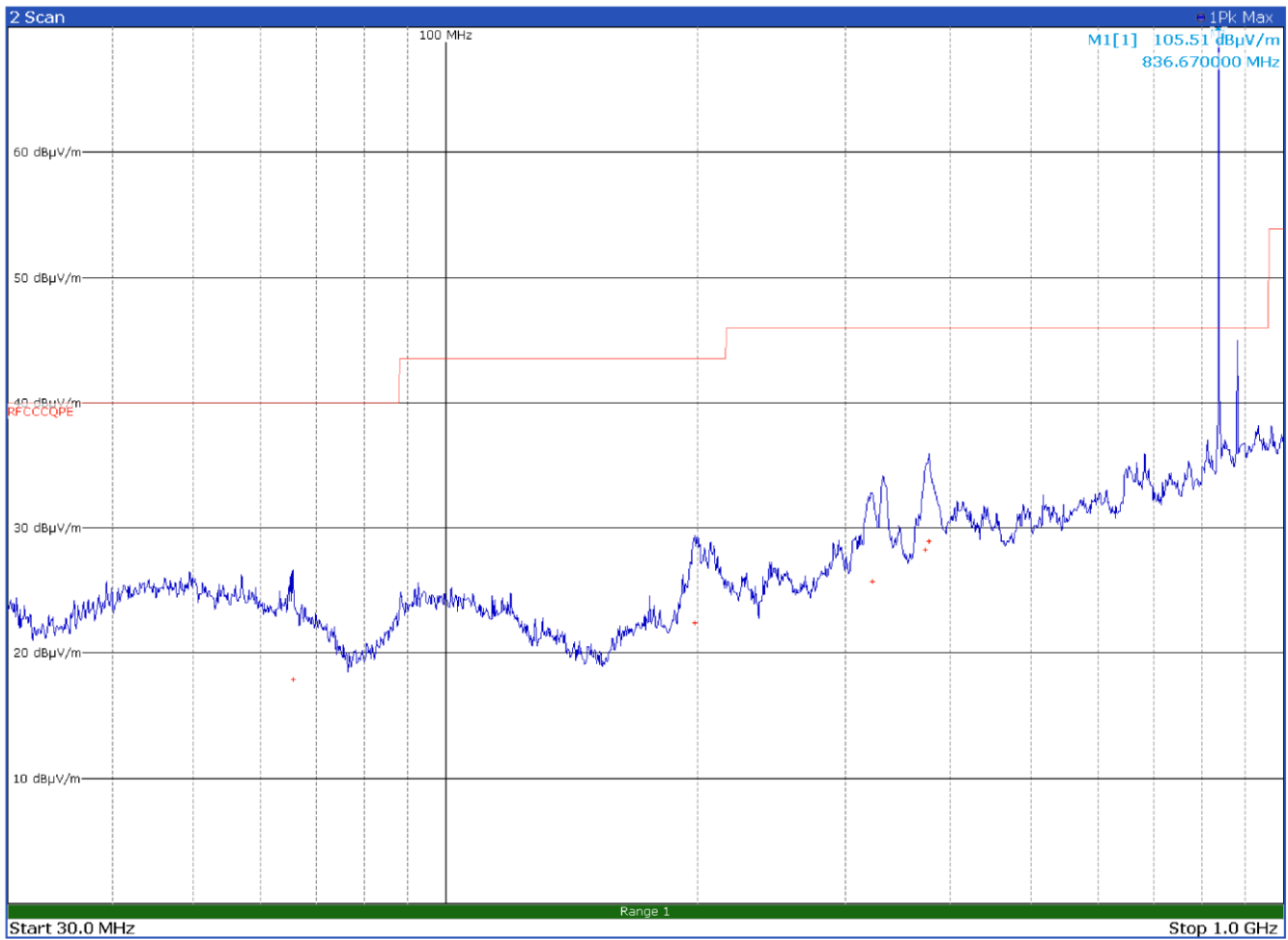


Antenna in vertical polarization – No inter-modulation product founds

8.1.15 Test data for ANTENNA SET B – GSM 850 at 836.6 MHz and WIFI 802.11a at 5300 MHz

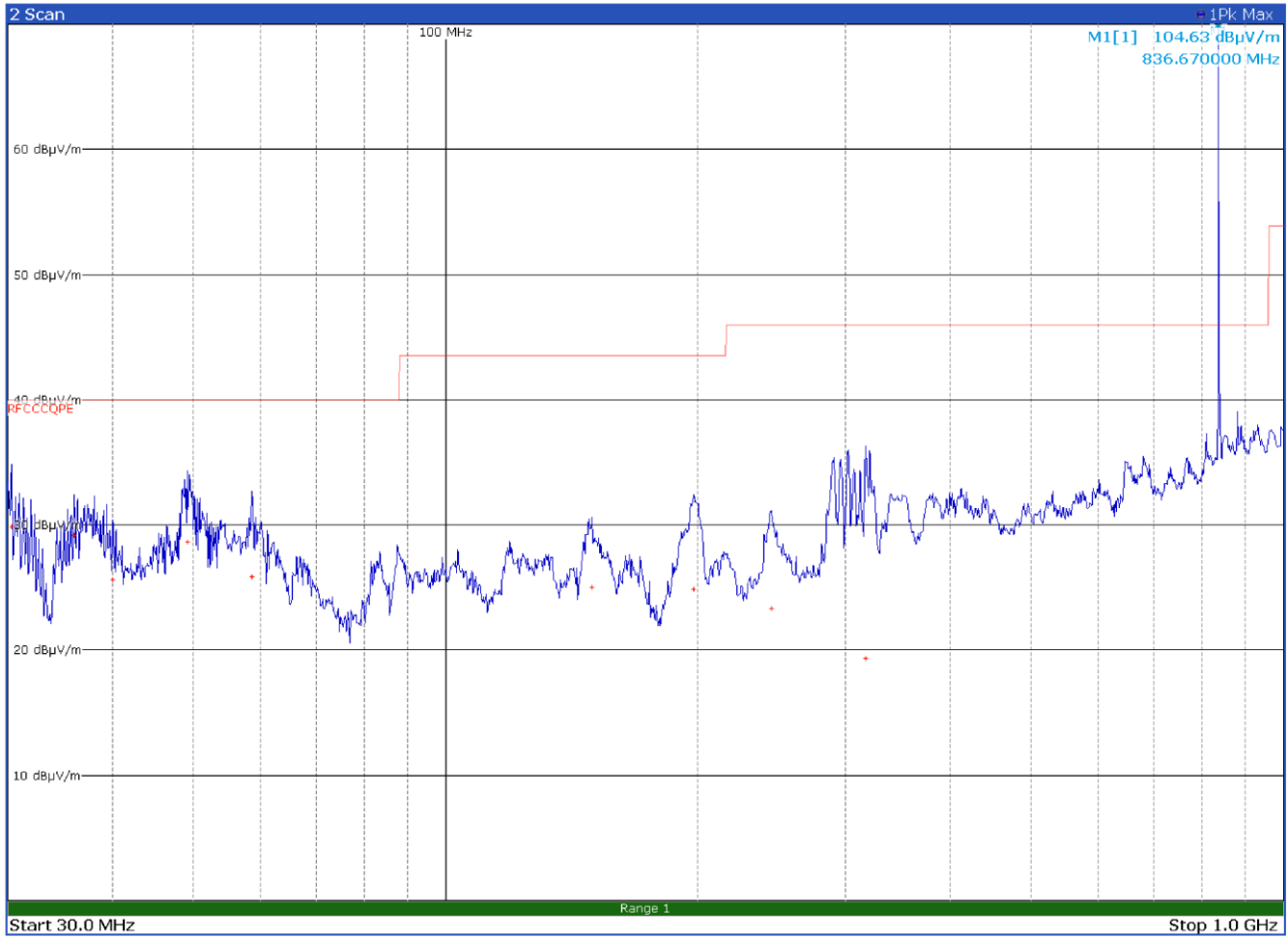


15:48:04 25.01.2022

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Antenna in horizontal polarization – Limit exceeded by carrier

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
65.6400	17.9	40.0	-22.1	QP
198.2700	22.5	43.5	-21.0	QP
322.6200	25.7	46.0	-20.3	QP
373.5900	28.3	46.0	-17.7	QP
377.6400	29.0	46.0	-17.0	QP

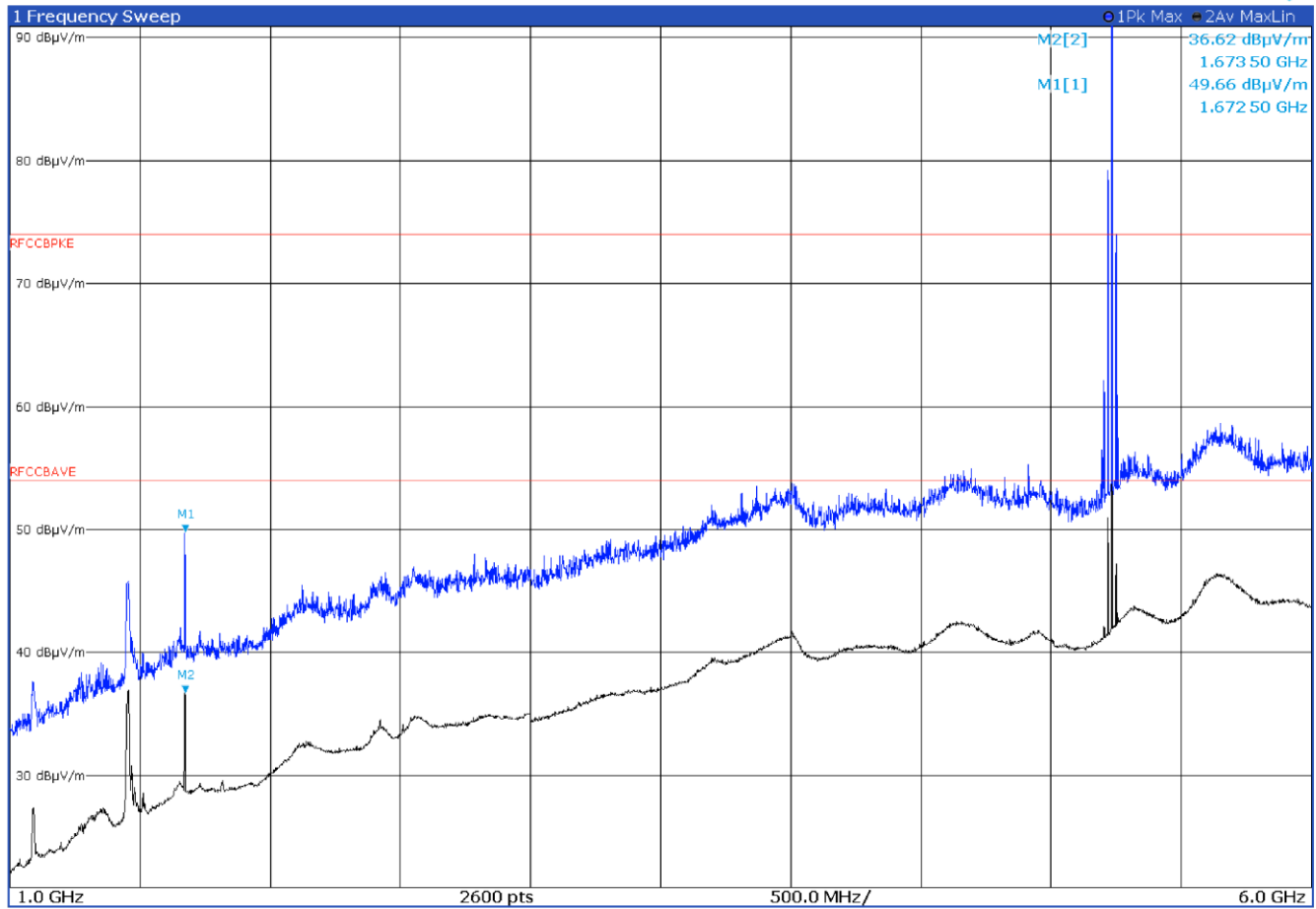


15:45:56 25.01.2022

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Antenna in vertical polarization – Limit exceeded by carrier

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
30.3000	29.9	40.0	-10.1	QP
36.0000	29.2	40.0	-10.8	QP
40.0500	25.7	40.0	-14.3	QP
49.1100	28.7	40.0	-11.3	QP
58.7100	25.9	40.0	-14.1	QP
149.4000	25.1	43.5	-18.4	QP
197.8200	24.9	43.5	-18.6	QP
244.6500	23.4	46.0	-22.6	QP
316.9500	19.4	46.0	-26.6	QP



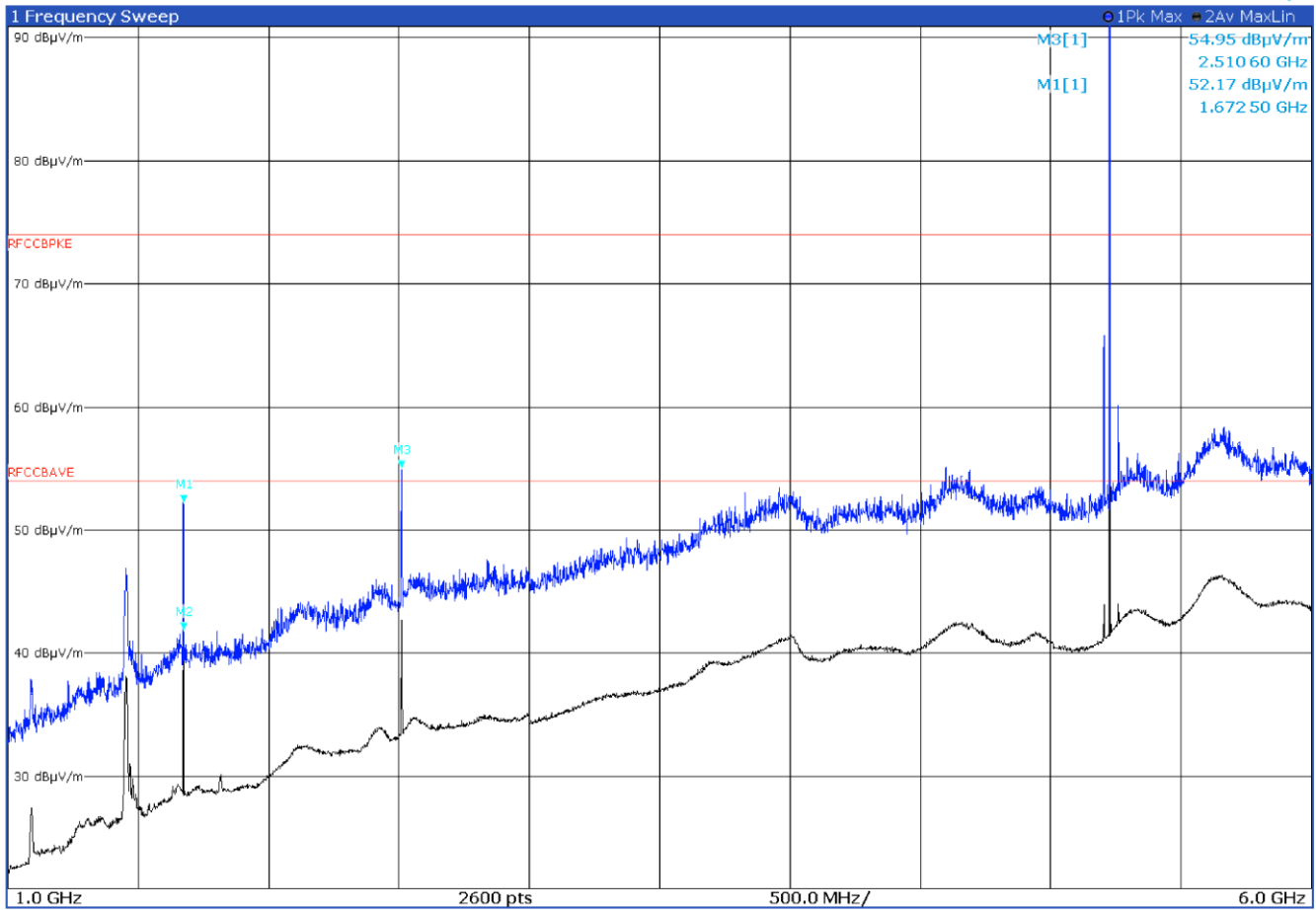
19:53:19 28.01.2022

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Antenna in horizontal polarization – Limit exceeded by carrier

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
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No inter-modulation product founds – All the other peak found are below the average limit



19:55:57 28.01.2022

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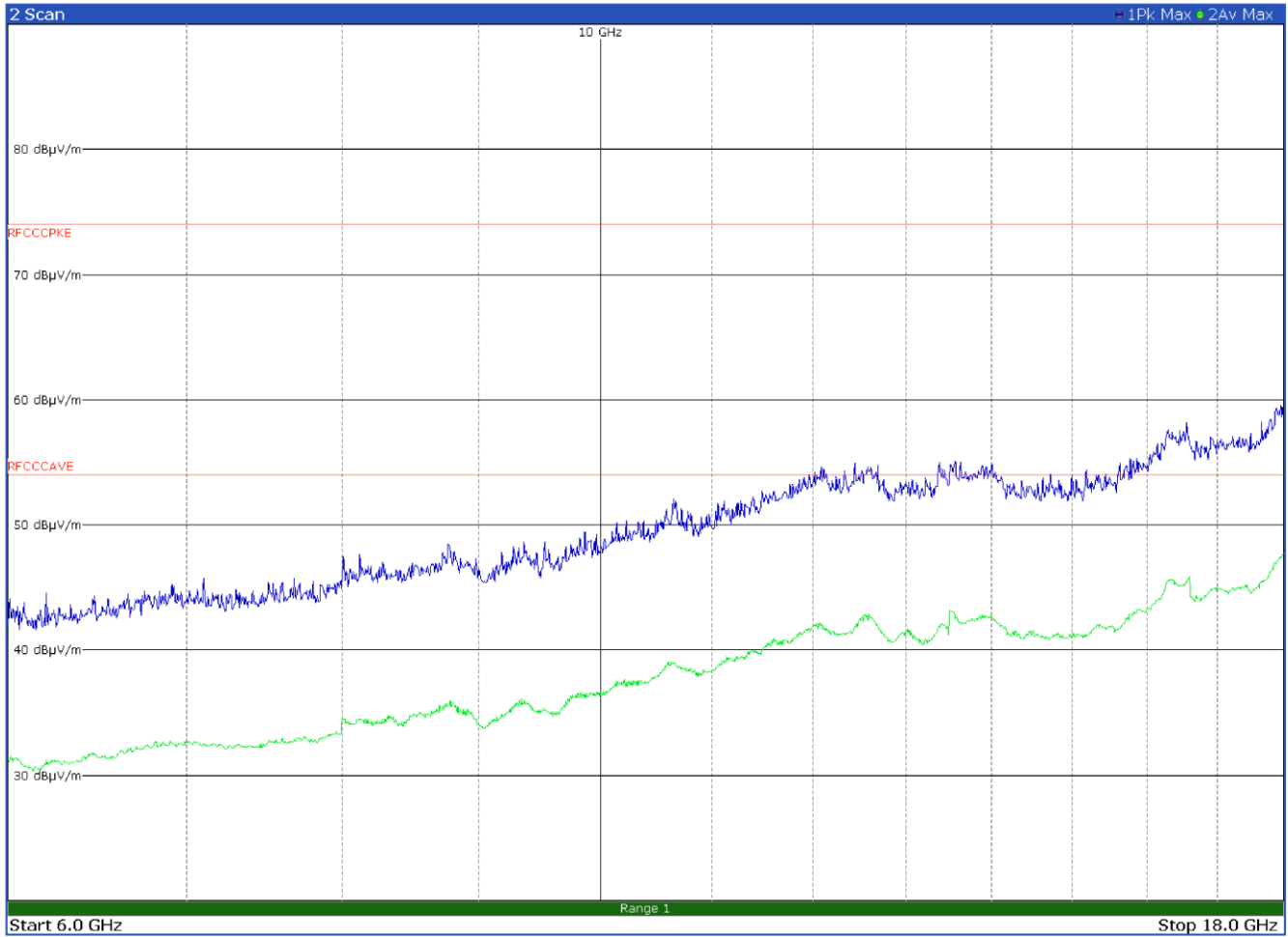


2 Marker Table						
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	1.6725 GHz	52.17 dBµV/m		
M2		2	1.6735 GHz	41.77 dBµV/m		
M3		1	2.5106 GHz	54.95 dBµV/m		

Antenna in vertical polarization – Limit exceeded by carrier

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
2510.6	55.0	82.0	-17.0	PEAK

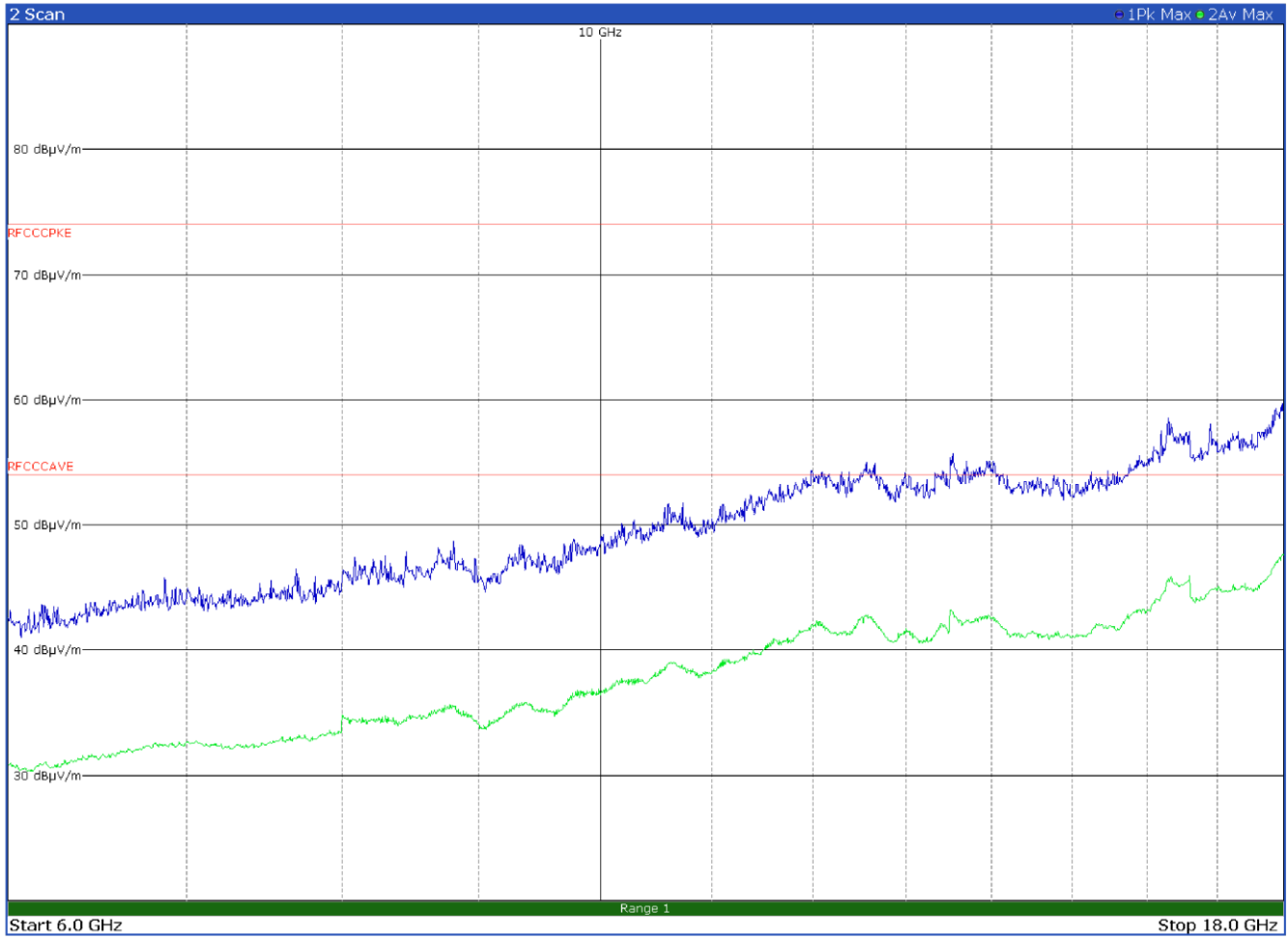
No inter-modulation product founds – All the other peak found are below the average limit



18:06:48 26.01.2022

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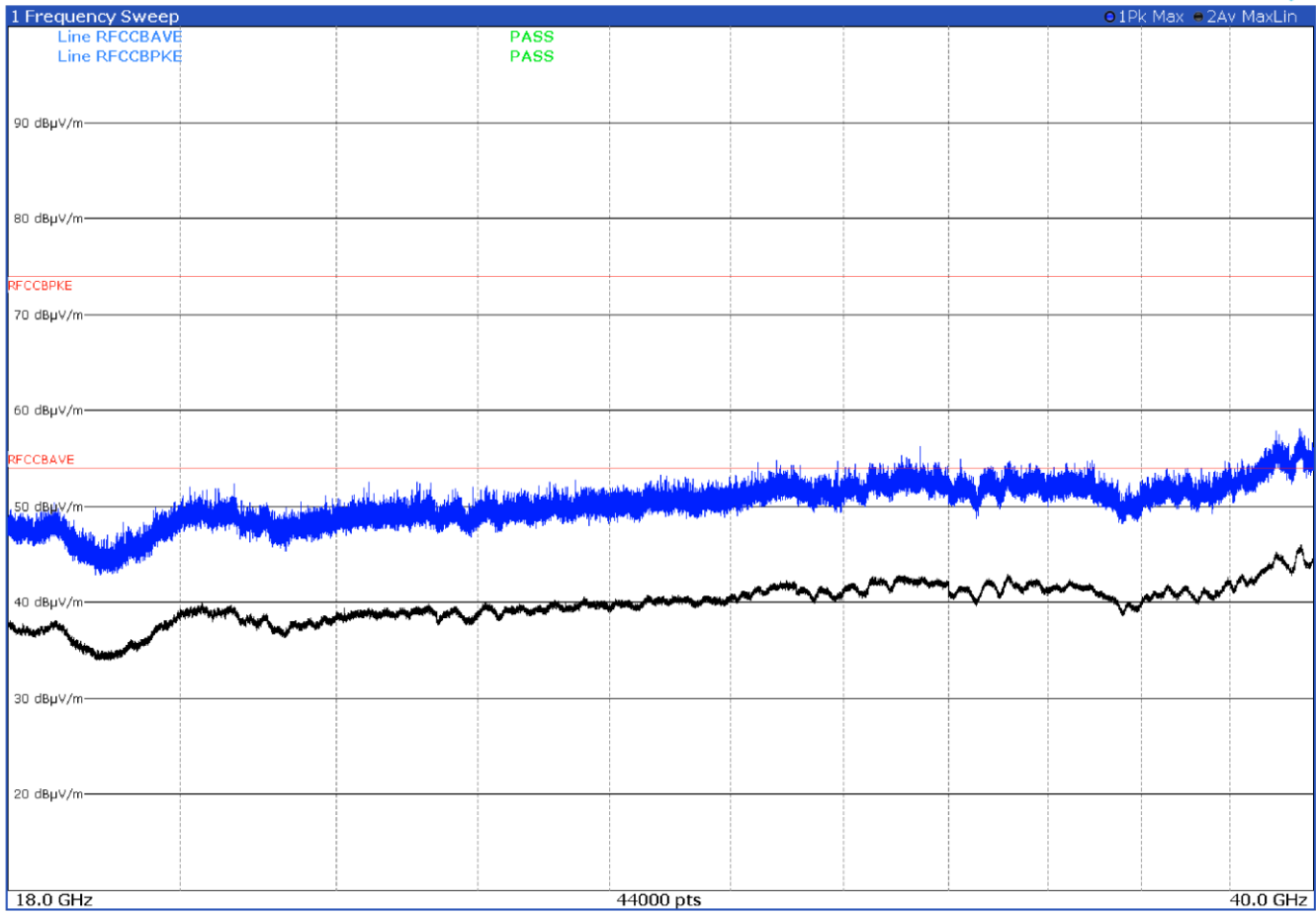
Antenna in horizontal polarization – No inter-modulation product founds



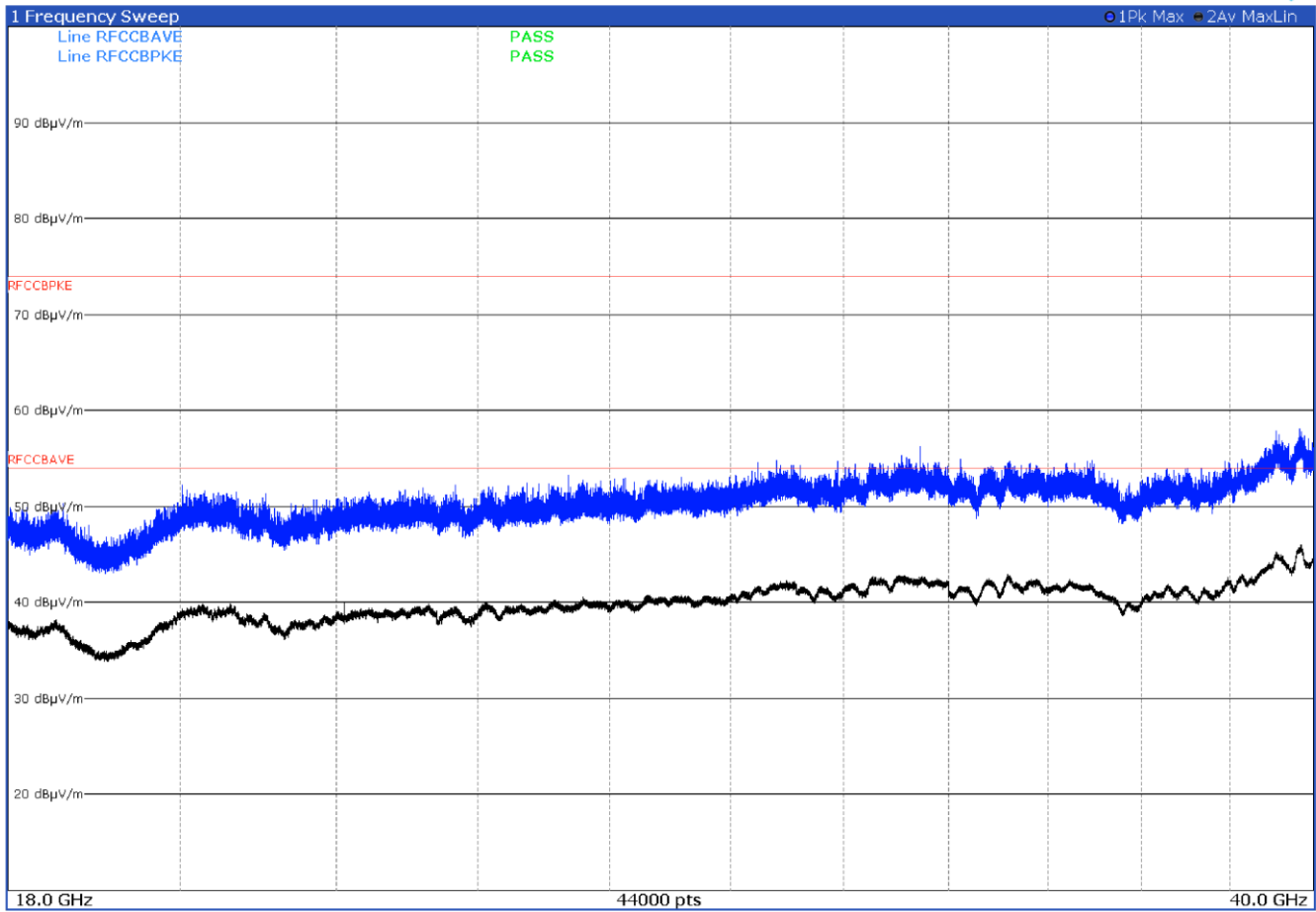
18:04:48 26.01.2022

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Antenna in vertical polarization – No inter-modulation product founds

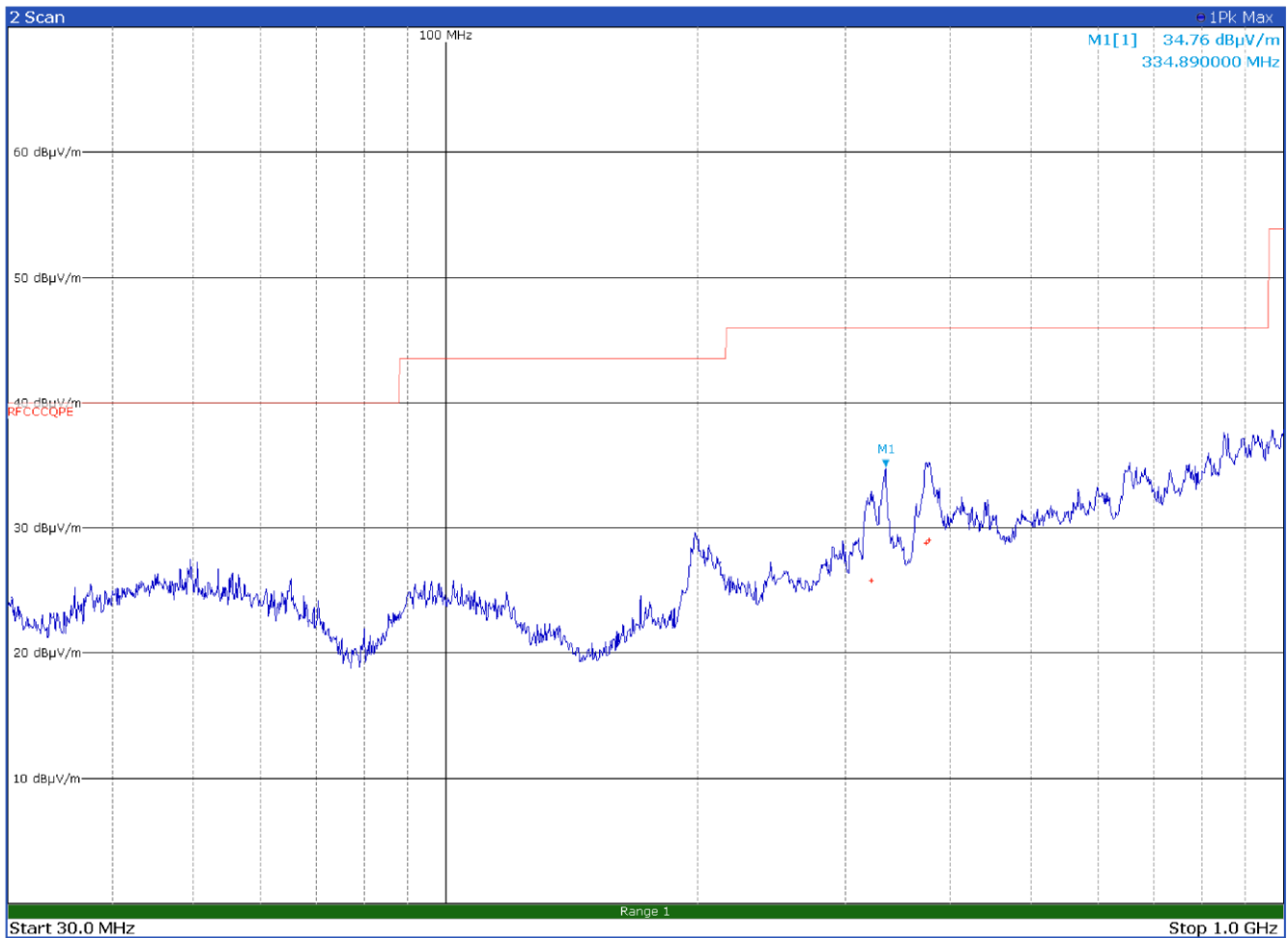


Antenna in horizontal polarization – No inter-modulation product founds



Antenna in vertical polarization – No inter-modulation product founds

8.1.16 Test data for ANTENNA SET B – WCDMA B4 at 1732.6 MHz and WIFI 802.11g at 2437 MHz

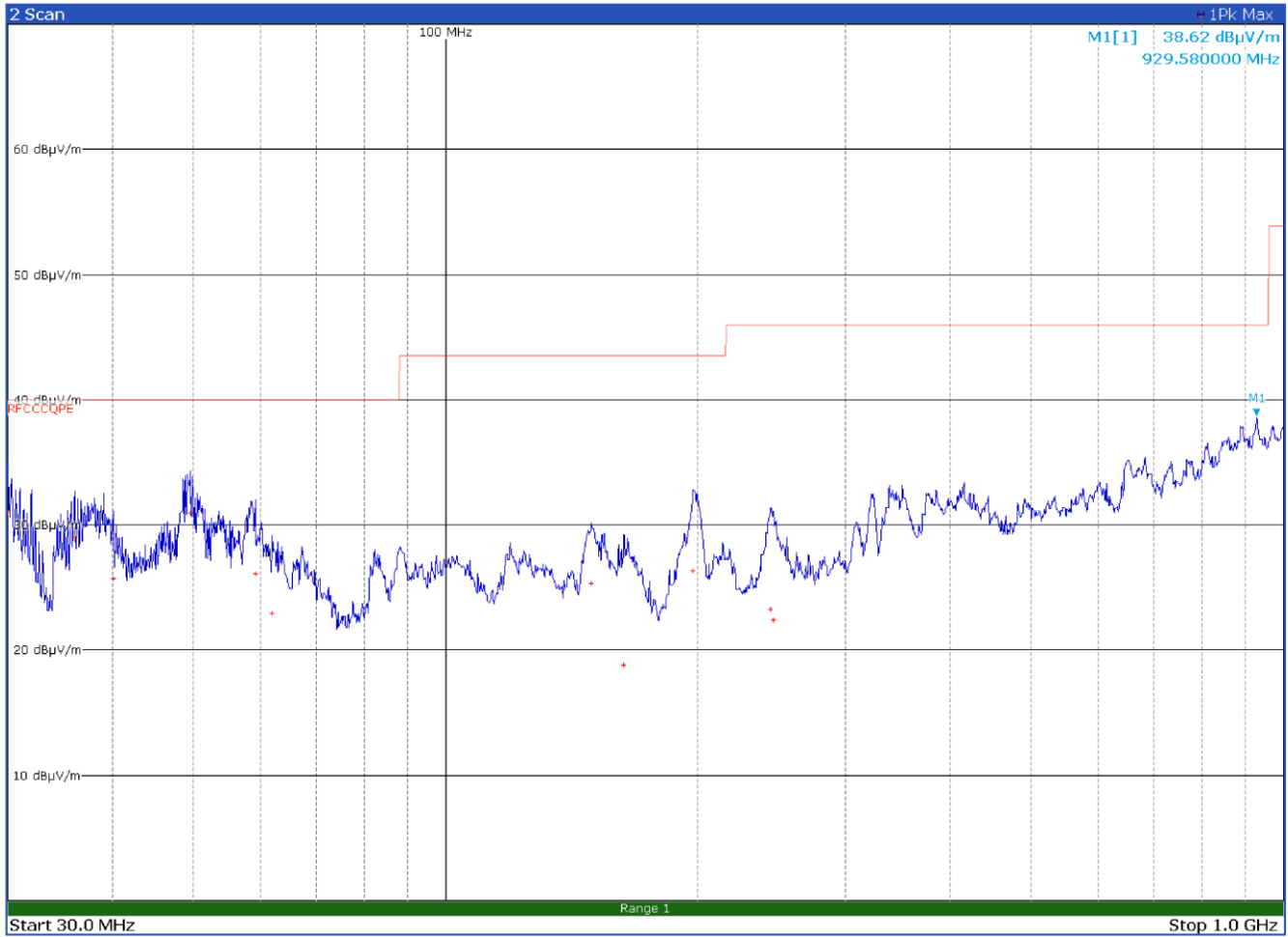


16:00:26 25.01.2022

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Antenna in horizontal polarization

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
321.9300	25.9	46.0	-20.1	QP
374.4900	28.8	46.0	-17.2	QP
377.3700	29.1	46.0	-16.9	QP

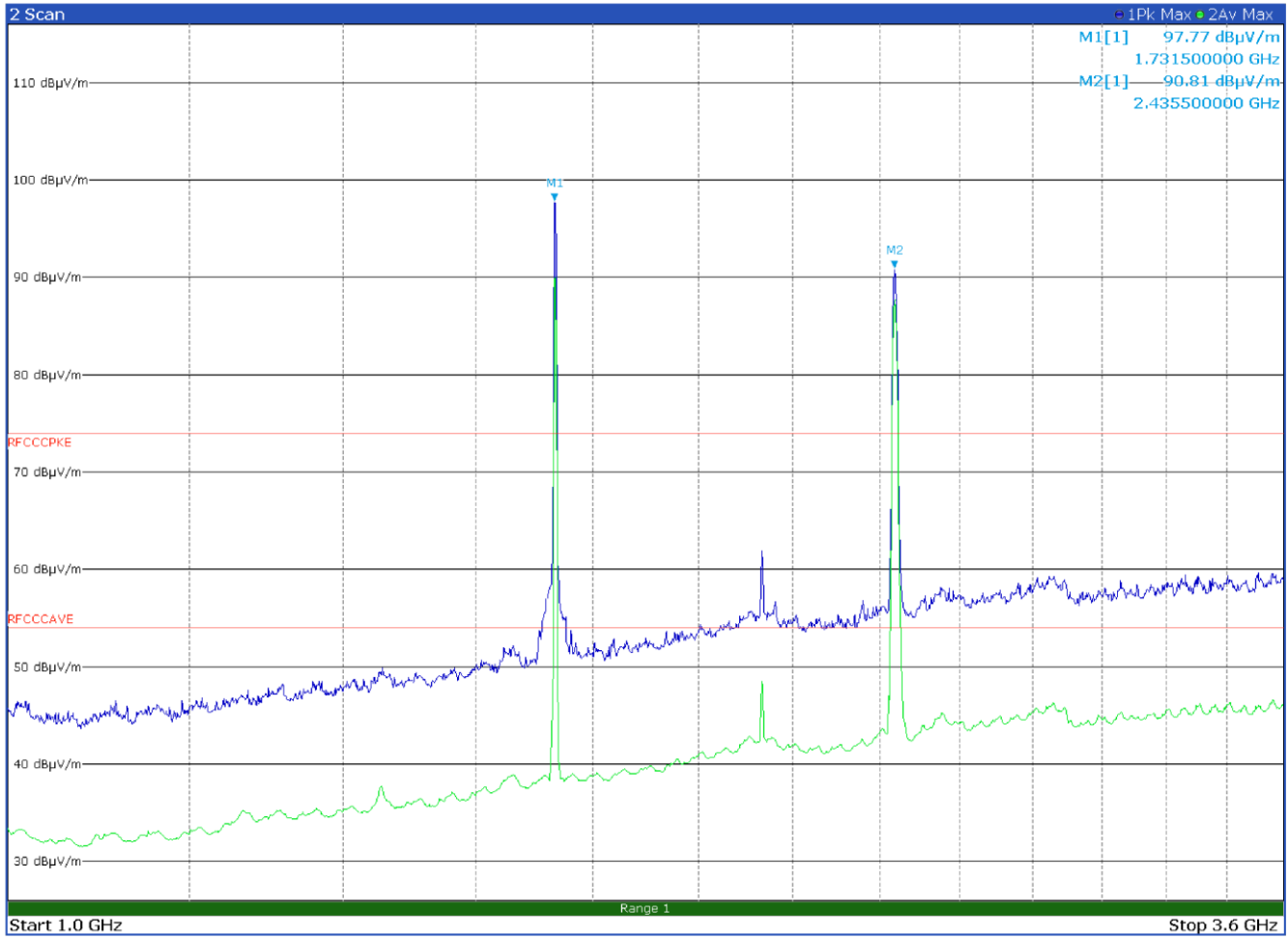


16:02:25 25.01.2022

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Antenna in vertical polarization

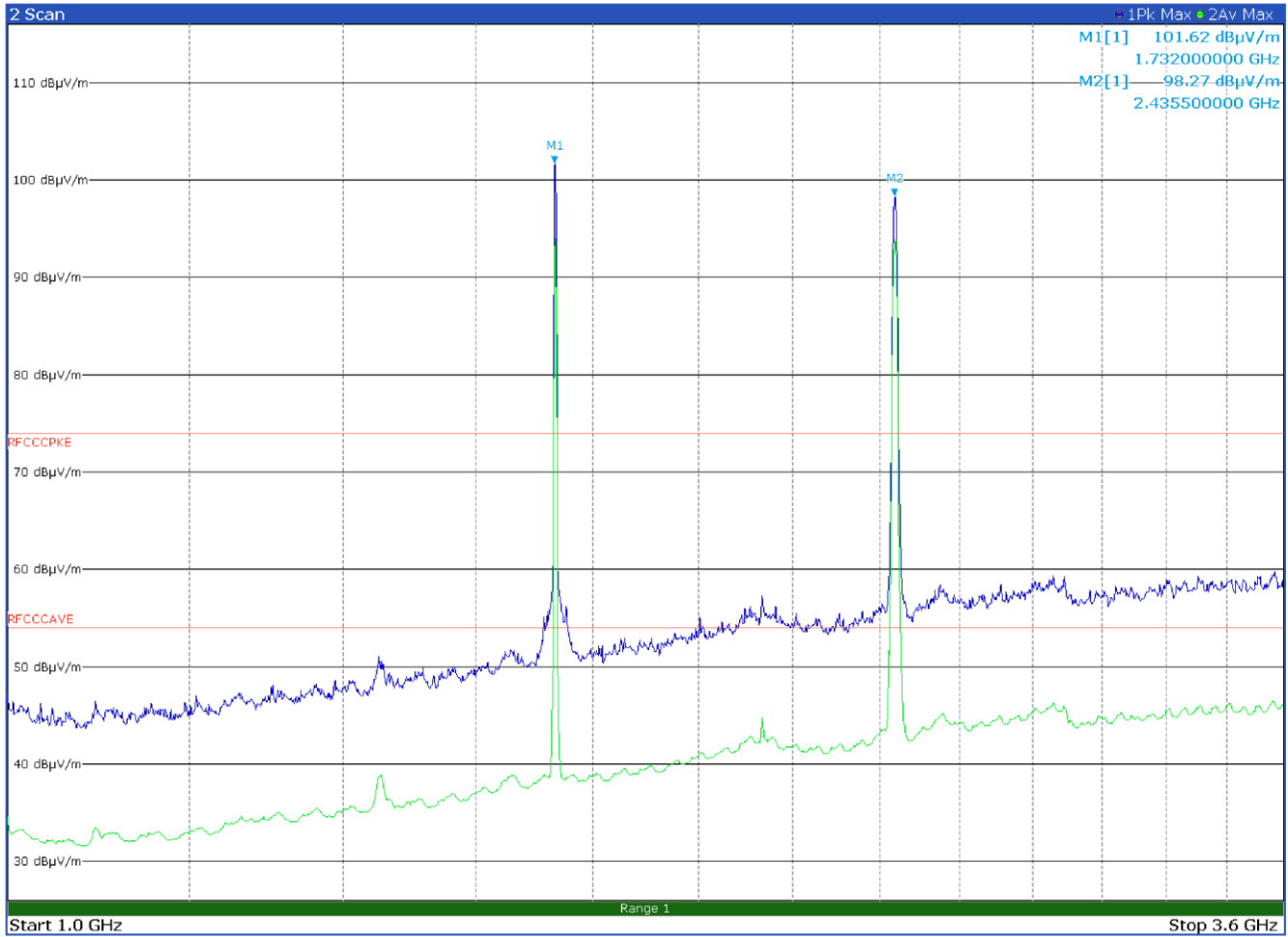
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
30.0000	31.1	40.0	-8.9	QP
36.0600	29.1	40.0	-10.9	QP
40.0800	25.7	40.0	-14.3	QP
49.5000	31.0	40.0	-9.0	QP
59.2800	26.2	40.0	-13.8	QP
62.0100	23.0	40.0	-17.0	QP
148.8900	25.4	43.5	-18.1	QP
163.2000	18.8	43.5	-24.7	QP
197.3700	26.4	43.5	-17.1	QP
244.2900	23.3	46.0	-22.7	QP
246.1200	22.5	46.0	-23.5	QP



20:17:06 25.01.2022

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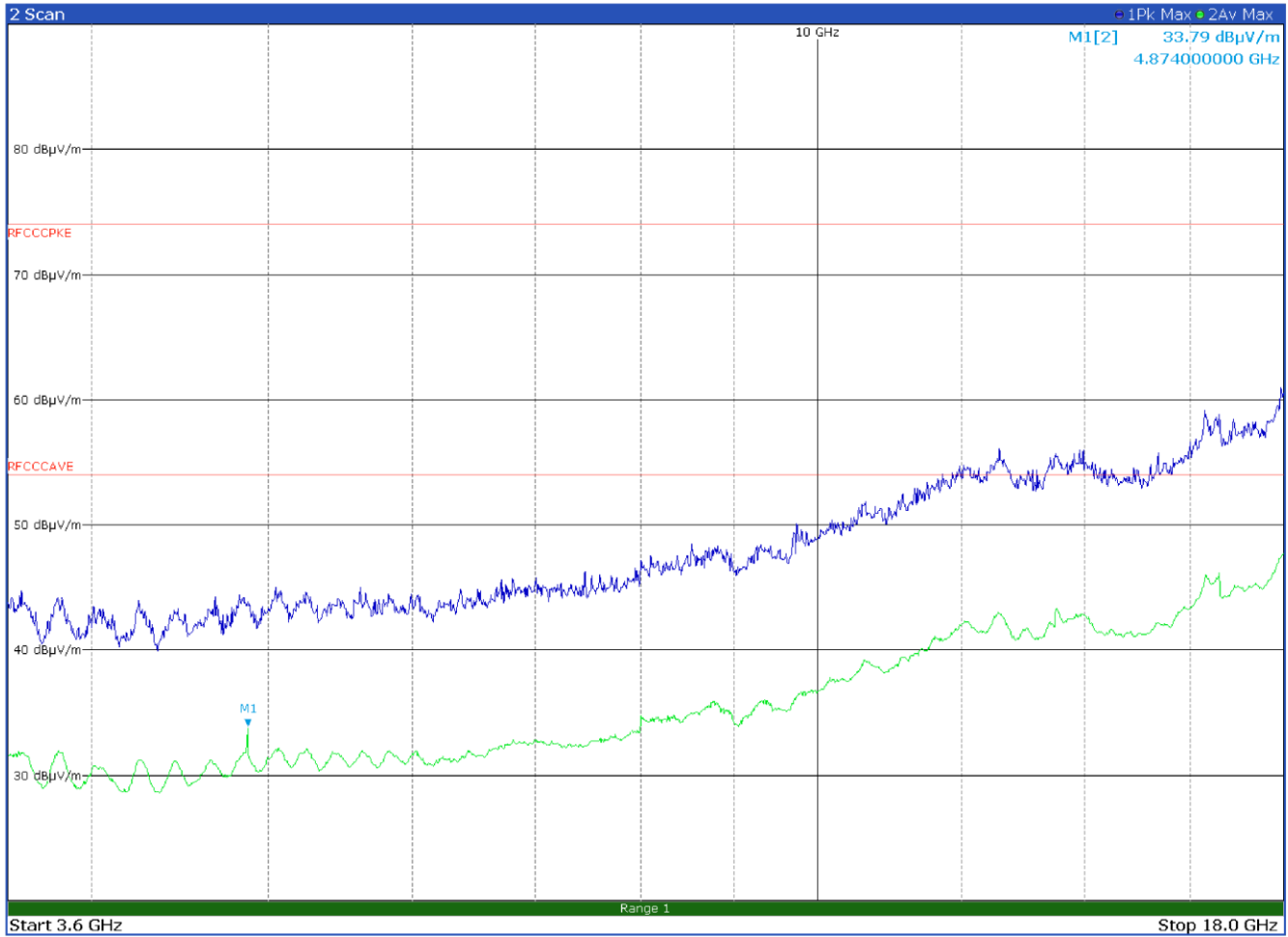
Antenna in horizontal polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



20:18:30 25.01.2022

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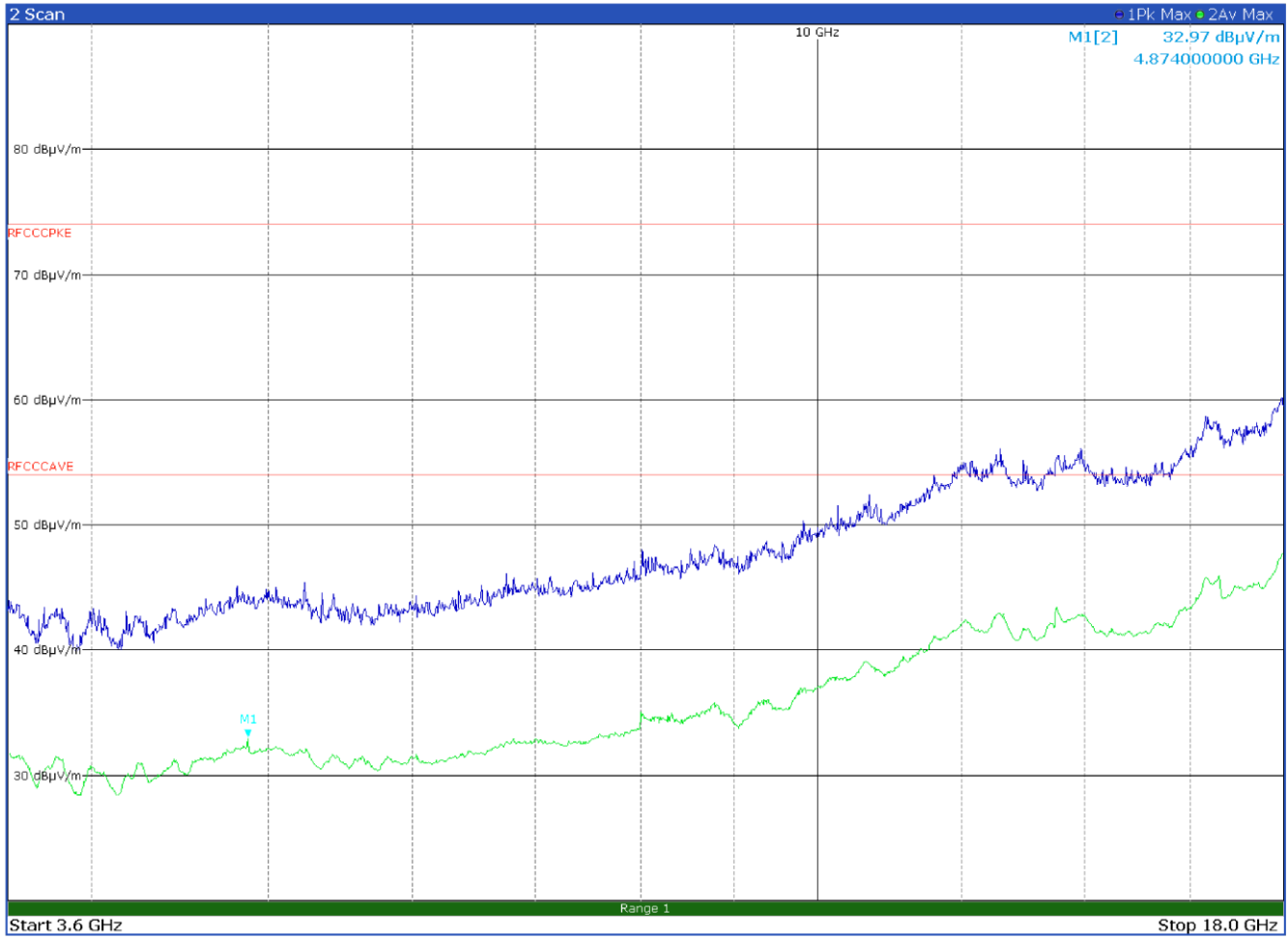
Antenna in vertical polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



18:29:15 26.01.2022

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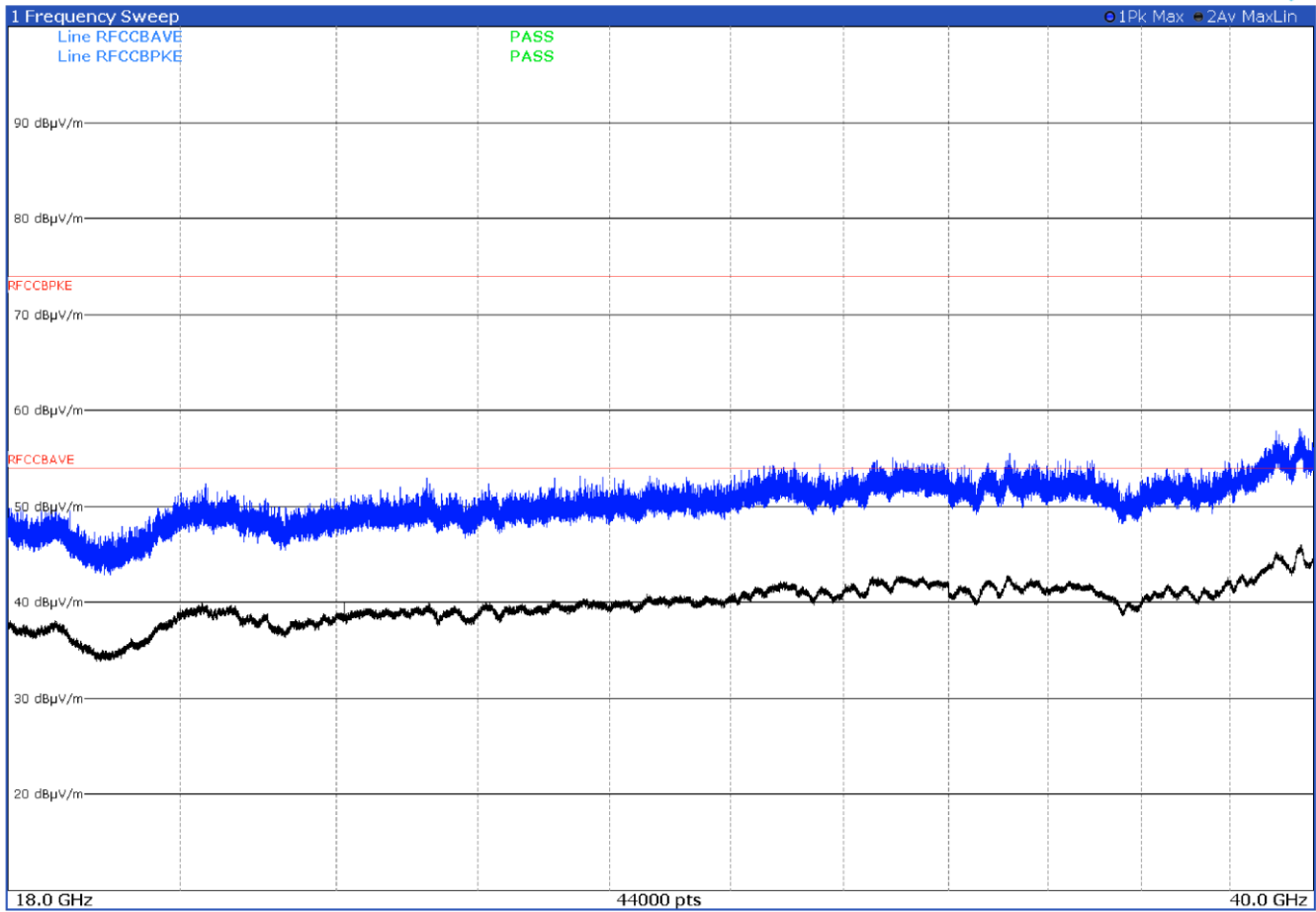
Antenna in horizontal polarization – No inter-modulation product founds
Limit exceeded by carrier – All the peak found are below the average limit



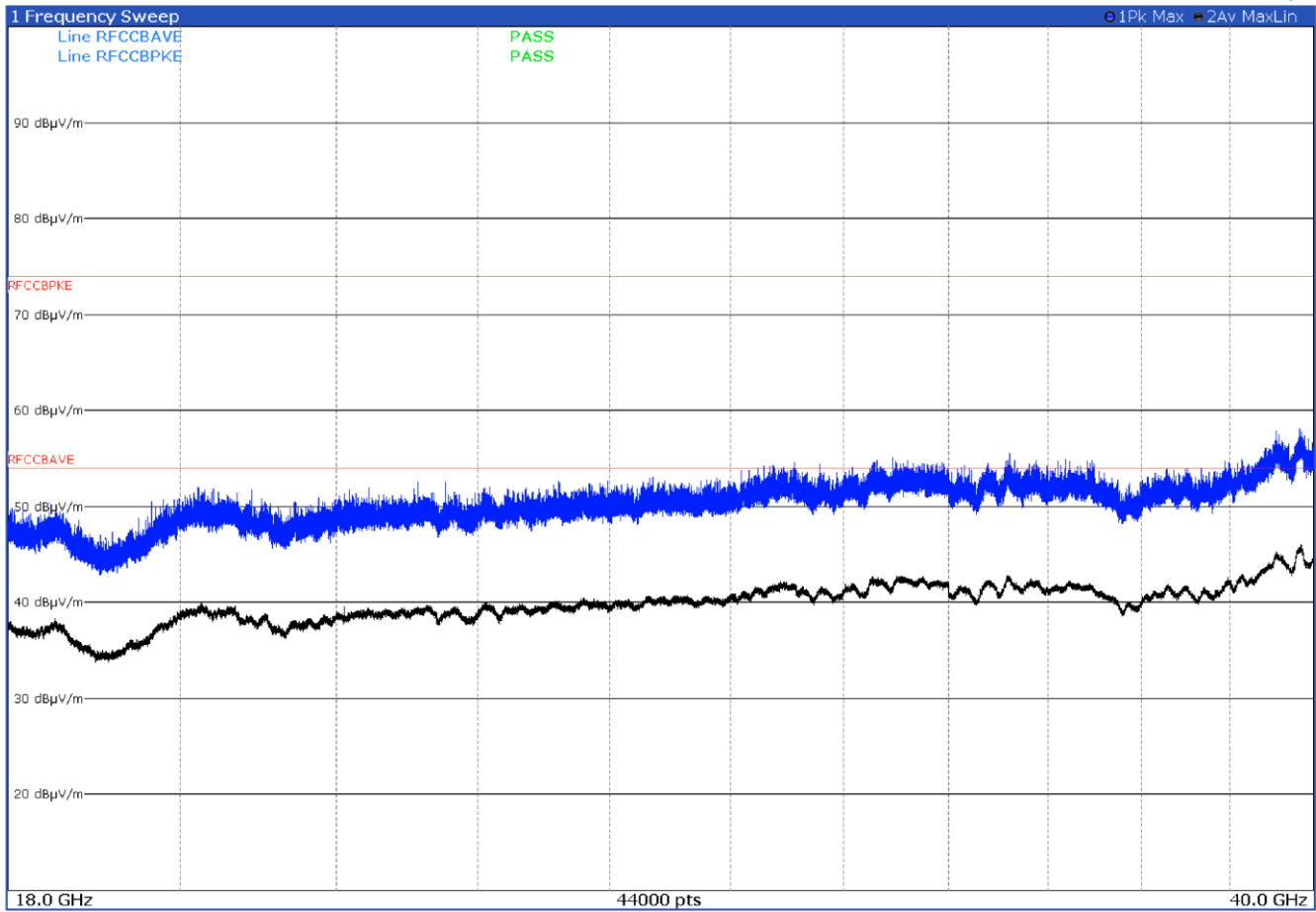
18:28:10 26.01.2022

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Antenna in vertical polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit

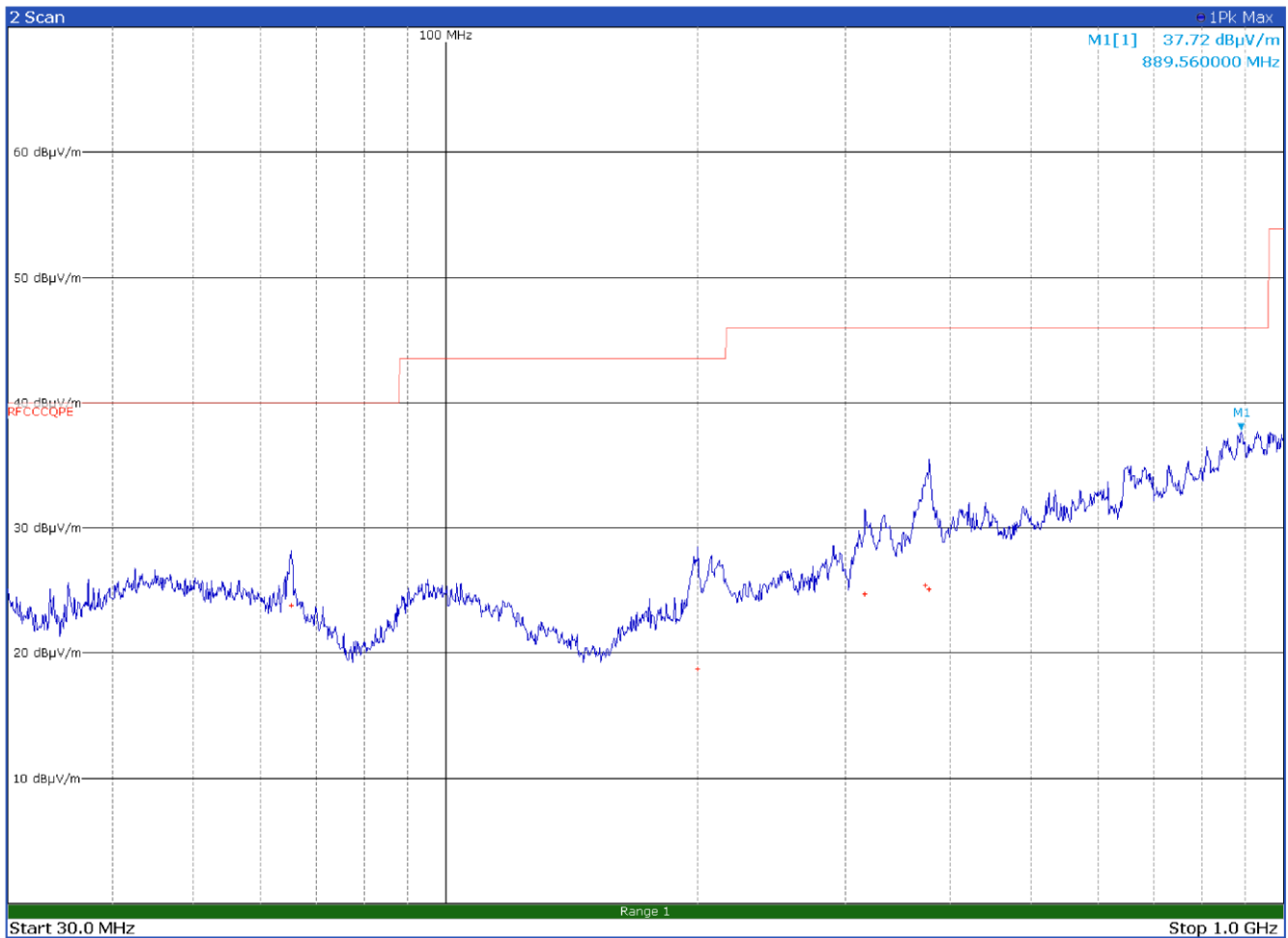


Antenna in horizontal polarization – No inter-modulation product founds



Antenna in vertical polarization – No inter-modulation product founds

8.1.17 Test data for ANTENNA SET B – WCDMA B4 at 1732.6 MHz and WIFI 802.11a at 5300 MHz

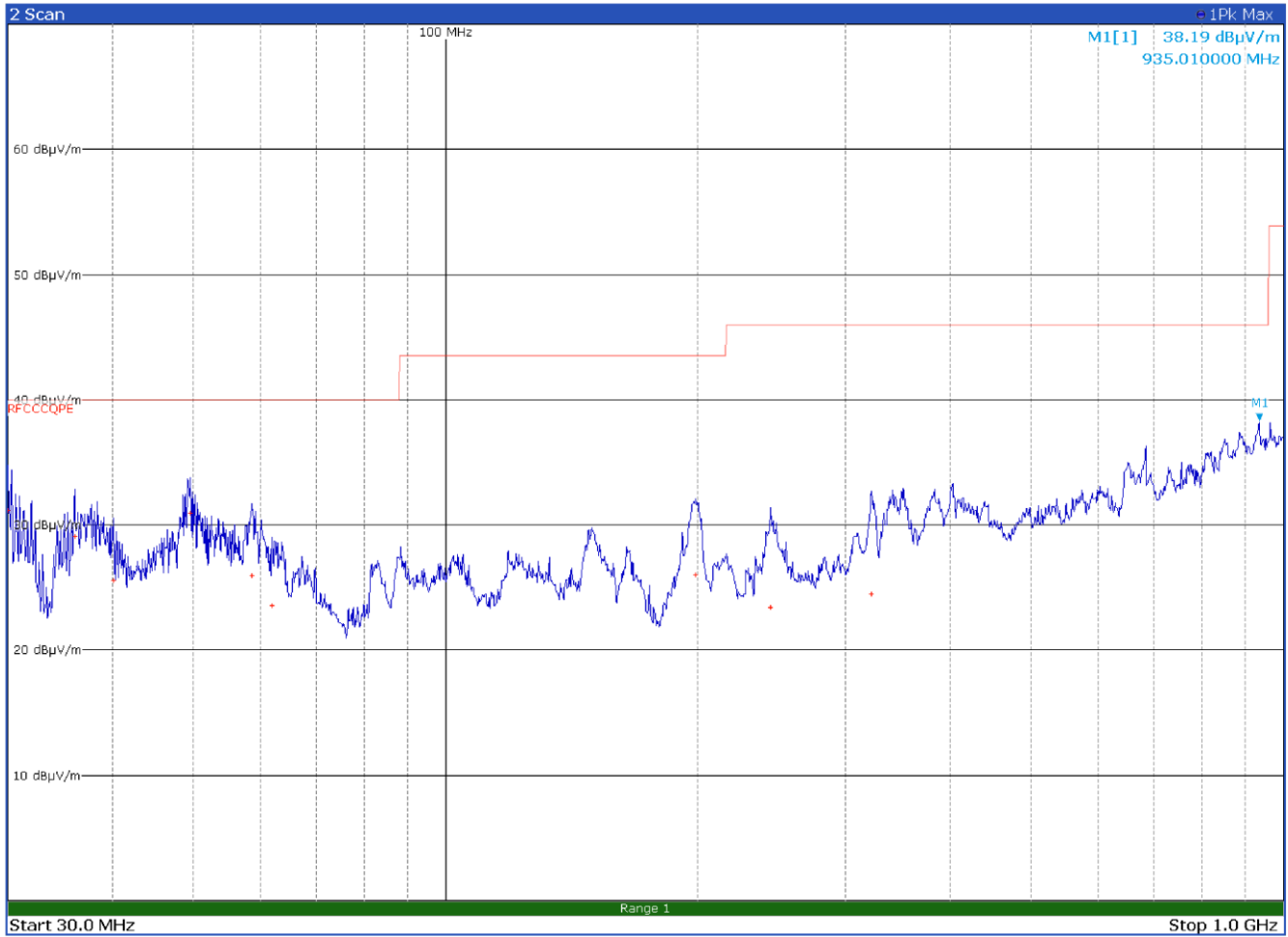


16:07:38 25.01.2022

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Antenna in horizontal polarization

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
65.3700	23.8	40.0	-16.2	QP
199.7700	18.7	43.5	-24.8	QP
316.5900	24.8	46.0	-21.2	QP
373.8000	25.5	46.0	-20.5	QP
377.2200	25.1	46.0	-20.9	QP

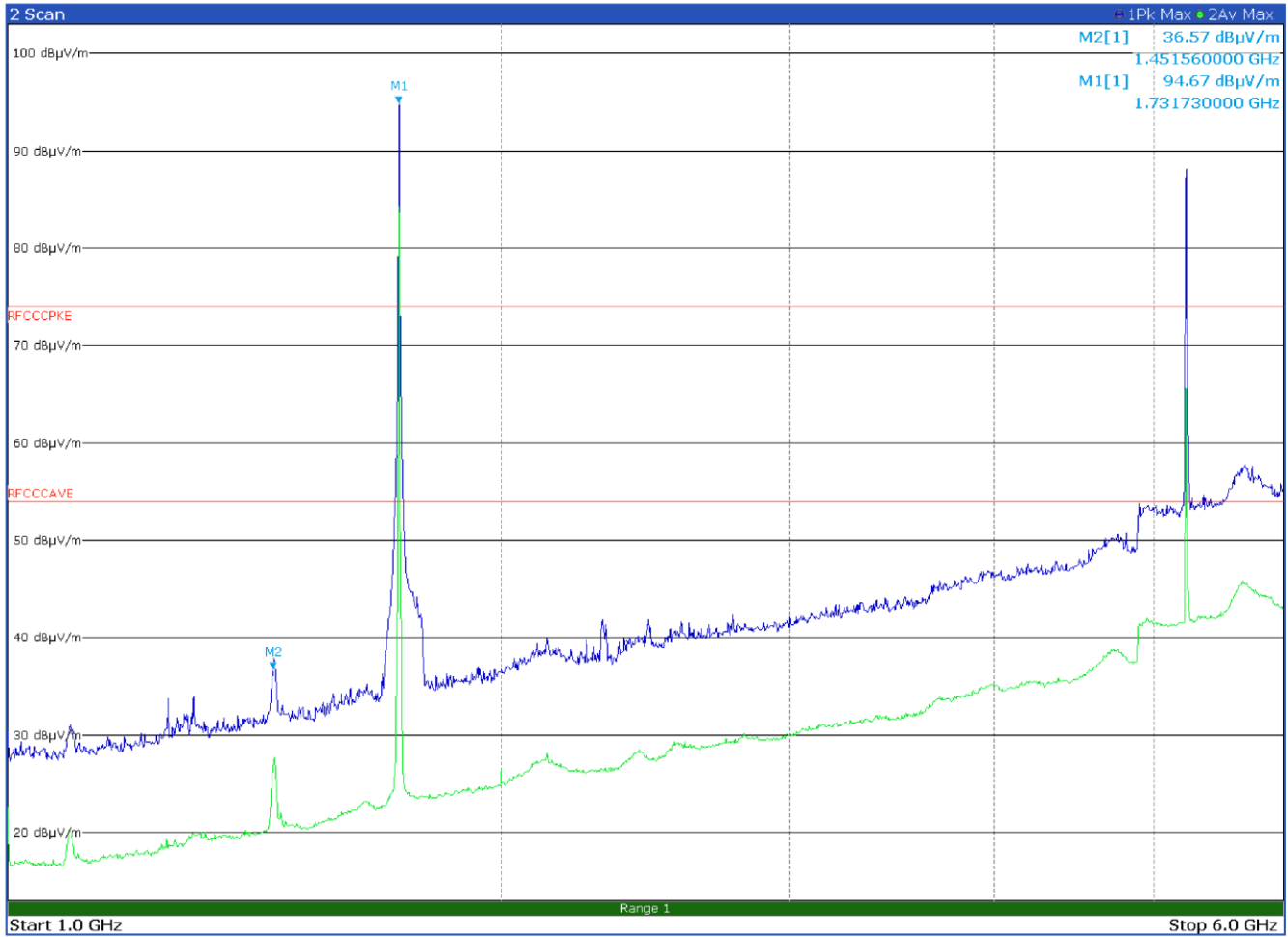


16:04:33 25.01.2022

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Antenna in vertical polarization

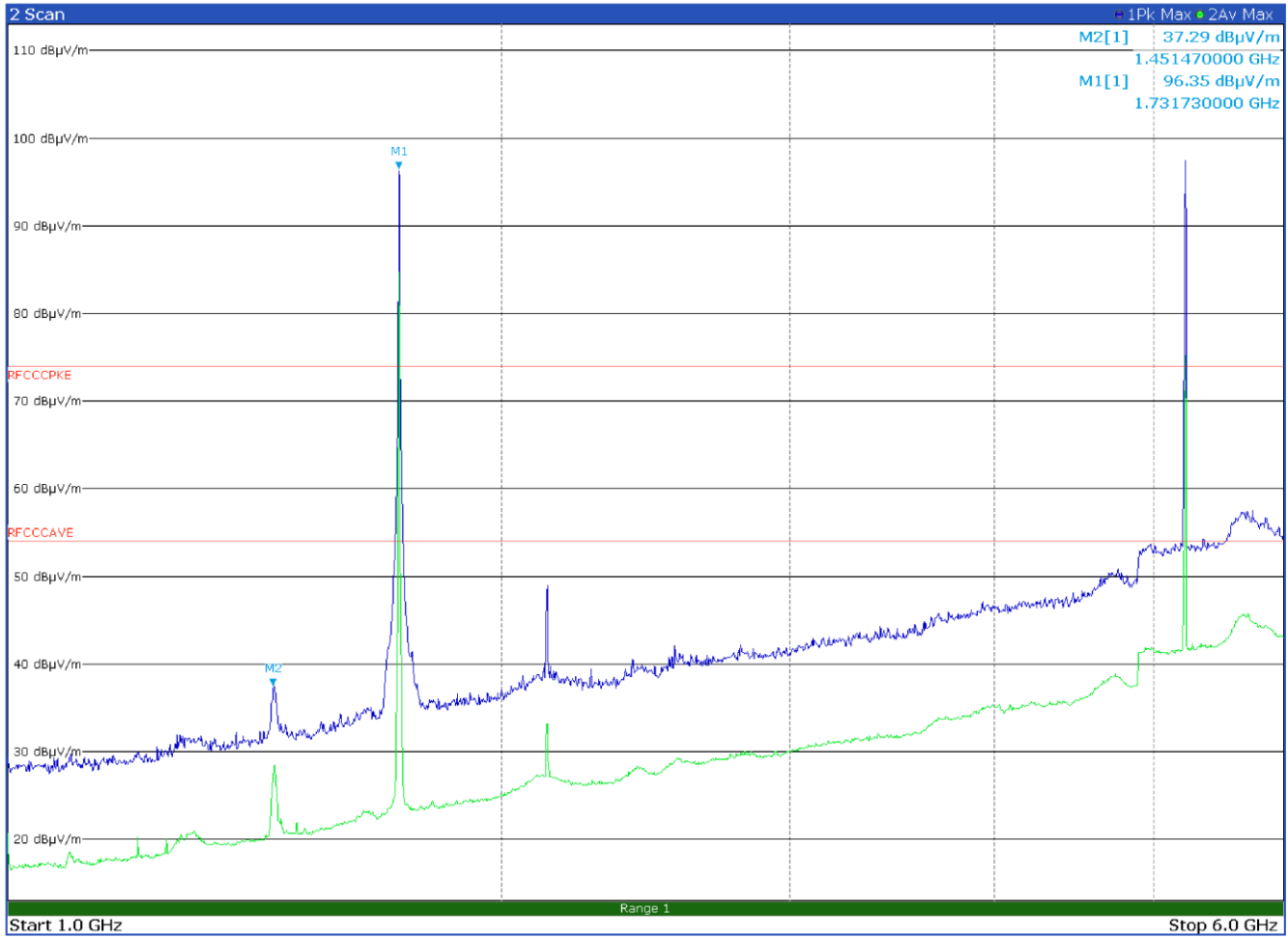
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
31.3500	32.4	40.0	-7.6	QP
36.7200	27.9	40.0	-12.1	QP
30.0000	31.2	40.0	-8.8	QP
36.0600	29.1	40.0	-10.9	QP
40.0800	25.6	40.0	-14.4	QP
49.5300	31.0	40.0	-9.0	QP
58.6500	26.0	40.0	-14.0	QP
61.9800	23.6	40.0	-16.4	QP
198.7200	26.1	43.5	-17.4	QP
244.0800	23.5	46.0	-22.5	QP
322.2600	24.6	46.0	-21.4	QP



17:22:30 26.01.2022

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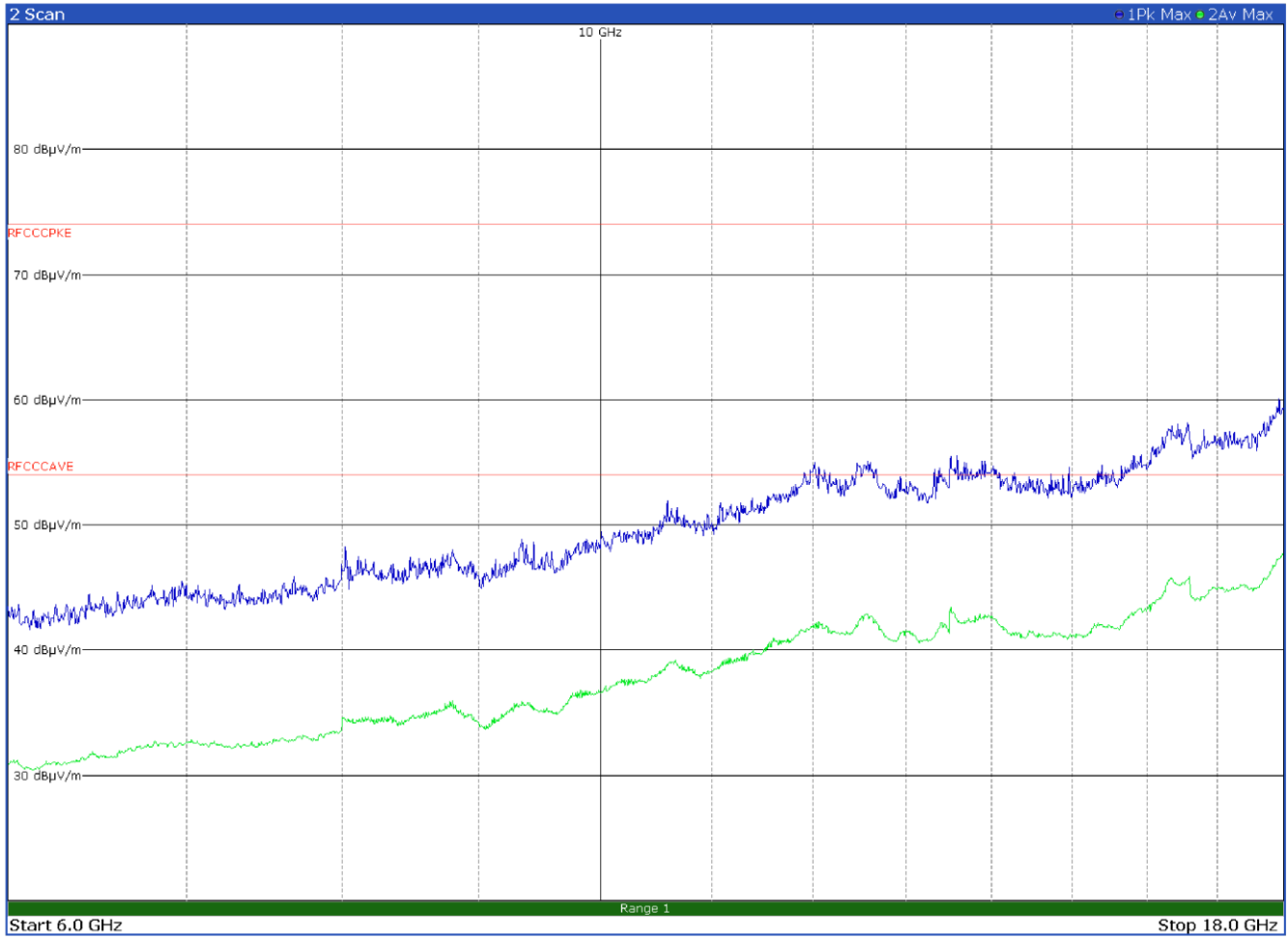
Antenna in horizontal polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



17:18:44 26.01.2022

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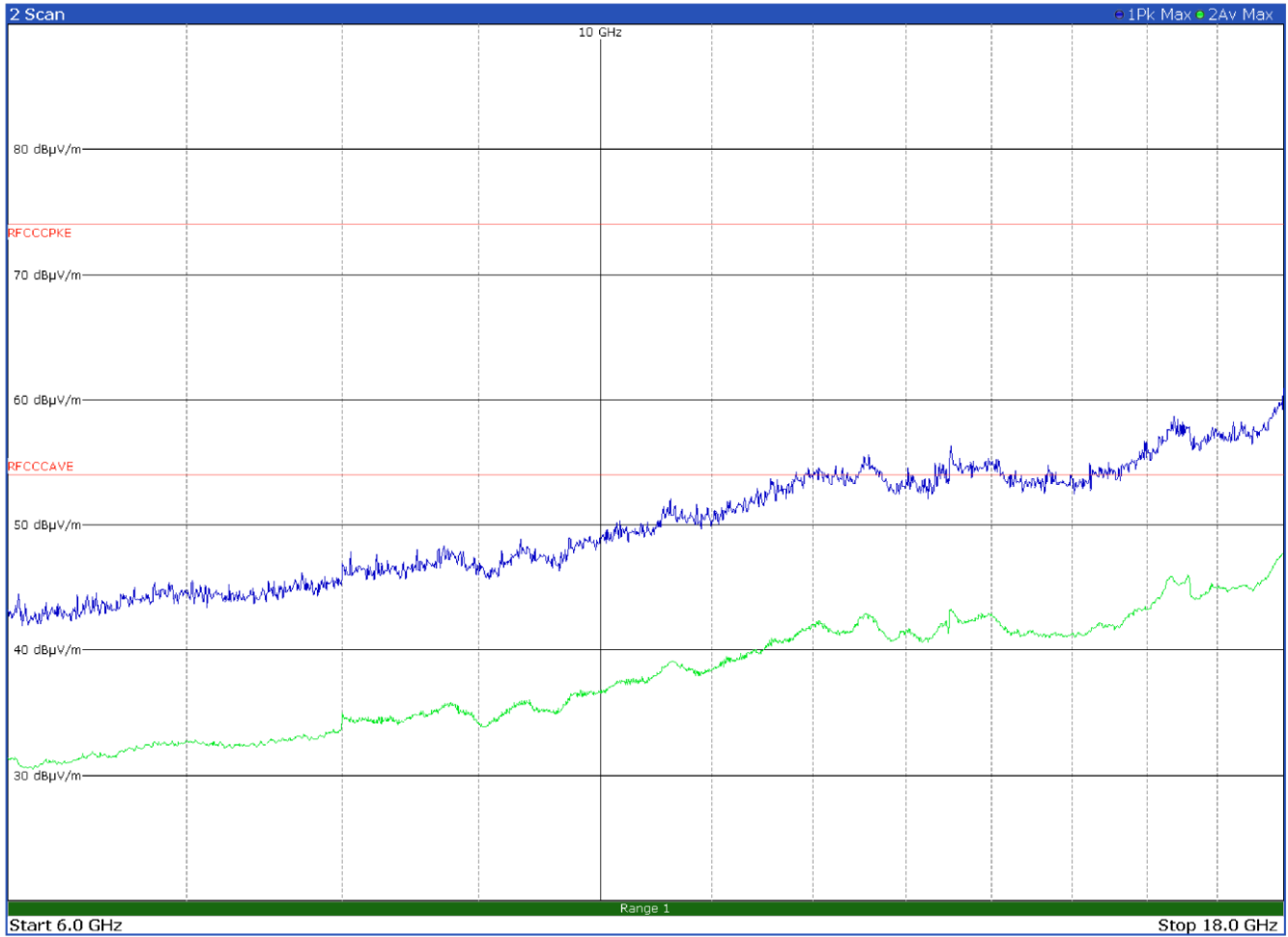
Antenna in vertical polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



18:10:25 26.01.2022

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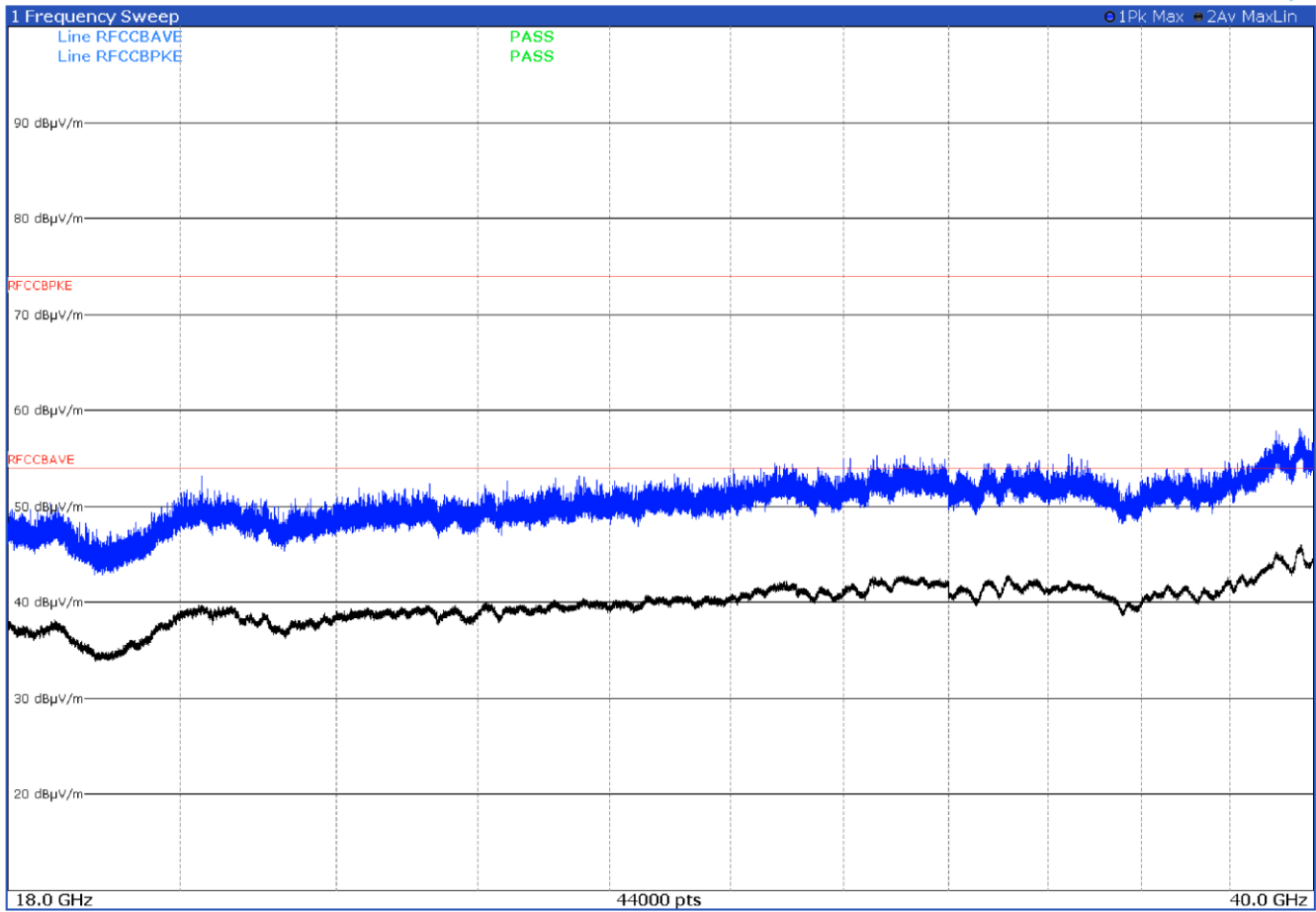
Antenna in horizontal polarization – No inter-modulation product founds



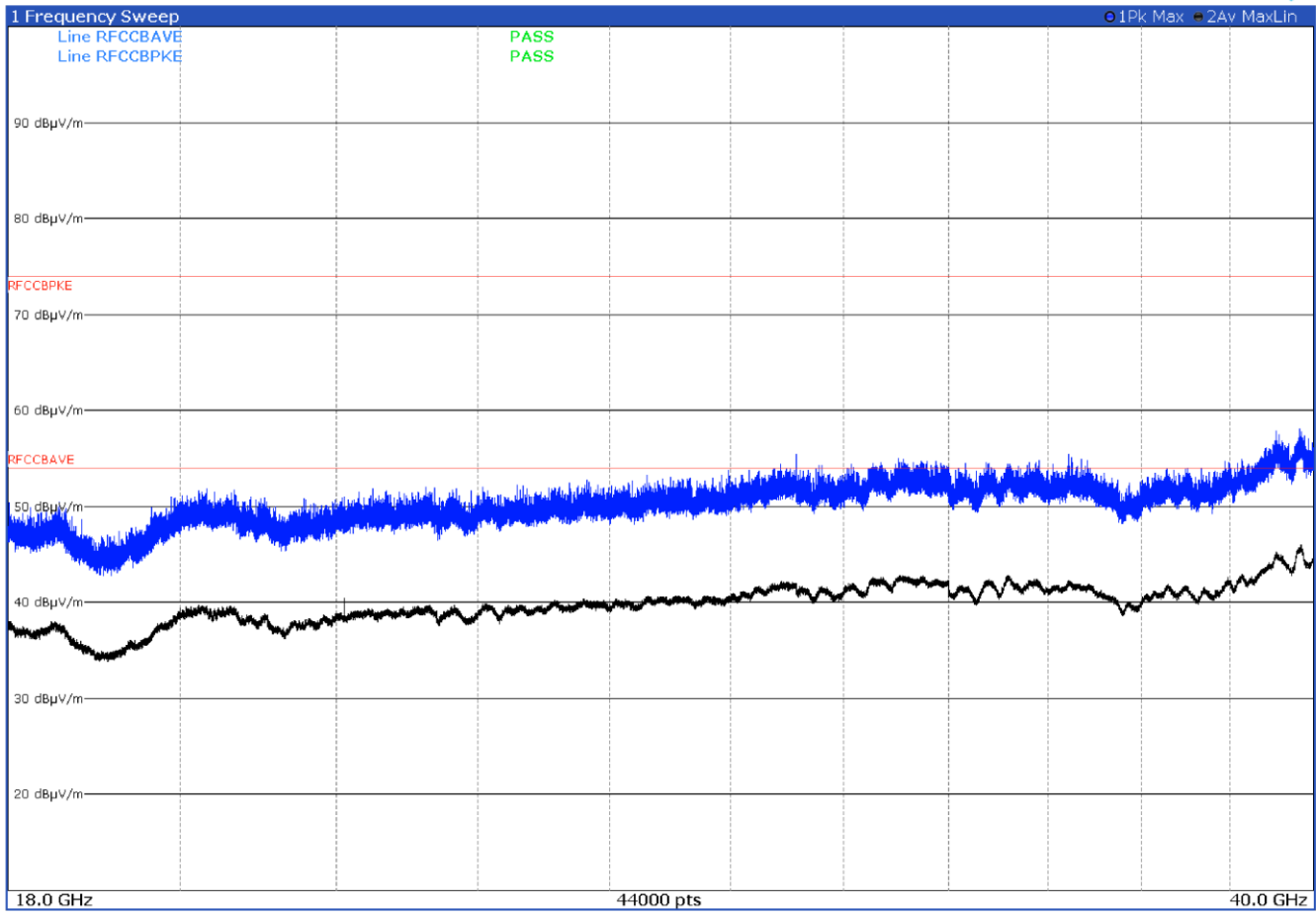
18:11:19 26.01.2022

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Antenna in vertical polarization – No inter-modulation product founds

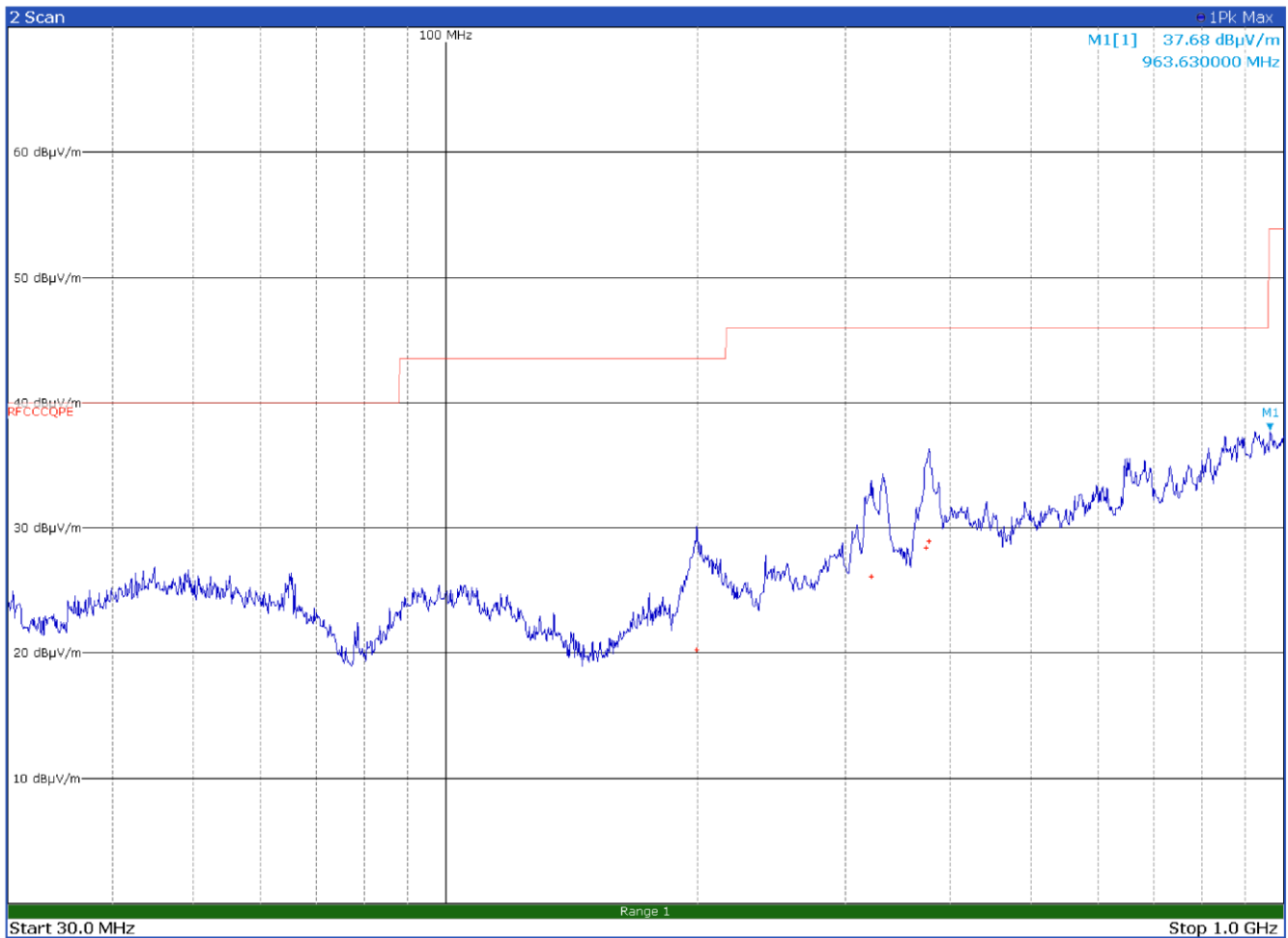


Antenna in horizontal polarization – No inter-modulation product founds



Antenna in vertical polarization – No inter-modulation product founds

8.1.18 Test data for ANTENNA SET B – LTE B41 at 2593 MHz and WIFI 802.11g at 2437 MHz

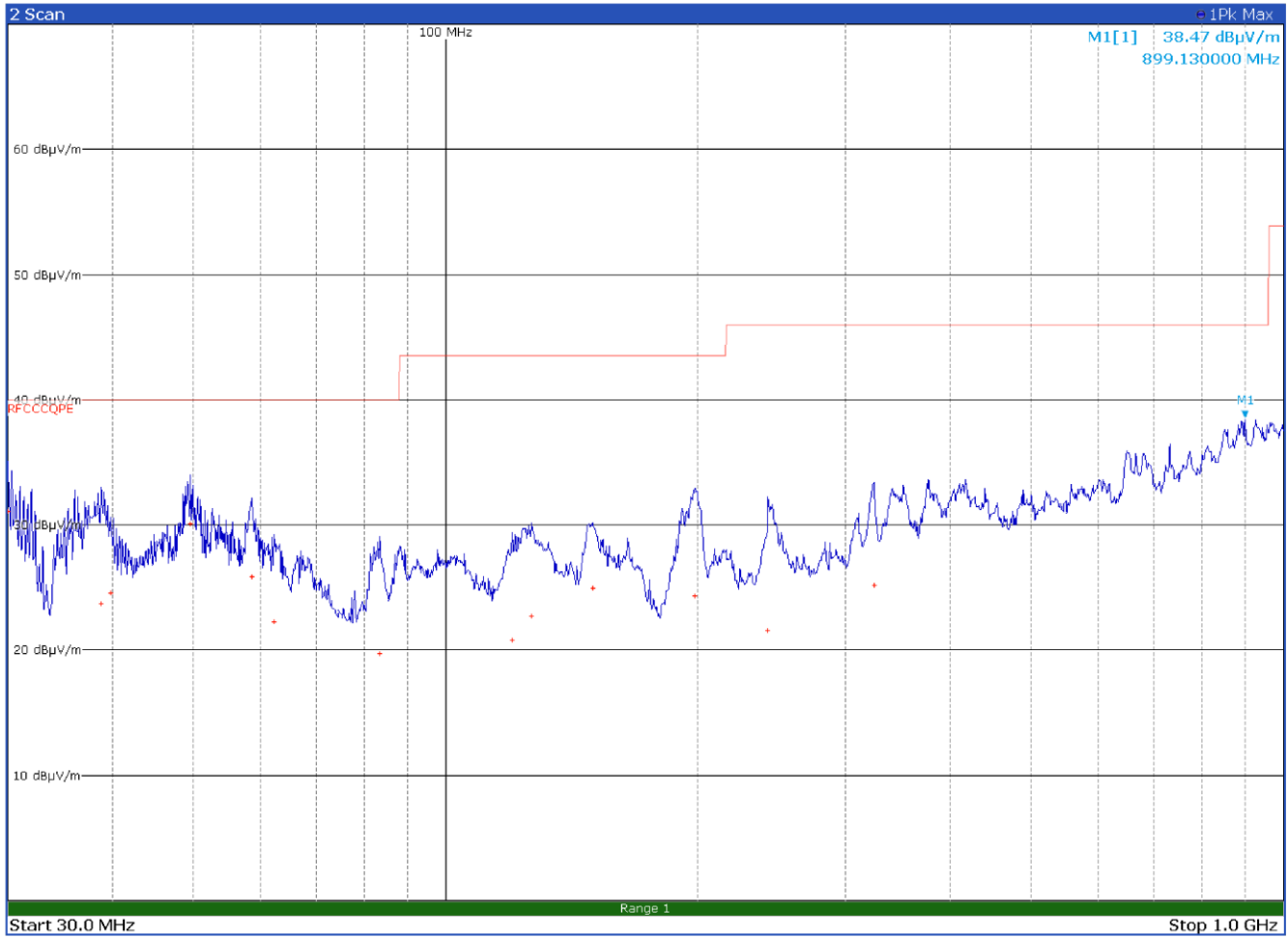


16:18:50 25.01.2022

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Antenna in horizontal polarization

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
199.3800	20.3	43.5	-23.2	QP
321.9000	26.1	46.0	-19.9	QP
374.0700	28.5	46.0	-17.5	QP
377.8800	29.0	46.0	-17.0	QP

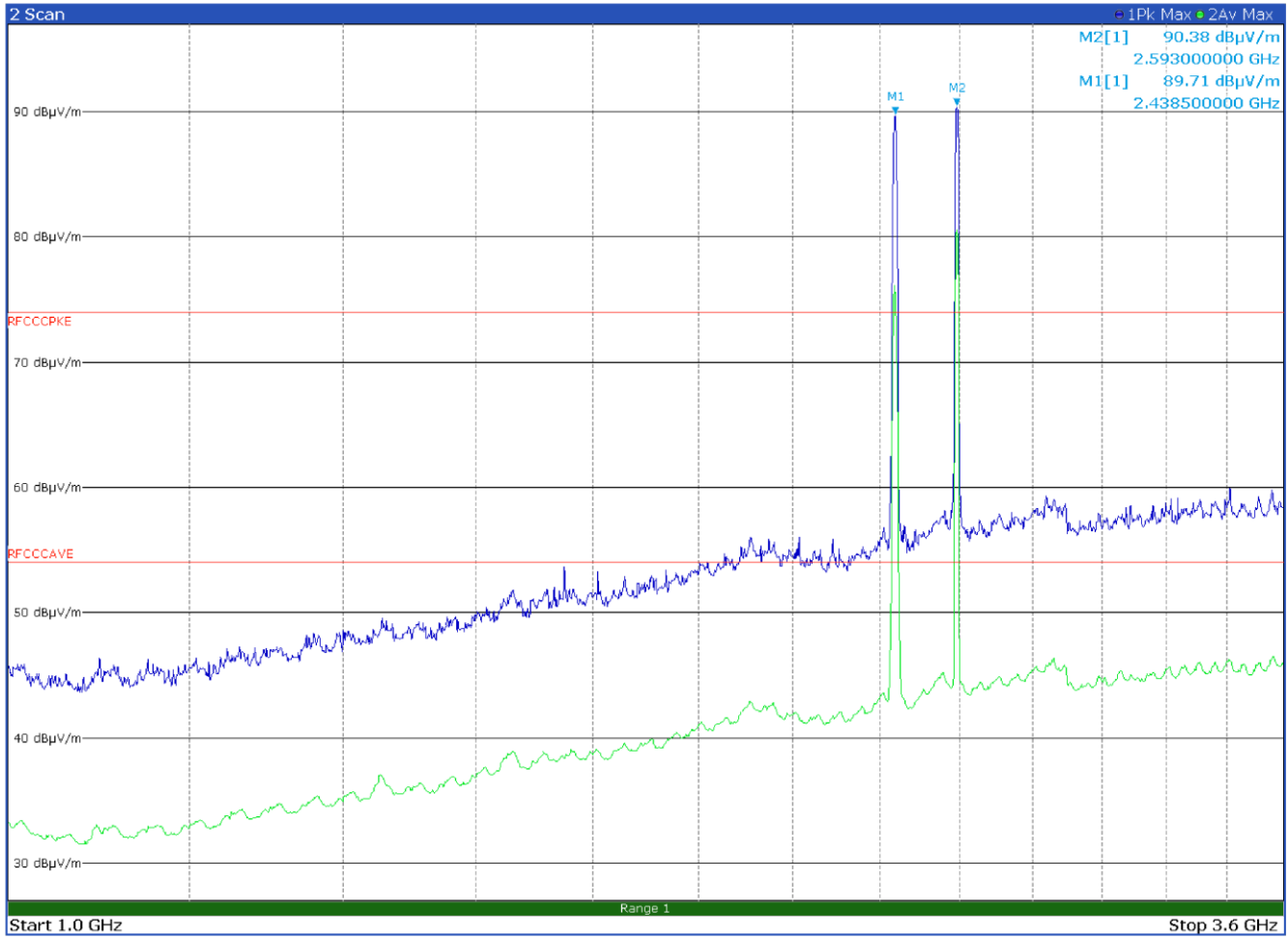


16:22:00 25.01.2022

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Antenna in vertical polarization

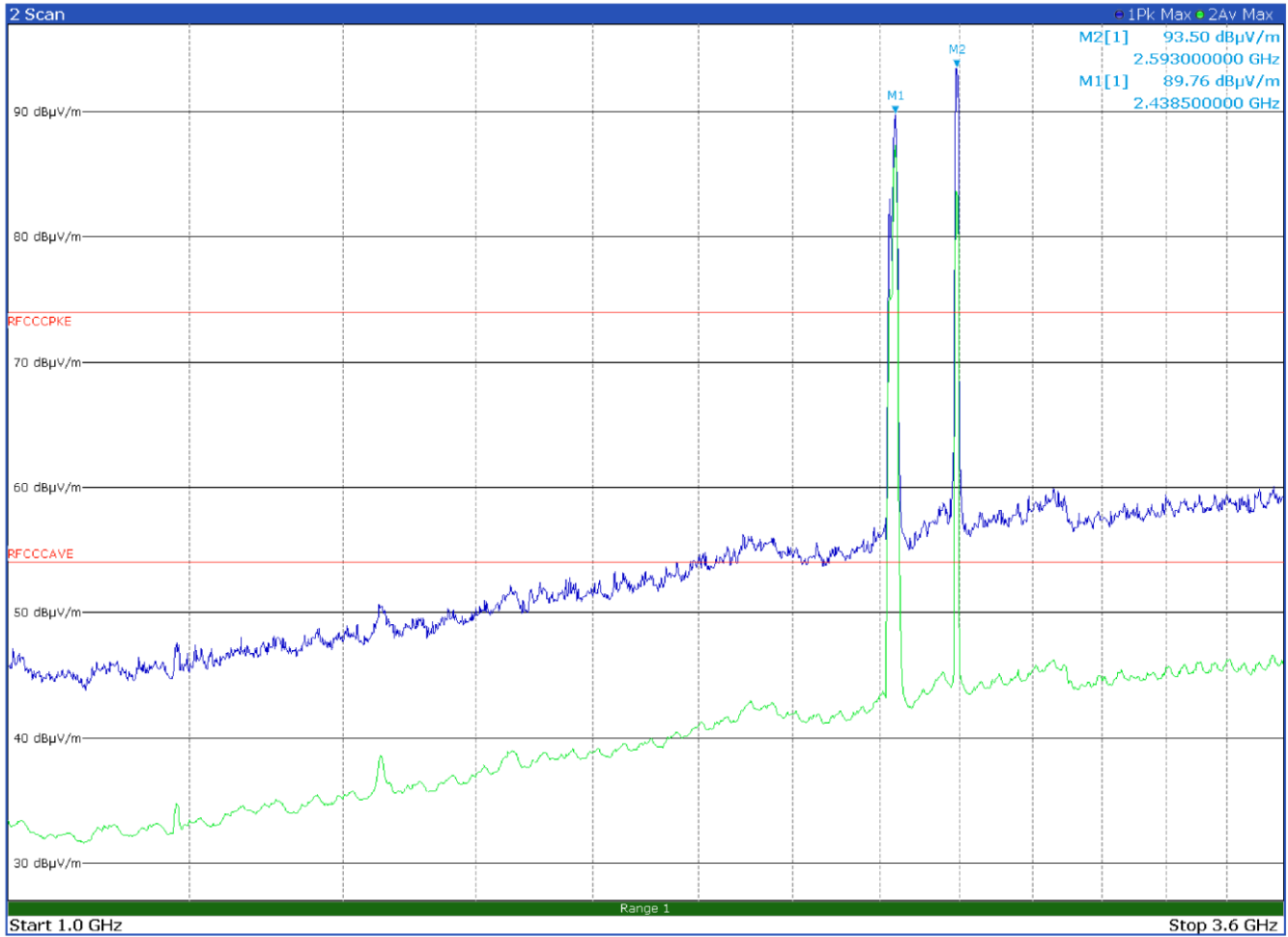
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
30.0000	31.2	40.0	-8.8	QP
38.7900	23.7	40.0	-16.3	QP
39.7800	24.6	40.0	-15.4	QP
49.5300	30.1	40.0	-9.9	QP
58.6500	25.9	40.0	-14.1	QP
62.3400	22.3	40.0	-17.7	QP
83.4300	19.7	40.0	-20.3	QP
120.0300	20.8	43.5	-22.7	QP
126.4800	22.7	43.5	-20.8	QP
149.6700	25.0	43.5	-18.5	QP
198.4200	24.4	43.5	-19.1	QP
242.3700	21.6	46.0	-24.4	QP
324.5700	25.2	46.0	-20.8	QP



16:59:26 26.01.2022

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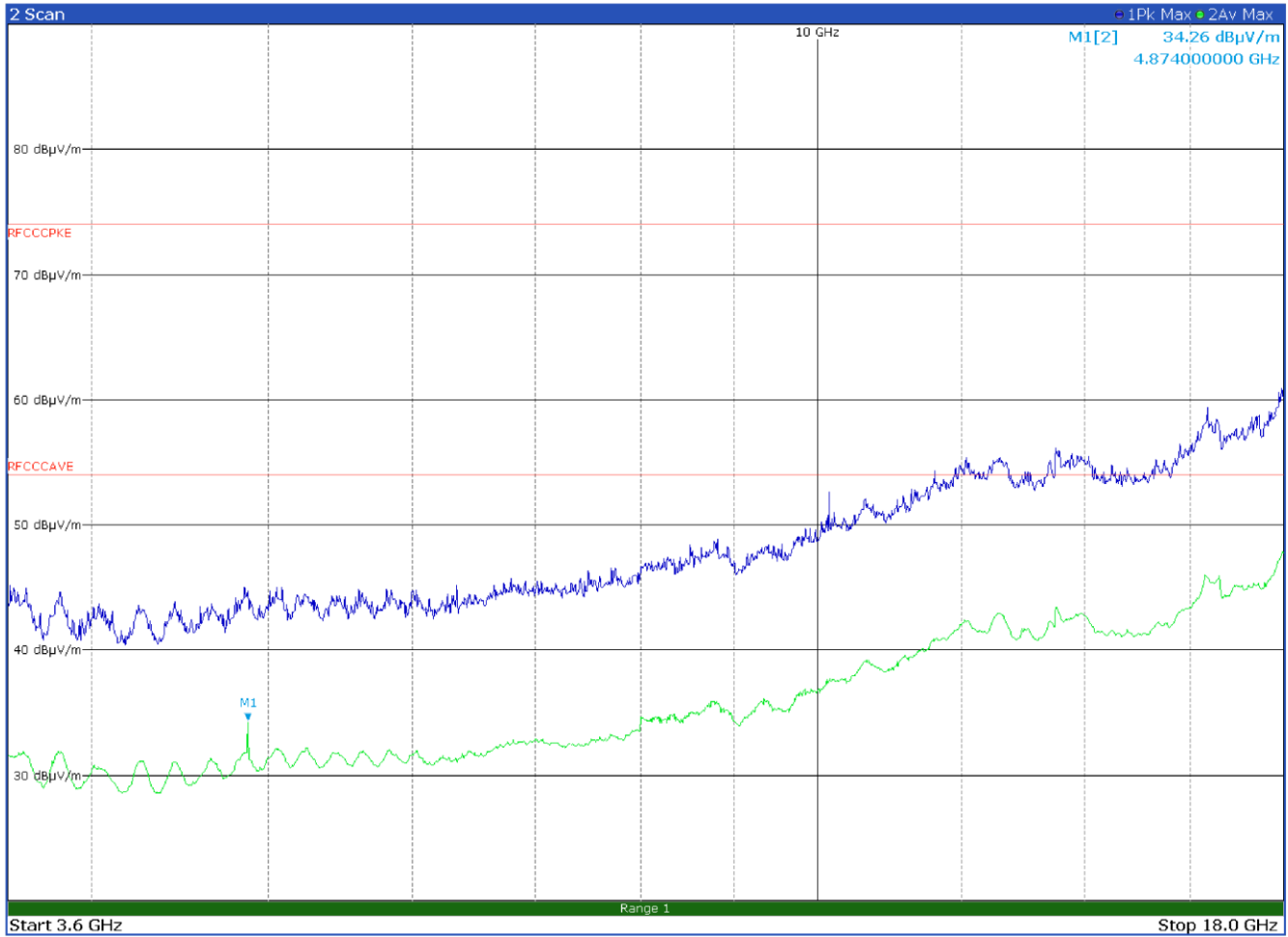
Antenna in horizontal polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



16:56:51 26.01.2022

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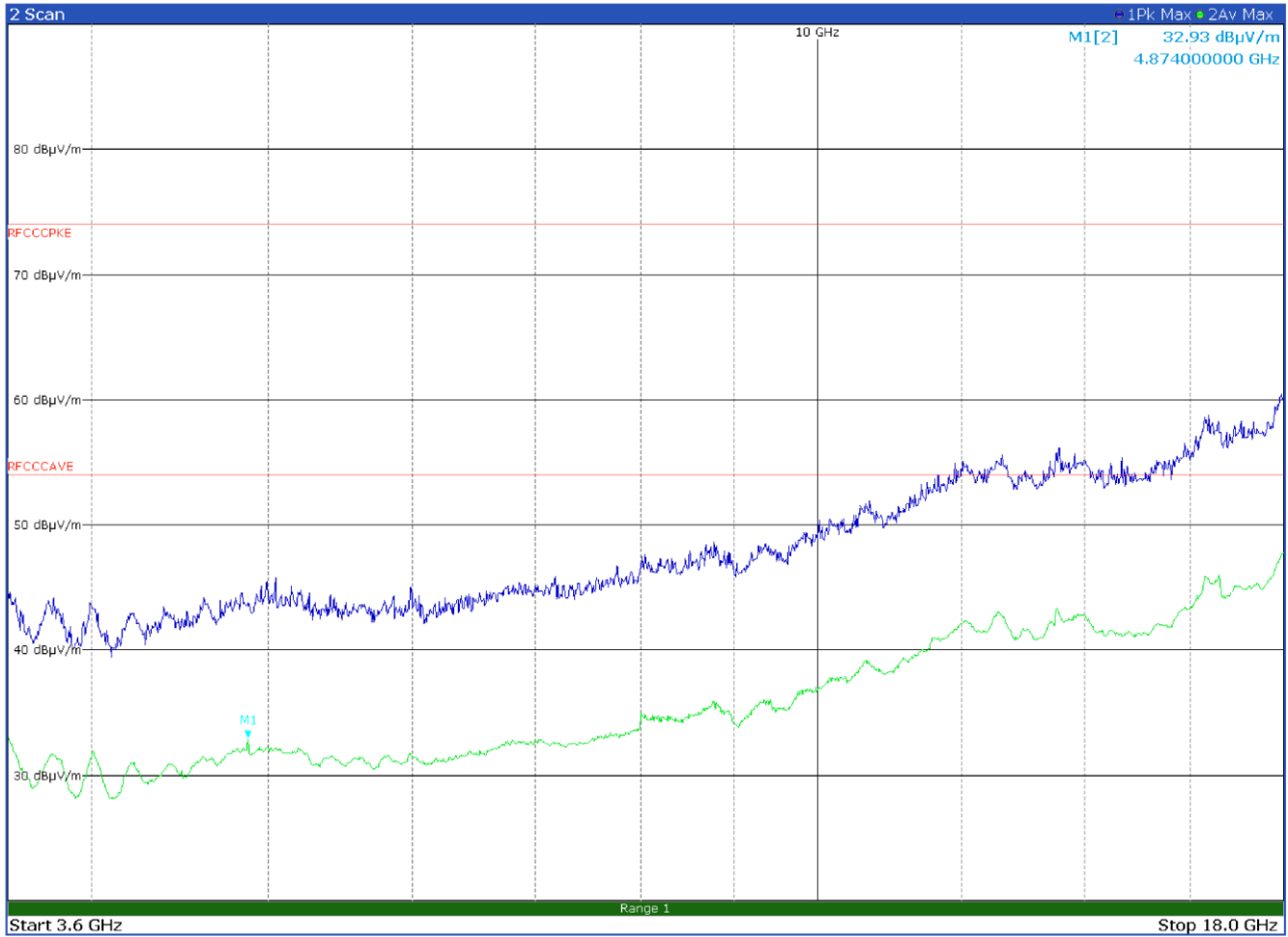
Antenna in vertical polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



18:23:58 26.01.2022

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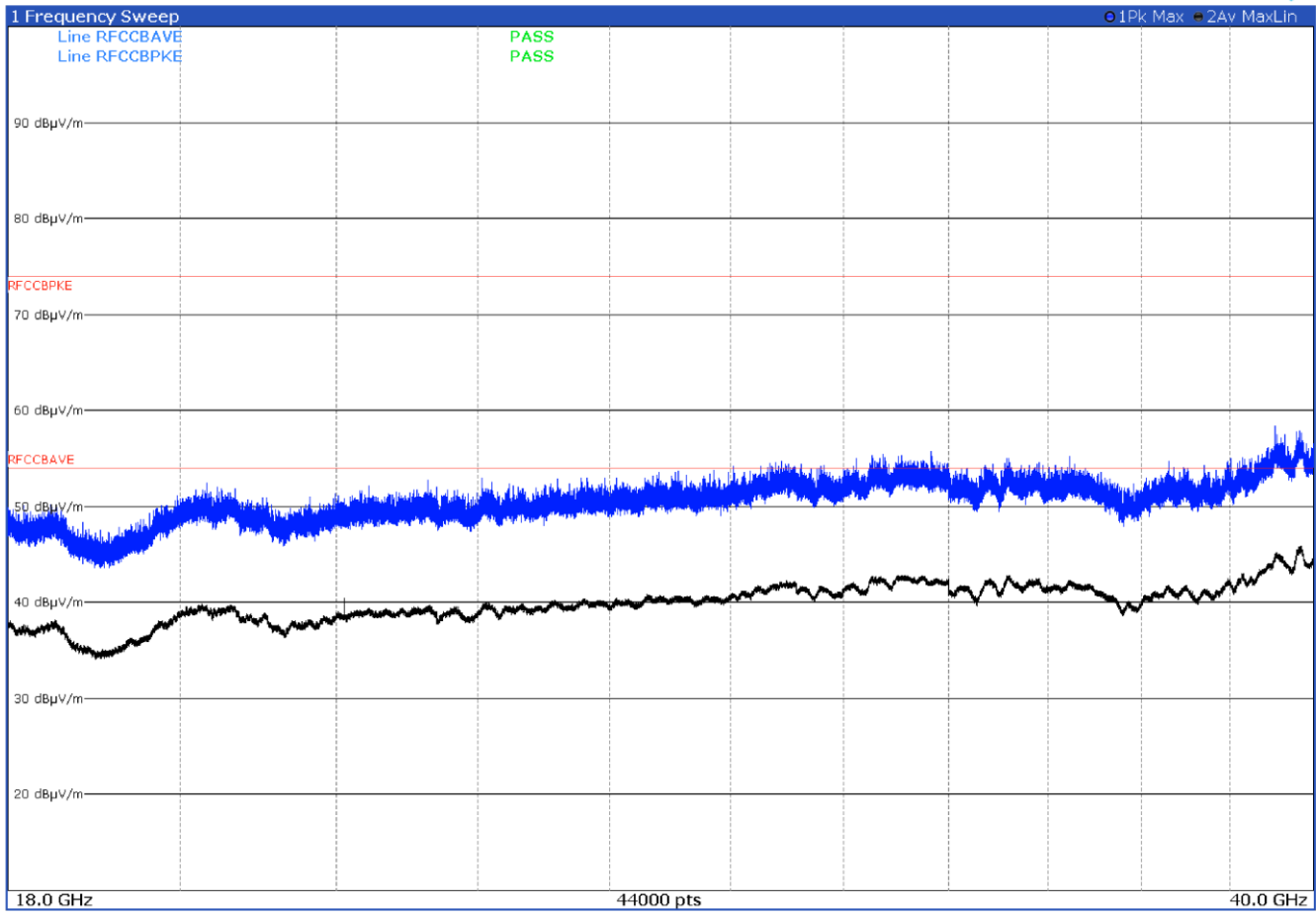
Antenna in horizontal polarization – No inter-modulation product founds
Limit exceeded by carrier – All the peak found are below the average limit



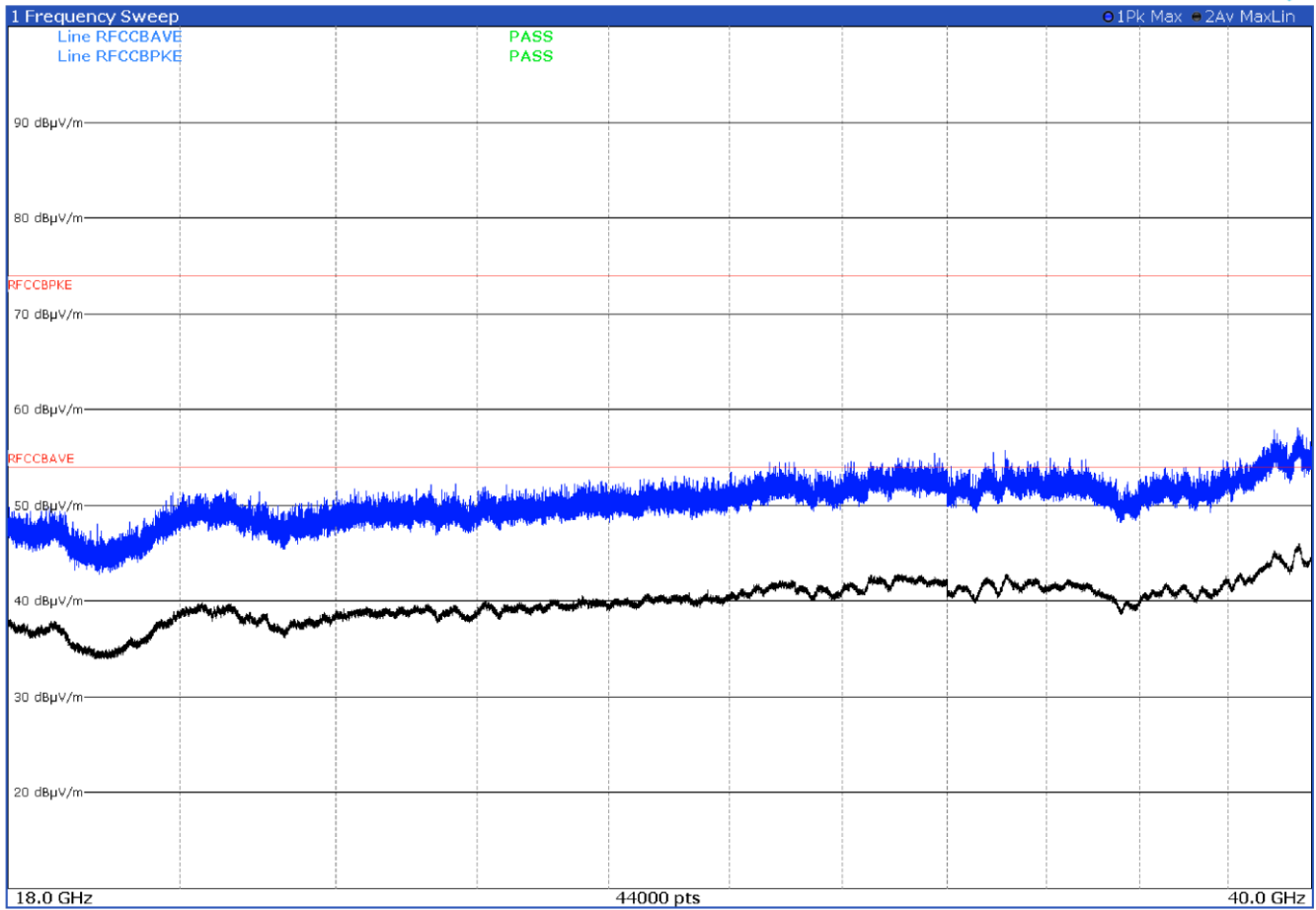
18:25:07 26.01.2022

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Antenna in vertical polarization – No inter-modulation product founds
Limit exceeded by carrier – All the peak found are below the average limit

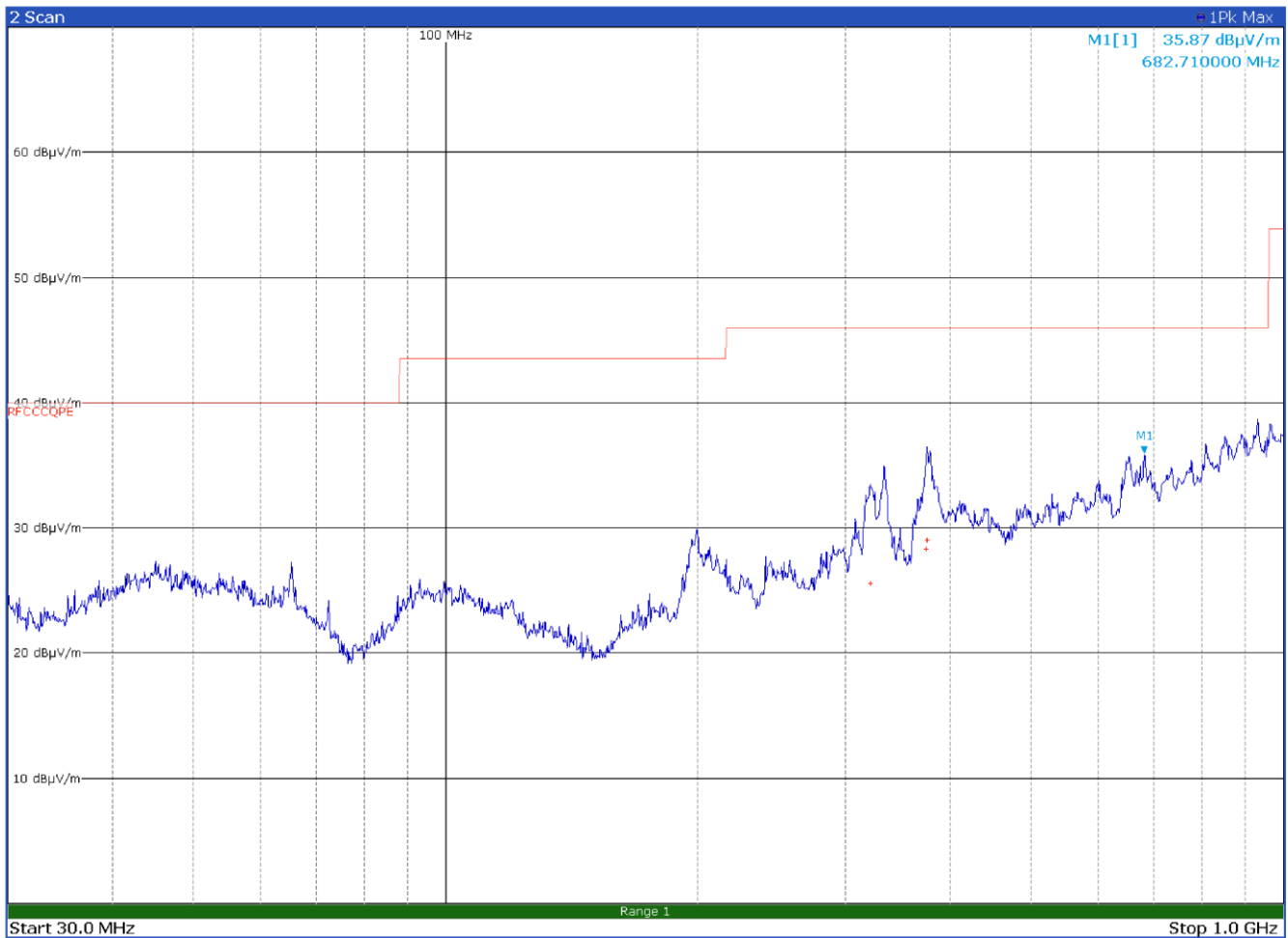


Antenna in horizontal polarization – No inter-modulation product founds



Antenna in vertical polarization – No inter-modulation product founds

8.1.19 Test data for ANTENNA SET B – LTE B41 at 2593 MHz and WIFI 802.11a at 5300 MHz

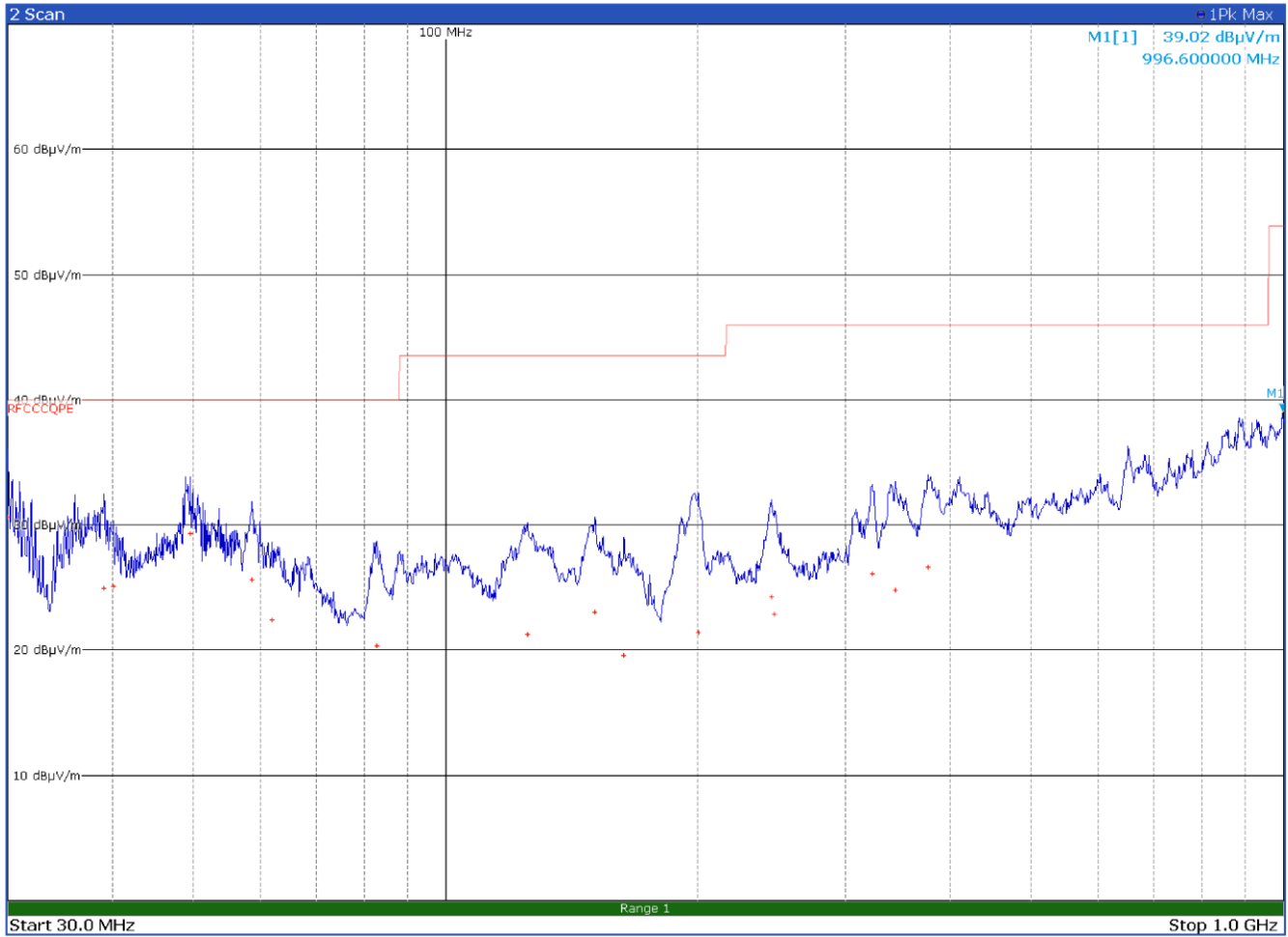


16:27:03 25.01.2022

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Antenna in horizontal polarization

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
321.0000	25.6	46.0	-20.4	QP
374.1000	28.4	46.0	-17.6	QP
375.4500	29.0	46.0	-17.0	QP

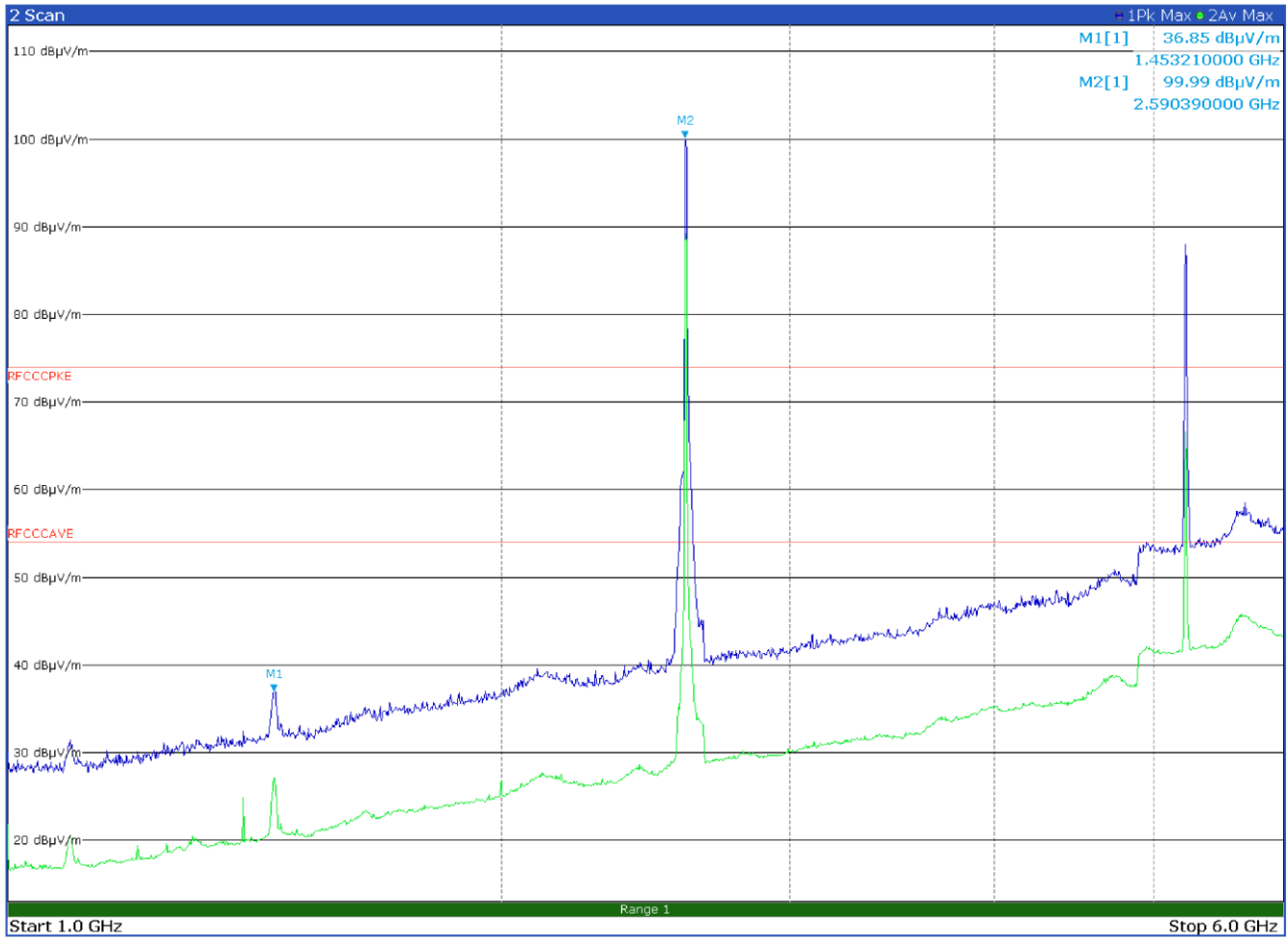


16:24:32 25.01.2022

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Antenna in vertical polarization

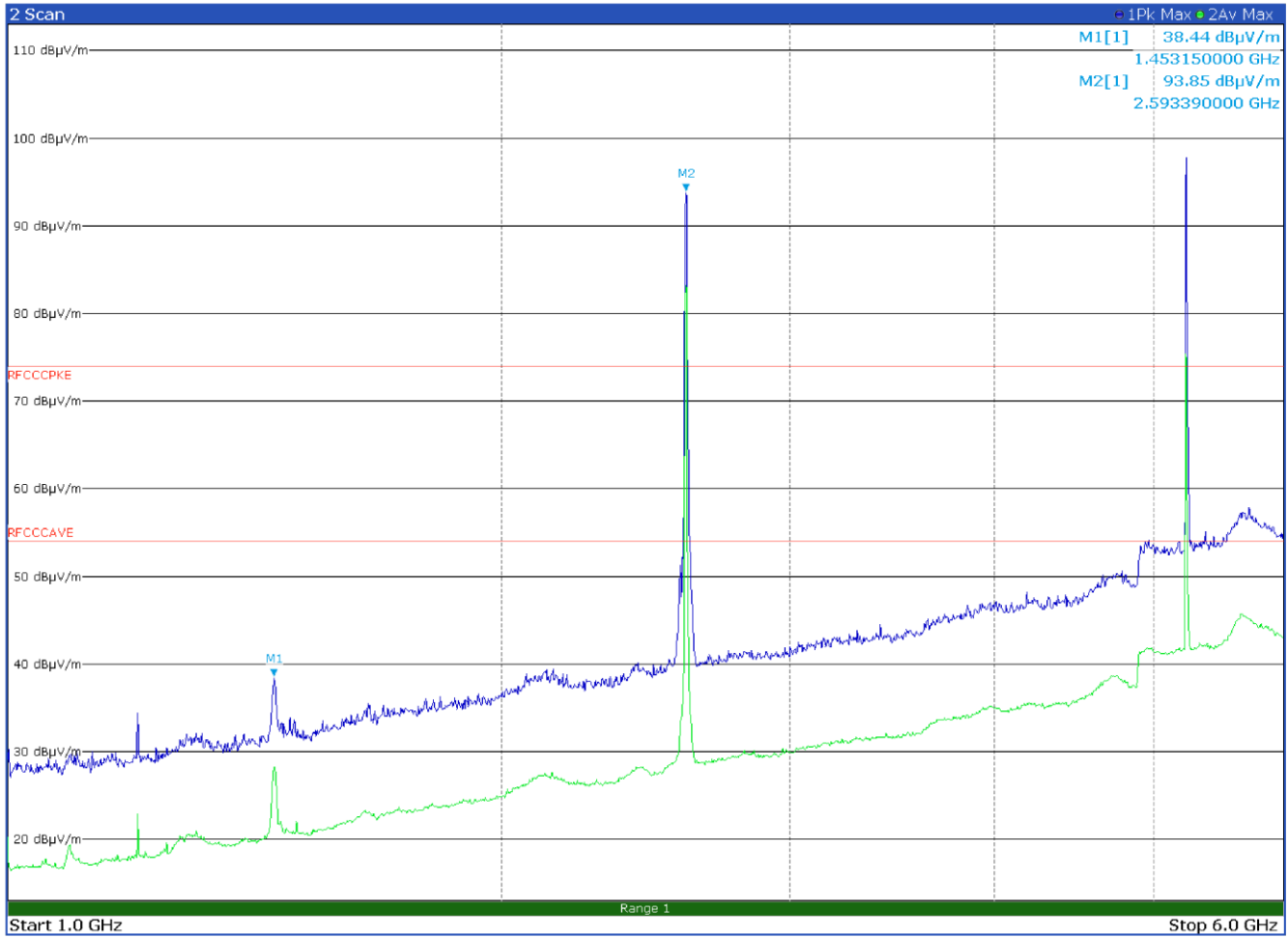
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
30.0000	30.6	40.0	-9.4	QP
39.0900	25.0	40.0	-15.0	QP
40.1100	25.1	40.0	-14.9	QP
49.5600	29.3	40.0	-10.7	QP
58.6500	25.6	40.0	-14.4	QP
62.0400	22.4	40.0	-17.6	QP
82.5900	20.4	40.0	-19.6	QP
125.1000	21.3	43.5	-22.2	QP
150.7200	23.0	43.5	-20.5	QP
163.1700	19.6	43.5	-23.9	QP
200.2200	21.5	43.5	-22.0	QP
244.7700	24.3	46.0	-21.7	QP
246.7800	22.9	46.0	-23.1	QP
322.9200	26.2	46.0	-19.8	QP
344.1300	24.8	46.0	-21.2	QP
376.6200	26.7	46.0	-19.3	QP



17:13:31 26.01.2022

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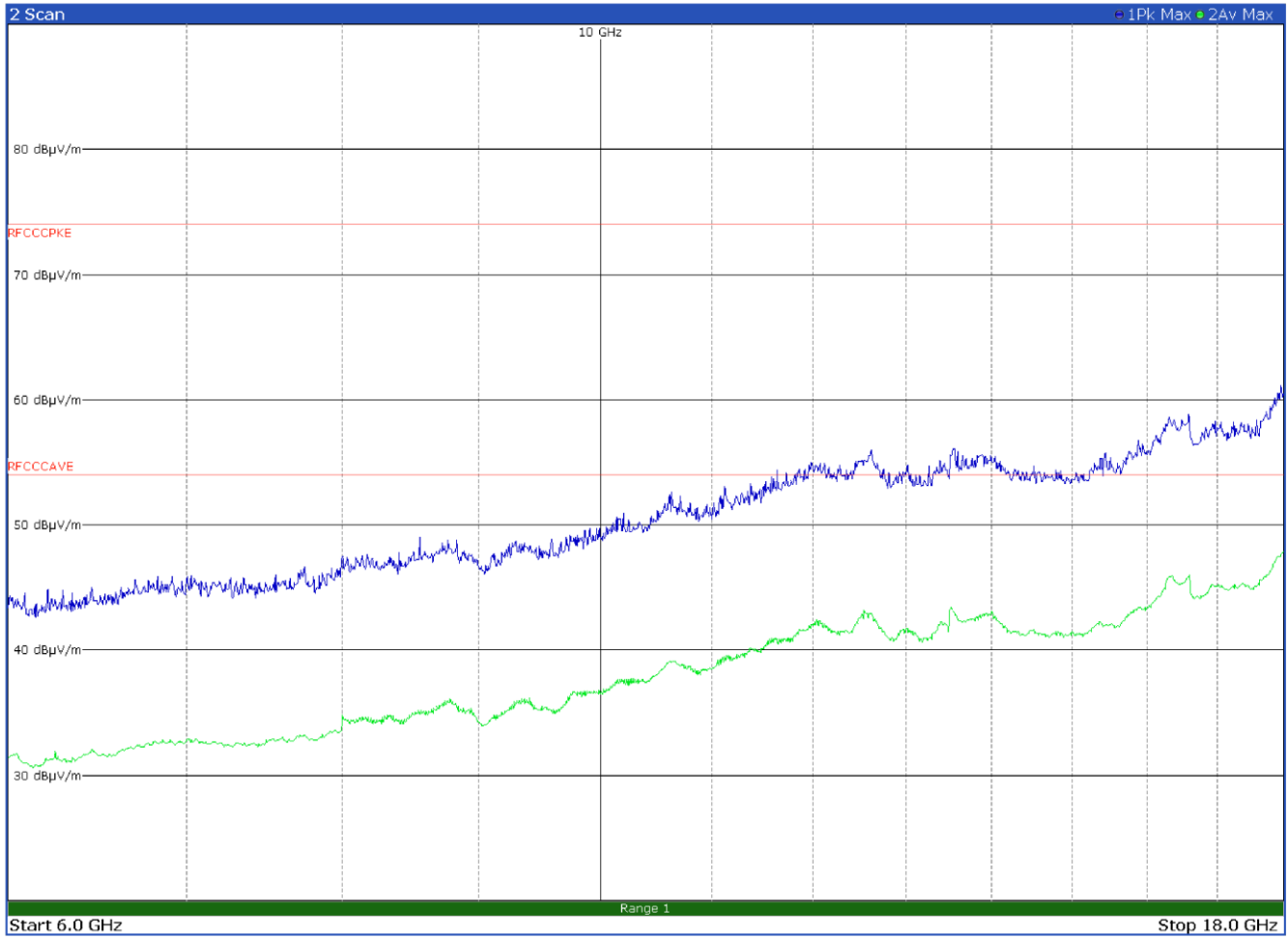
Antenna in horizontal polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



17:14:47 26.01.2022

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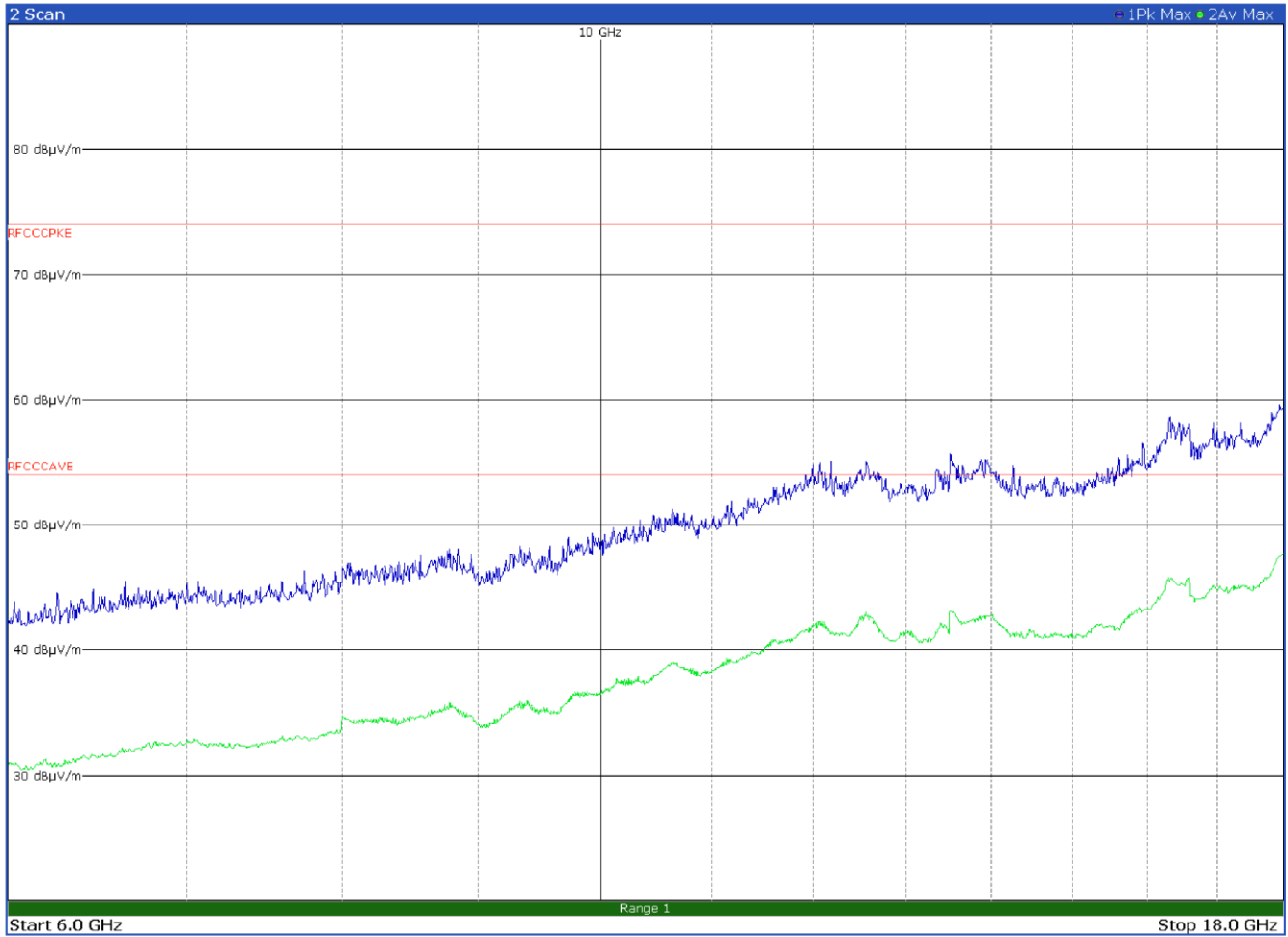
Antenna in vertical polarization – No inter-modulation product founds
 Limit exceeded by carrier – All the peak found are below the average limit



18:15:25 26.01.2022

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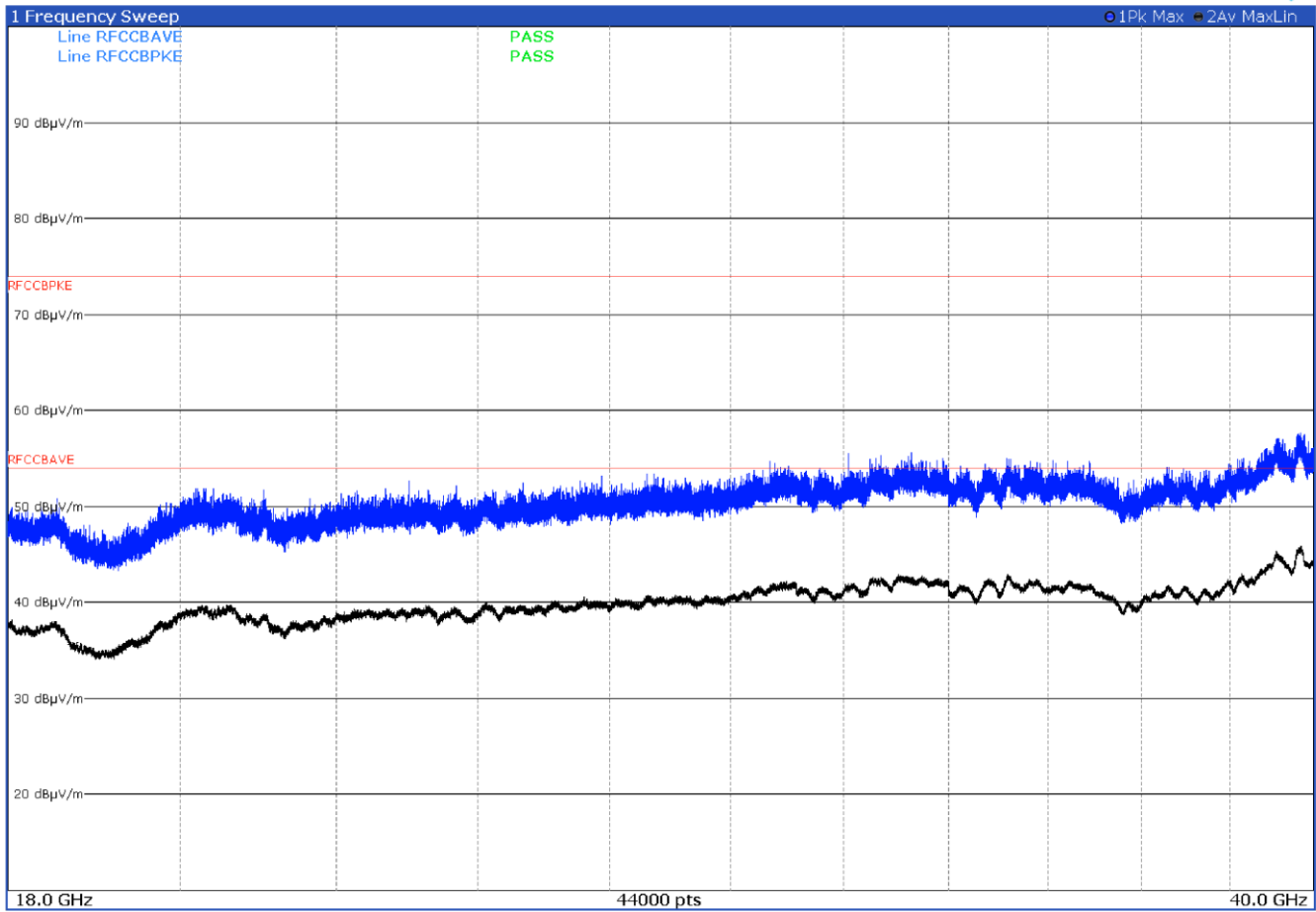
Antenna in horizontal polarization – No inter-modulation product founds



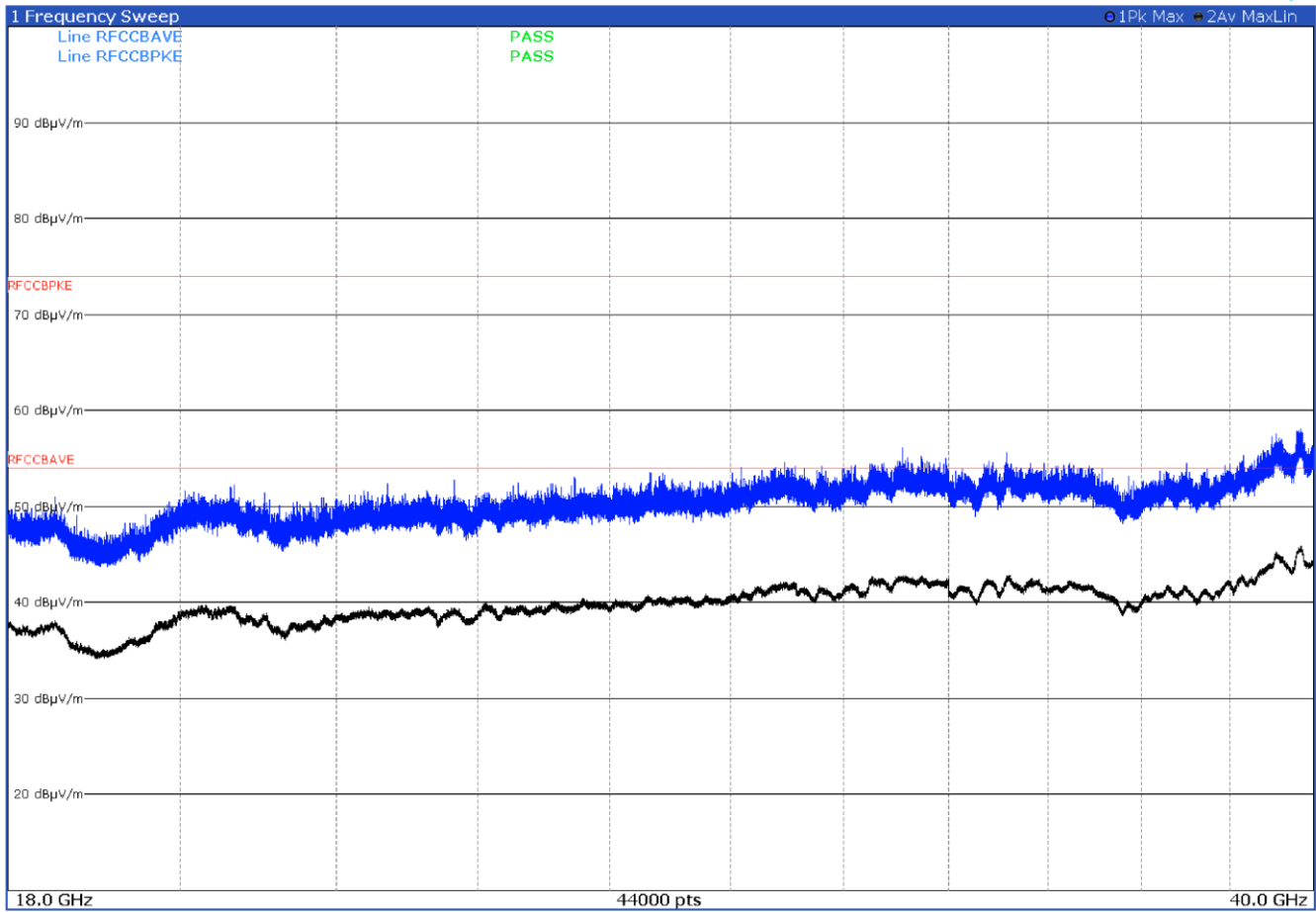
18:13:42 26.01.2022

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Antenna in vertical polarization – No inter-modulation product founds



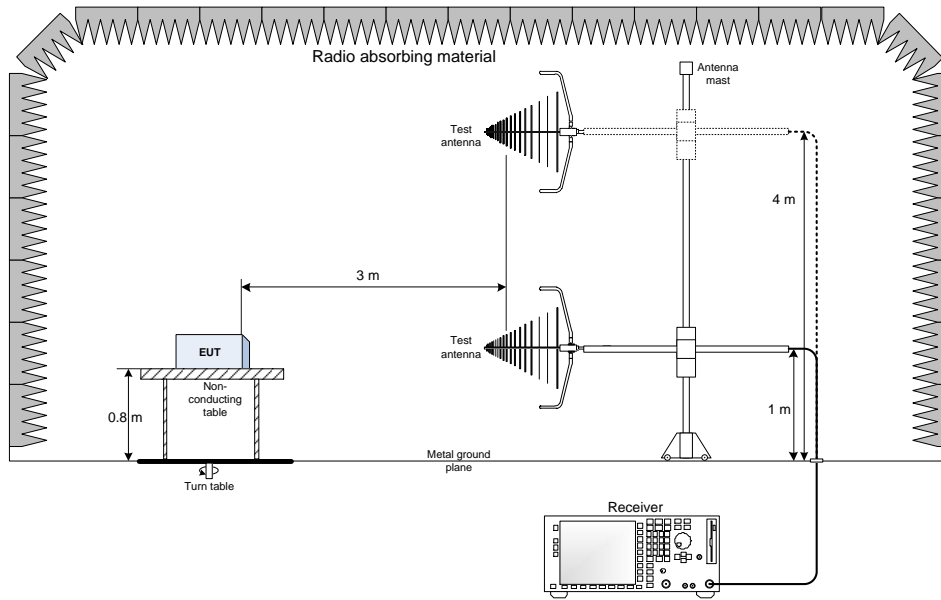
Antenna in horizontal polarization – No inter-modulation product founds



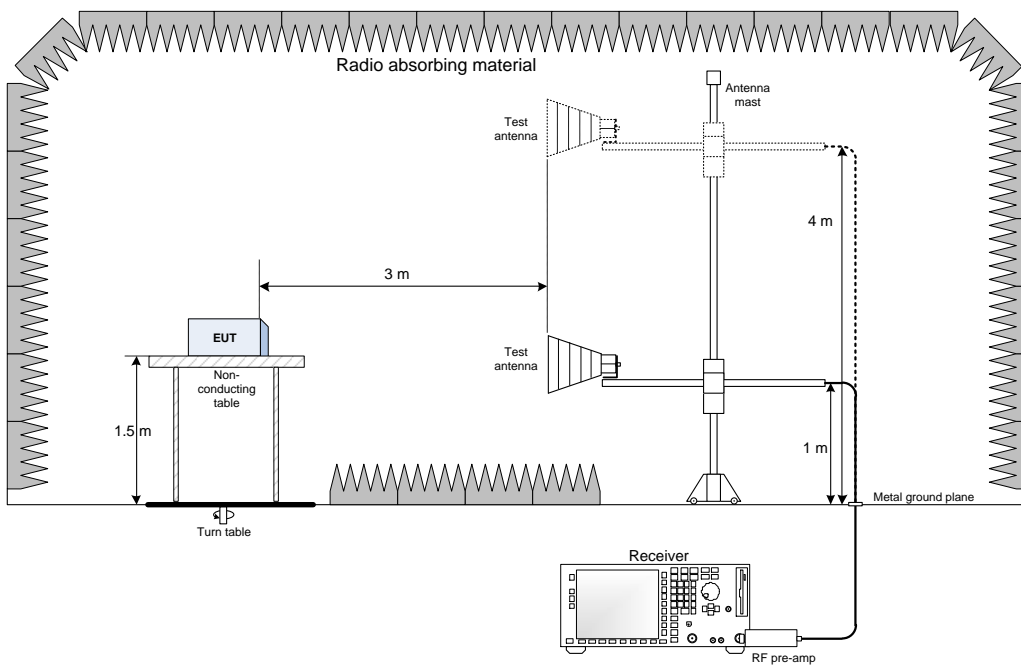
Antenna in vertical polarization – No inter-modulation product founds

Section 9. Block diagrams of test set-ups

9.1 Radiated emissions set-up for frequencies below 1 GHz



9.2 Radiated emissions set-up for frequencies above 1 GHz

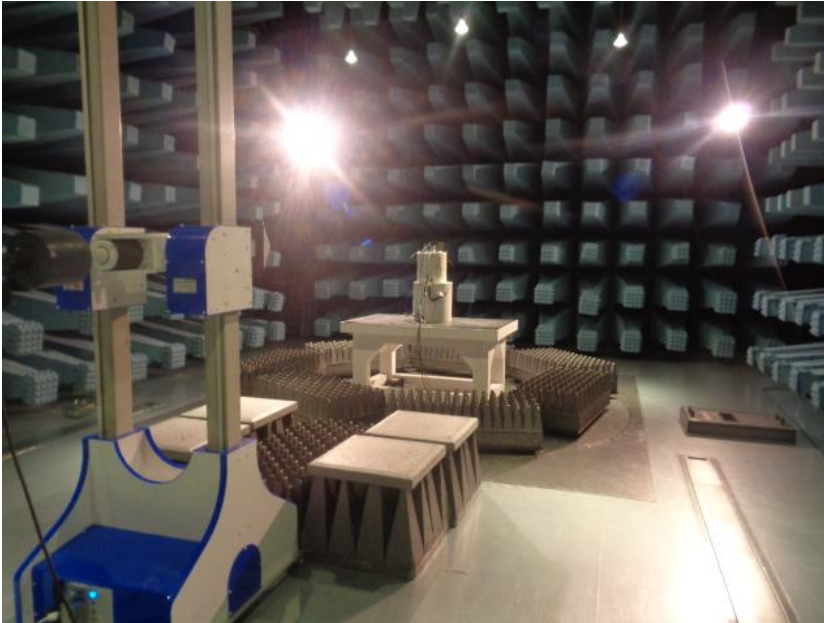


Section 10. Photos

10.1 Photos of the test set-up



Radiated emission below 1 GHz

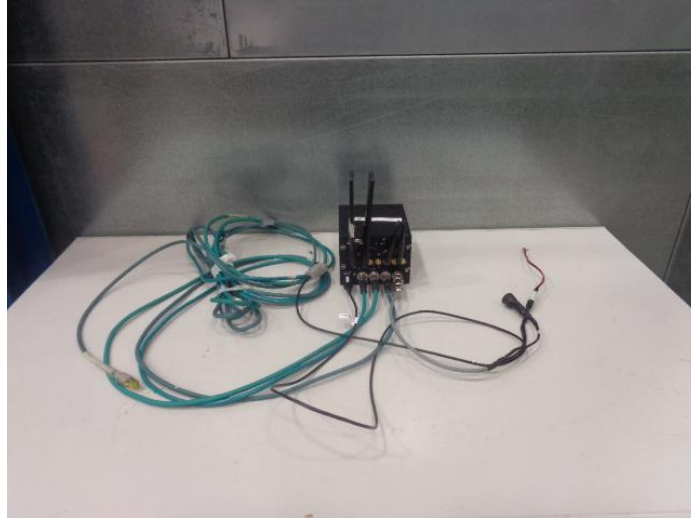


Radiated emission above 1 GHz

10.2 Photos of the EUT



SET A



SET B



End of report