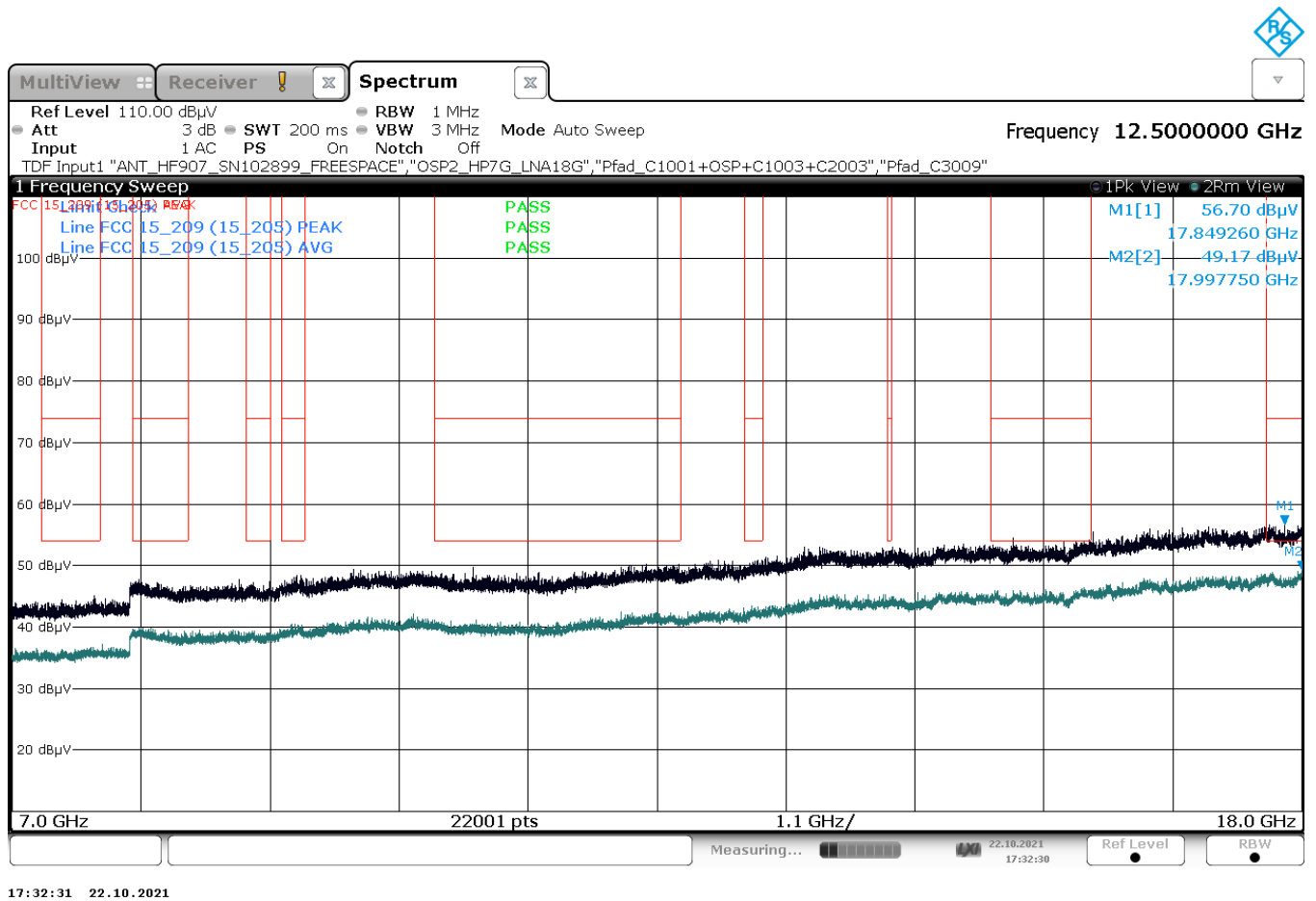


Annex A of TR no.: 21086128-23003-1

Plot 41: Mode 1, RSE 7 GHz – 18 GHz, channel 165, horizontal / vertical polarisation



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 §15.407(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

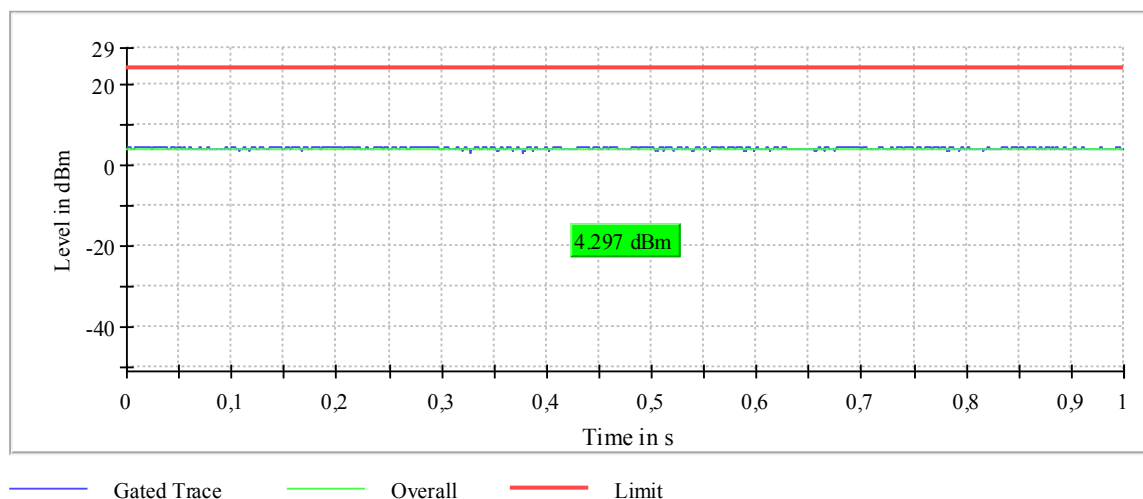
DUT Name: prePV 40
 Manufacturer: Mitsubishi Electric Corporation
 Serial Number: 66403

Plot 42: 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	4.3	24.0	4.3	95.178	PASS

Gated Trace

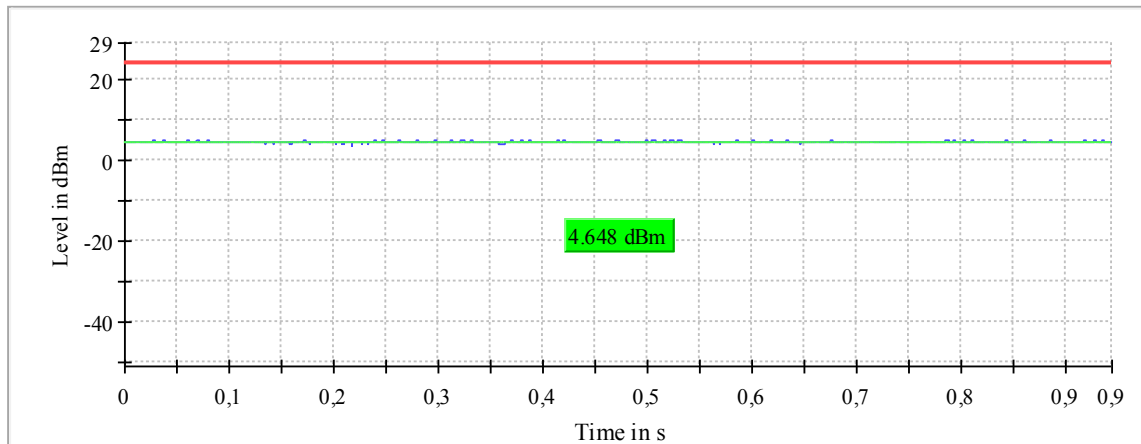


Plot 43: Mode 1, U-NII-1, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5220.000000	4.6	24.0	4.6	94.705	PASS

Gated Trace



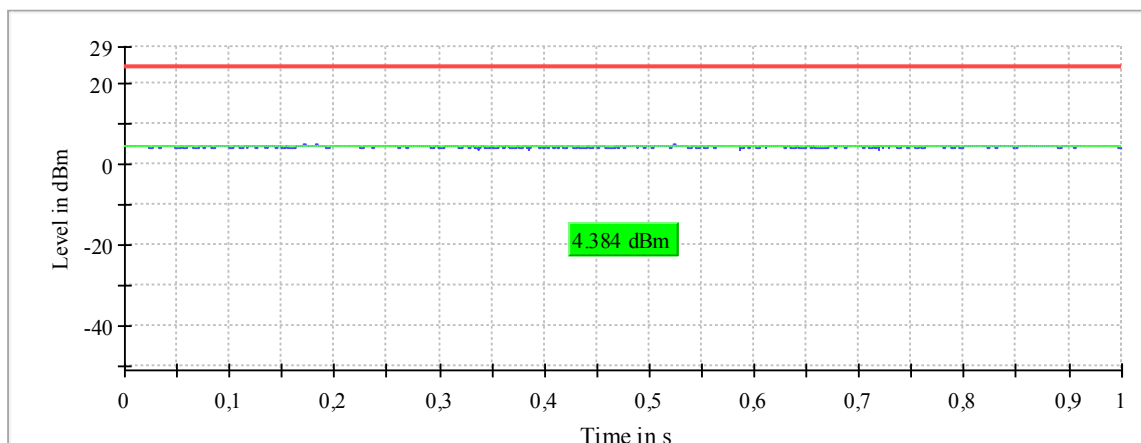
— Gated Trace — Overall — Limit

Plot 44: Mode 1, U-NII-1, AVGPM-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5240.000000	4.4	24.0	4.4	95.275	PASS

Gated Trace



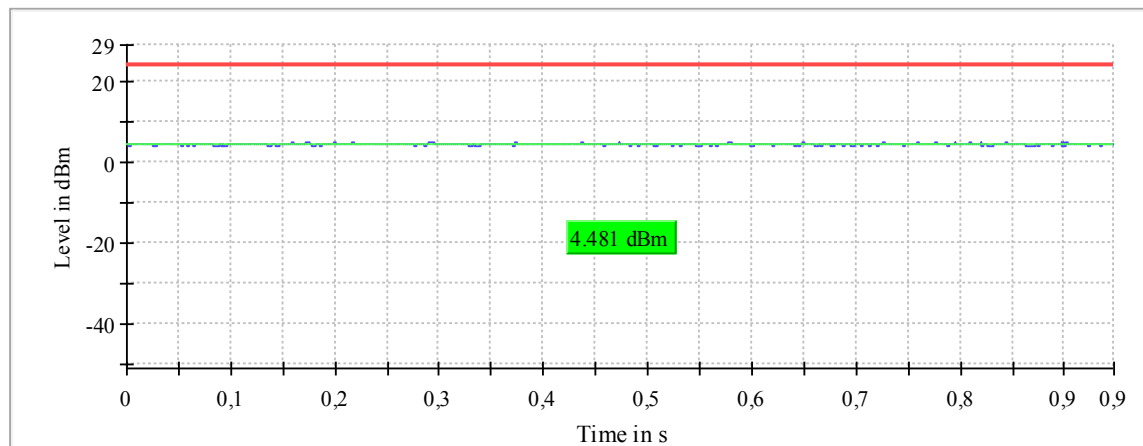
— Gated Trace — Overall — Limit

Plot 45: Mode 1, U-NII-2A, AVGPM-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5260.000000	4.5	24.0	4.5	95.028	PASS

Gated Trace



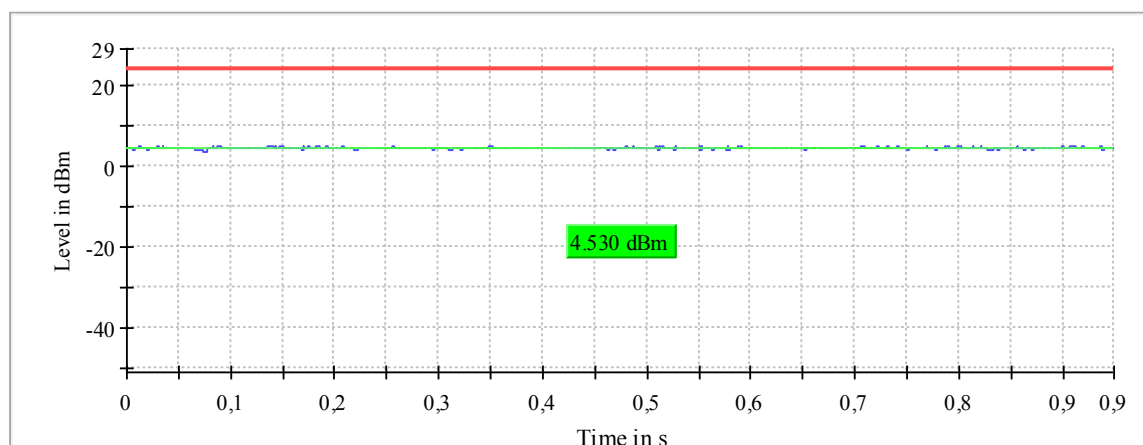
— Gated Trace — Overall — Limit

Plot 46: Mode 1, U-NII-2A, AVGPM-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5300.000000	4.5	24.0	4.5	95.087	PASS

Gated Trace



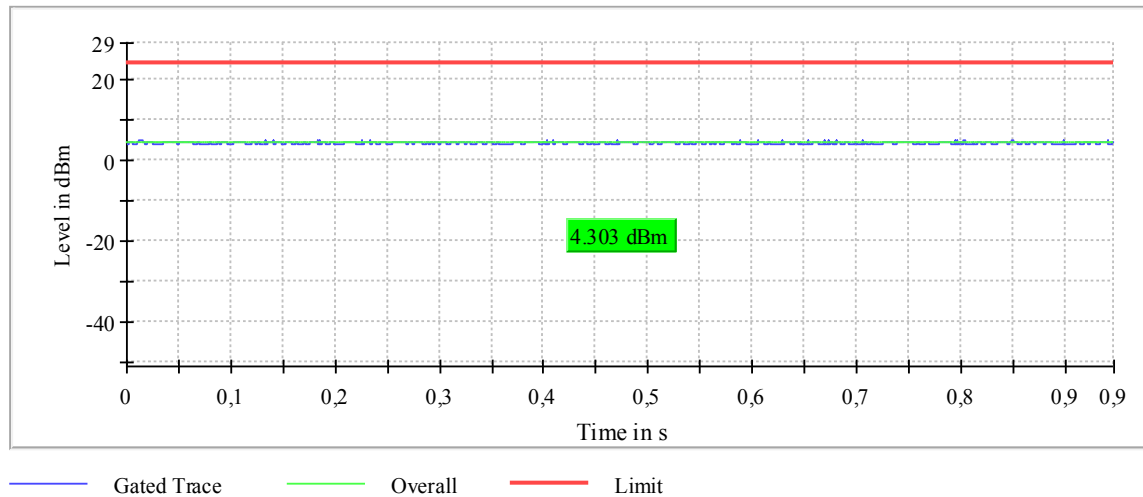
— Gated Trace — Overall — Limit

Plot 47: 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	4.3	24.0	4.3	95.035	PASS

Gated Trace

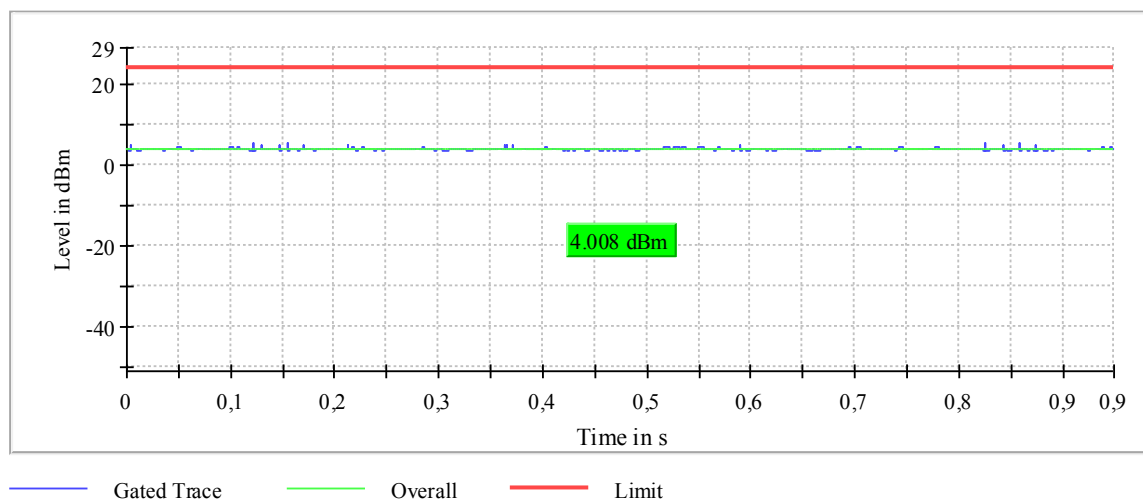


Plot 48: Mode 1, U-NII-2C, AVGP-M-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5500.000000	4.0	24.0	4.0	95.108	PASS

Gated Trace

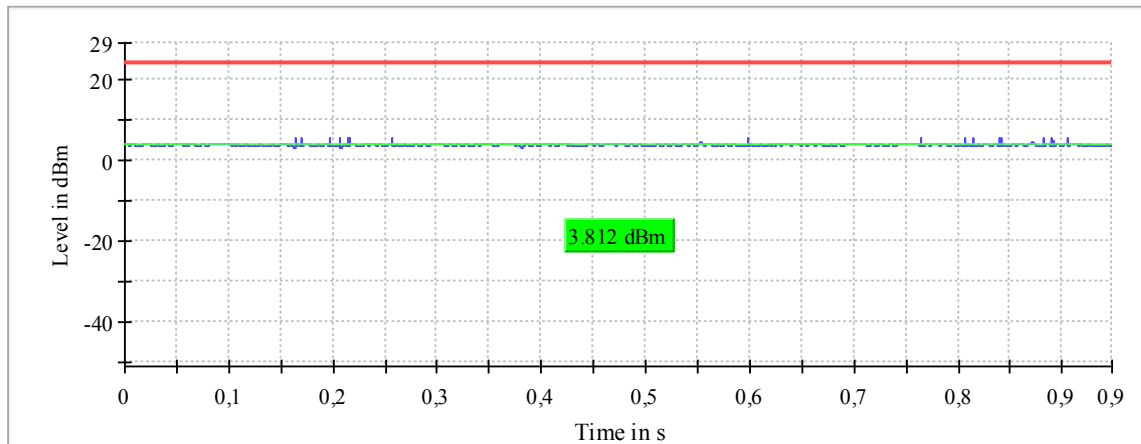


Plot 49: Mode 1, U-NII-2C, AVGP-M-G Gated Average Power Measurement, mid channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5600.000000	3.8	24.0	3.8	94.987	PASS

Gated Trace



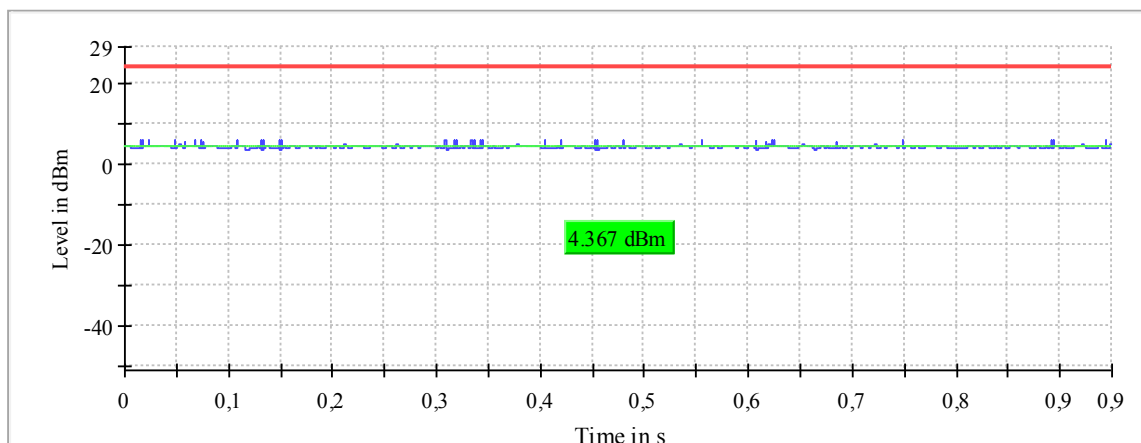
— Gated Trace — Overall — Limit

Plot 50: Mode 1, U-NII-2C, AVGP-M-G Gated Average Power Measurement, high channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5700.000000	4.4	24.0	4.4	95.081	PASS

Gated Trace



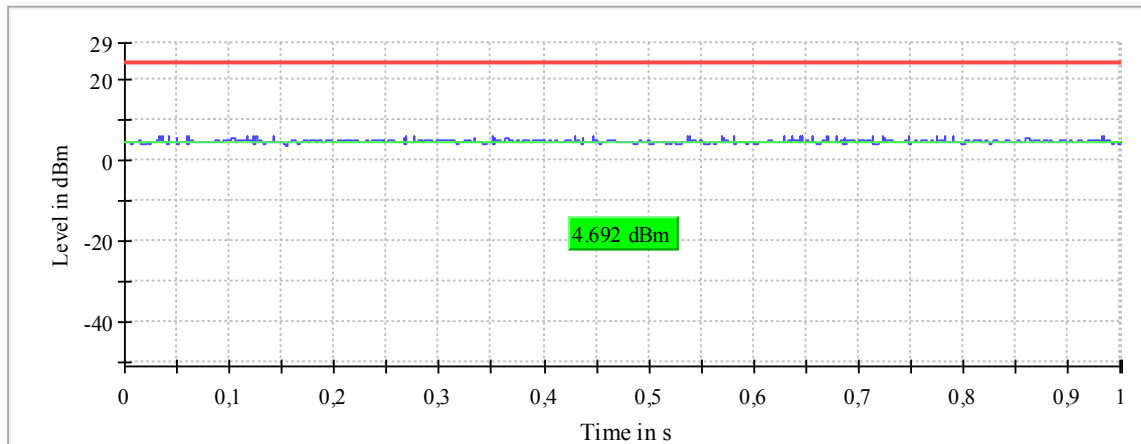
— Gated Trace — Overall — Limit

Plot 51: Mode 1, U-NII-2C, AVGP-M-G Gated Average Power Measurement, channel 144

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5720.000000	4.7	24.0	4.7	95.344	PASS

Gated Trace



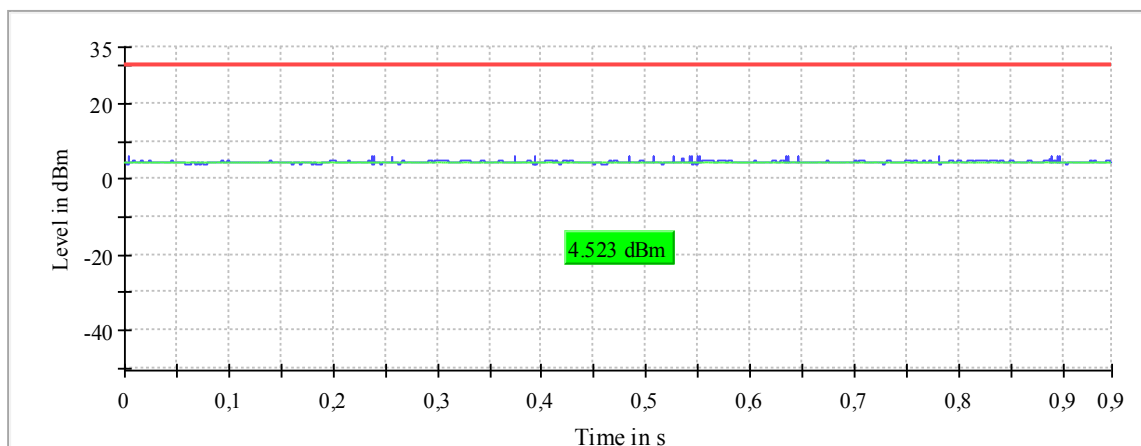
— Gated Trace — Overall — Limit

Plot 52: Mode 1, U-NII-3, AVGP-M-G Gated Average Power Measurement, low channel

Result

DUT Frequency (MHz)	Gated RMS (dBm)	Limit Max (dBm)	Gated EIRP (dBm)	DutyCycle (%)	Result
5745.000000	4.5	30.0	4.5	95.011	PASS

Gated Trace



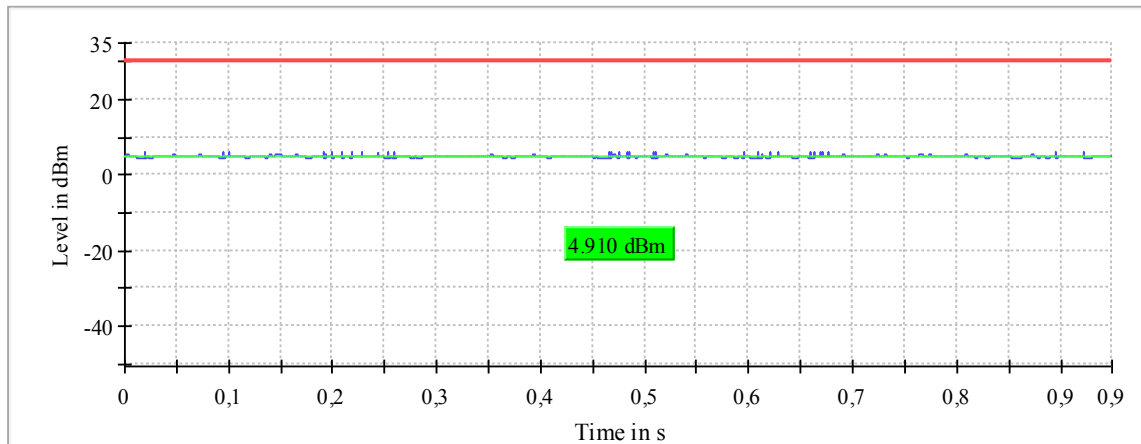
— Gated Trace — Overall — Limit

Plot 53: 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	4.9	30.0	4.9	95.130	PASS

Gated Trace



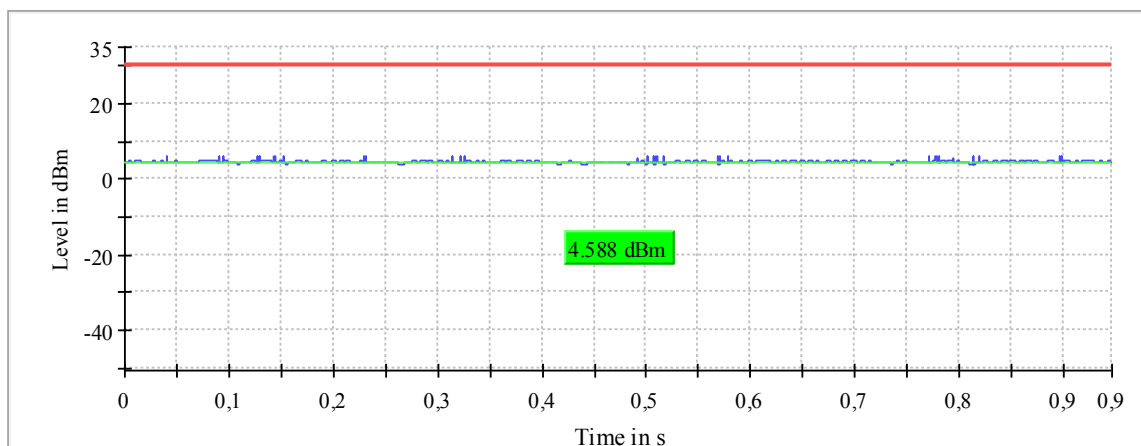
— Gated Trace — Overall — Limit

Plot 54: 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	4.6	30.0	4.6	94.881	PASS

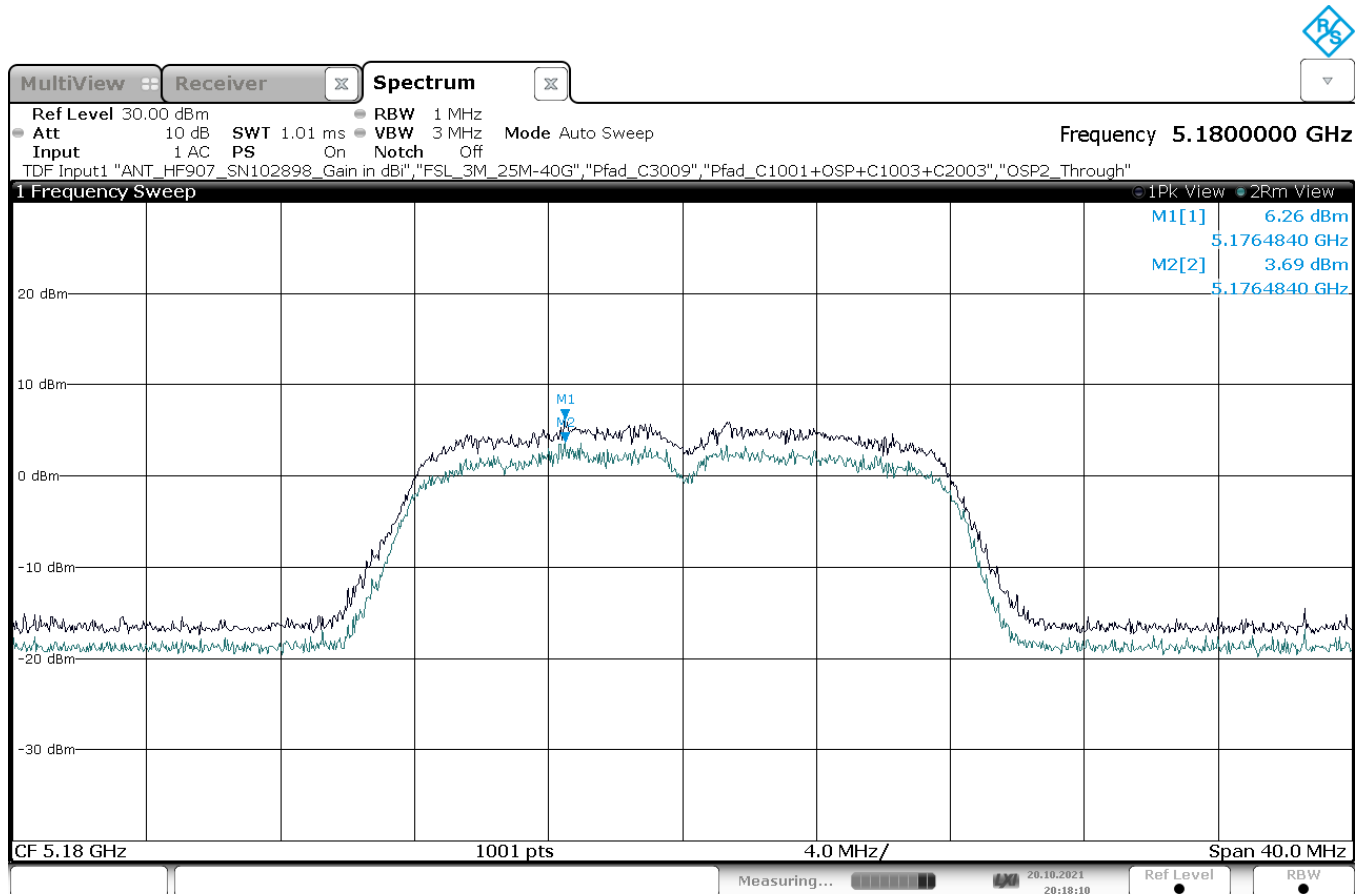
Gated Trace



— Gated Trace — Overall — Limit

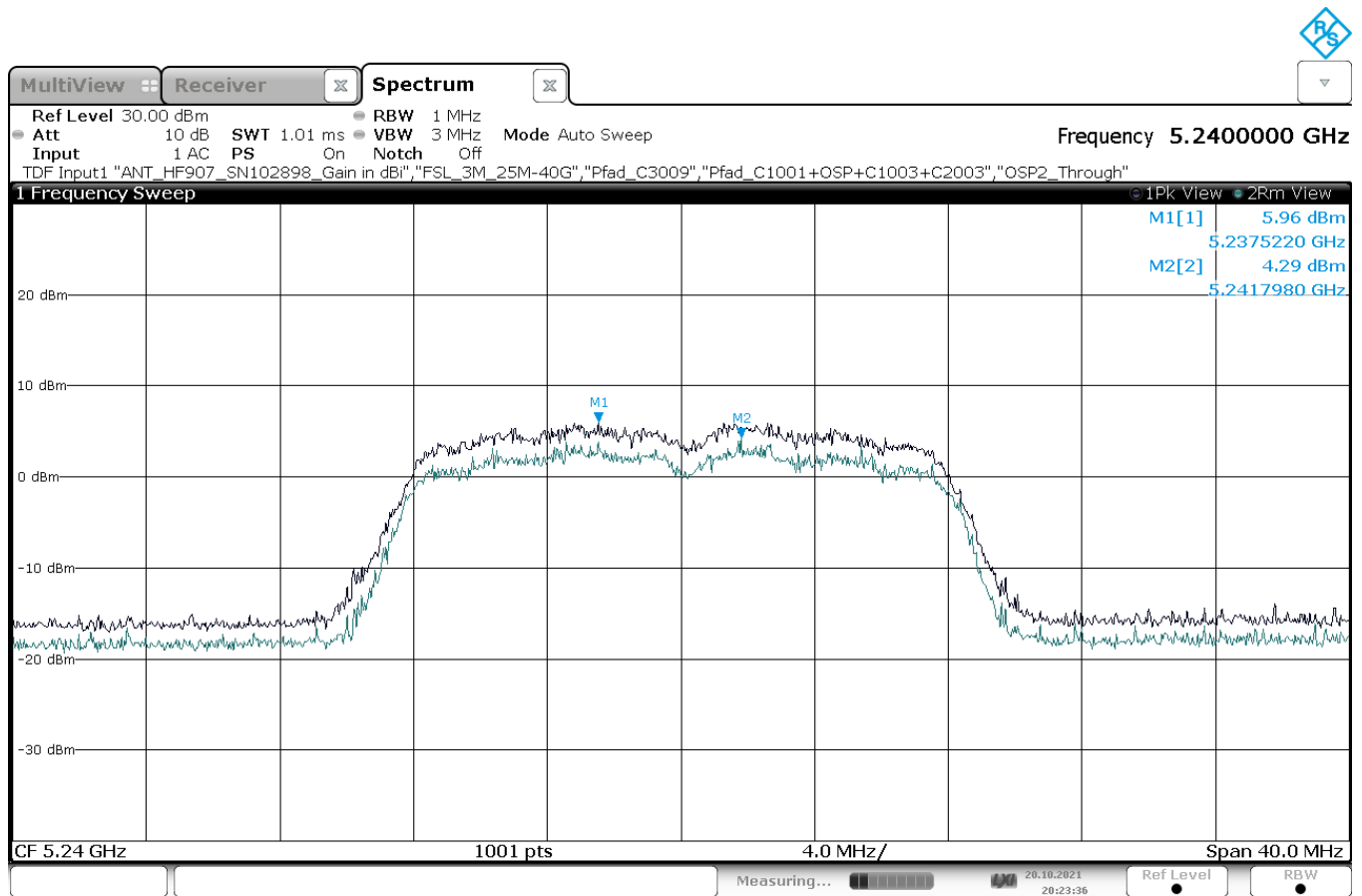
2.4.2 Radiated Peak Power (Peak EIRP)

Plot 55: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 36, 5180 MHz



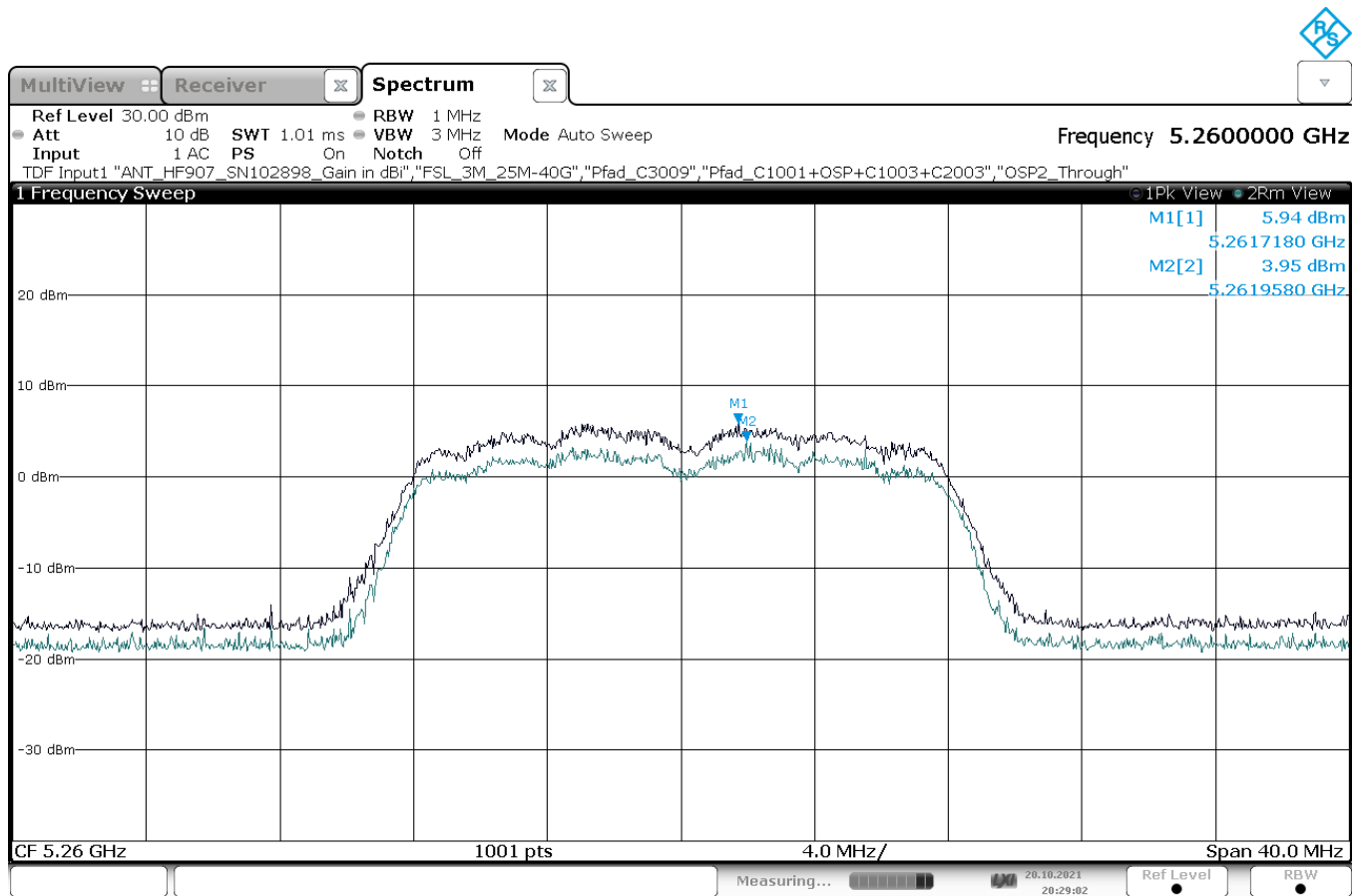
20:18:11 20.10.2021

Plot 56: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 48, 5240 MHz



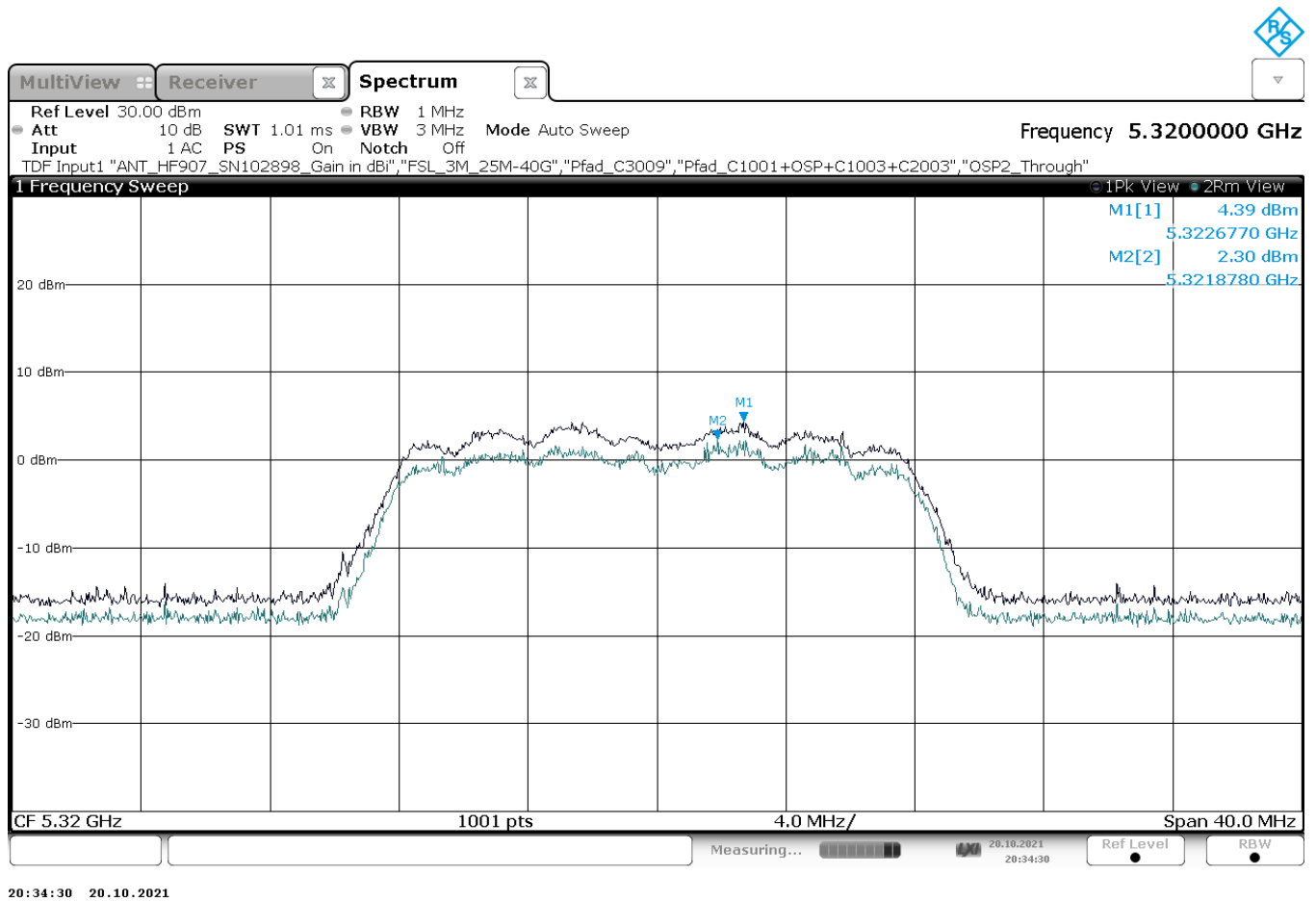
20:23:36 20.10.2021

Plot 57: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 52, 5260 MHz



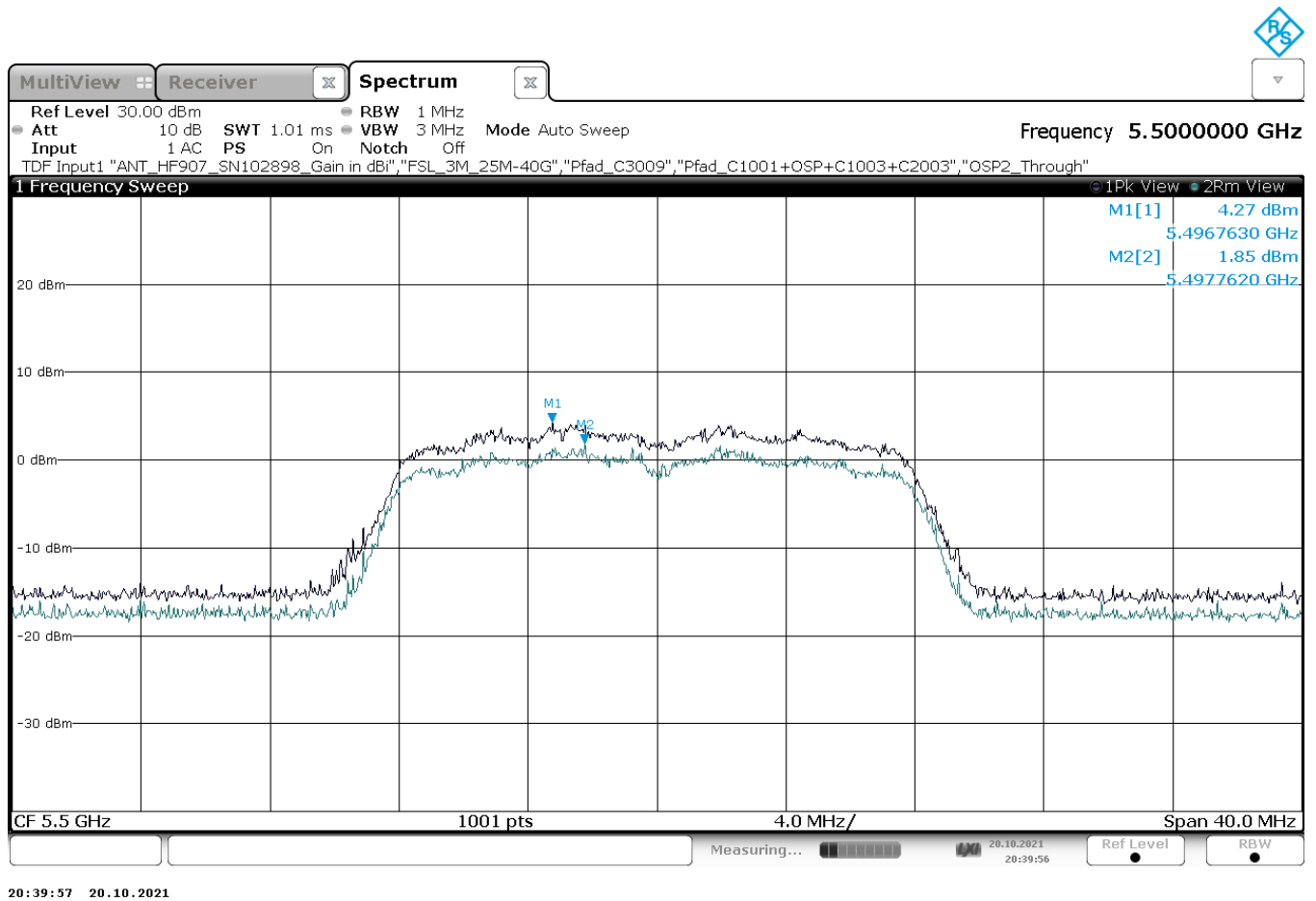
20:29:02 20.10.2021

Plot 58: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 64, 5320 MHz



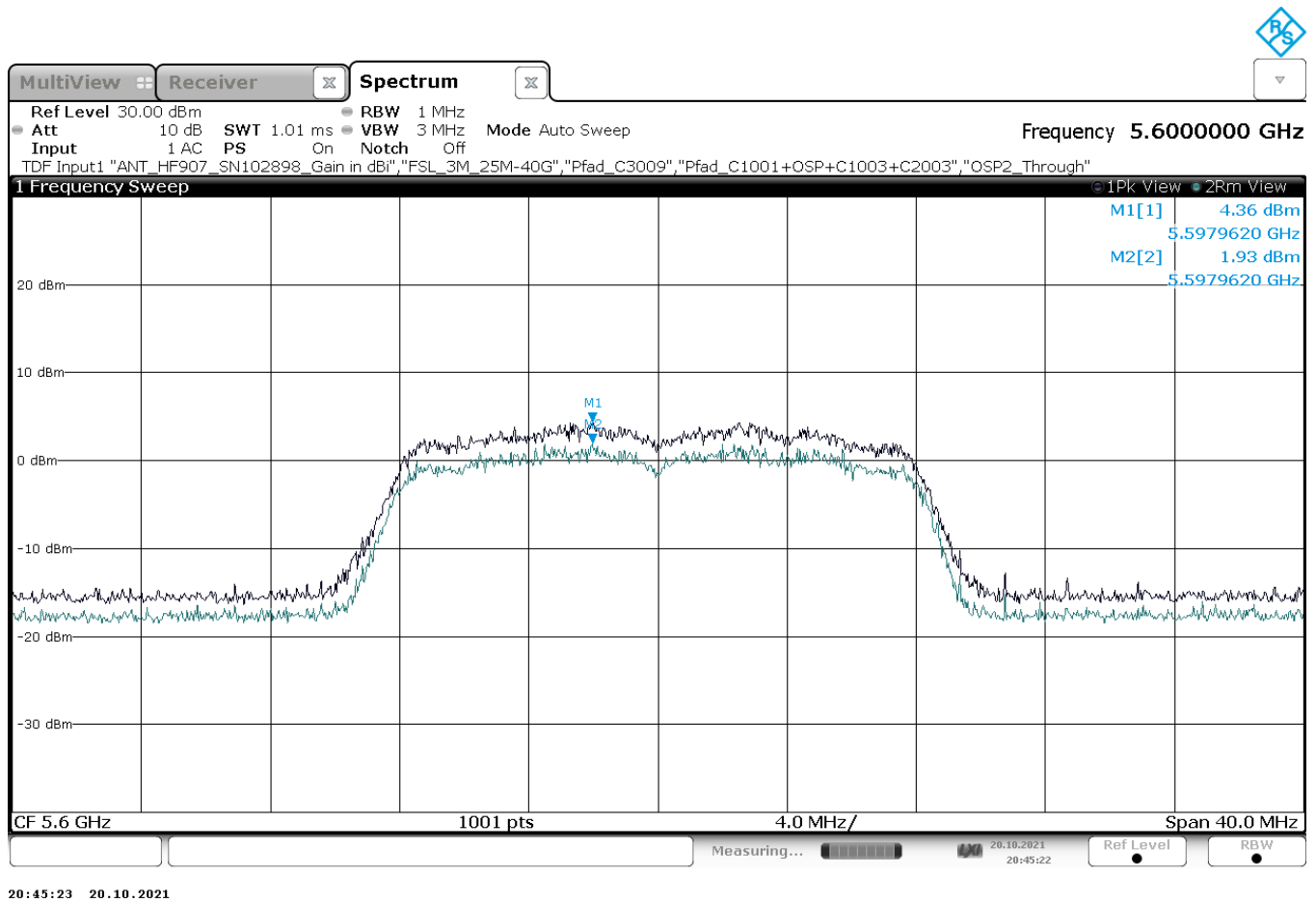
Annex A of TR no.: 21086128-23003-1

Plot 59: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 100, 5500 MHz

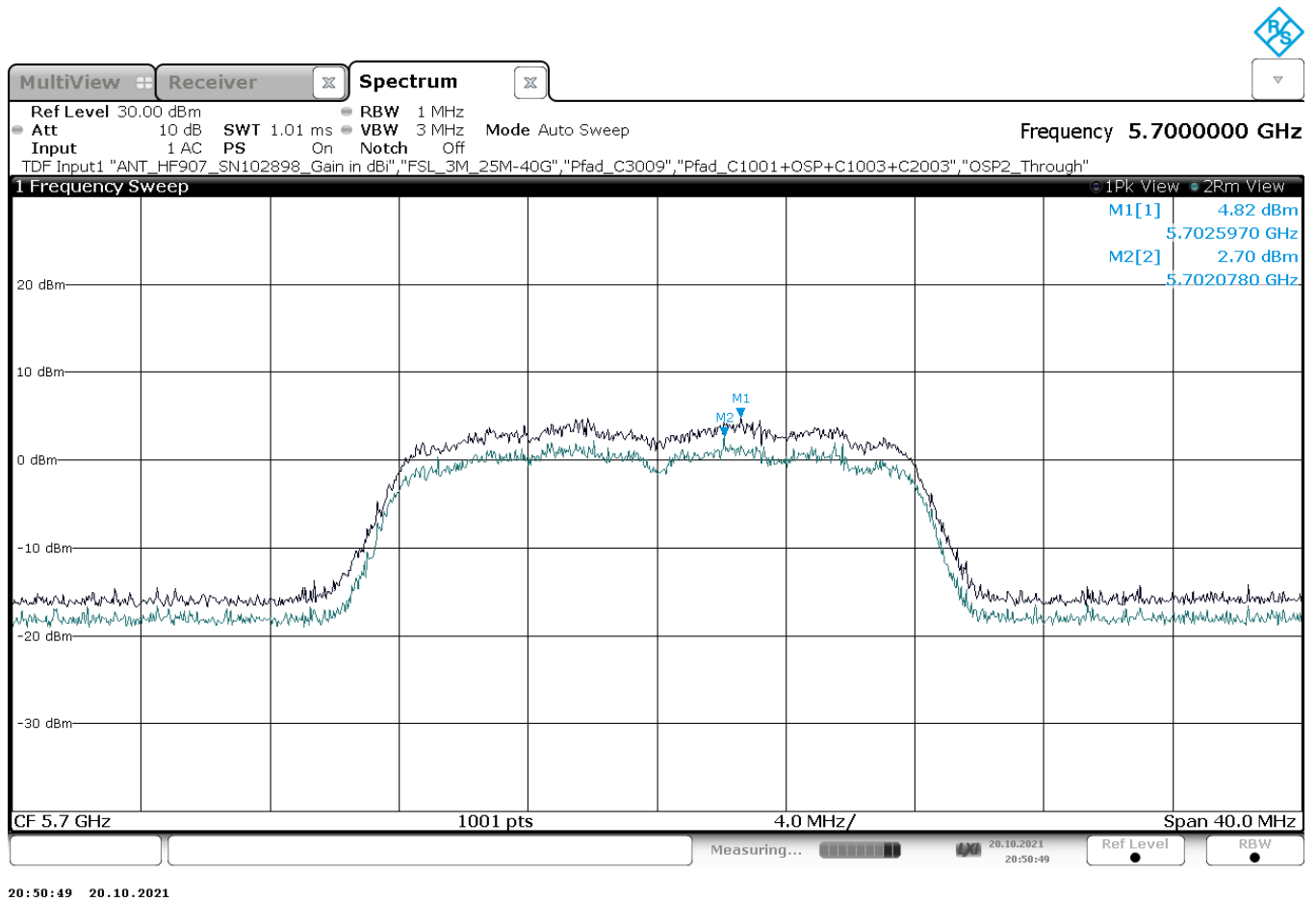


Annex A of TR no.: 21086128-23003-1

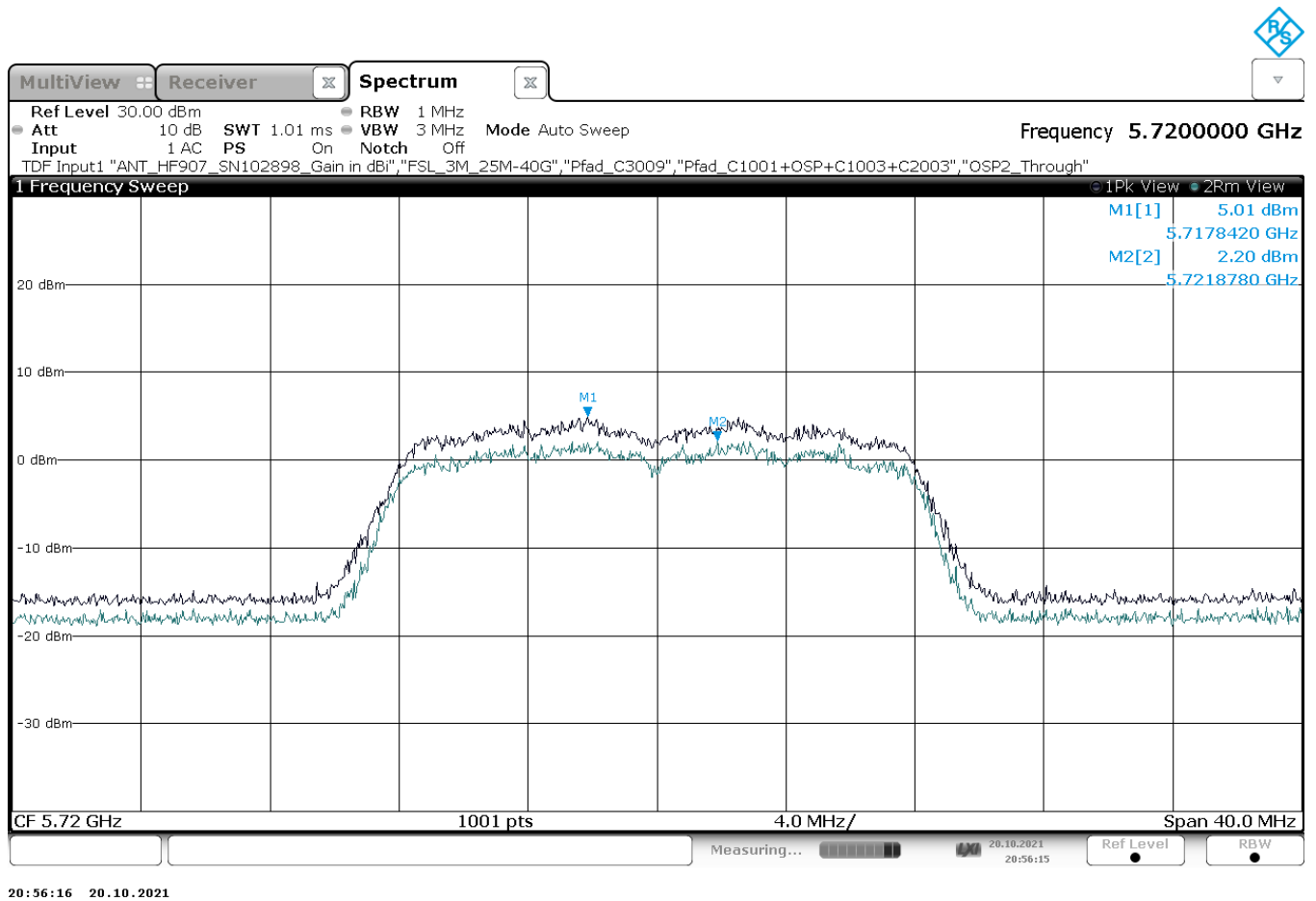
Plot 60: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 120, 5600 MHz



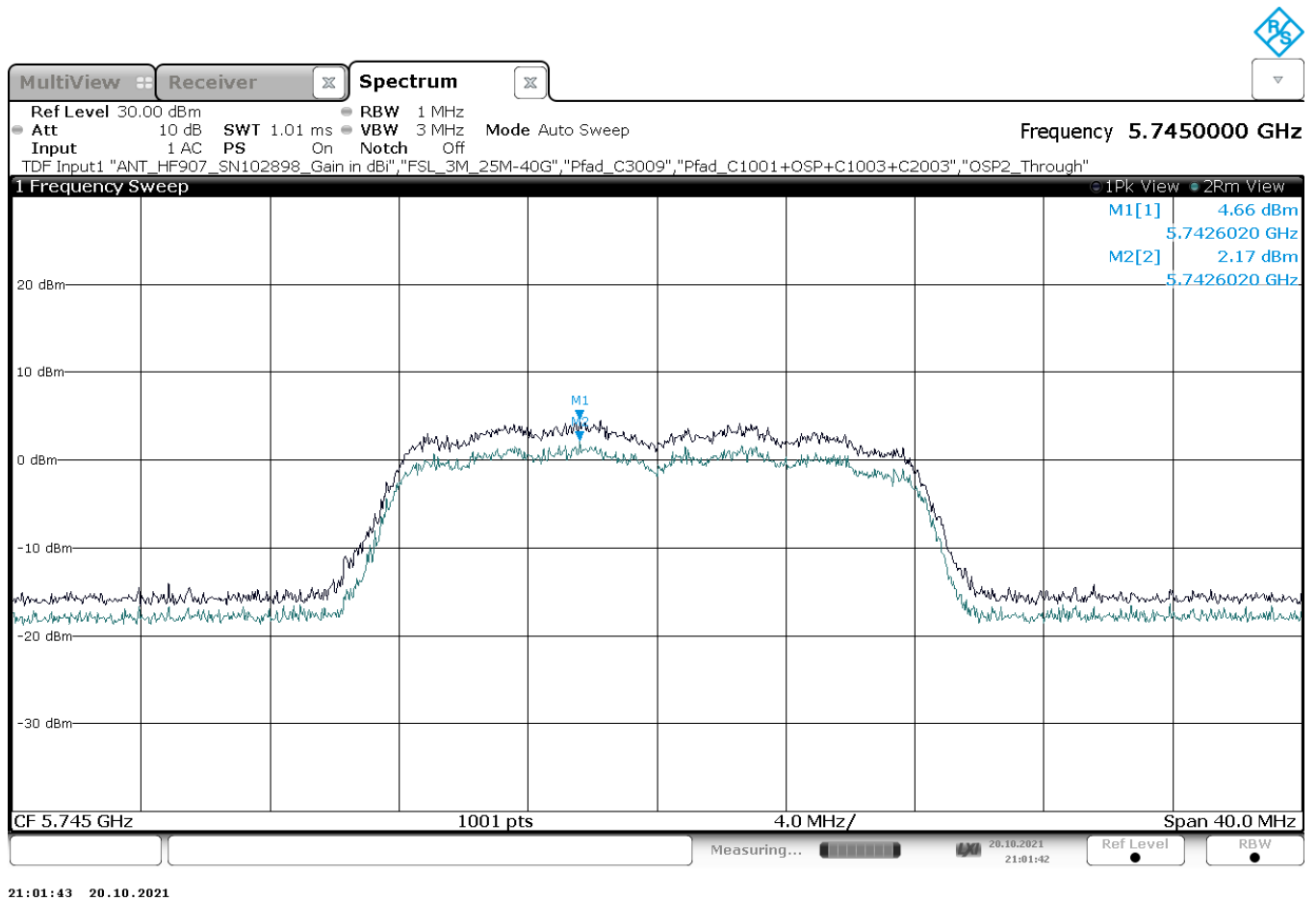
Plot 61: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 140, 5700 MHz



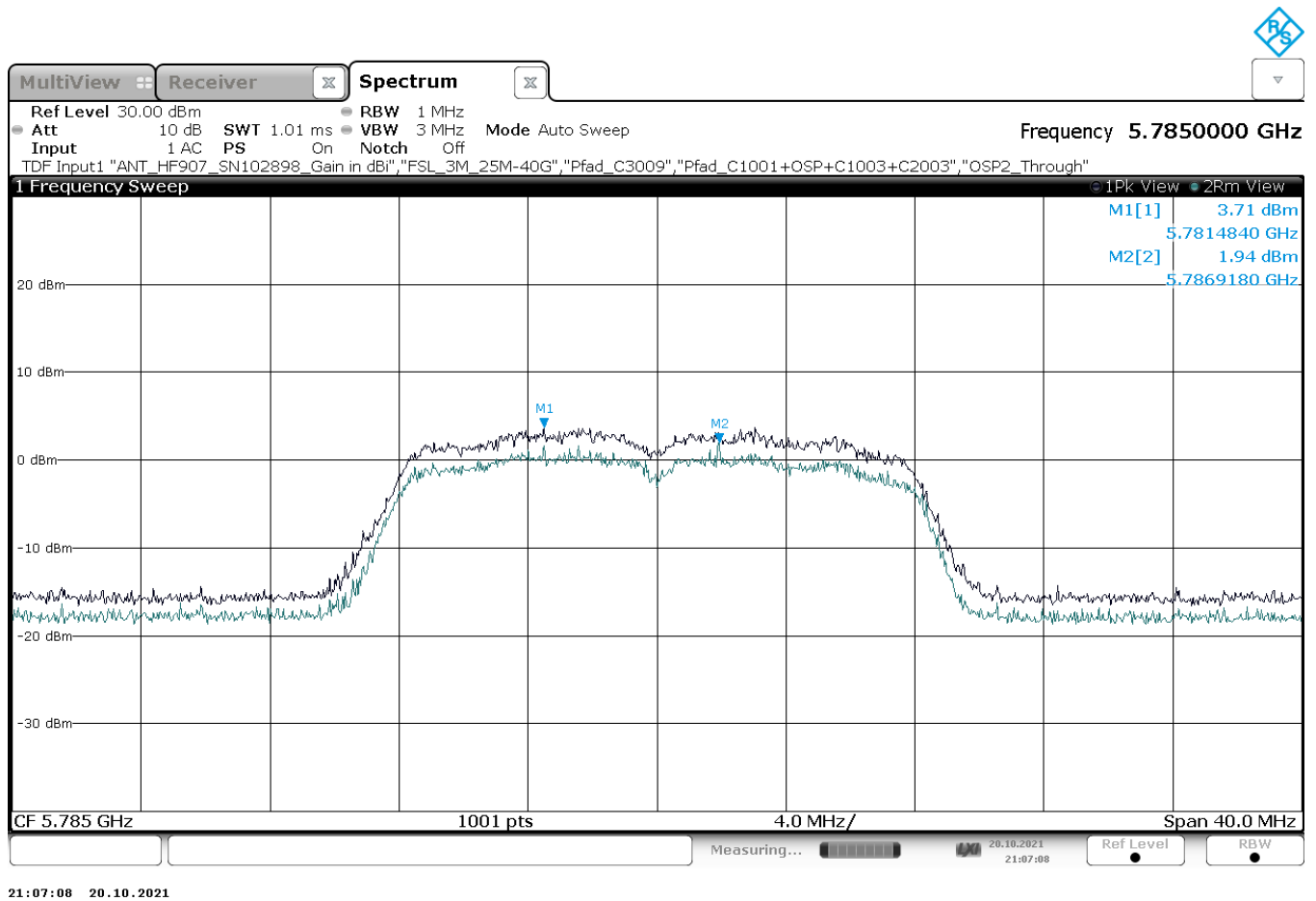
Plot 62: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 144, 5720 MHz



Plot 63: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 149, 5745 MHz

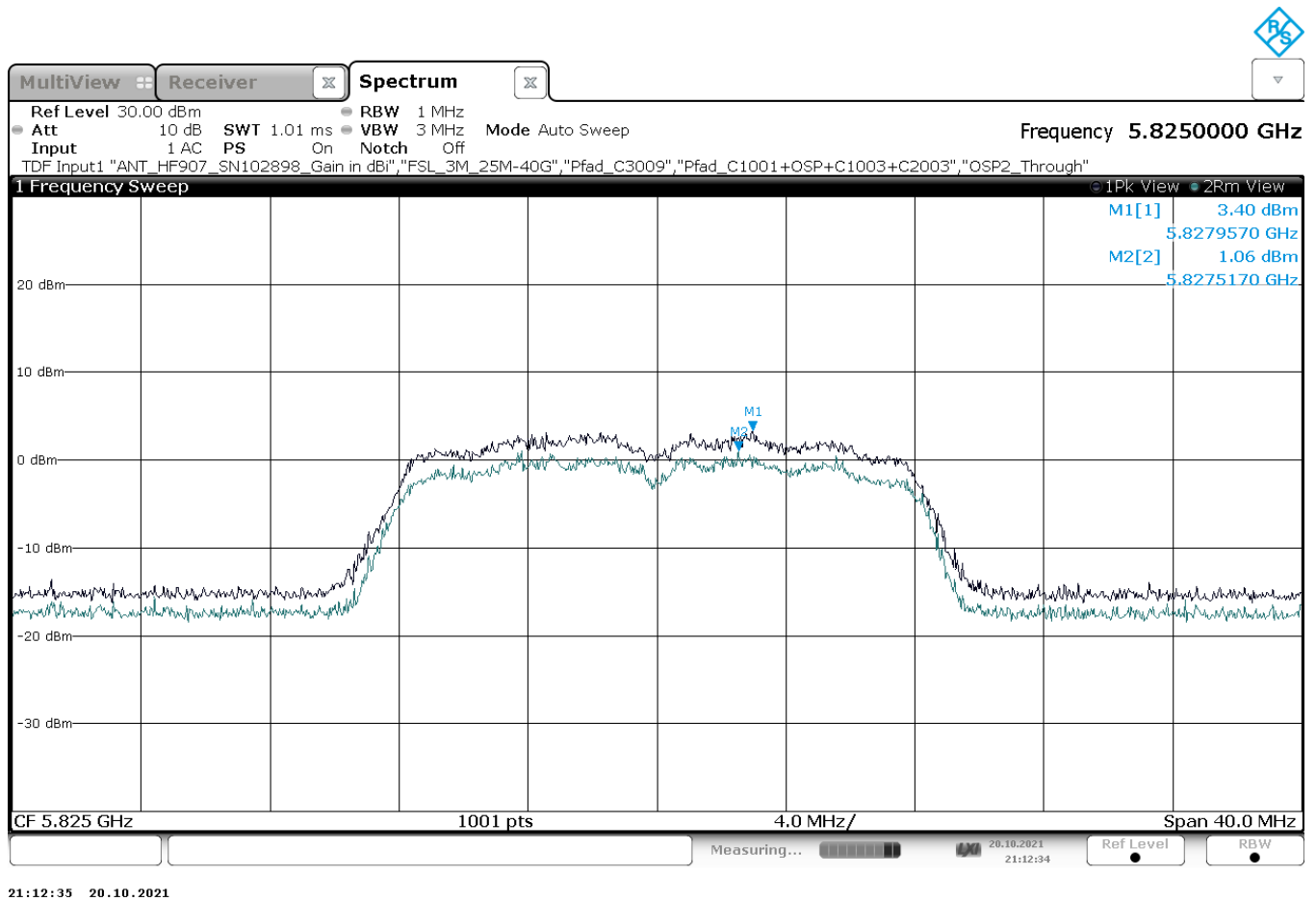


Plot 64: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 157, 5785 MHz



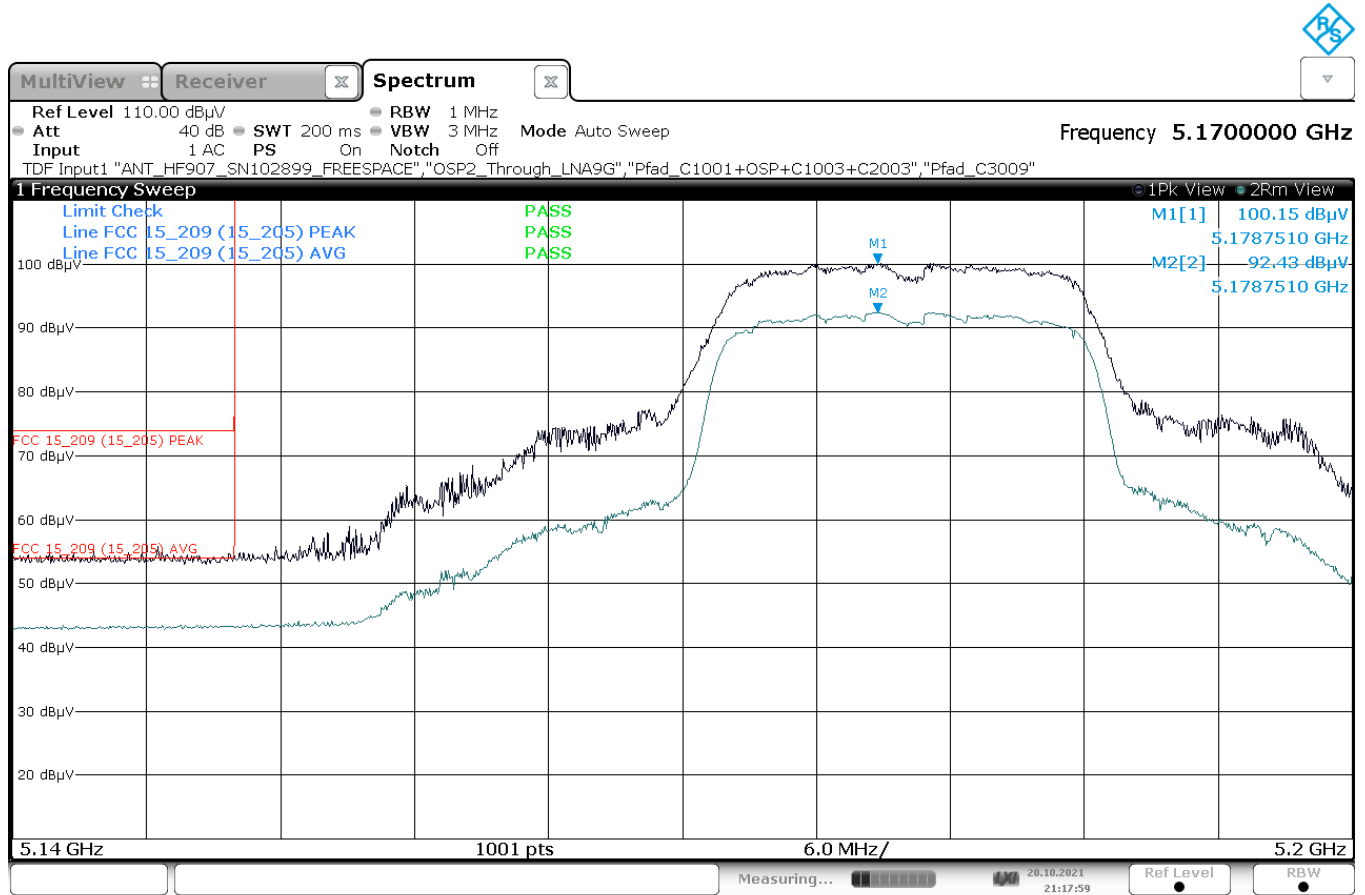
Annex A of TR no.: 21086128-23003-1

Plot 65: Test Mode 1, a-mode, BPSK, 6 Mbit/s, Peak EIRP, channel 165, 5825 MHz



2.4.3 Band Edge Compliance (BEC), radiated

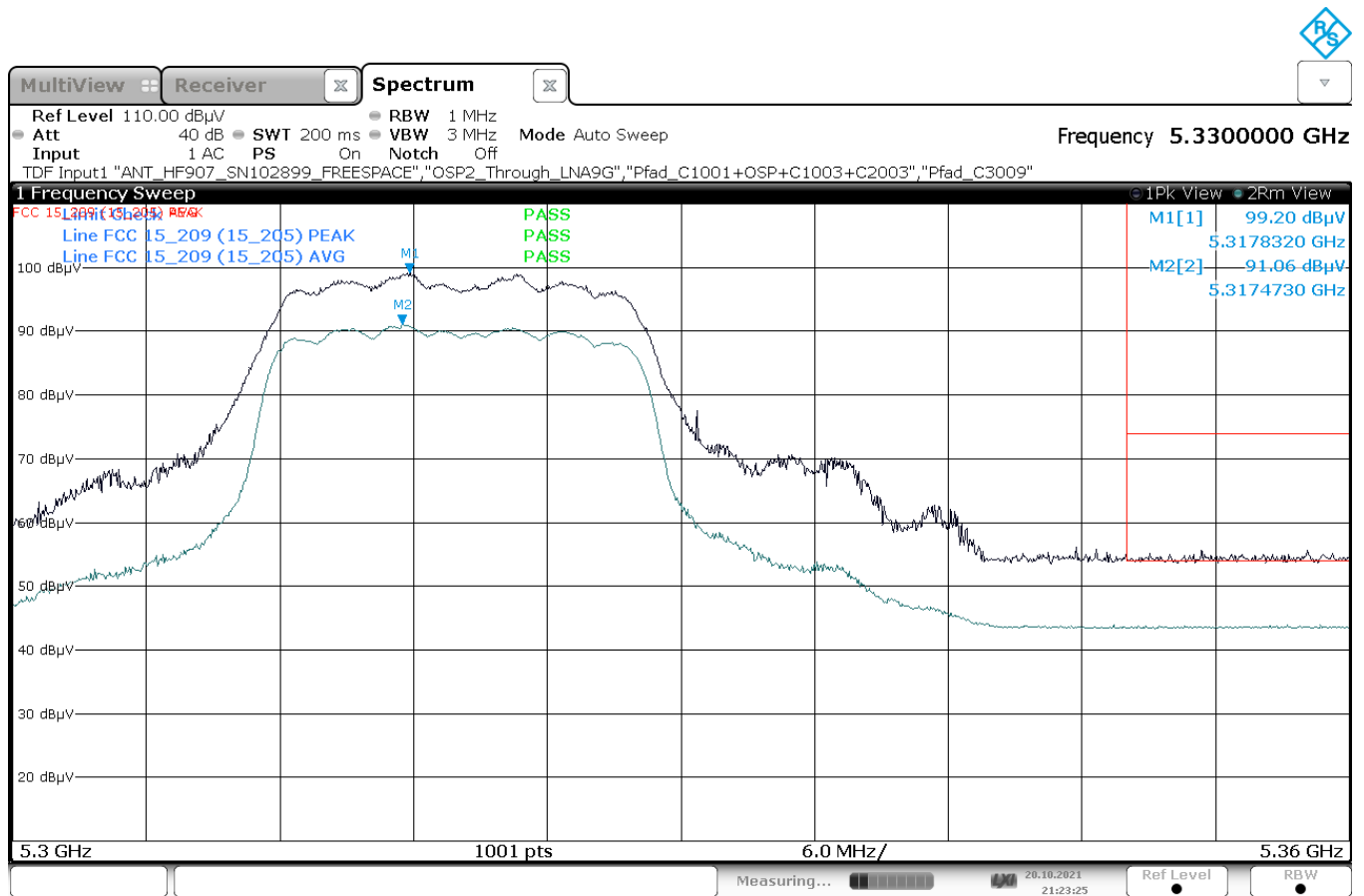
Plot 66: Mode 1, a-mode, BEC low, channel 36, 5180 MHz



21:18:00 20.10.2021

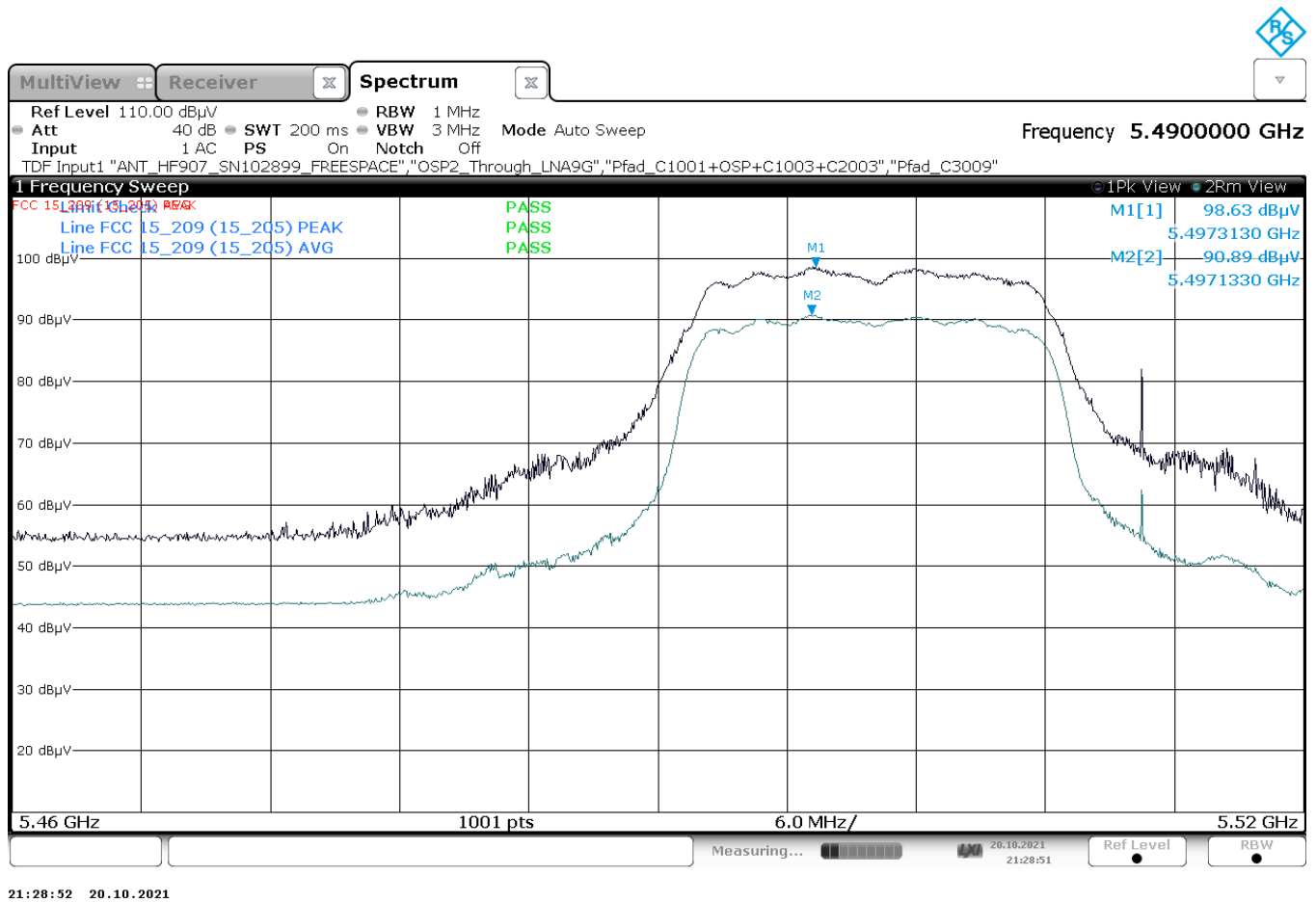
Annex A of TR no.: 21086128-23003-1

Plot 67: Mode 1, a-mode, BEC high, channel 64, 5320 MHz, 20 MHz channel bandwidth



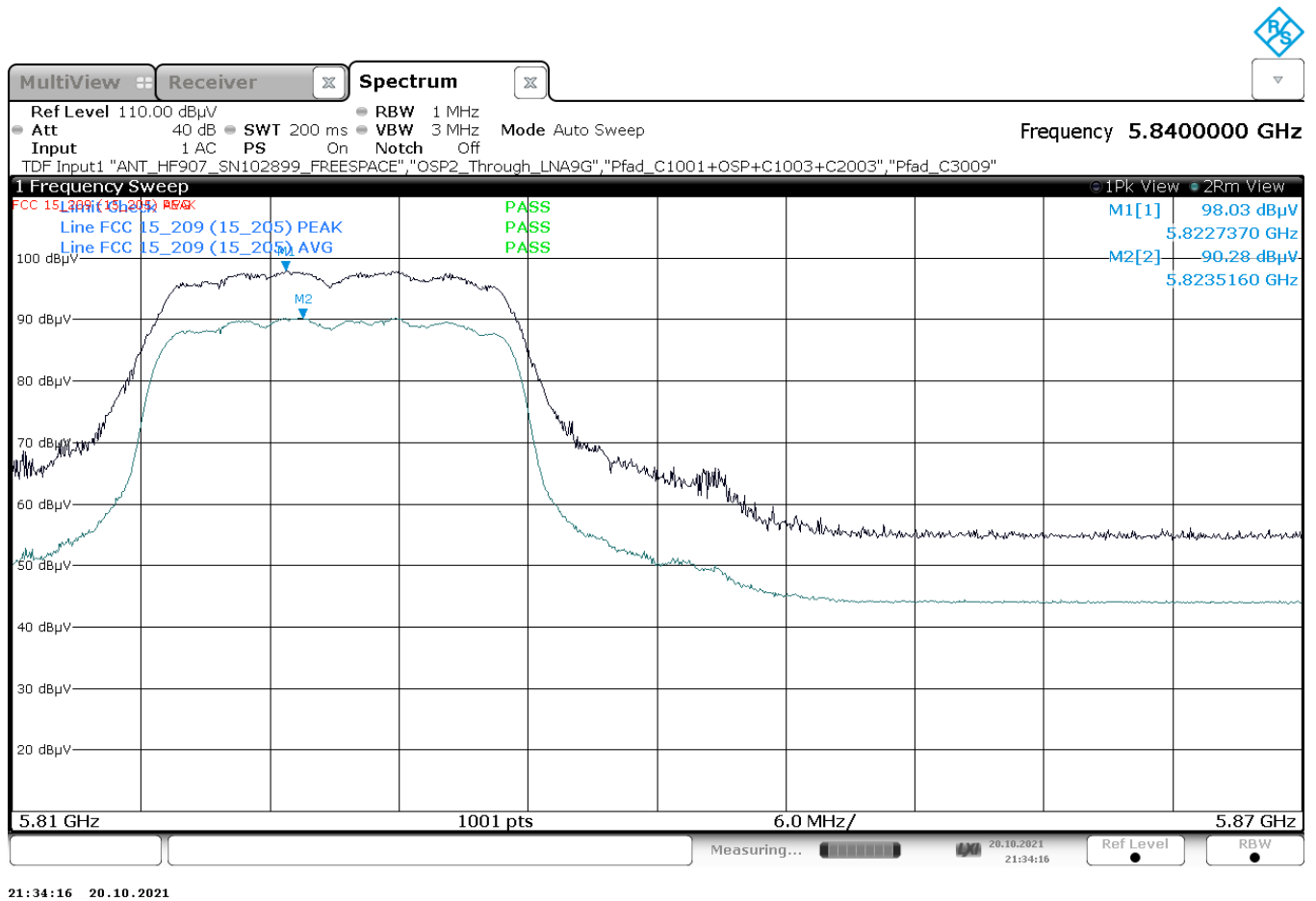
21:23:26 20.10.2021

Plot 68: Mode 1, a-mode, BEC low, channel 100, 5500 MHz, 20 MHz channel bandwidth



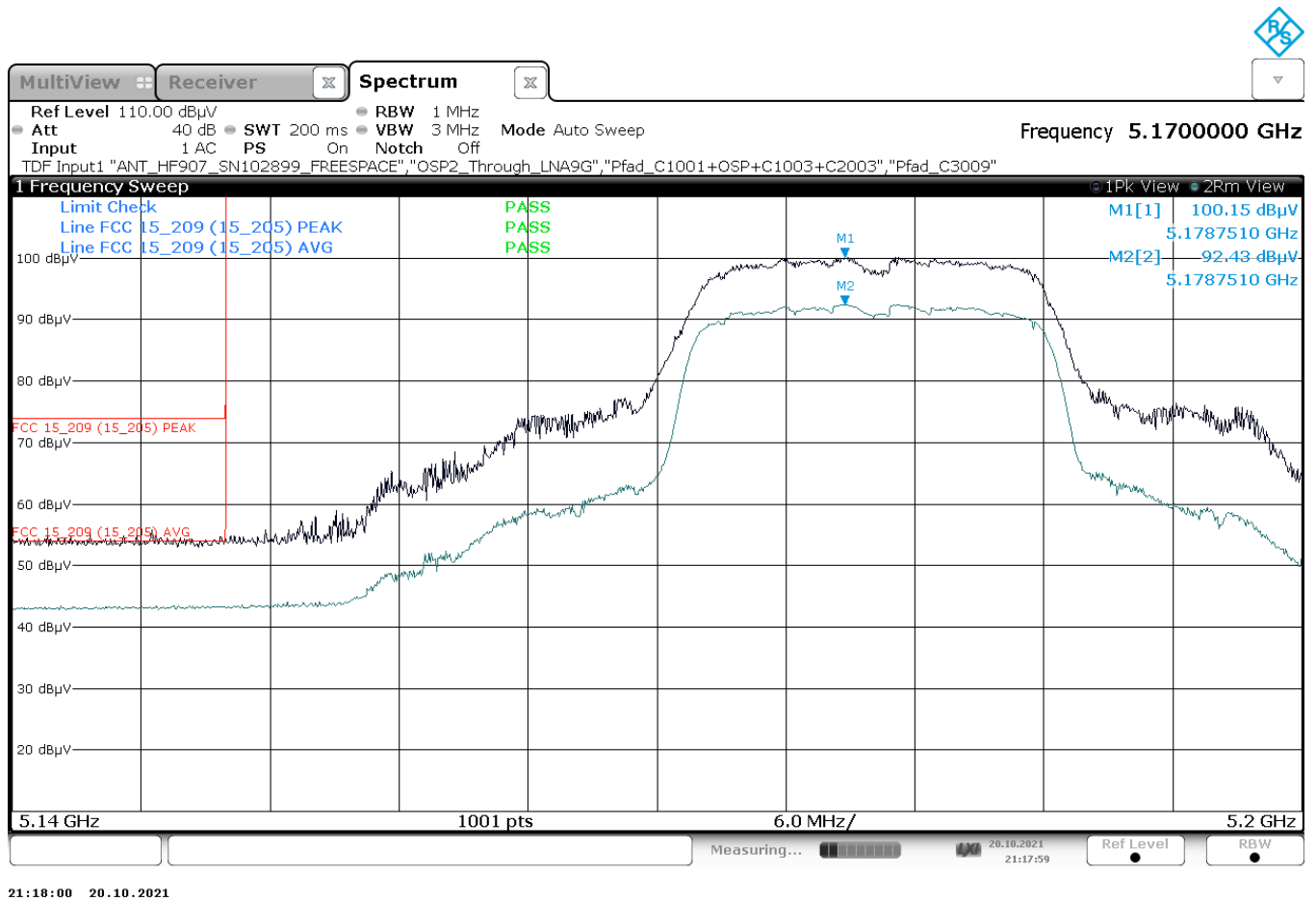
Annex A of TR no.: 21086128-23003-1

Plot 69: Mode 1, a-mode, BEC high, channel 165, 5825 MHz, 20 MHz channel bandwidth



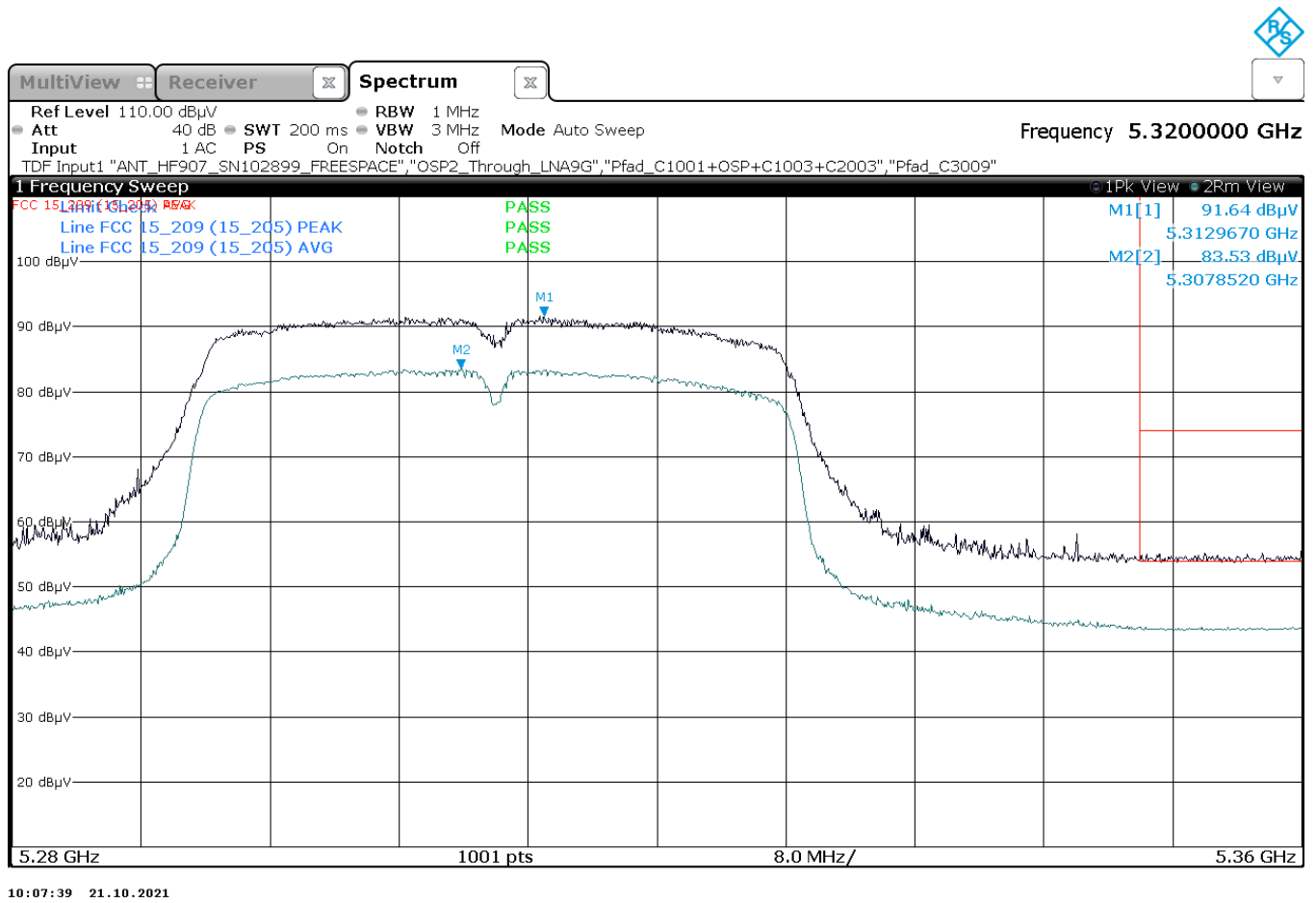
Annex A of TR no.: 21086128-23003-1

Plot 70: Mode 3, n-HT40 mode, BEC low, channel 38, 5190 MHz, 40 MHz channel bandwidth



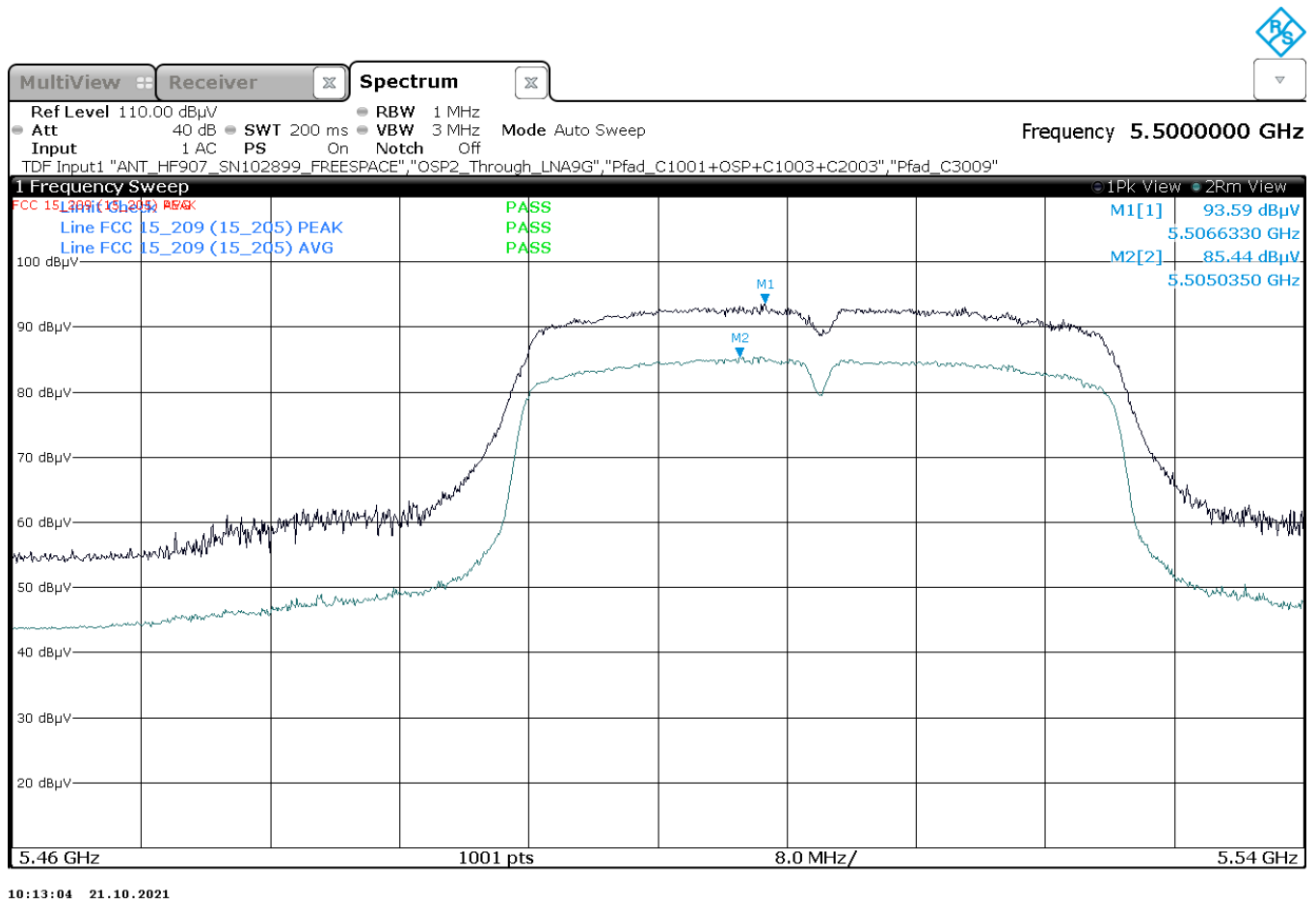
Annex A of TR no.: 21086128-23003-1

Plot 71: Mode 3, n-HT40 mode, BEC high, channel 62, 5320 MHz, 40 MHz channel bandwidth

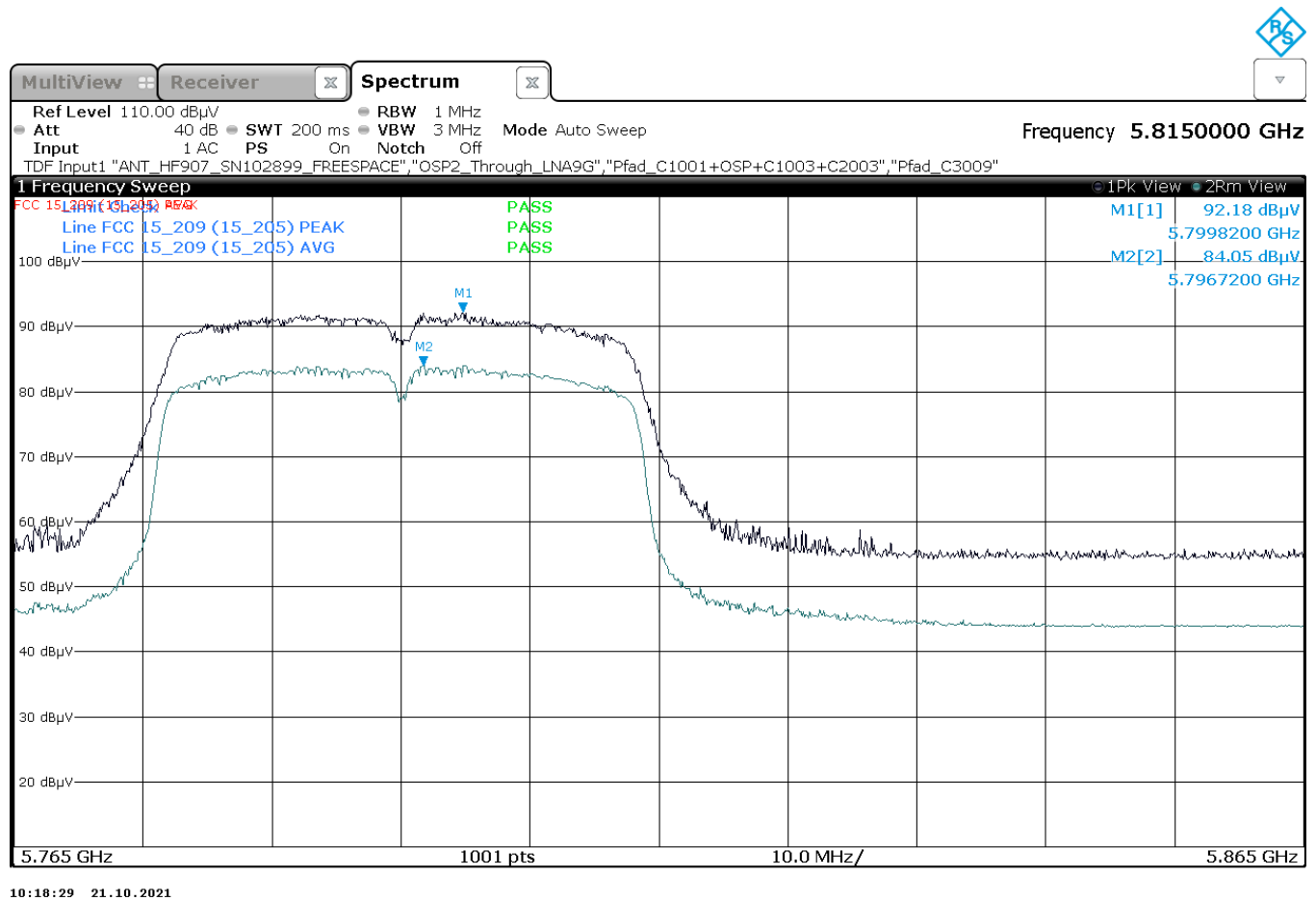


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Plot 72: Mode 3, n-HT40 mode, BEC low, channel 102, 5510 MHz, 40 MHz channel bandwidth

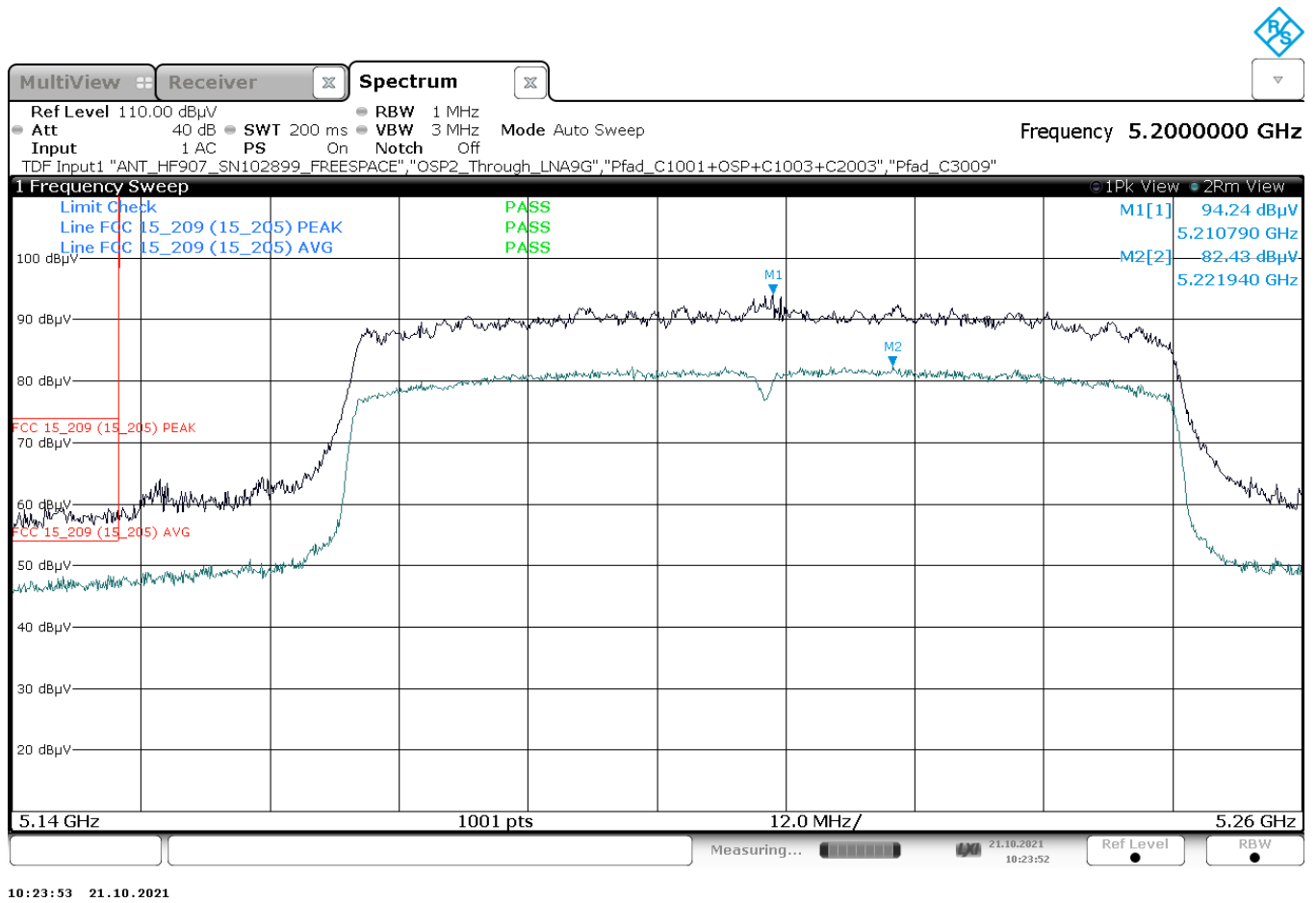


Plot 73: Mode 3, n-HT40 mode, BEC high, channel 159, 5795 MHz, 40 MHz channel bandwidth



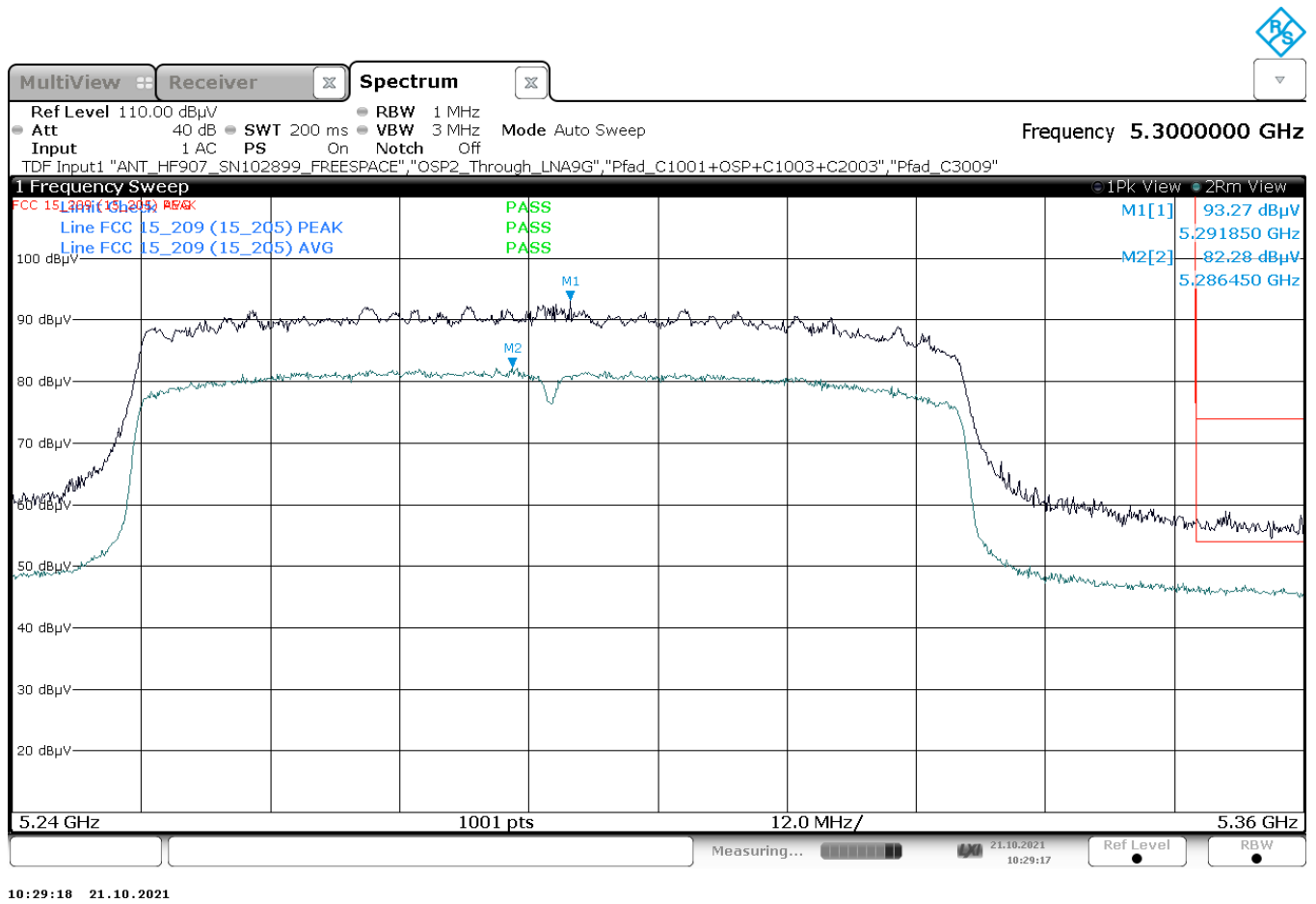
Annex A of TR no.: 21086128-23003-1

Plot 74: Mode 6, ac-HT80 mode, BEC low, channel 42, 5210 MHz, 80 MHz channel bandwidth



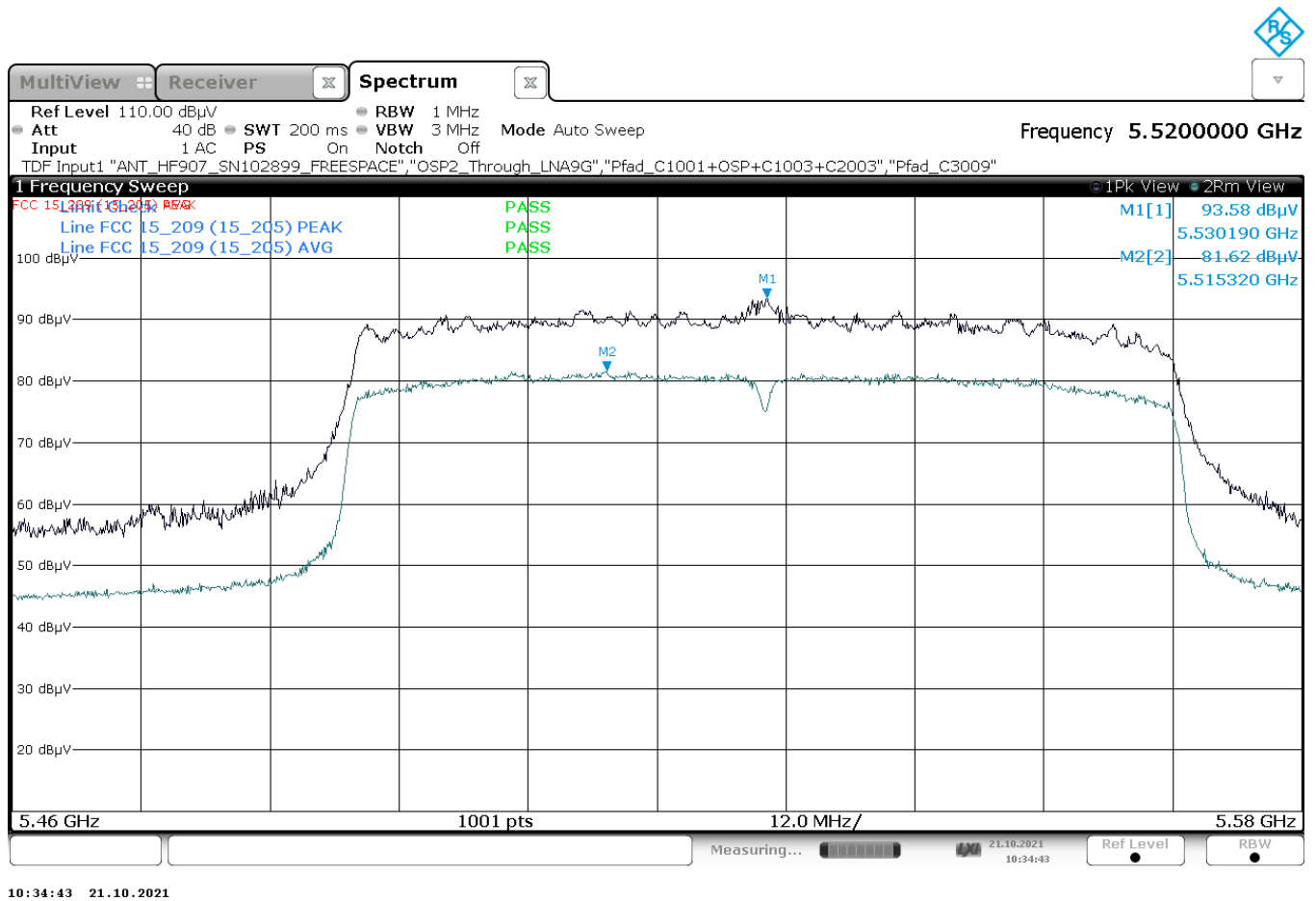
Annex A of TR no.: 21086128-23003-1

Plot 75: Mode 6, ac-HT80 mode, BEC high, channel 58, 5290 MHz, 80 MHz channel bandwidth



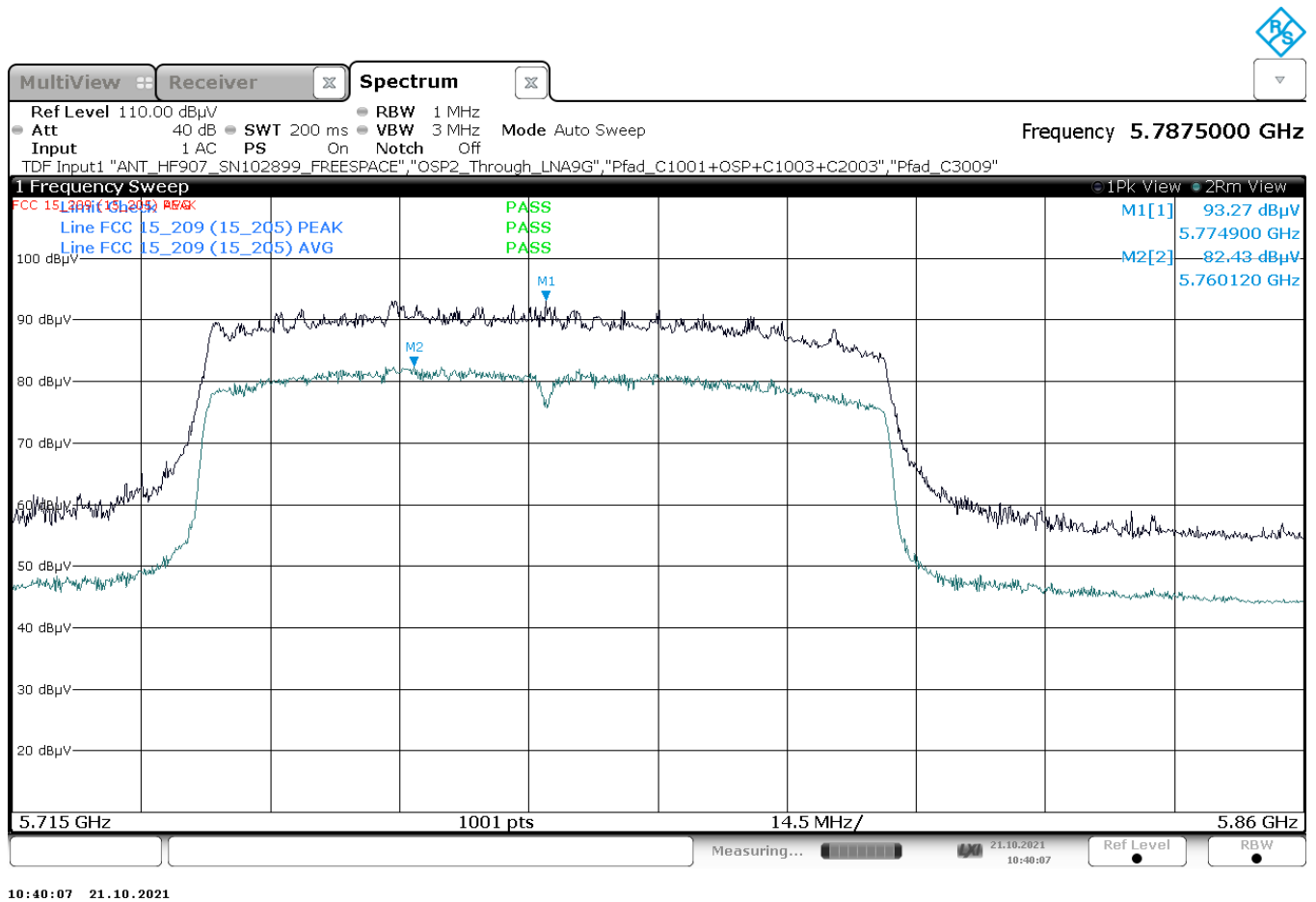
Annex A of TR no.: 21086128-23003-1

Plot 76: Mode 6, ac-HT80 mode, BEC low, channel 106, 5530 MHz, 80 MHz channel bandwidth



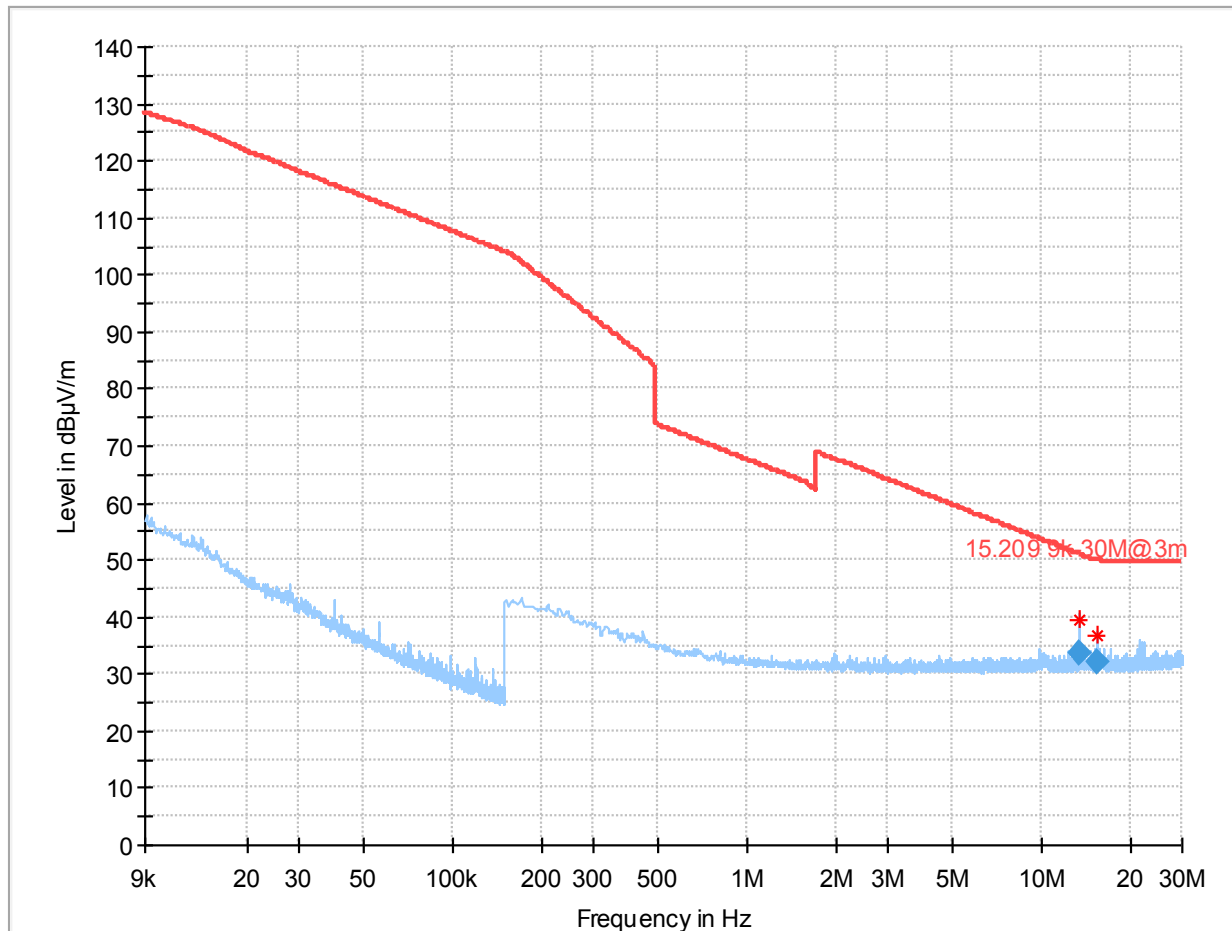
Annex A of TR no.: 21086128-23003-1

Plot 77: Mode 6, ac-HT80 mode, BEC high, channel 155, 5775 MHz, 80 MHz channel bandwidth



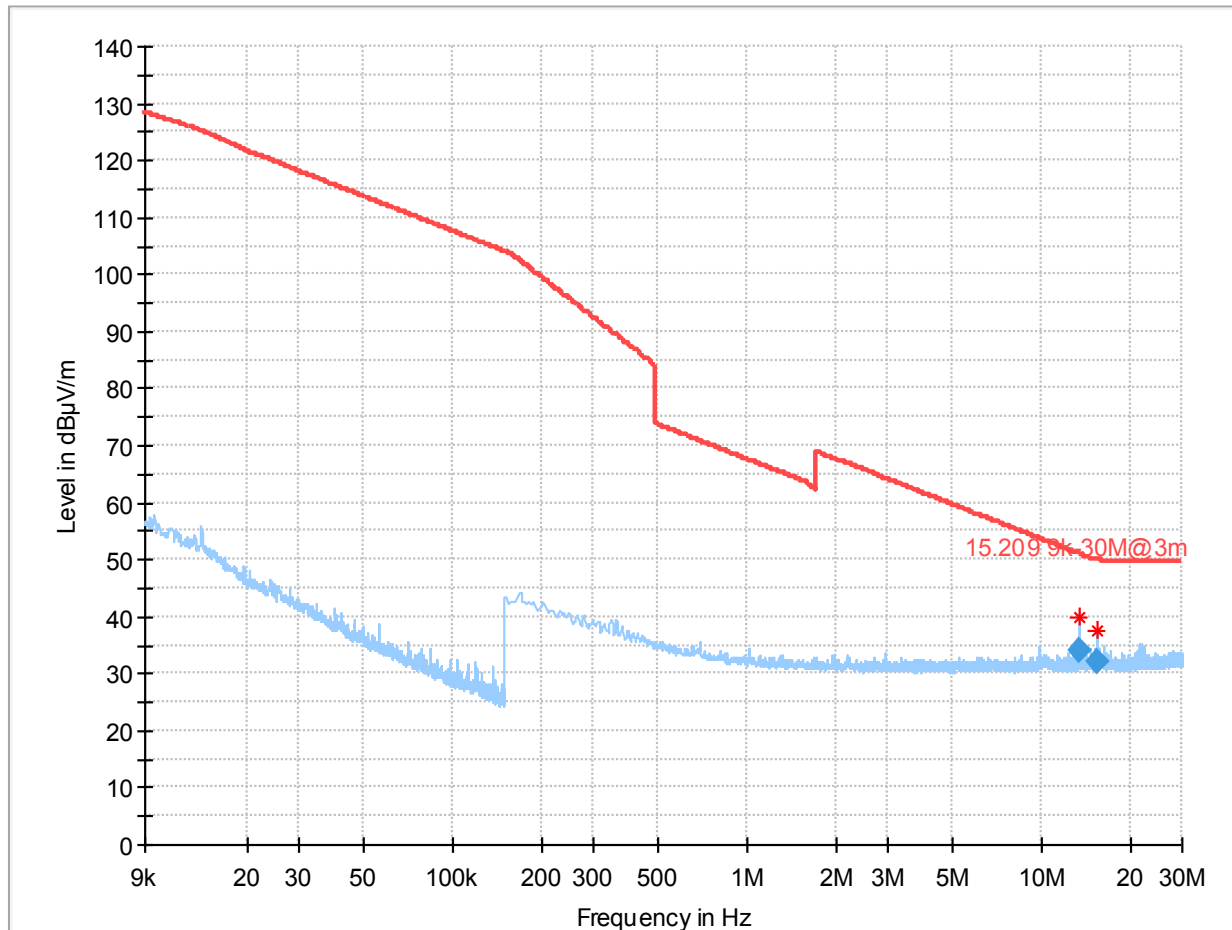
2.4.4 Radiated Spurious Emissions (RSE)

Plot 78: Mode 1, RSE 9 kHz – 30 MHz, channel 36, loop antenna



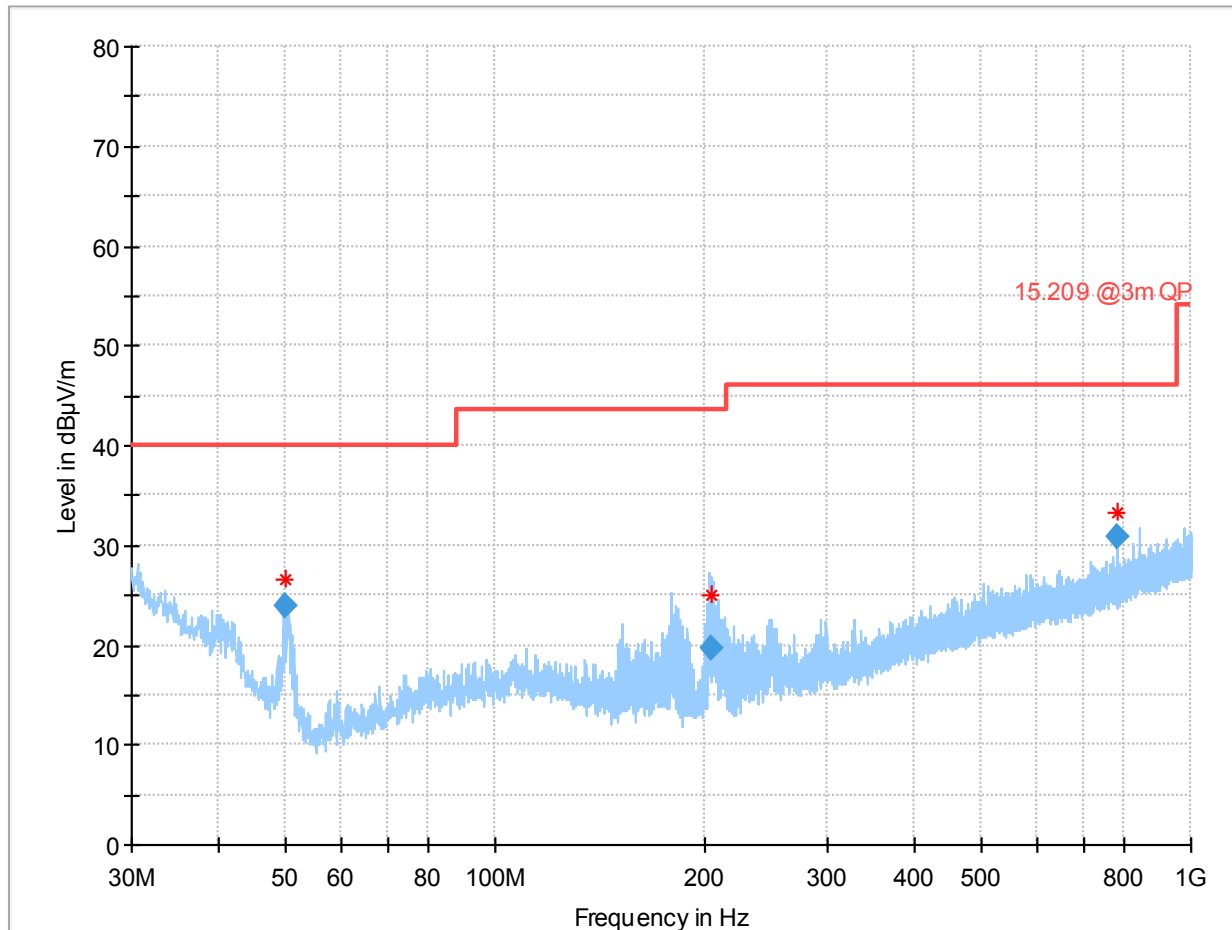
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.54	50.94	17.40	100.0	9.000	H	82.0	20.5
15.553500	32.02	50.03	18.01	100.0	9.000	V	60.0	20.5

Plot 79: Mode 1, RSE 9 kHz – 30 MHz, channel 64, loop antenna



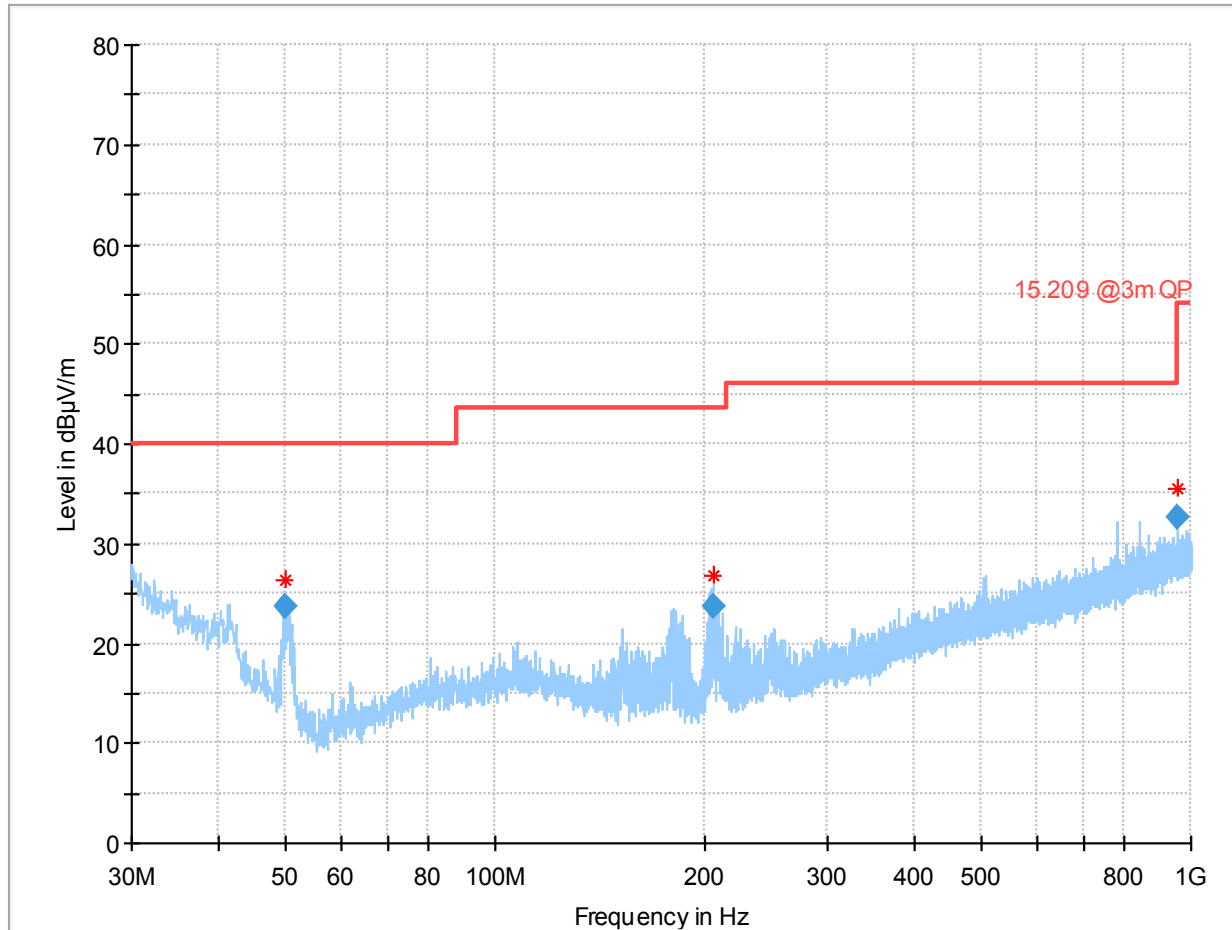
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.83	50.94	17.11	100.0	9.000	H	60.0	20.5
15.551250	32.07	50.03	17.96	100.0	9.000	H	210.0	20.5

Plot 80: Mode 1, RSE 30 MHz – 1 GHz, channel 36, horizontal / vertical polarisation



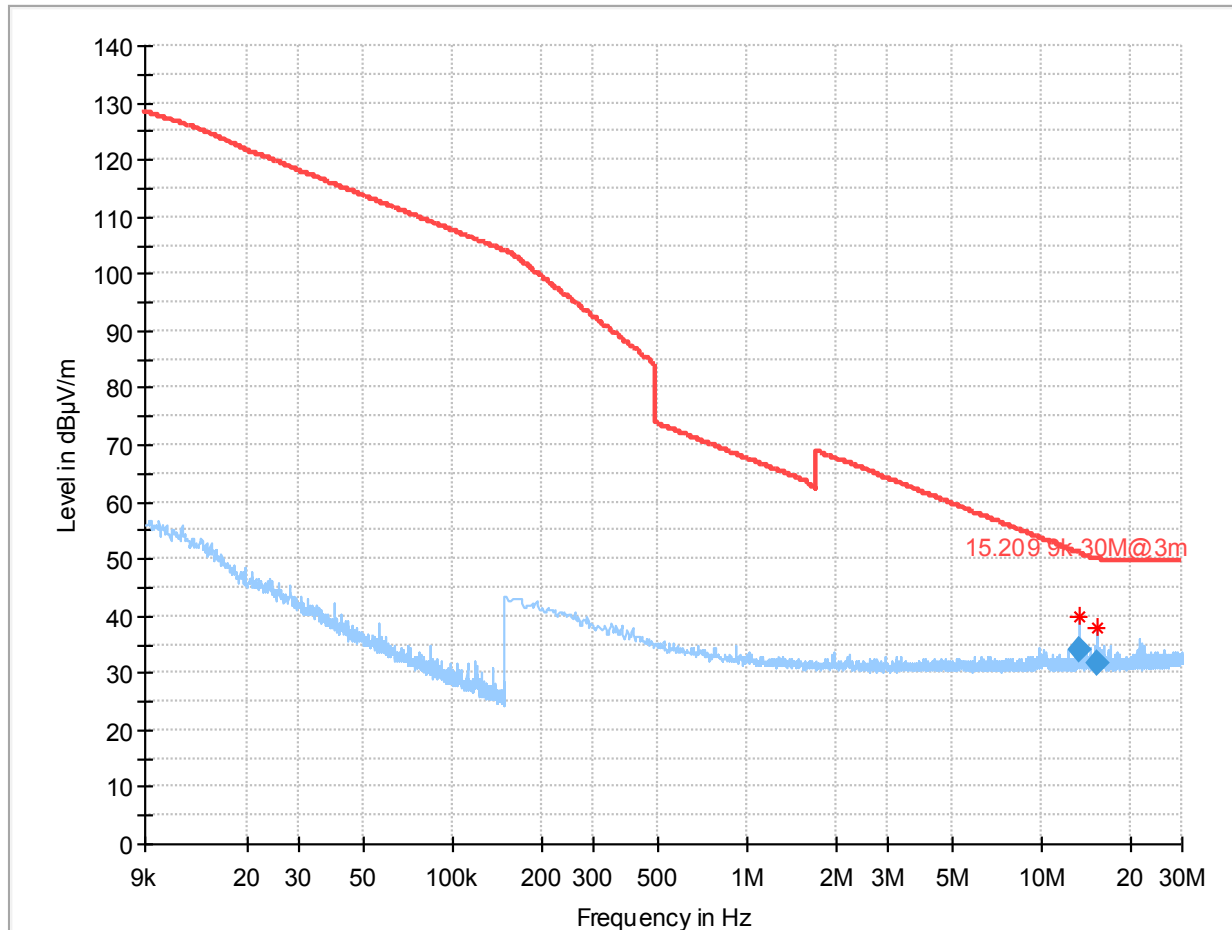
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
49.999500	23.80	40.00	16.20	100.0	120.000	100.0	V	77.0
204.153500	19.74	43.50	23.76	100.0	120.000	100.0	V	54.0
785.702000	30.83	46.00	15.17	100.0	120.000	119.0	V	316.0

Plot 81: Mode 1, RSE 30 MHz – 1 GHz, channel 64, horizontal / vertical polarisation



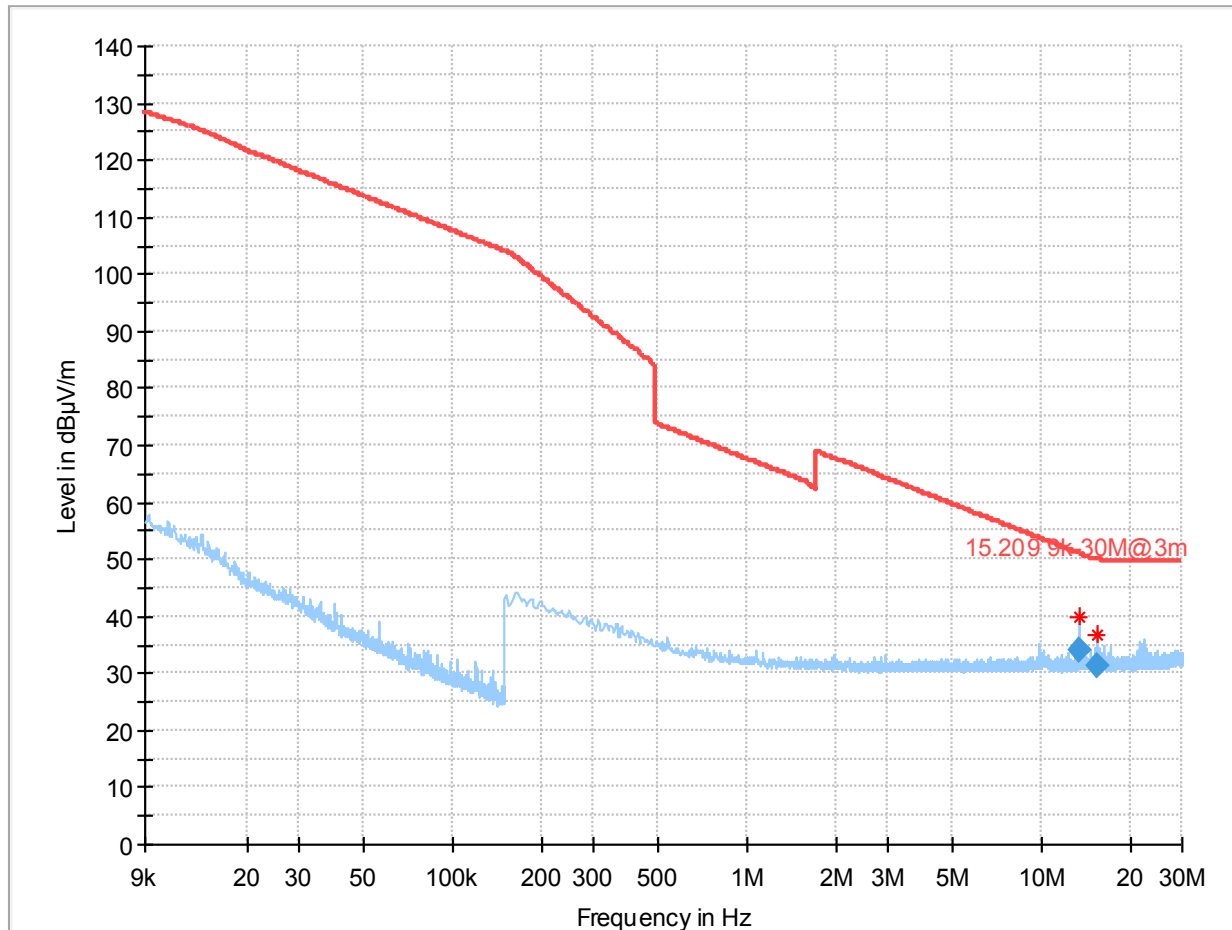
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
49.982000	23.62	40.00	16.38	100.0	120.000	100.0	V	7.0
205.678500	23.61	43.50	19.89	100.0	120.000	100.0	V	31.0
954.044000	32.59	46.00	13.41	100.0	120.000	100.0	V	305.0

Plot 82: Mode 1, RSE 9 kHz – 30 MHz, channel 100, loop antenna



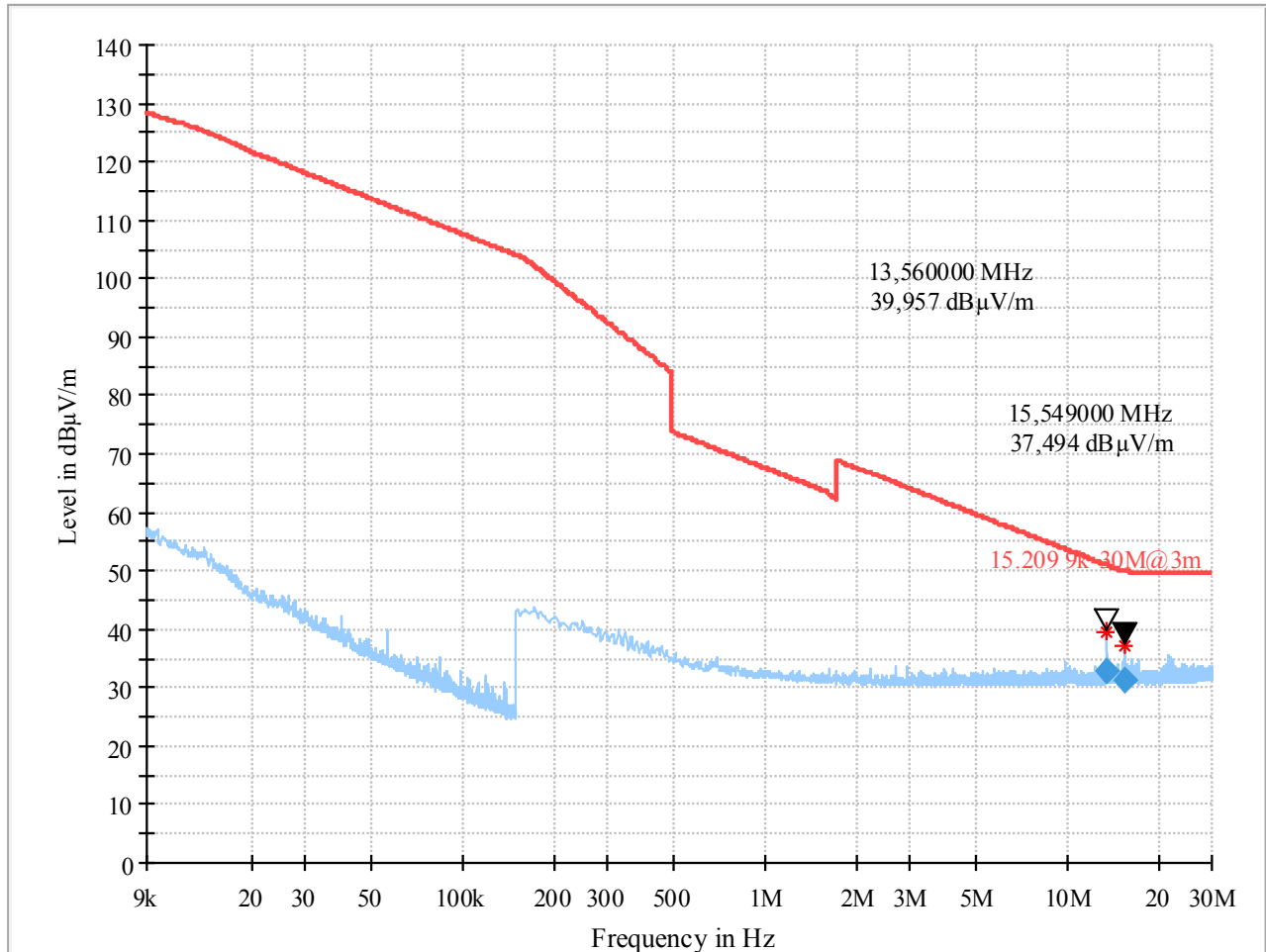
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.86	50.94	17.08	100.0	9.000	V	246.0	20.5
15.551250	31.86	50.03	18.17	100.0	9.000	H	240.0	20.5

Plot 83: Mode 1, RSE 9 kHz – 30 MHz, channel 140, loop antenna



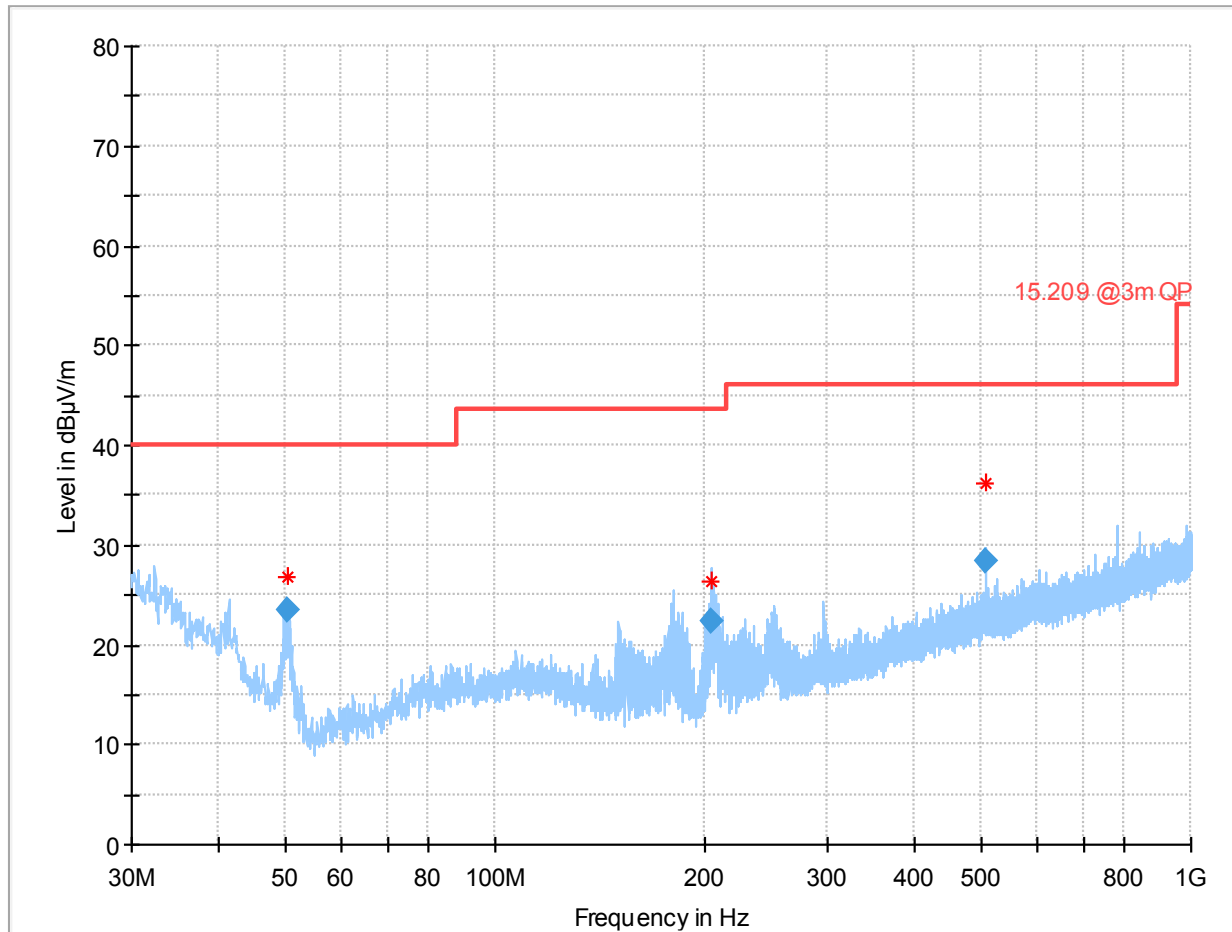
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.88	50.94	17.06	100.0	9.000	V	240.0	20.5
15.555750	31.23	50.03	18.80	100.0	9.000	V	60.0	20.5

Plot 84: Mode 1, RSE 9 kHz – 30 MHz, channel 144, loop antenna



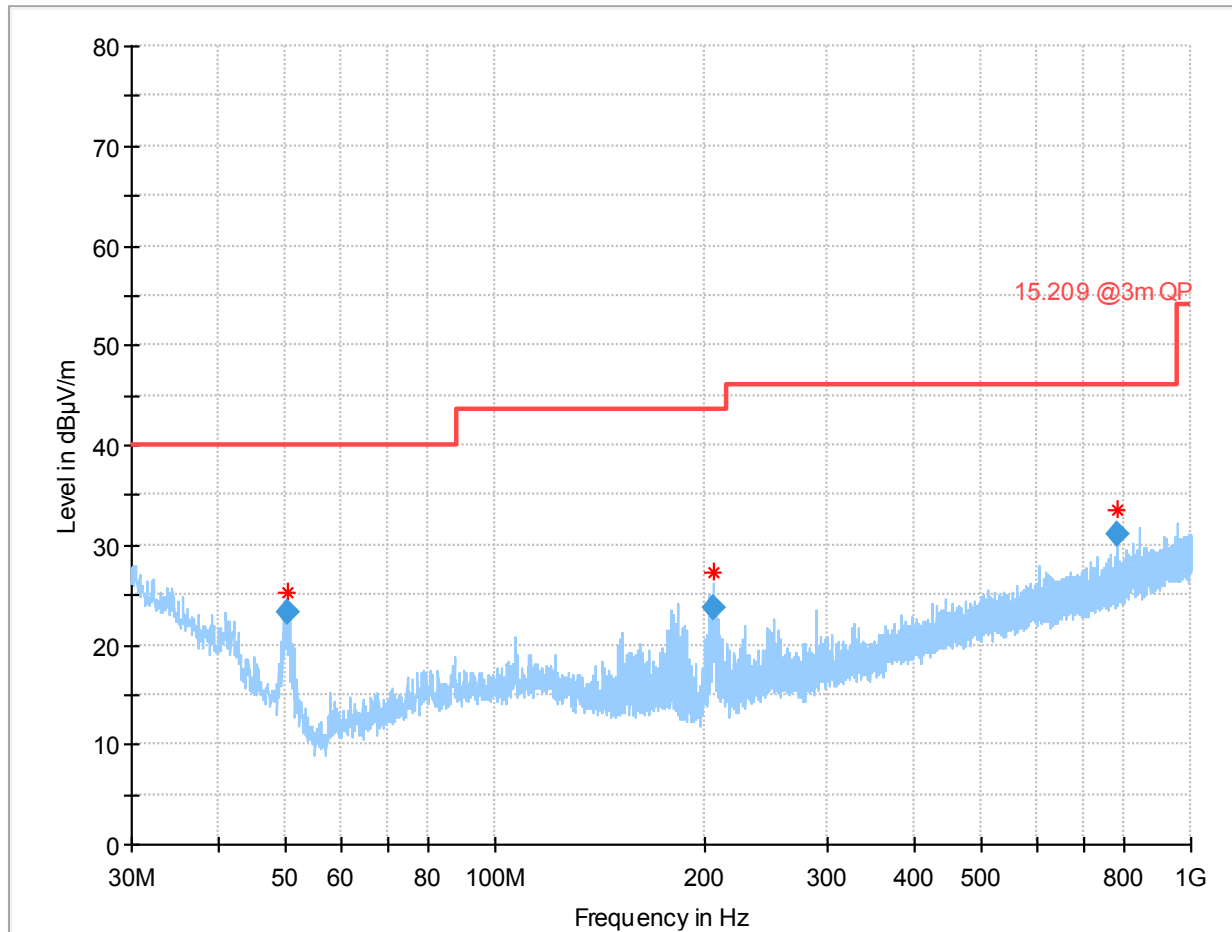
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.01	50.94	17.93	100.0	9.000	V	-30.0	20.5
15.551250	31.37	50.03	18.66	100.0	9.000	V	240.0	20.5

Plot 85: Mode 1, RSE 30 MHz – 1 GHz, channel 100, horizontal / vertical polarisation



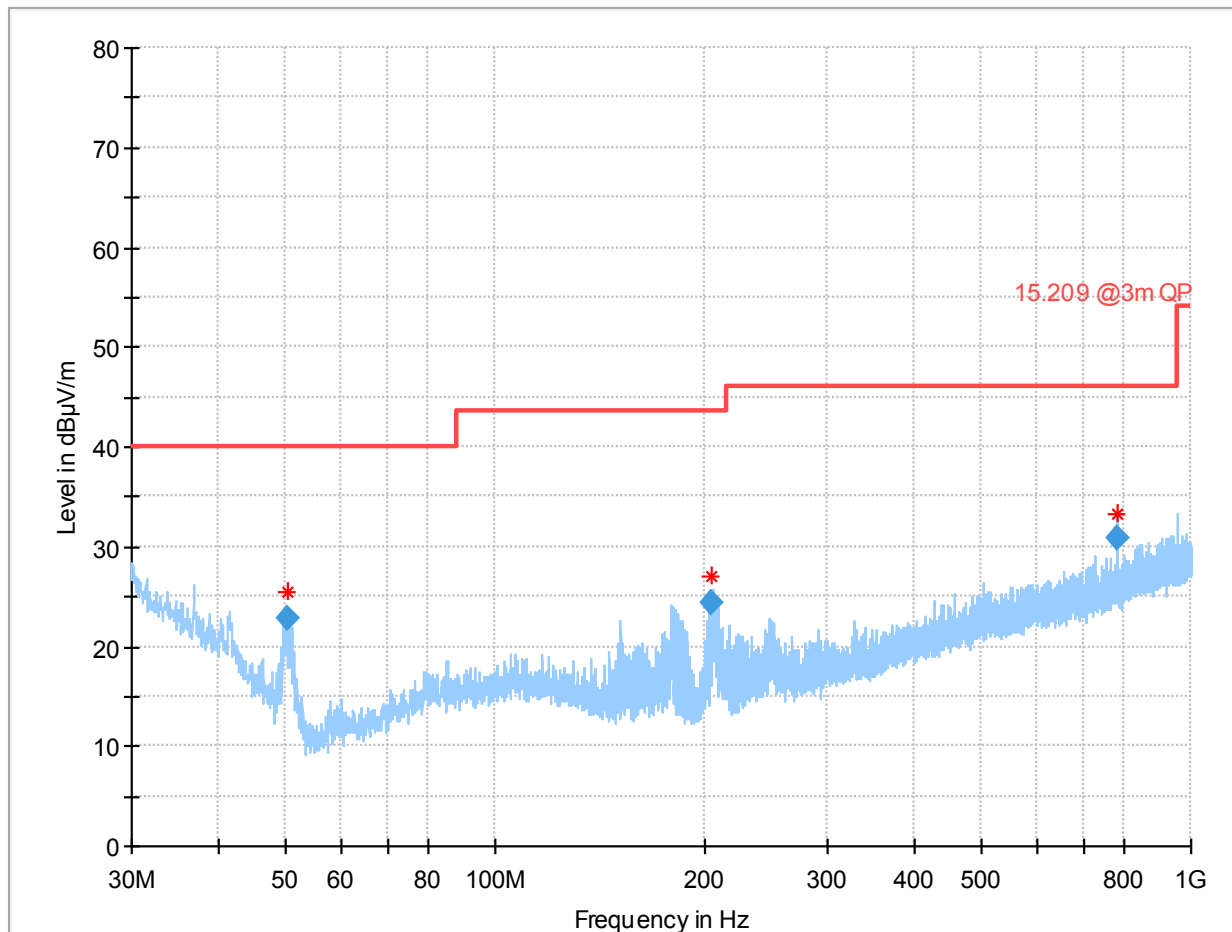
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
50.232000	23.53	40.00	16.47	100.0	120.000	100.0	V	-6.0
204.307500	22.24	43.50	21.26	100.0	120.000	100.0	V	65.0
508.792000	28.46	46.00	17.54	100.0	120.000	100.0	V	335.0

Plot 86: Mode 1, RSE 30 MHz – 1 GHz, channel 140, horizontal / vertical polarisation



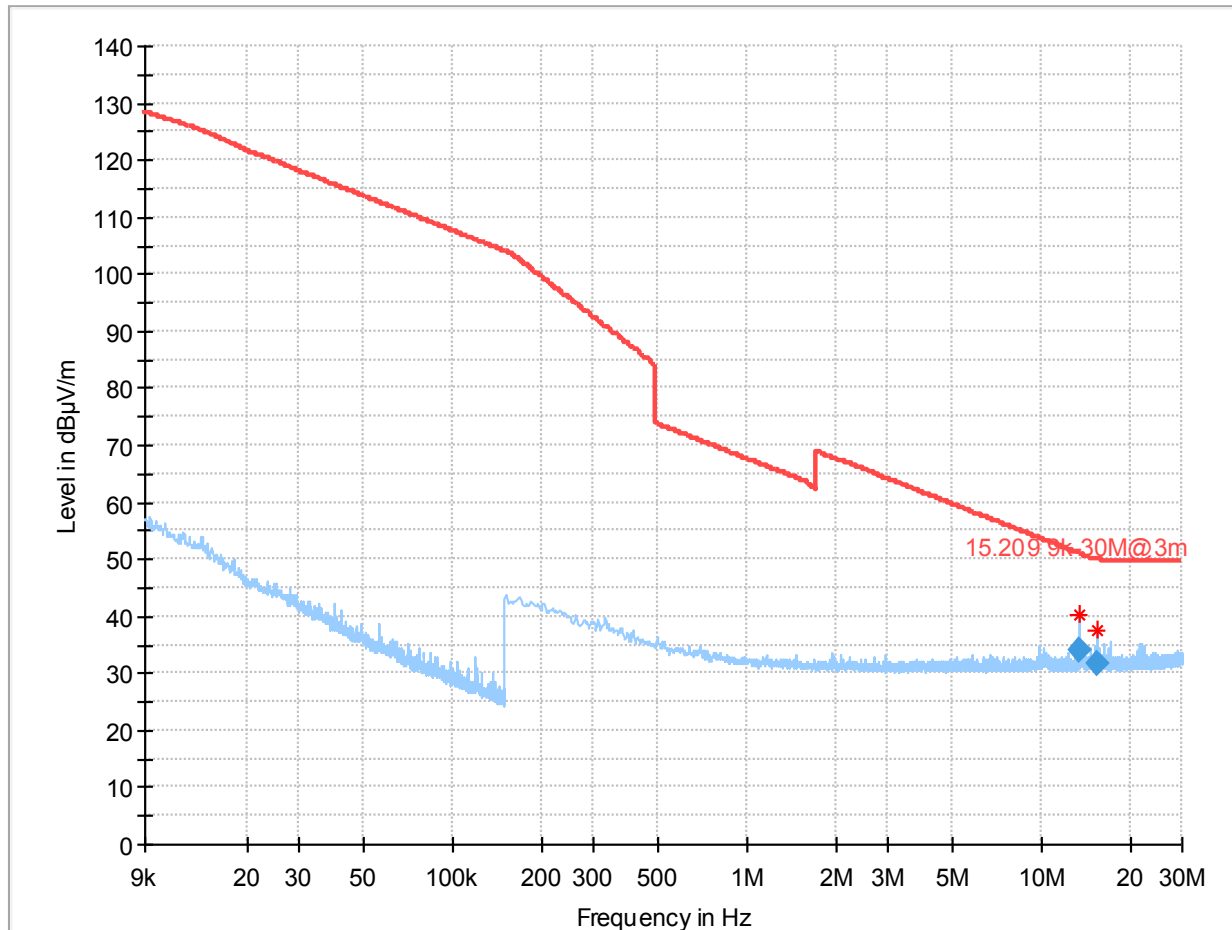
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
50.249500	23.14	40.00	16.86	100.0	120.000	100.0	V	3.0
205.655000	23.65	43.50	19.85	100.0	120.000	100.0	V	54.0
785.678500	31.00	46.00	15.00	100.0	120.000	103.0	V	312.0

Plot 87: Mode 1, RSE 30 MHz – 1 GHz, channel 144, horizontal / vertical polarisation



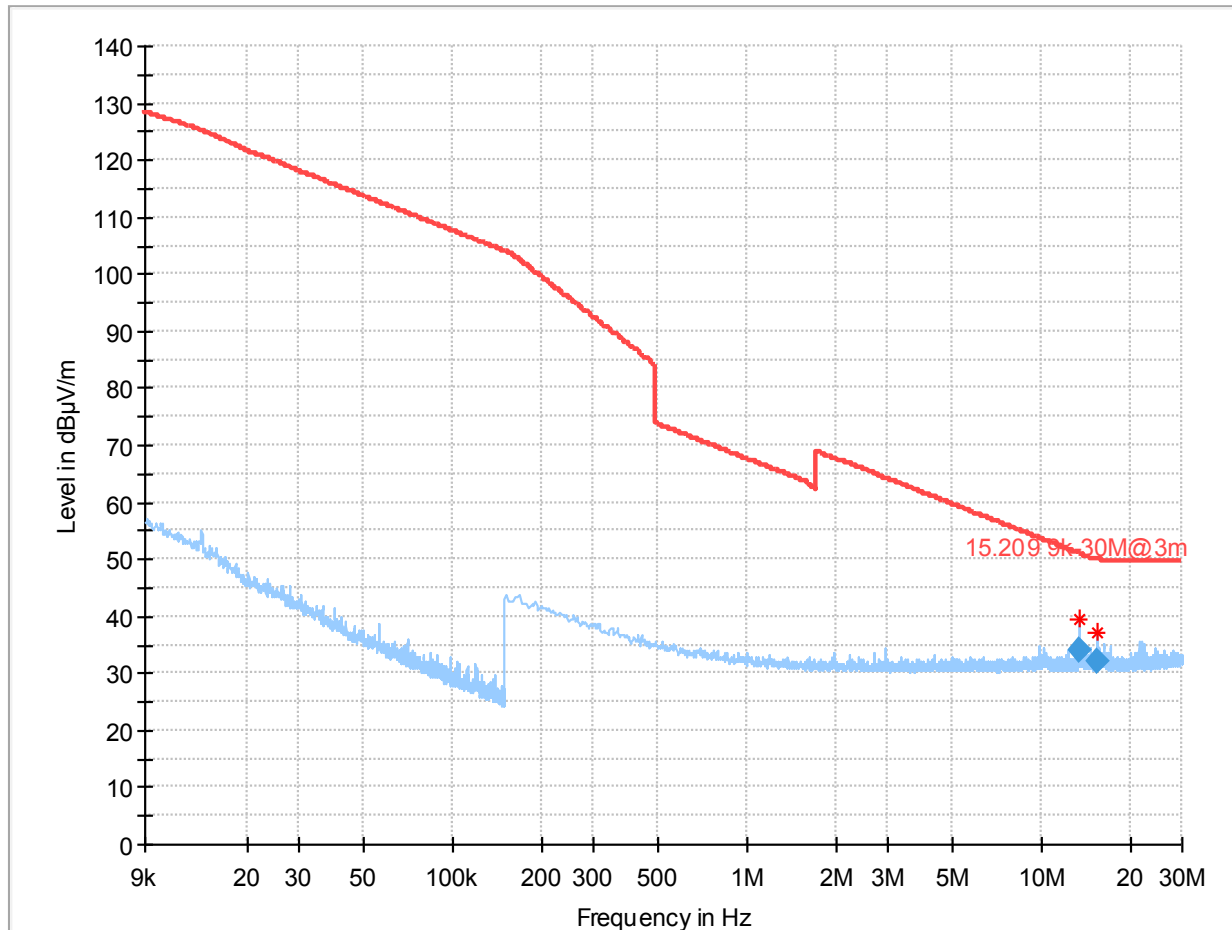
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
50.482000	22.70	40.00	17.30	100.0	120.000	100.0	V	57.0
204.332500	24.41	43.50	19.09	100.0	120.000	100.0	V	19.0
785.702000	30.88	46.00	15.12	100.0	120.000	100.0	H	74.0

Plot 88: Mode 1, RSE 9 kHz – 30 MHz, channel 149, loop antenna



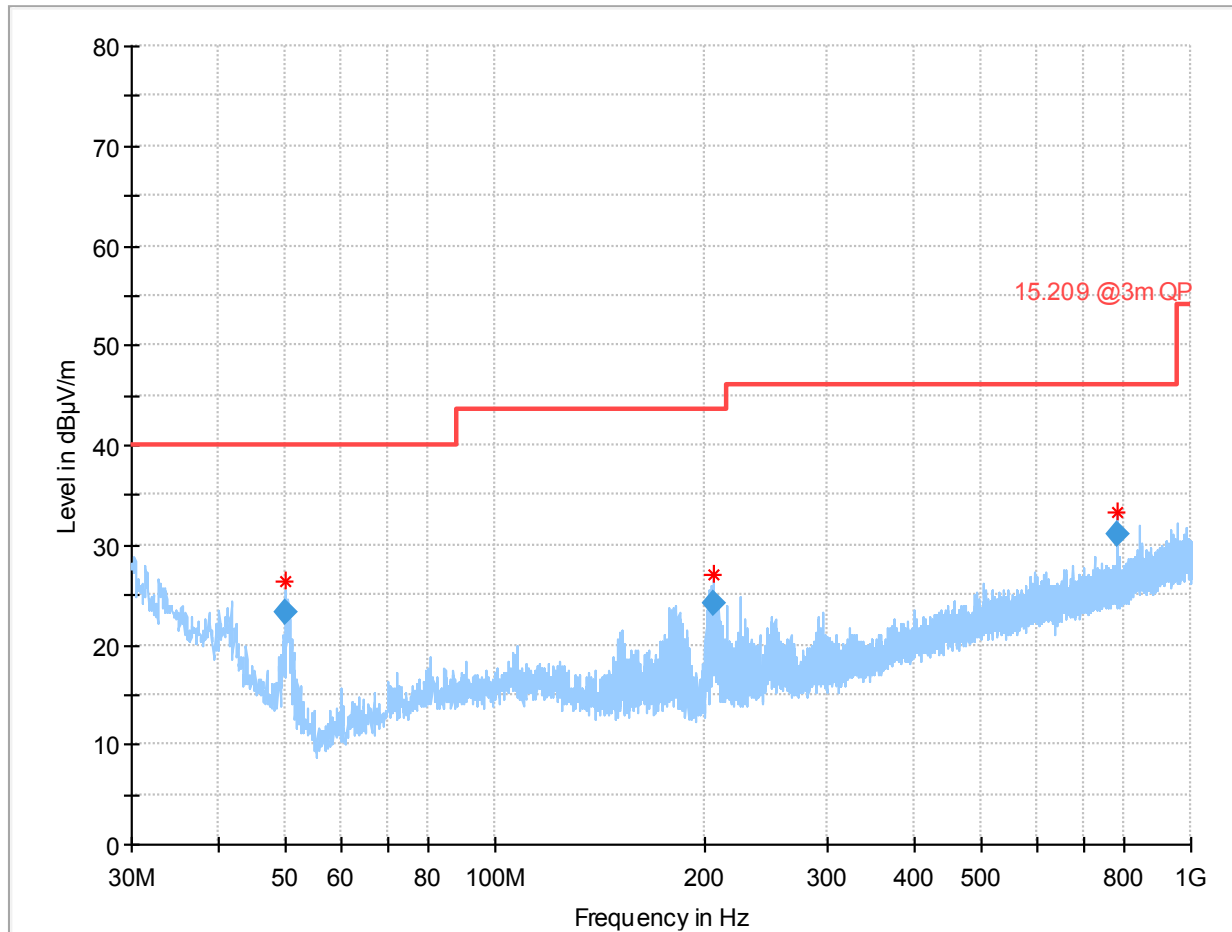
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.83	50.94	17.11	100.0	9.000	H	300.0	20.5
15.551250	31.51	50.03	18.52	100.0	9.000	H	300.0	20.5

Plot 89: Mode 1, RSE 9 kHz – 30 MHz, channel 165, loop antenna



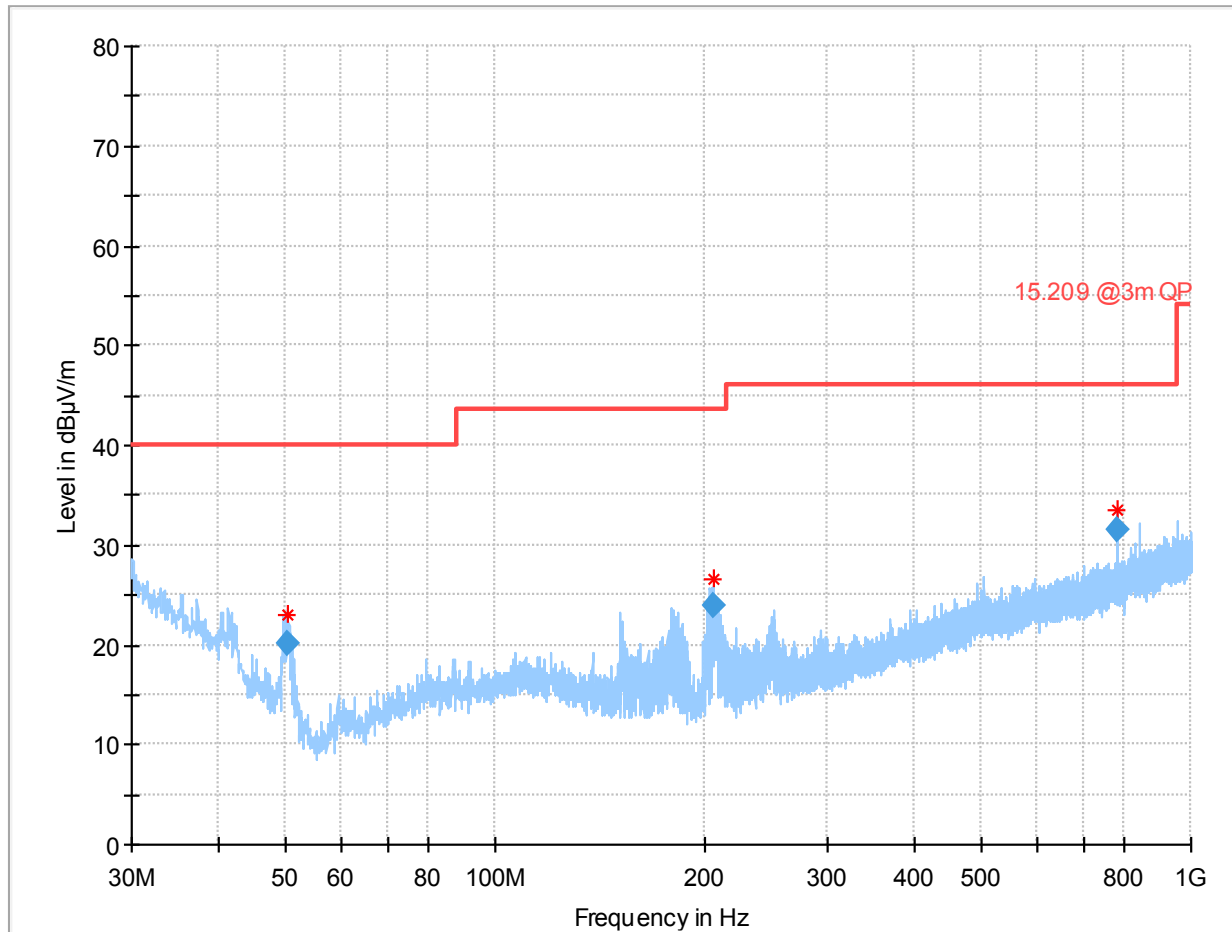
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
13.560000	33.87	50.94	17.07	100.0	9.000	V	-8.0	20.5
15.551250	32.03	50.03	18.00	100.0	9.000	V	60.0	20.5

Plot 90: 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)
49.982000	23.33	40.00	16.67	100.0	120.000	100.0	V	34.0
205.677000	24.03	43.50	19.47	100.0	120.000	100.0	V	29.0
785.702000	30.99	46.00	15.01	100.0	120.000	100.0	H	83.0

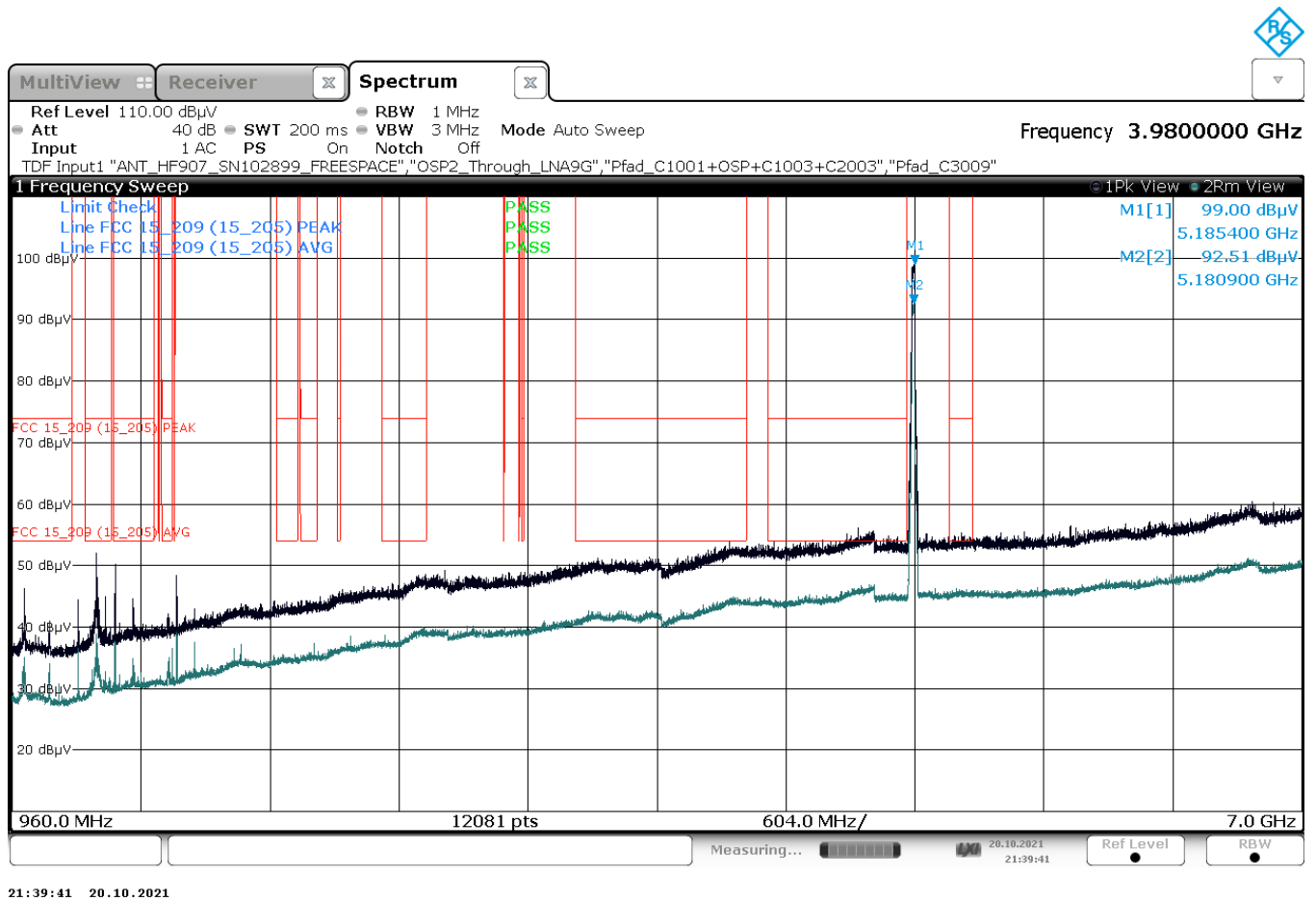
Plot 91: Mode 1, RSE 30 MHz – 1 GHz, channel 165, horizontal / vertical polarisation



Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
50.224500	20.22	40.00	19.78	100.0	120.000	103.0	V	235.0
205.426000	23.91	43.50	19.59	100.0	120.000	100.0	V	52.0
785.702000	31.44	46.00	14.56	100.0	120.000	103.0	V	312.0

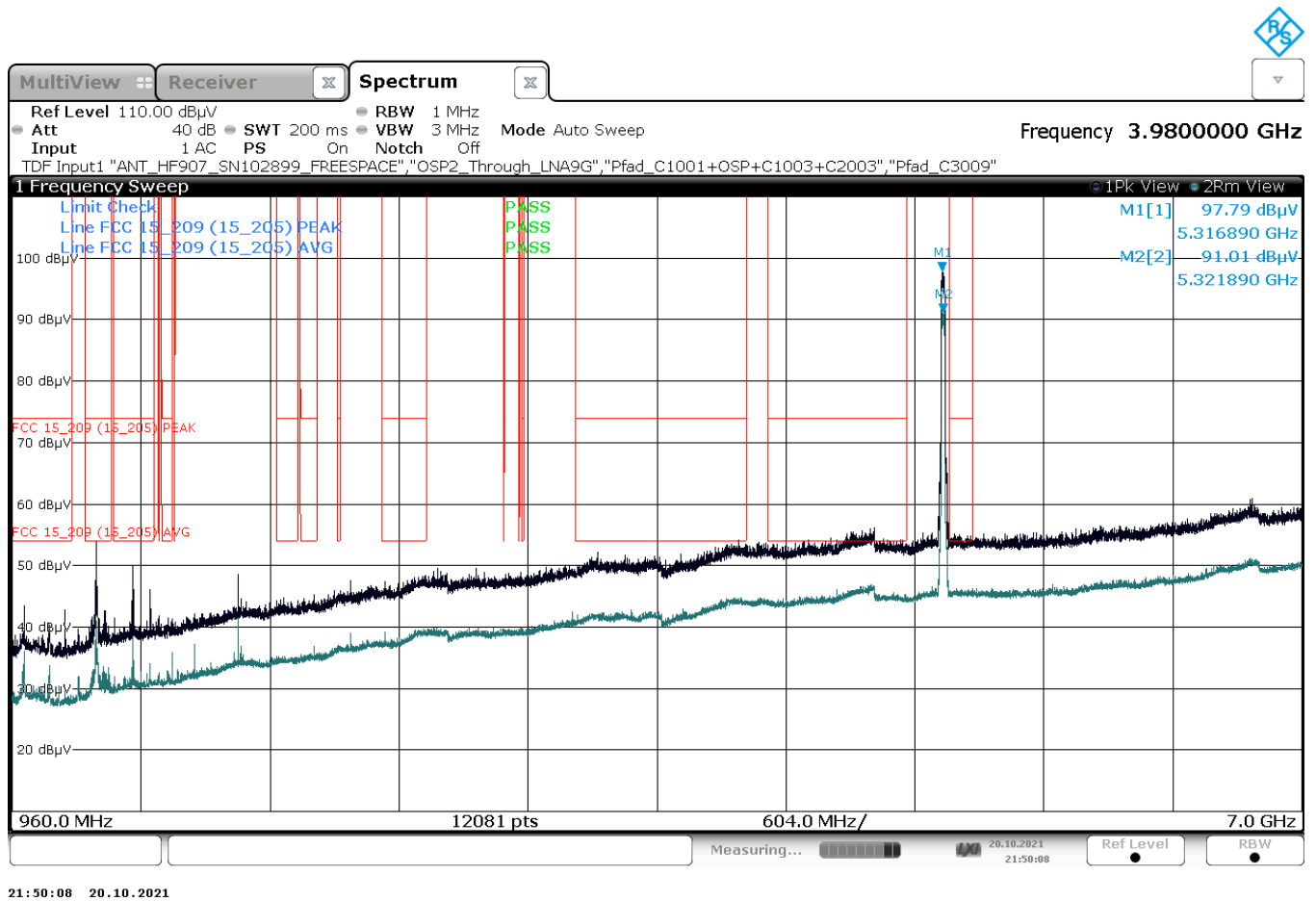
Annex A of TR no.: 21086128-23003-1

Plot 92: Mode 1, RSE 1 GHz – 7 GHz, channel 36, horizontal / vertical polarisation

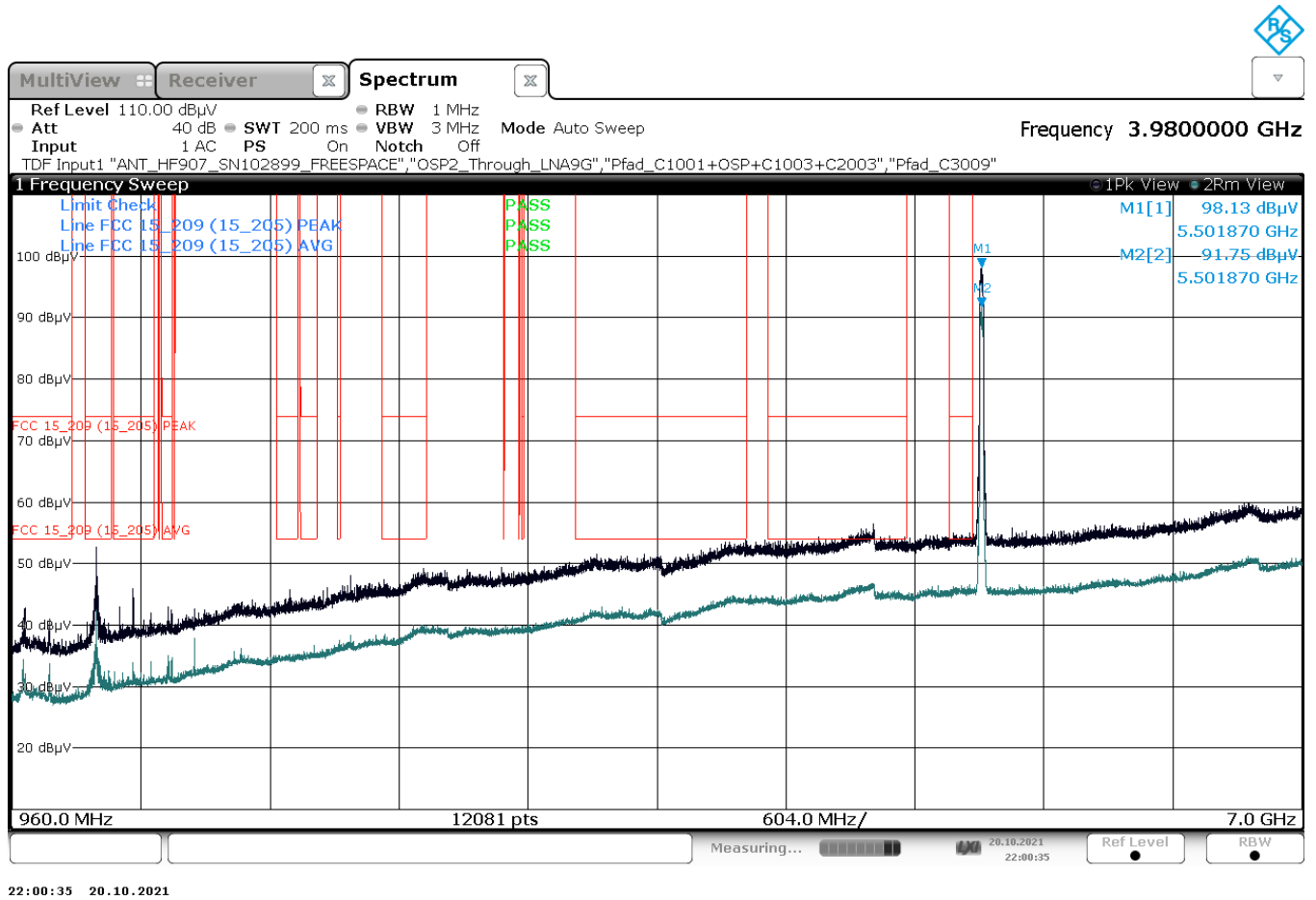


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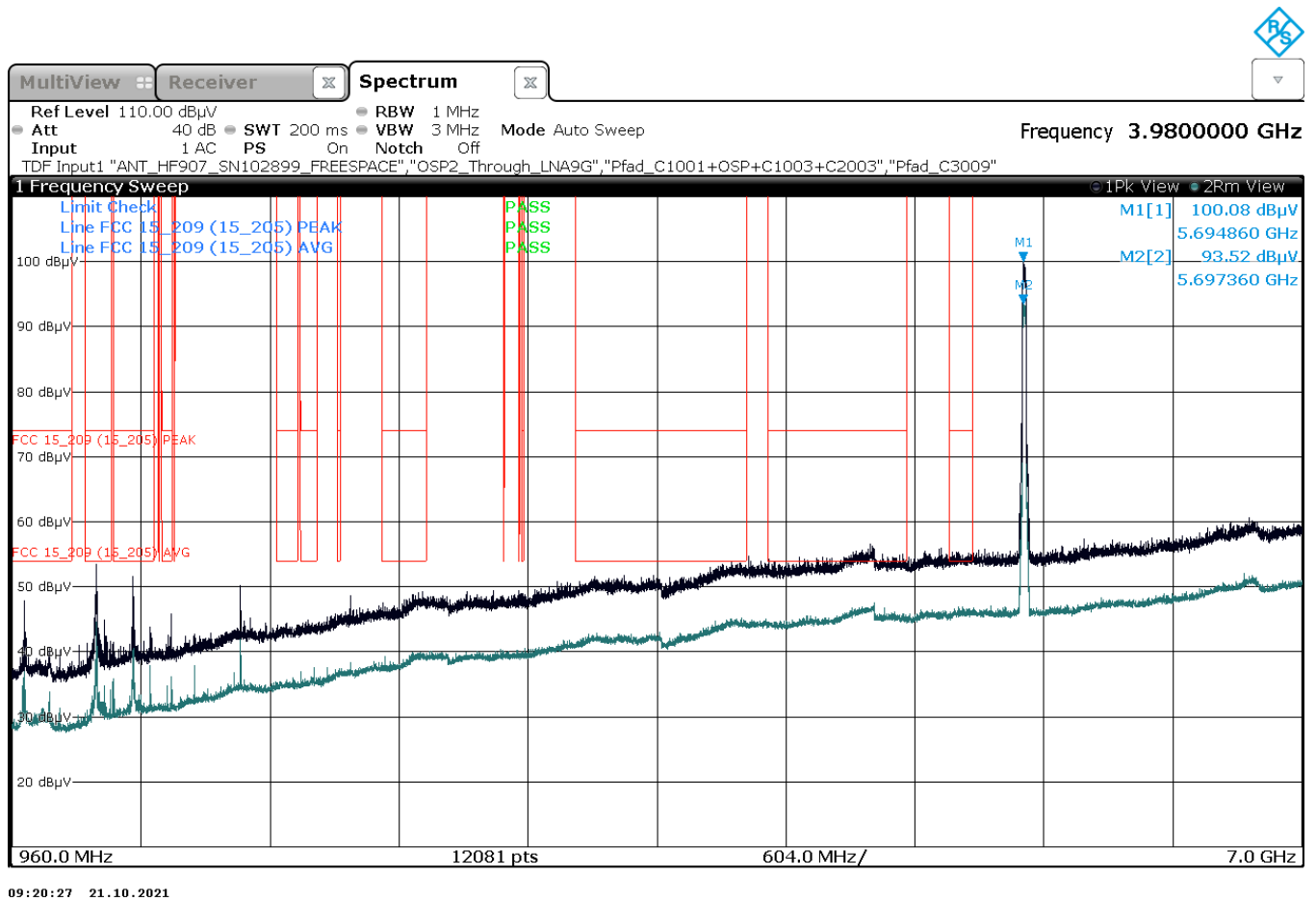
Plot 93: Mode 1, RSE 1 GHz – 7 GHz, channel 64, horizontal / vertical polarisation



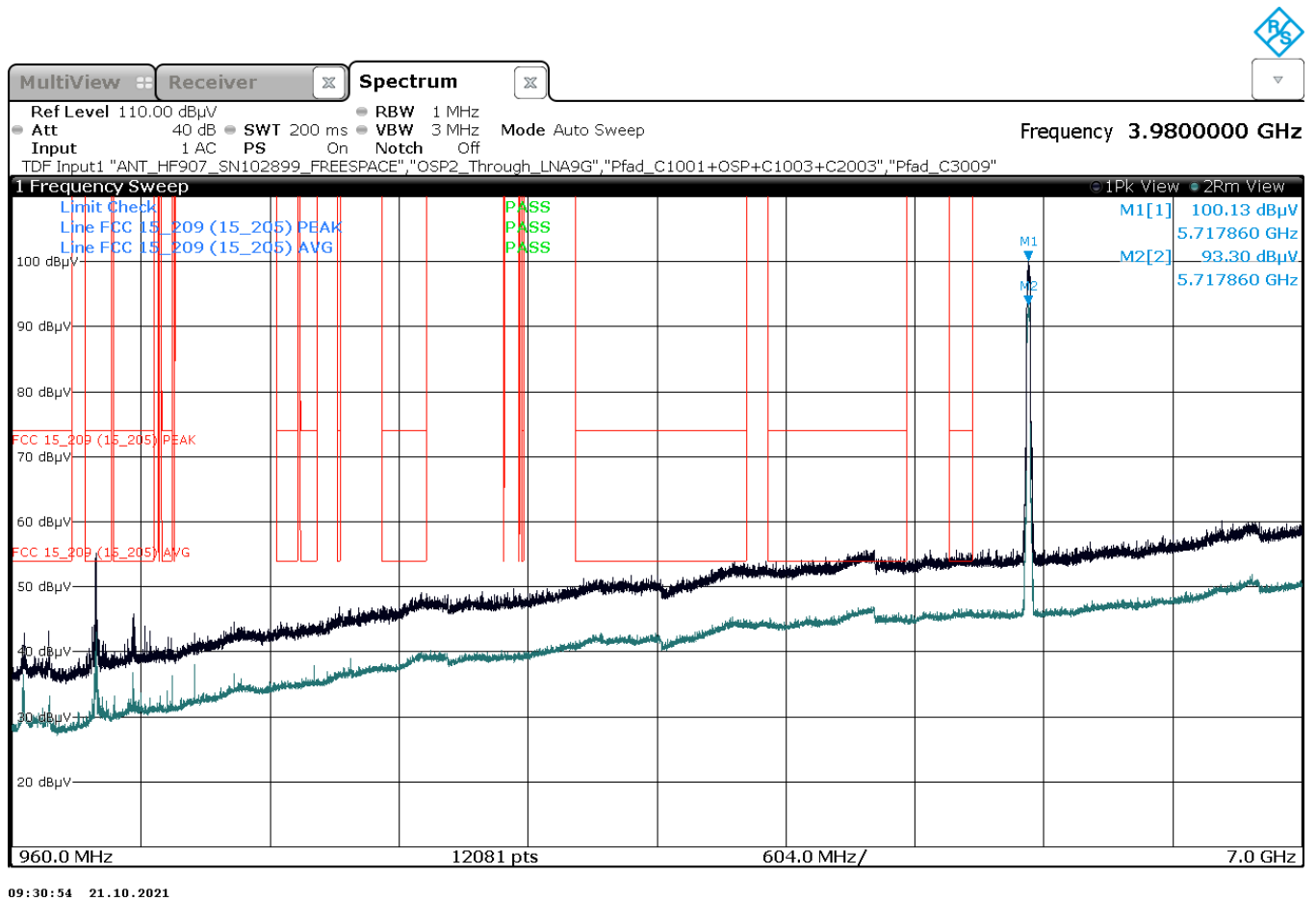
Plot 94: Mode 1, RSE 1 GHz – 7 GHz, channel 100, horizontal / vertical polarisation



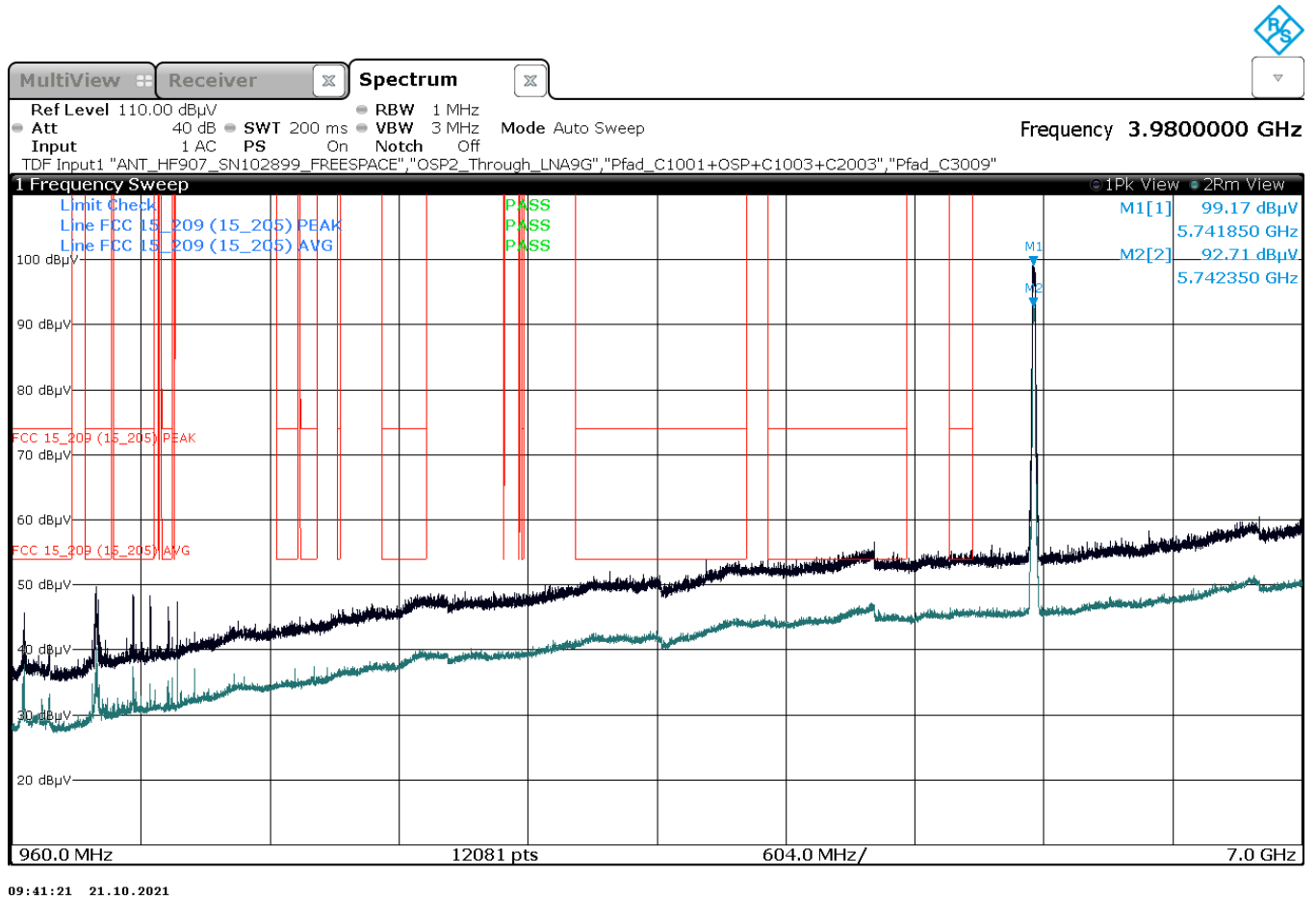
Plot 95: Mode 1, RSE 1 GHz – 7 GHz, channel 140, horizontal / vertical polarisation



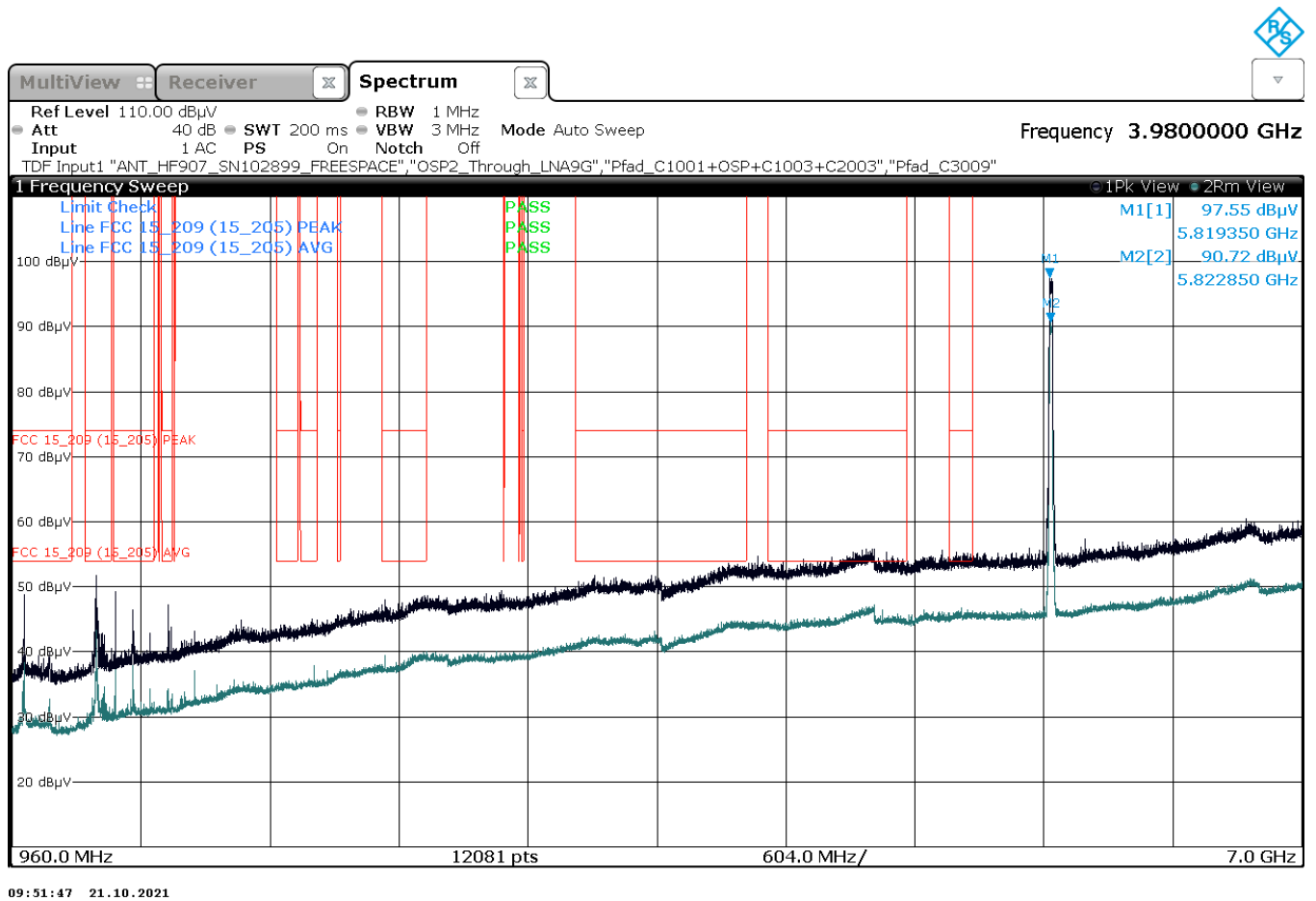
Plot 96: Mode 1, RSE 1 GHz – 7 GHz, channel 144, horizontal / vertical polarisation



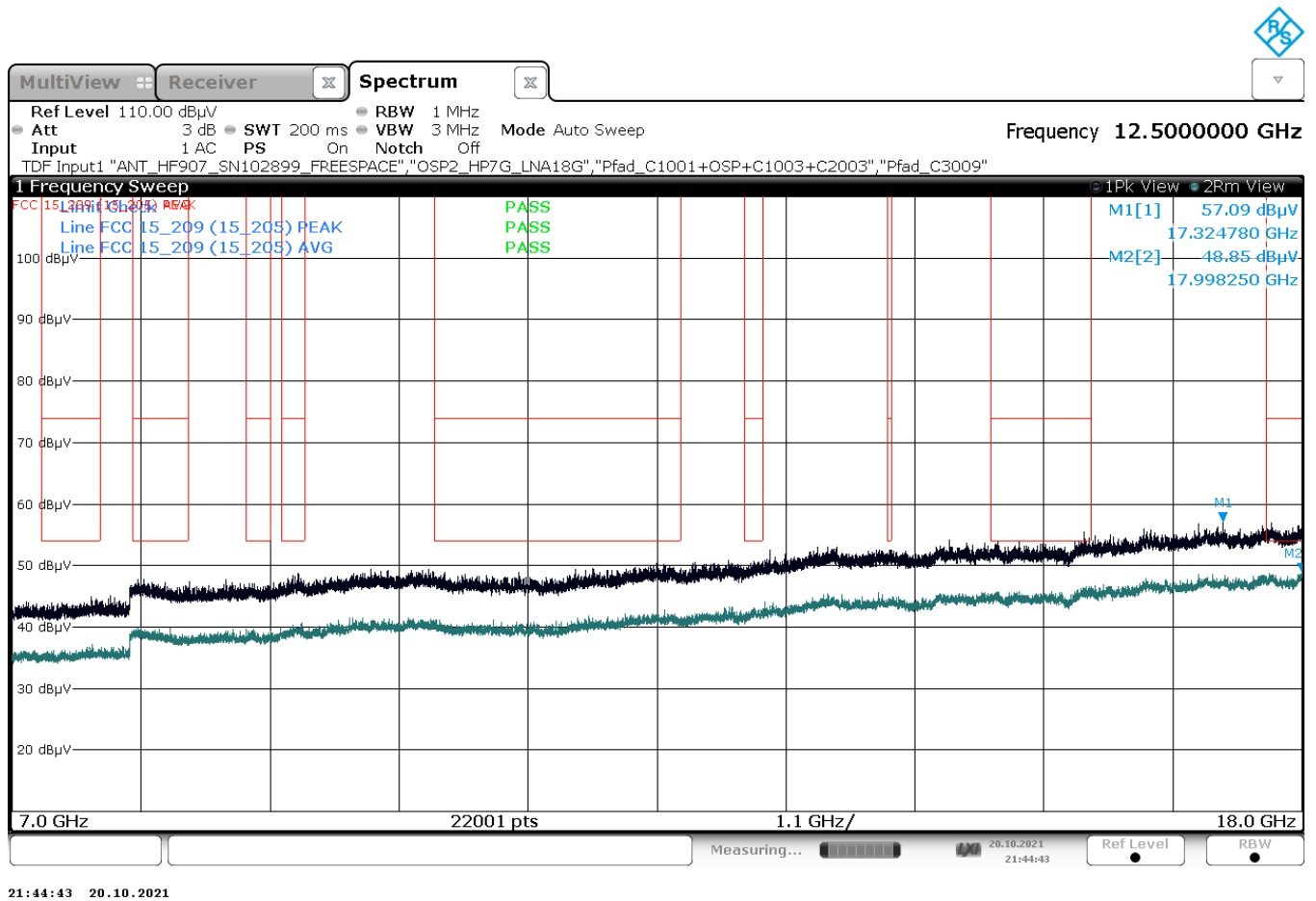
Plot 97: Mode 1, RSE 1 GHz – 7 GHz, channel 149, horizontal / vertical polarisation



Plot 98: Mode 1, RSE 1 GHz – 7 GHz, channel 165, horizontal / vertical polarisation



Plot 99: Mode 1, RSE 7 GHz – 18 GHz, channel 36, horizontal / vertical polarisation



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Plot 100: Mode 1, RSE 7 GHz – 18 GHz, channel 64, horizontal / vertical polarisation

