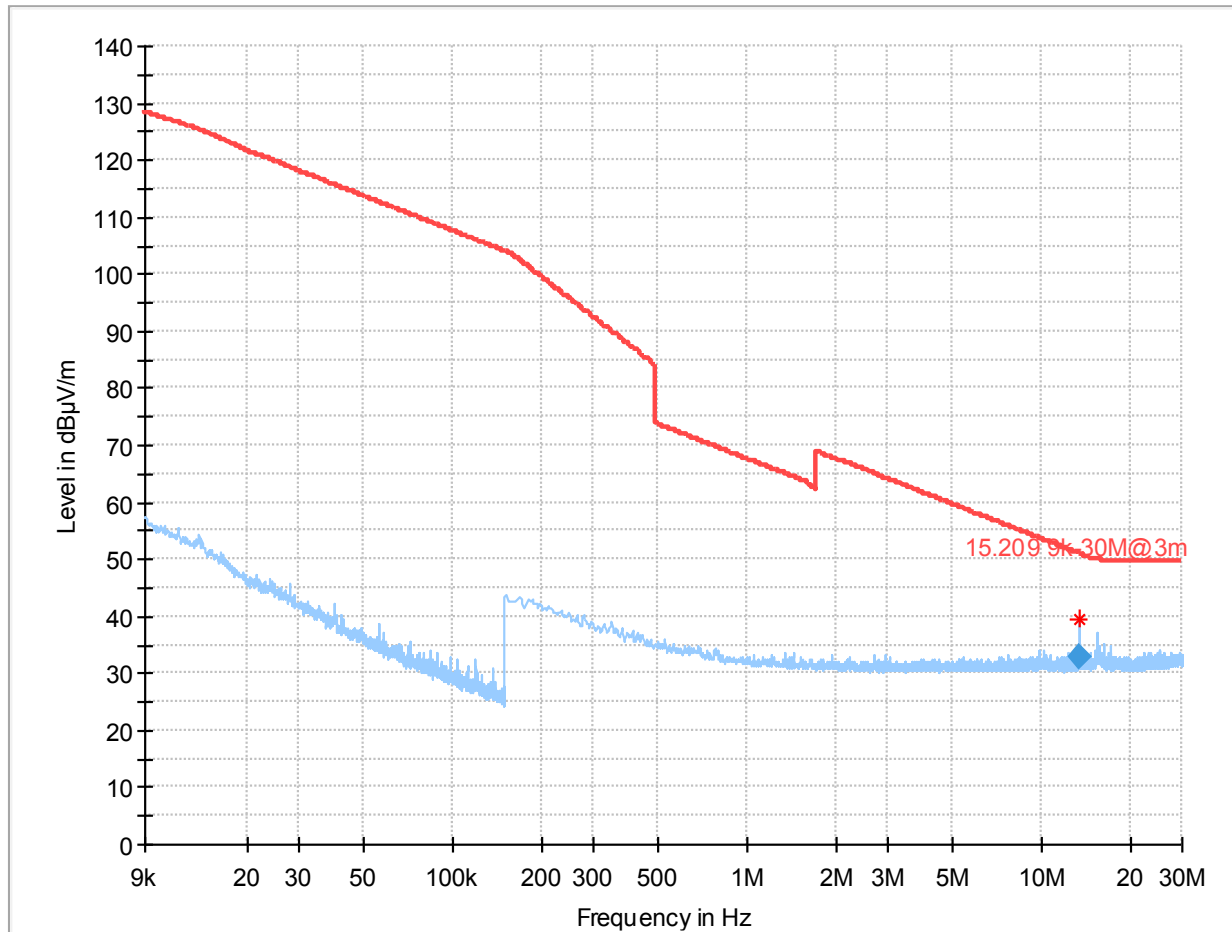
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
41.769500	29.10	40.00	10.90	100.0	120.000	100.0	H	262.0
785.703500	34.71	46.00	11.29	100.0	120.000	118.0	V	304.0

Plot 151: Mode 1, RSE 30 MHz – 1 GHz, channe 144, horizontal / vertical polarisation



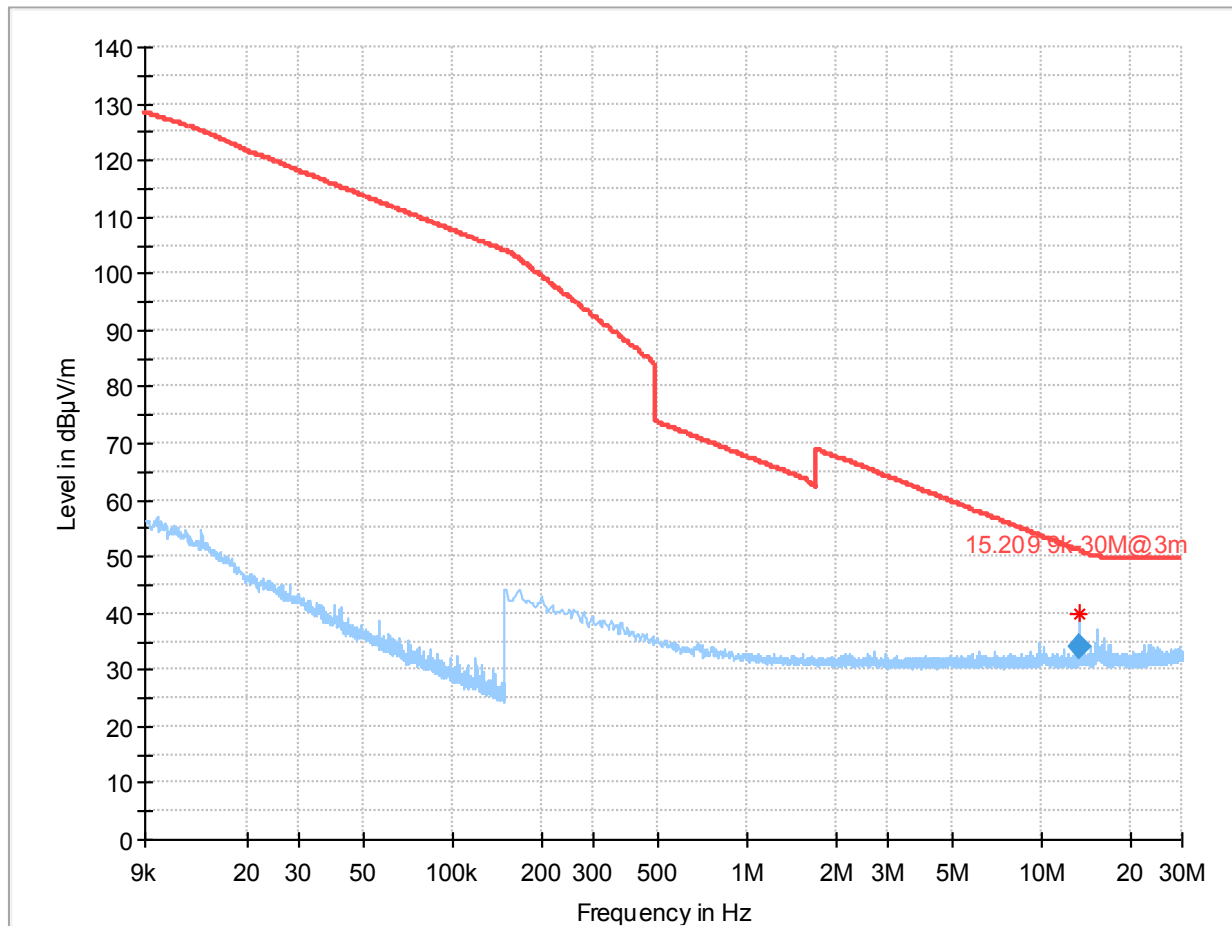
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
41.752000	28.20	40.00	11.80	100.0	120.000	100.0	H	68.0
785.702000	32.53	46.00	13.47	100.0	120.000	270.0	H	267.0

Plot 152: Mode 1, RSE 9 kHz – 30 MHz, channel 149, loop antenna



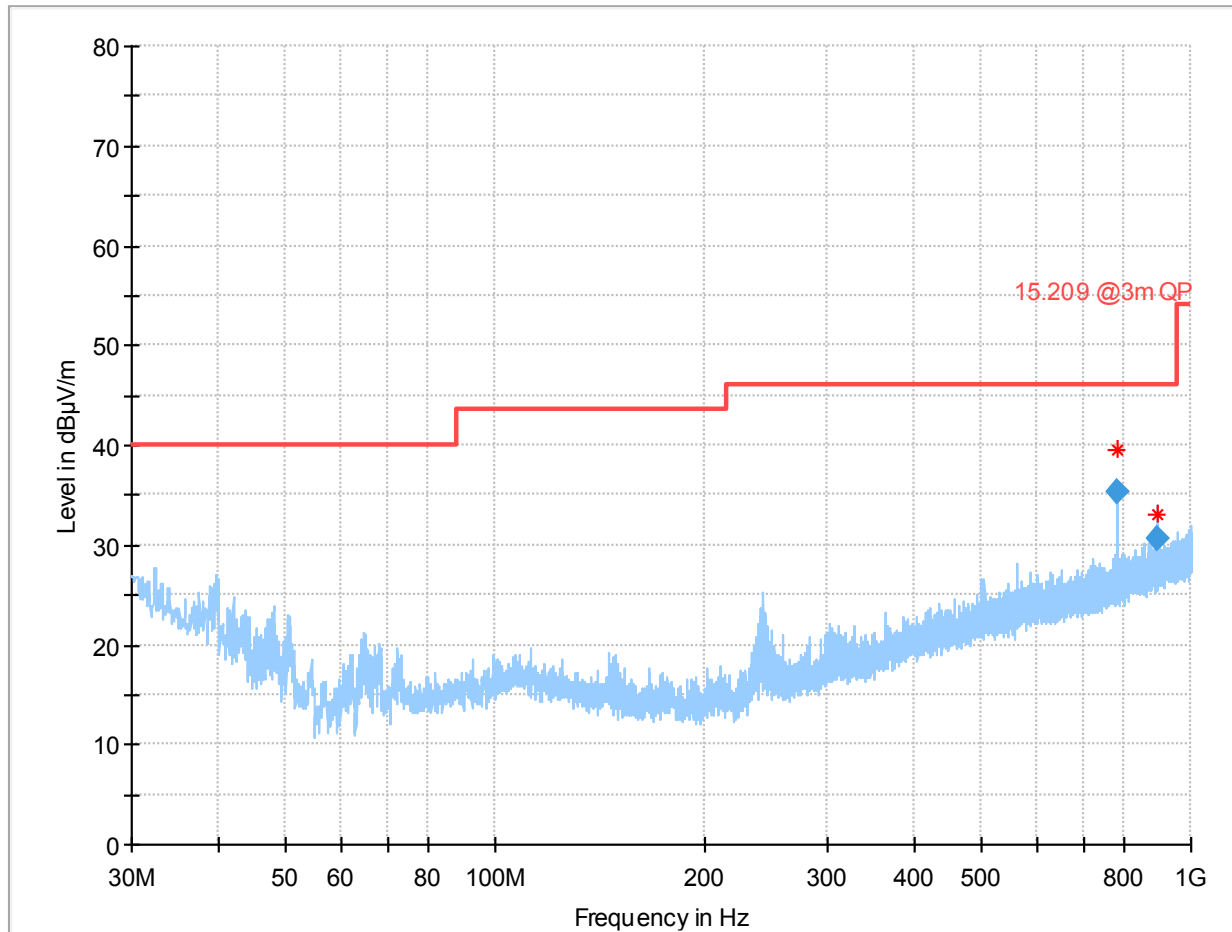
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	32.72	50.94	18.22	100.0	9.000	H	246.0	20.5

Plot 153: Mode 1, RSE 9 kHz – 30 MHz, channel 165, loop antenna



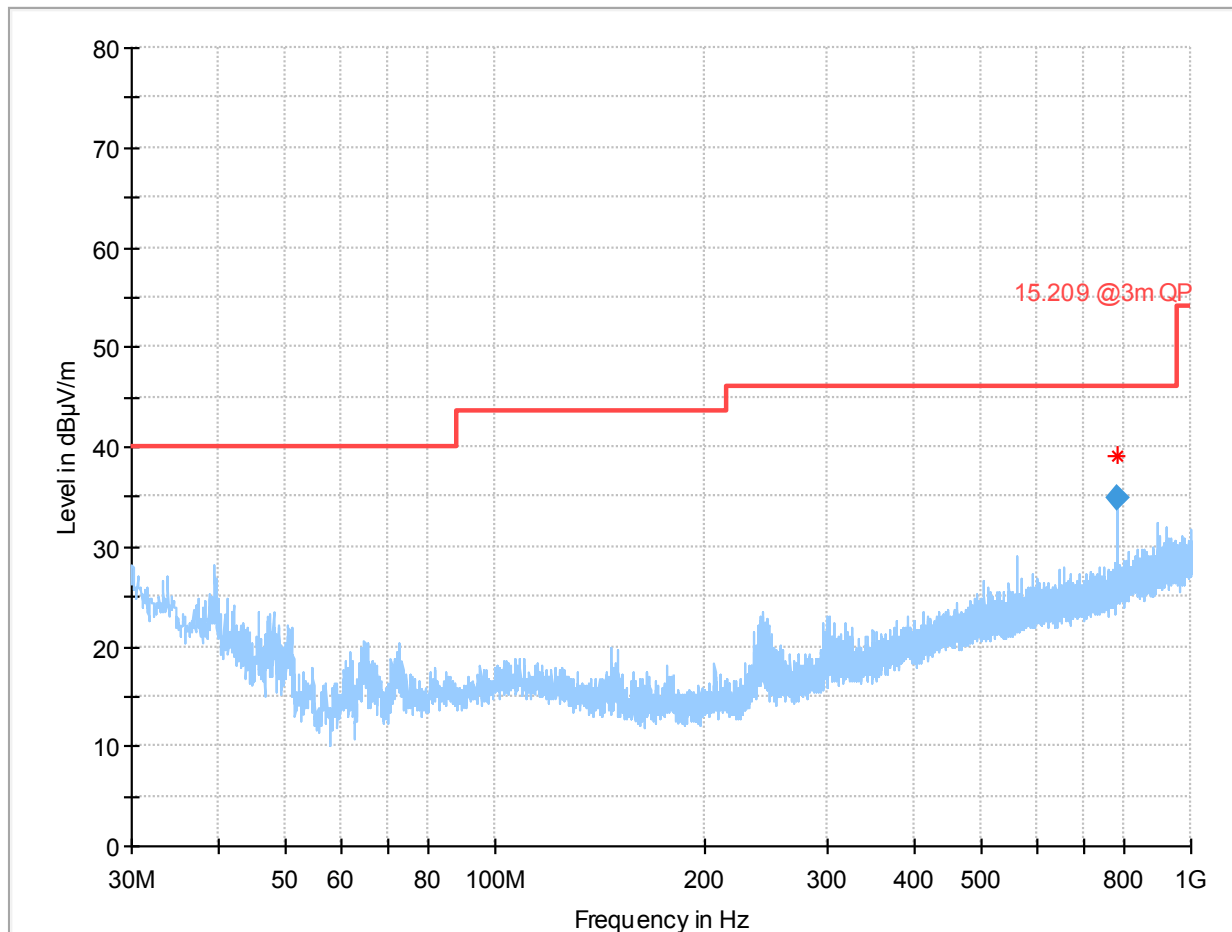
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.98	50.94	16.96	100.0	9.000	H	60.0	20.5

Plot 154: Mode 1, RSE 30 MHz – 1 GHz, channel 149, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
785.702000	35.24	46.00	10.76	100.0	120.000	100.0	H	277.0
897.957500	30.58	46.00	15.42	100.0	120.000	100.0	H	54.0

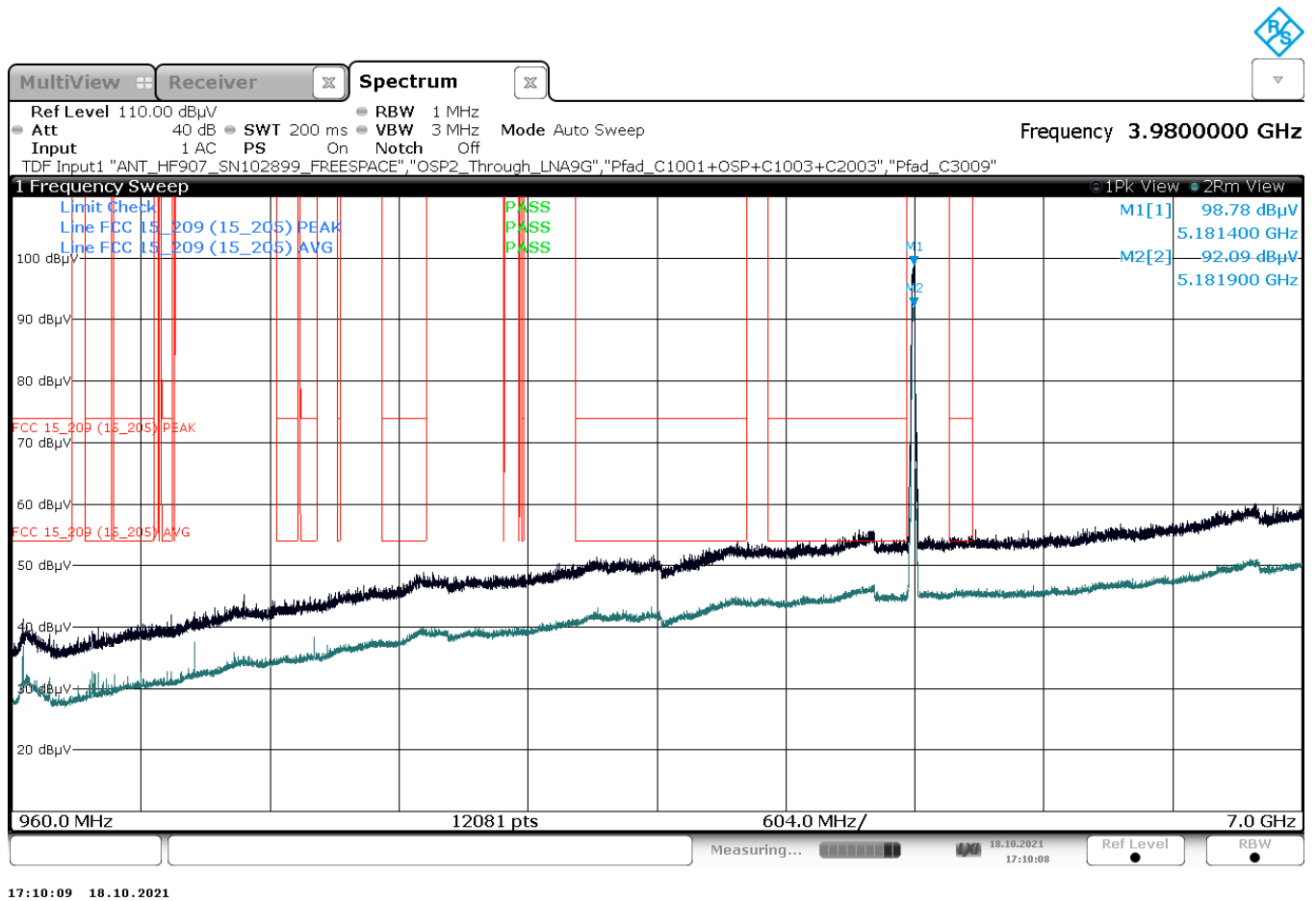
Plot 155: Mode 1, RSE 30 MHz – 1 GHz, channel 165, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
785.702000	34.96	46.00	11.04	100.0	120.000	100.0	H	271.0

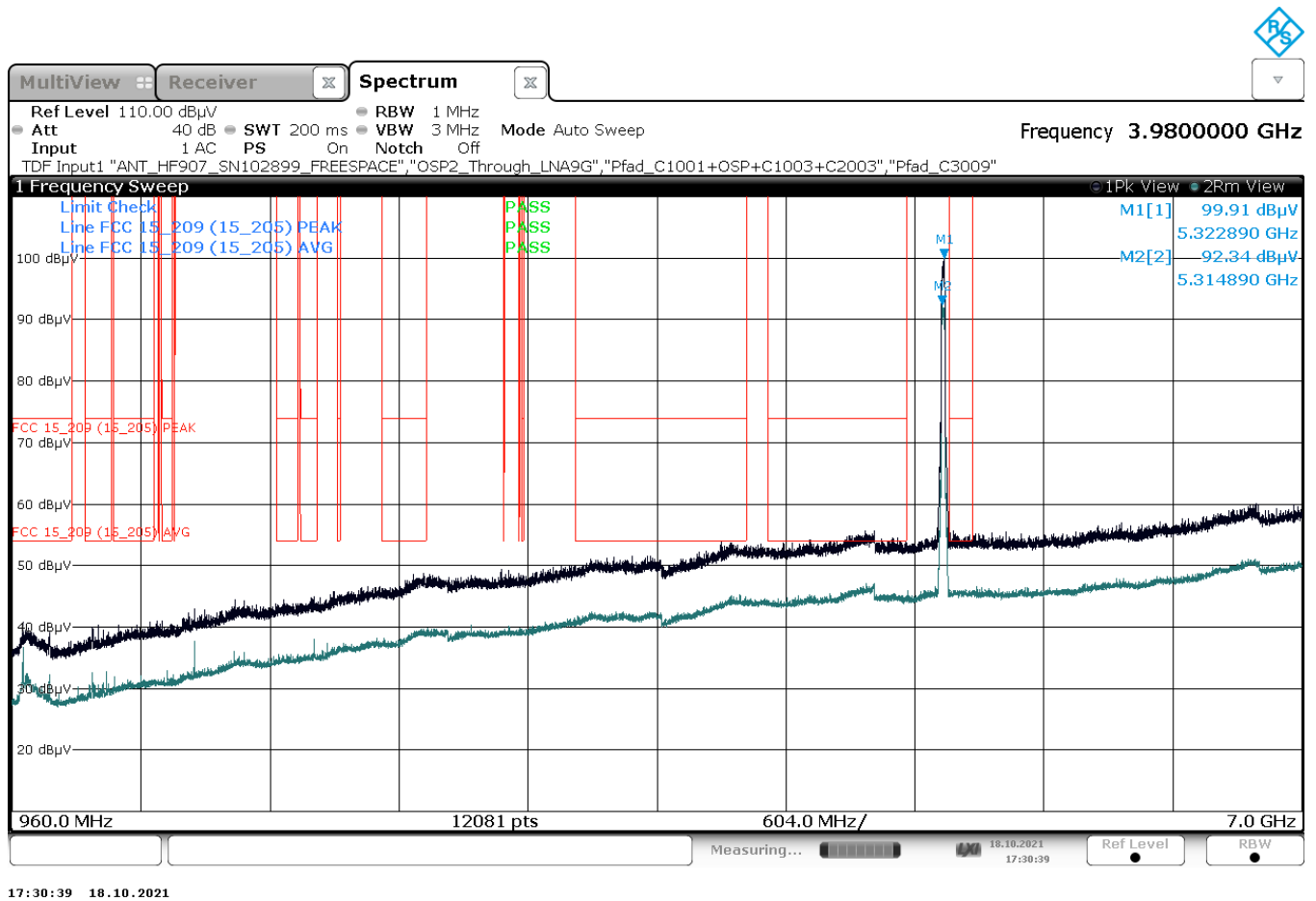
Annex A of TR no.: 21086128-23003-1

Plot 156: Mode 1, RSE 1 GHz – 7 GHz, channel 36, horizontal / vertical polarisation



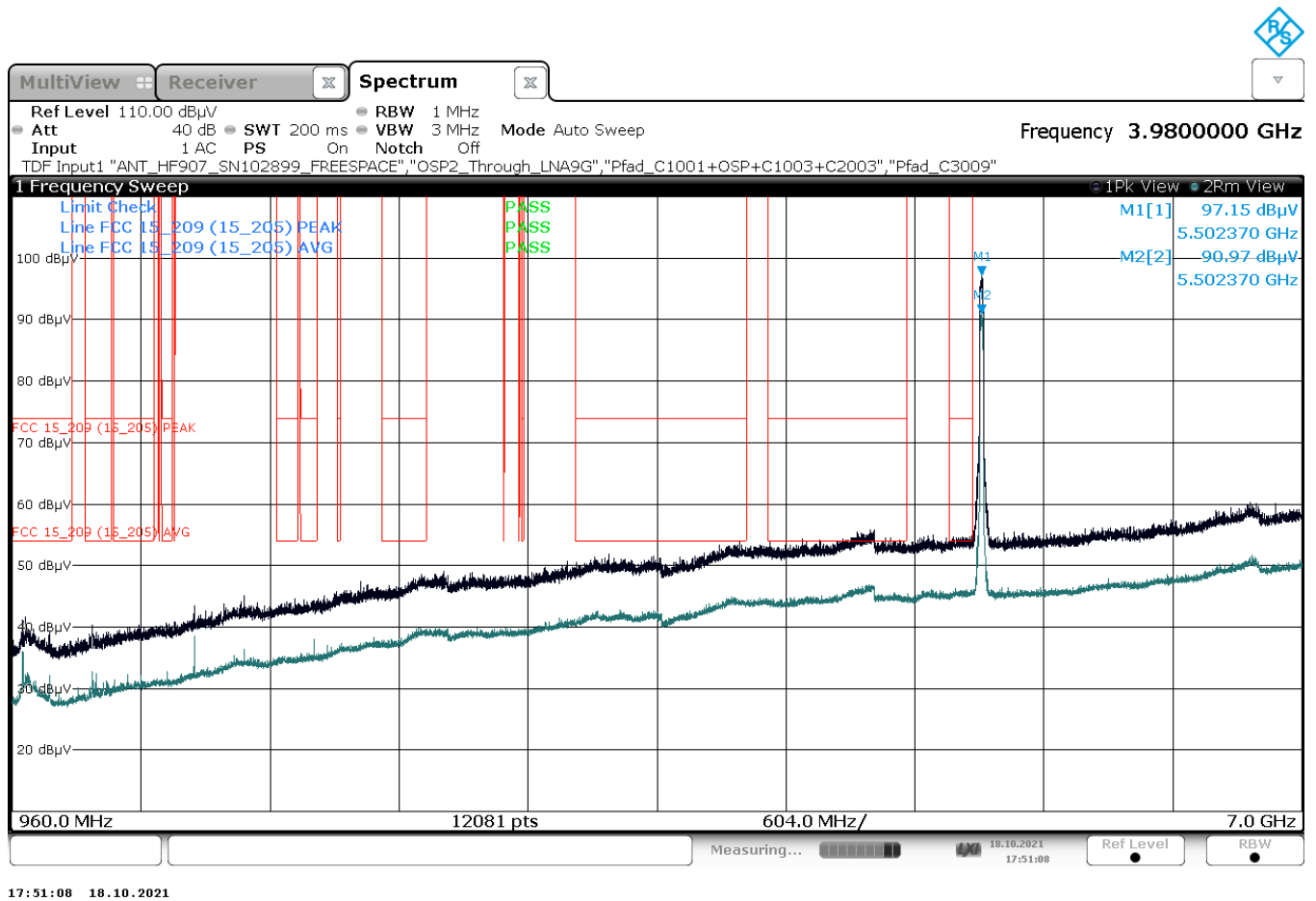
Annex A of TR no.: 21086128-23003-1

Plot 157: Mode 1, RSE 1 GHz – 7 GHz, channel 64, horizontal / vertical polarisation



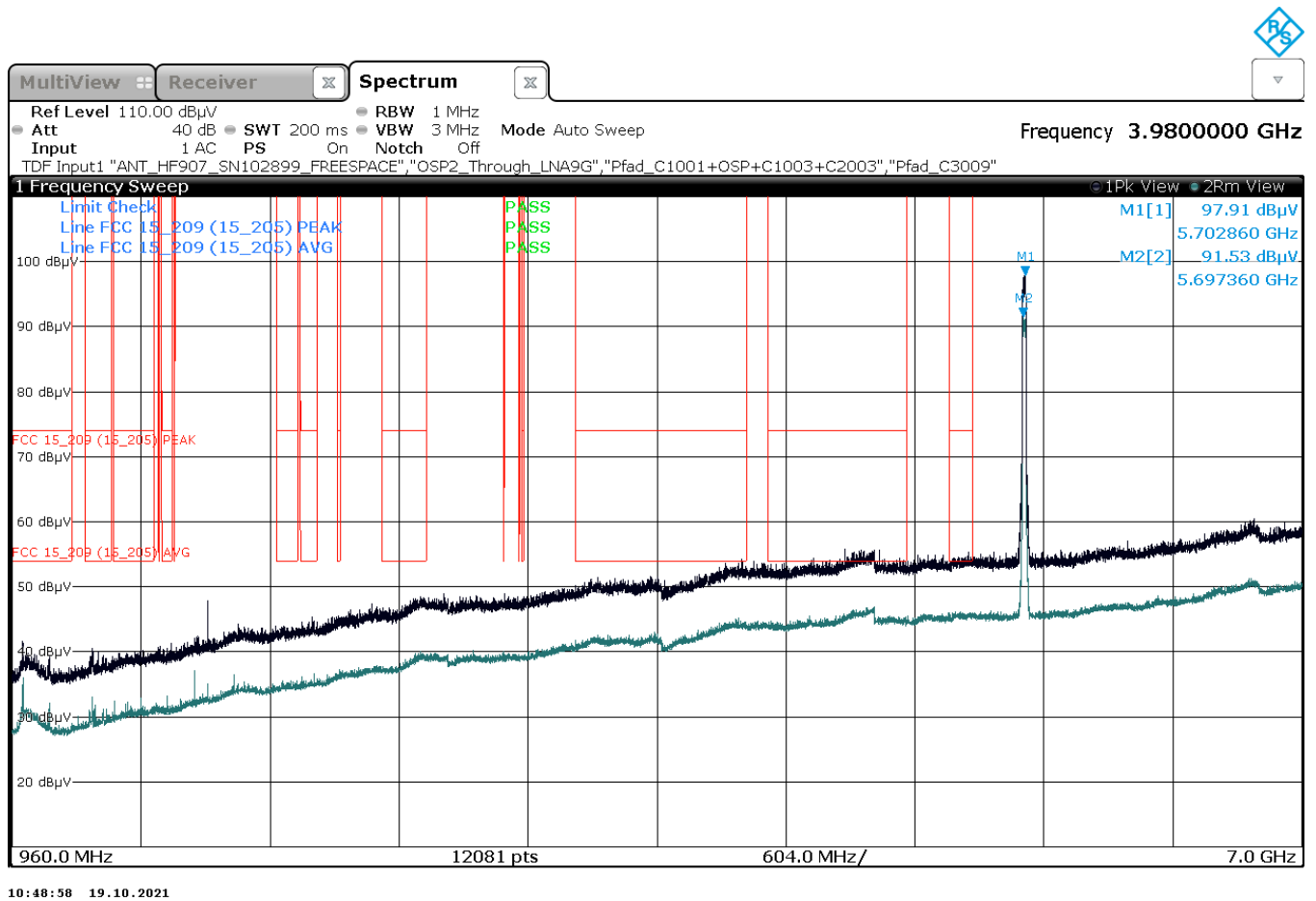
Annex A of TR no.: 21086128-23003-1

Plot 158: Mode 1, RSE 1 GHz – 7 GHz, channel 100, horizontal / vertical polarisation



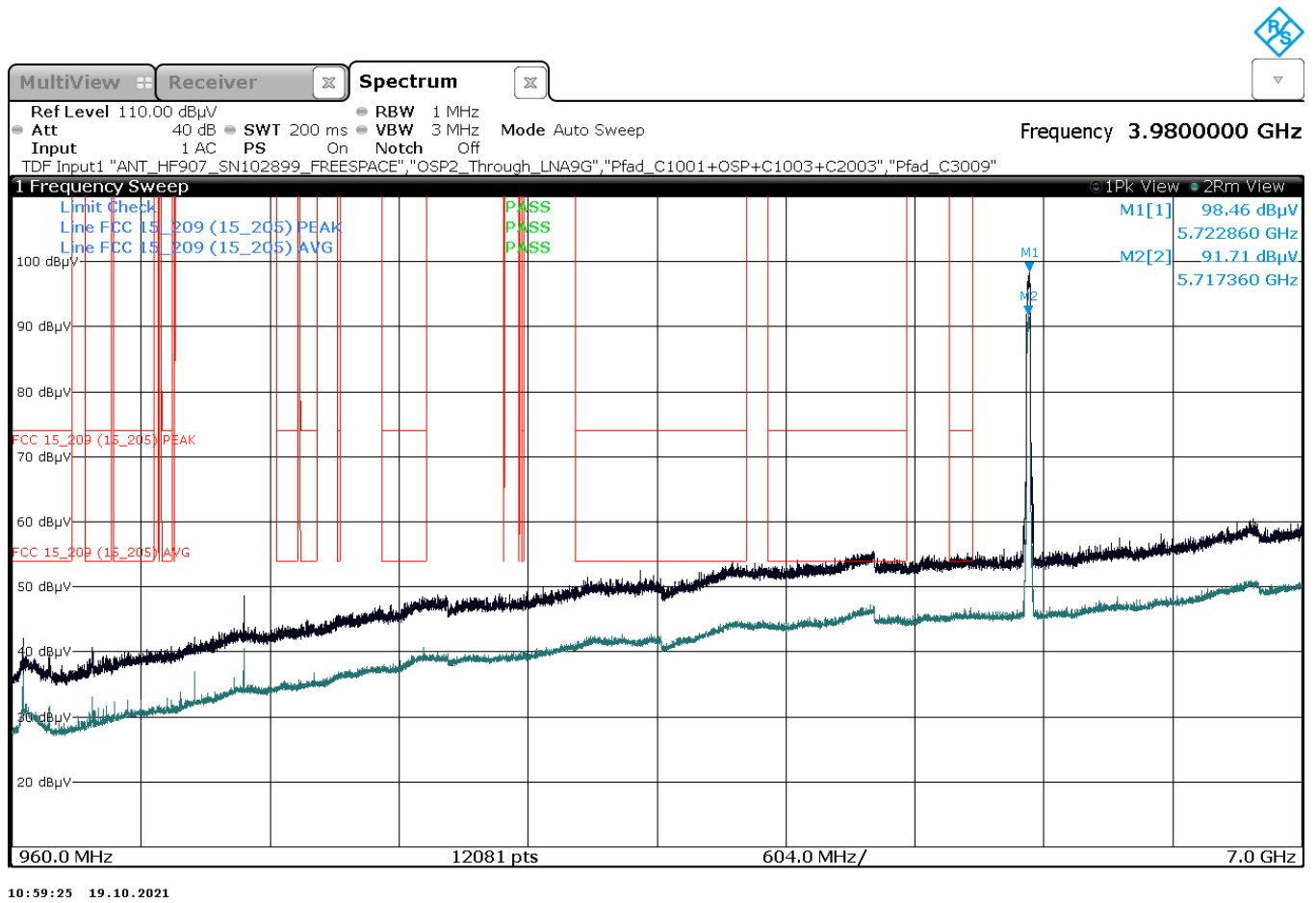
Annex A of TR no.: 21086128-23003-1

Plot 159: Mode 1, RSE 1 GHz – 7 GHz, channel 140, horizontal / vertical polarisation



Annex A of TR no.: 21086128-23003-1

Plot 160: Mode 1, RSE 1 GHz – 7 GHz, channel 144, horizontal / vertical polarisation



Annex A of TR no.: 21086128-23003-1

Plot 161: Mode 1, RSE 1 GHz – 7 GHz, channel 149, horizontal / vertical polarisation

