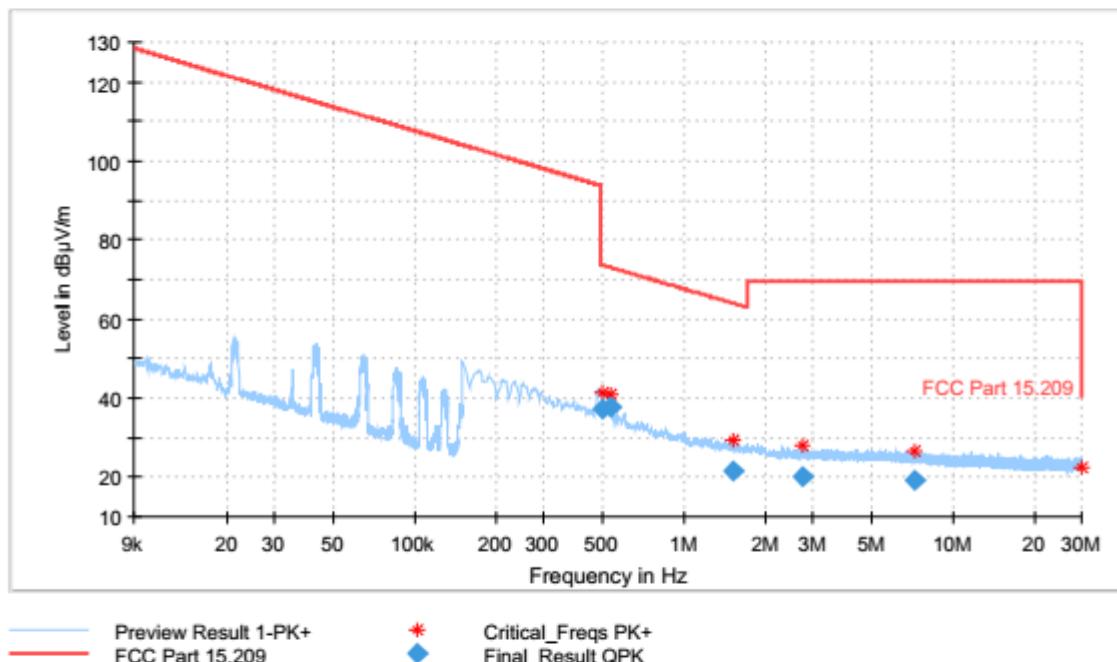


8.3.4 Test result

EUT Information

EUT: Wine climate cabinet
Supply: Uin 120V/60Hz
Operating mode: Proximity sensor turned on, lowest channel

Full Spectrum



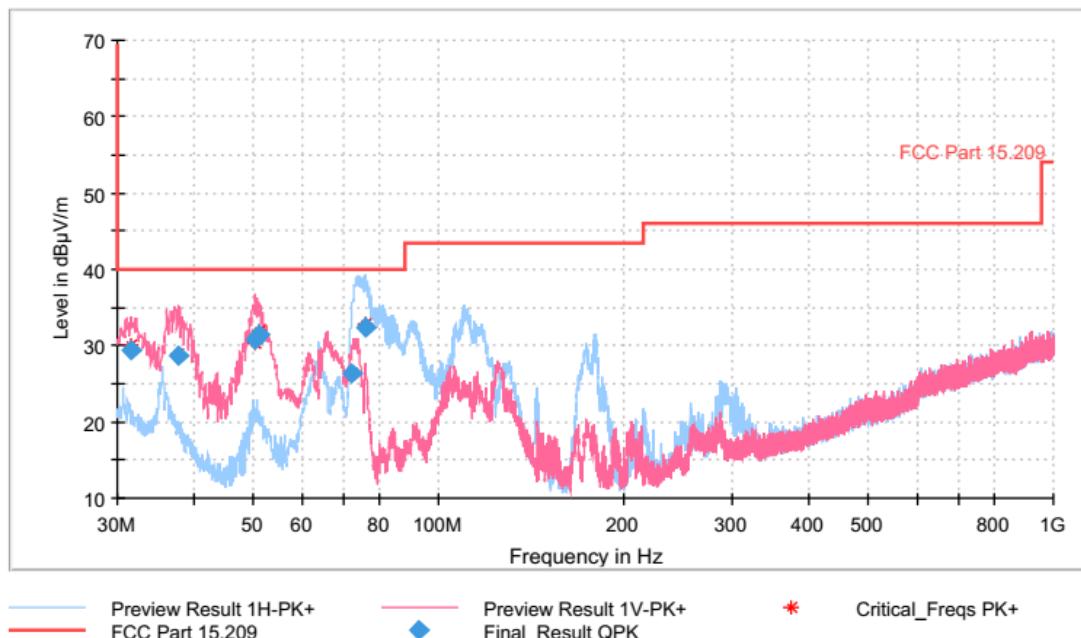
Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
0.530250	37.68	73.12	35.44	100.0	H	29.0
0.498750	37.02	73.65	36.63	100.0	H	0.0
1.511250	21.56	64.05	42.48	100.0	H	29.0
2.771250	20.30	69.50	49.20	100.0	H	293.0
7.199250	19.34	69.50	50.16	100.0	H	205.0

EUT Information

EUT: Wine climate cabinet
 Supply: Uin 120V/60Hz
 Operating mode: Proximity sensor turned on, lowest channel

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	DET 2 (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
75.780000	32.47	---	40.00	7.53	220.0	H	353.0
51.150000	31.55	---	40.00	8.45	122.0	V	0.0
50.370000	30.71	---	40.00	9.29	120.0	V	0.0
31.590000	29.37	---	40.00	10.63	120.0	V	0.0
37.830000	28.72	---	40.00	11.28	124.0	V	358.0
72.030000	26.47	---	40.00	13.53	220.0	H	317.0

EUT Information

EUT

Wine climate cabinet

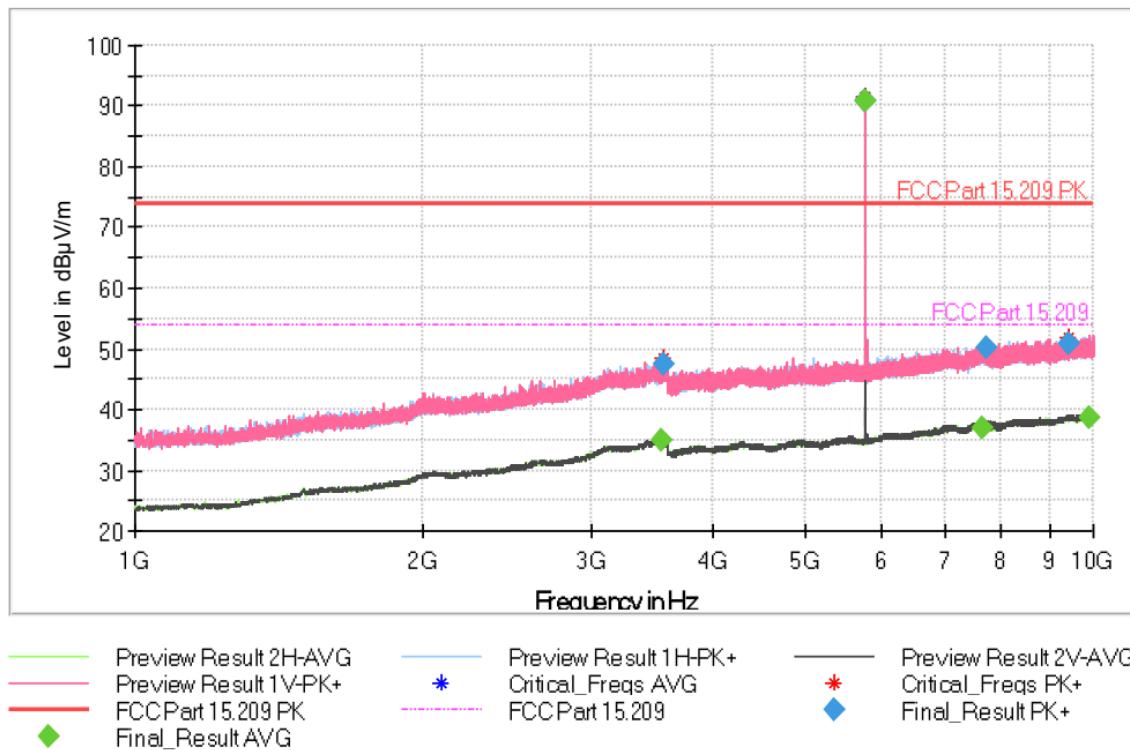
Supply

Uin 120V/60Hz

Operating mode:

Proximity sensor turned on, lowest channel

Full Spectrum



Final Result

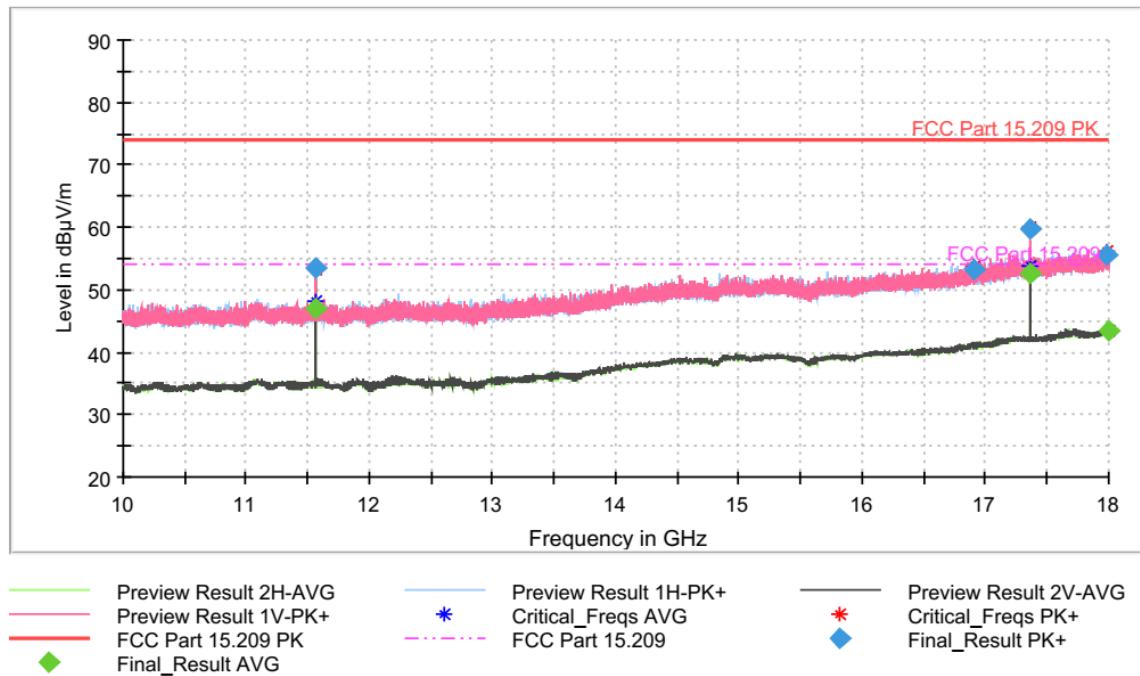
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
5785.000000	---	90.83	94.00	3.17	138.0	V	1.0
5785.000000	90.87	---	94.00	3.17	139.0	V	0.0
9899.750000	---	38.75	54.00	15.25	208.0	H	183.0
7649.750000	---	37.05	54.00	16.95	220.0	V	178.0
3551.500000	---	34.92	54.00	19.08	120.0	V	270.0
9438.500000	50.90	---	74.00	23.10	162.0	V	178.0
7739.000000	50.14	---	74.00	23.86	220.0	H	0.0
3561.000000	47.62	---	74.00	26.38	163.0	H	0.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, lowest channel

Full Spectrum



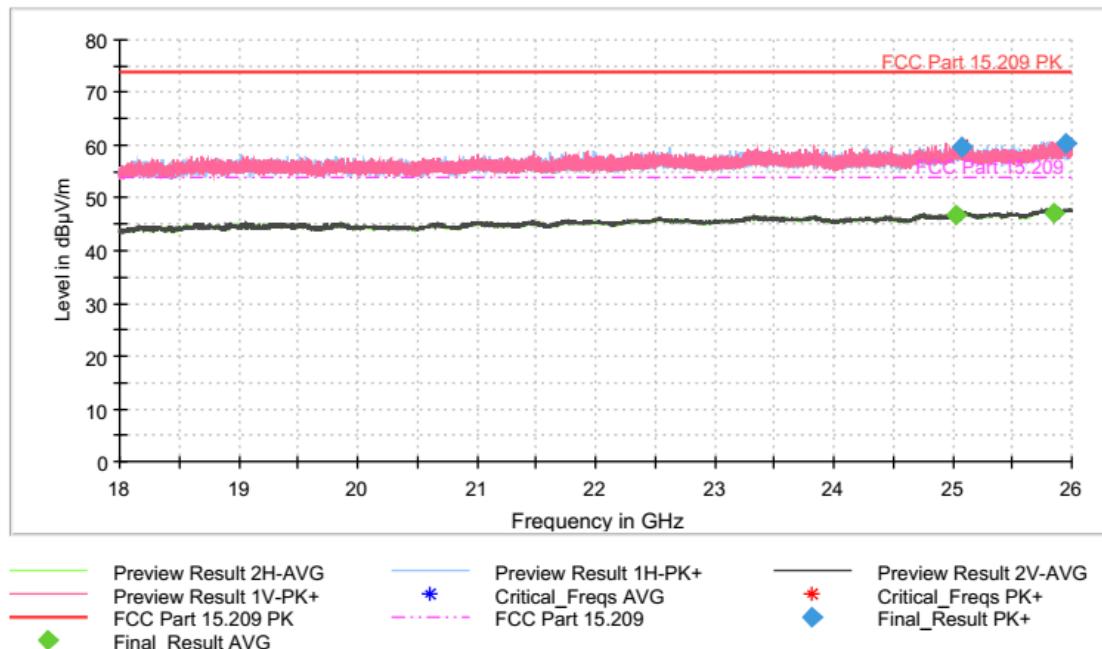
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
11570.000000	---	46.85	54.00	7.15	189.0	V	2.0
11570.250000	53.39	---	74.00	20.61	199.0	V	2.0
16903.750000	53.11	---	74.00	20.89	149.0	H	28.0
17355.250000	---	52.76	54.00	1.24	144.0	V	0.0
17355.250000	59.86	---	74.00	14.14	148.0	V	0.0
17979.500000	55.55	---	74.00	18.45	176.0	V	82.0
17997.500000	---	43.29	54.00	10.71	150.0	H	110.0

EUT Information

EUT: Wine climate cabinet
Supply: Uin 120V/60Hz
Operating mode: Proximity sensor turned on, lowest channel

Full Spectrum



Final Result

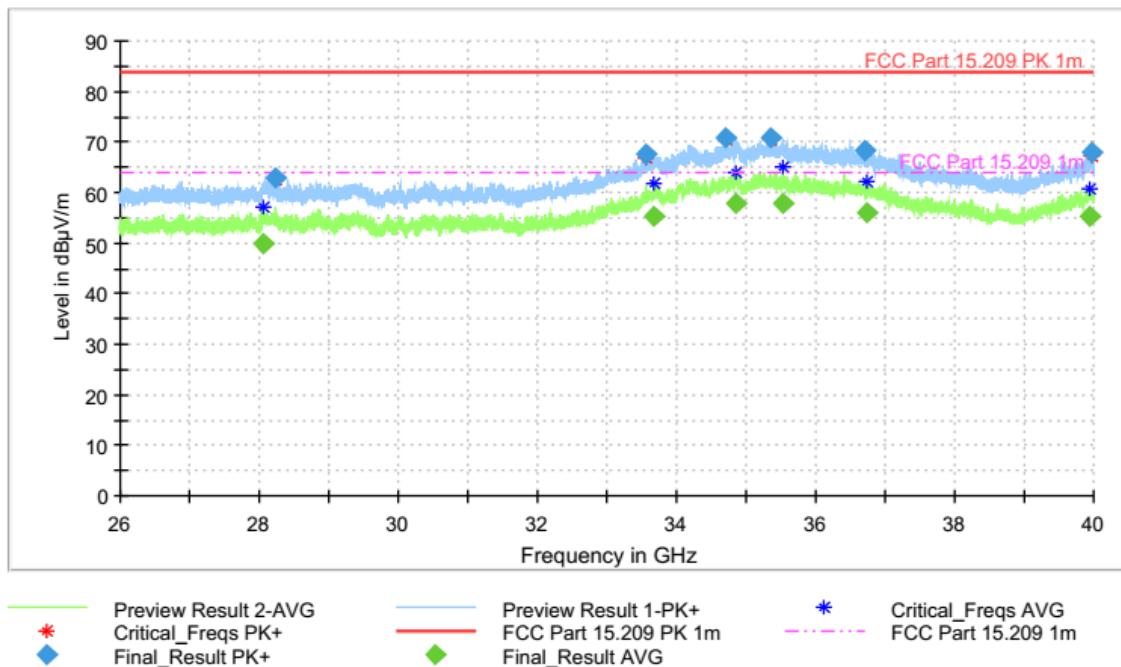
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
25853.000000	---	47.18	54.00	6.82	152.0	V	29.0
25029.750000	---	46.84	54.00	7.16	145.0	V	29.0
25945.250000	60.30	---	74.00	13.70	149.0	V	29.0
25068.750000	59.64	---	74.00	14.36	148.0	V	29.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, lowest channel

Full Spectrum



Final Result

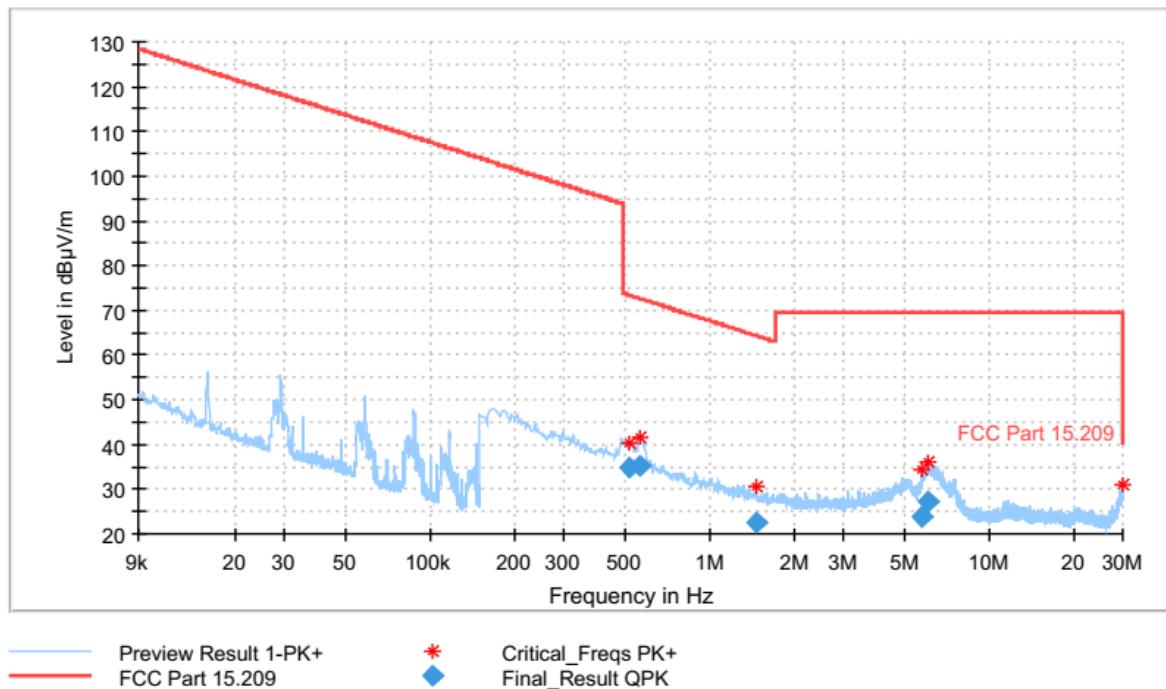
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
28046.000000	---	49.96	64.00	14.04	149.0	H	0.0
28243.142857	62.80	---	84.00	21.20	149.0	V	184.0
33545.000000	67.51	---	84.00	16.49	149.0	V	319.0
33666.000000	---	55.20	64.00	8.80	149.0	V	264.0
34716.000000	70.68	---	84.00	13.33	149.0	H	328.0
34859.000000	---	57.84	64.00	6.16	149.0	H	135.0
35345.000000	70.81	---	84.00	13.19	149.0	V	254.0
35524.000000	---	57.73	64.00	6.27	149.0	H	89.0
36702.000000	68.46	---	84.00	15.54	149.0	V	154.0
36738.000000	---	55.99	64.00	8.01	149.0	V	254.0
39951.000000	---	55.48	64.00	8.52	149.0	V	195.0
39982.000000	68.08	---	84.00	15.92	149.0	H	231.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, middle channel

Full Spectrum



Final Result

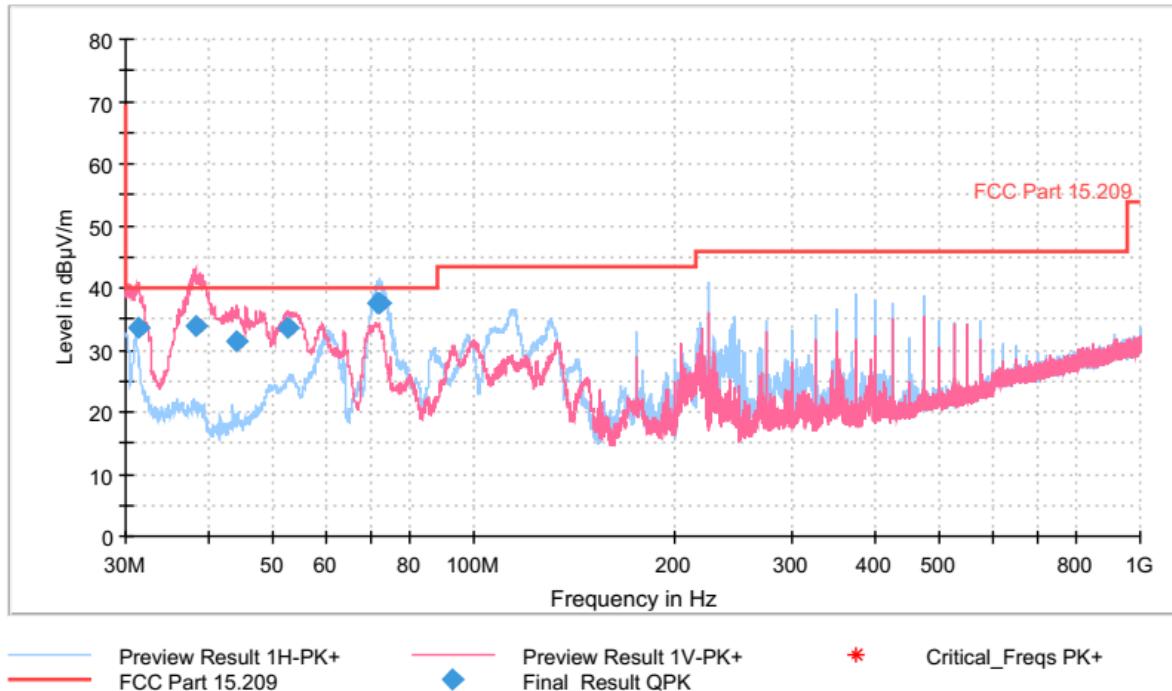
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
0.559500	35.18	72.65	37.48	100.0	H	89.0
0.519000	34.64	73.30	38.67	100.0	H	89.0
1.473000	22.59	64.27	41.68	100.0	H	0.0
6.029250	27.10	69.50	42.40	100.0	H	89.0
5.761500	23.87	69.50	45.63	100.0	H	89.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, middle channel

Full Spectrum



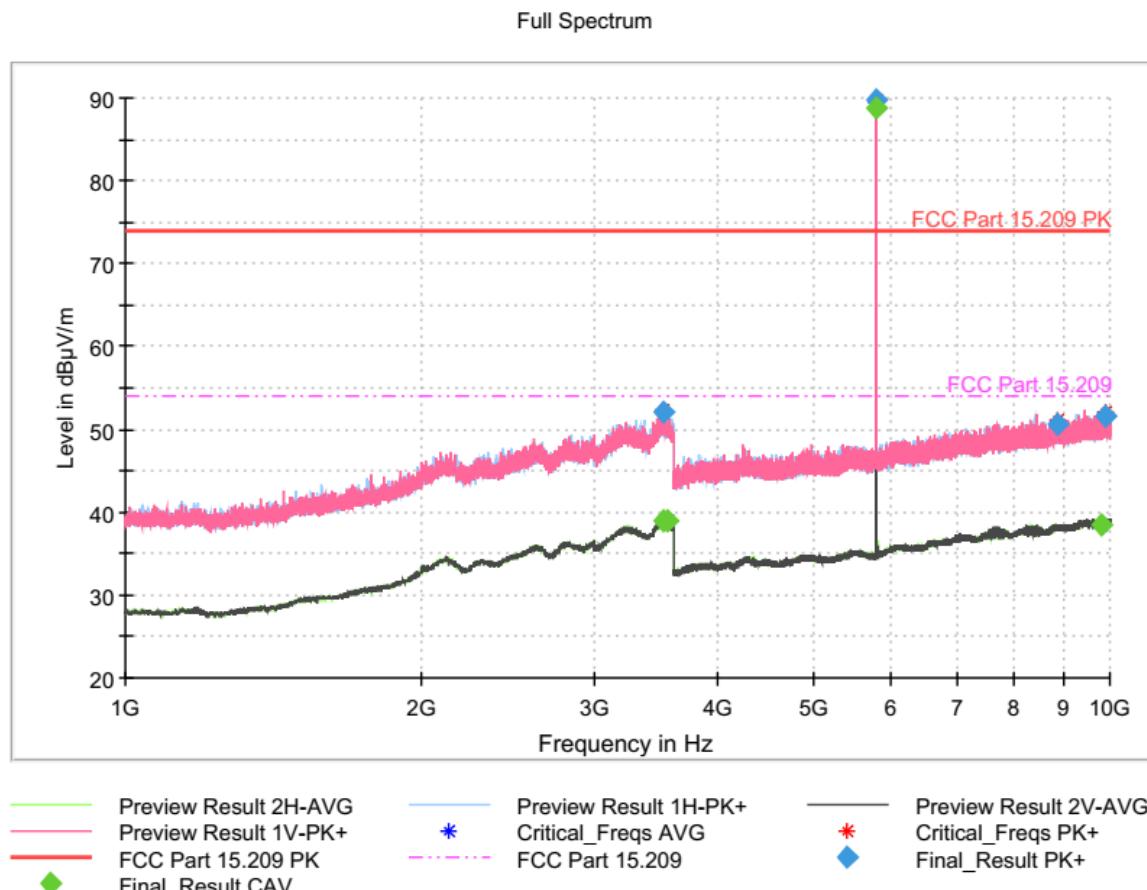
Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	DET 2 (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
71.760000	37.51	---	40.00	2.49	225.0	H	0.0
72.090000	37.46	---	40.00	2.54	225.0	H	0.0
38.160000	33.96	---	40.00	6.04	100.0	V	0.0
31.290000	33.44	---	40.00	6.56	100.0	V	0.0
52.710000	33.44	---	40.00	6.56	125.0	V	0.0
44.010000	31.42	---	40.00	8.58	125.0	V	0.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, middle channel



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
5800.000000	---	88.87	94.00	6.13	1000.0	1000.000	162.0	H	3.0
5800.000000	89.83	---	94.00	5.17	1000.0	1000.000	175.0	H	3.0
3548.250000	---	39.05	54.00	14.95	1000.0	1000.000	200.0	H	145.0
3522.250000	---	39.00	54.00	15.00	1000.0	1000.000	181.0	V	0.0
9816.000000	---	38.43	54.00	15.57	1000.0	1000.000	181.0	V	117.0
3524.250000	52.16	---	74.00	21.84	1000.0	1000.000	151.0	V	0.0
9895.250000	51.50	---	74.00	22.50	1000.0	1000.000	129.0	H	0.0
8848.000000	50.68	---	74.00	23.32	1000.0	1000.000	100.0	V	263.0

EUT Information

EUT

Wine climate cabinet

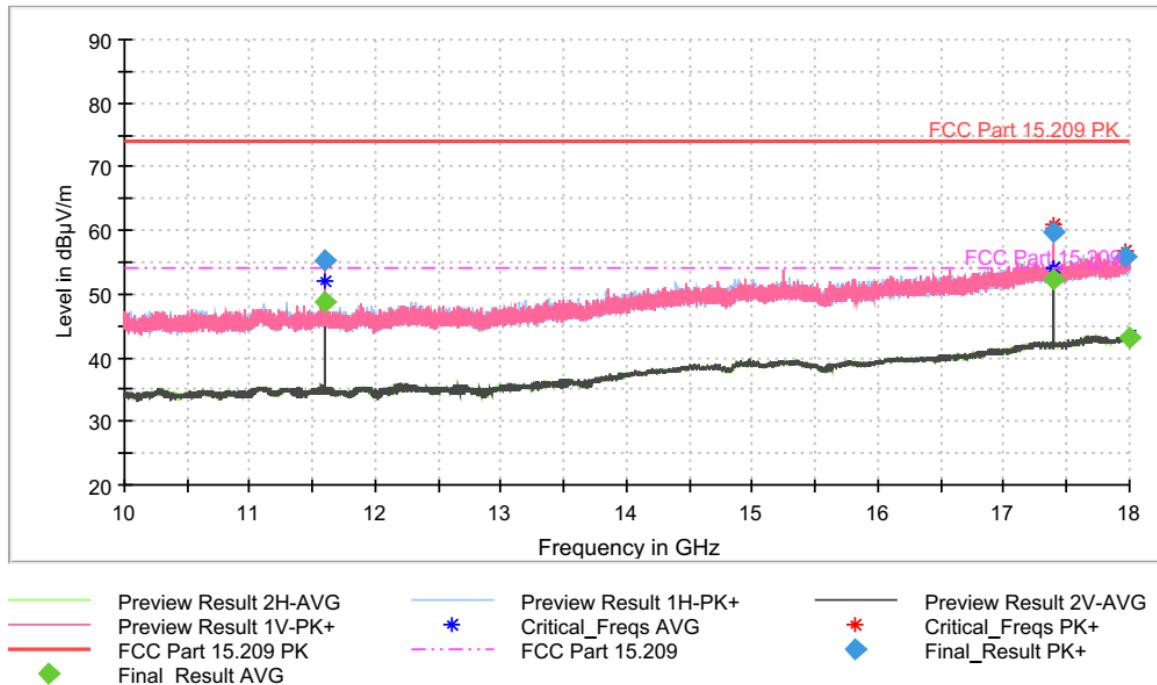
Supply

Uin 120V/60Hz

Operating mode:

Proximity sensor turned on, middle channel

Full Spectrum



Final Result

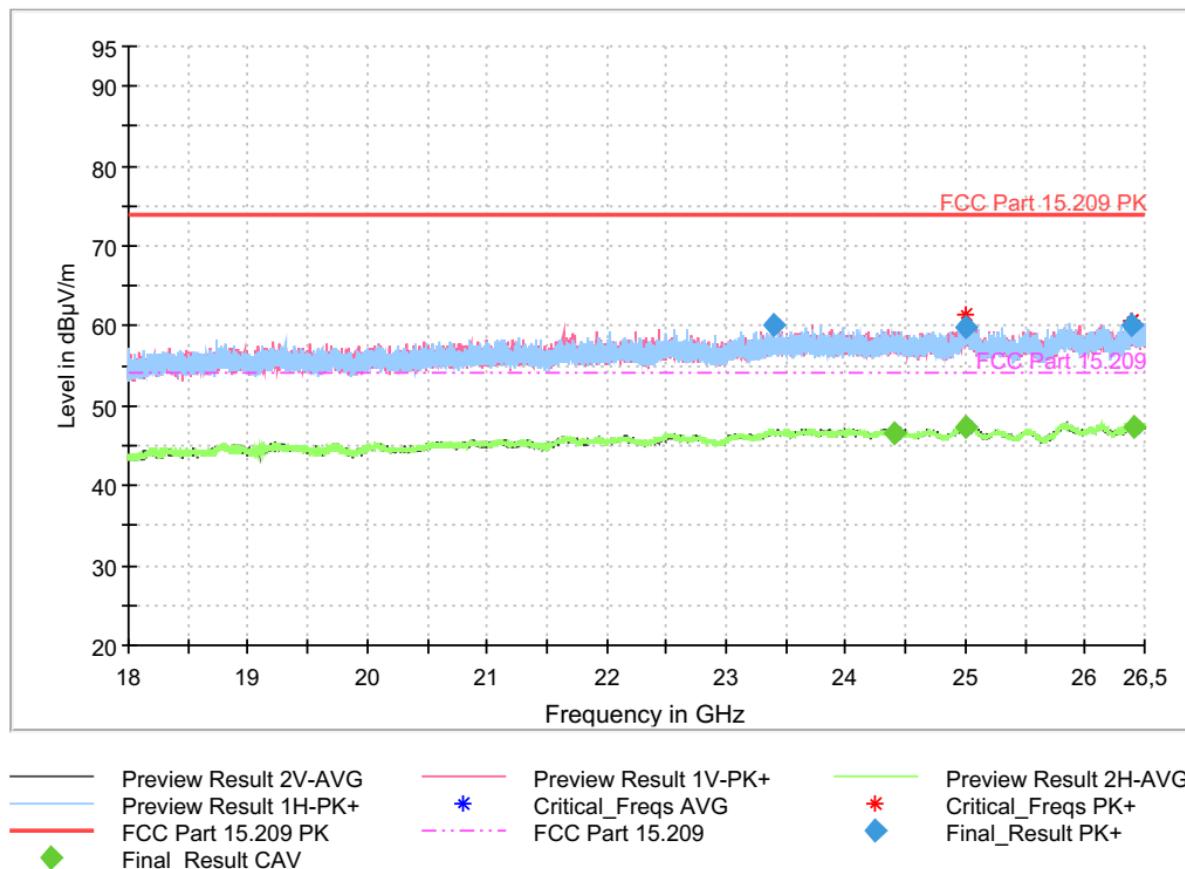
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
11600.000000	---	48.81	54.00	5.19	151.0	V	334.0
11600.000000	55.16	---	74.00	18.84	145.0	V	334.0
17400.000000	---	52.43	54.00	1.57	143.0	V	0.0
17400.000000	59.72	---	74.00	14.28	145.0	V	0.0
17962.750000	55.84	---	74.00	18.16	160.0	H	276.0
17997.000000	---	43.23	54.00	10.77	169.0	H	276.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, middle channel

Full Spectrum



Final Result

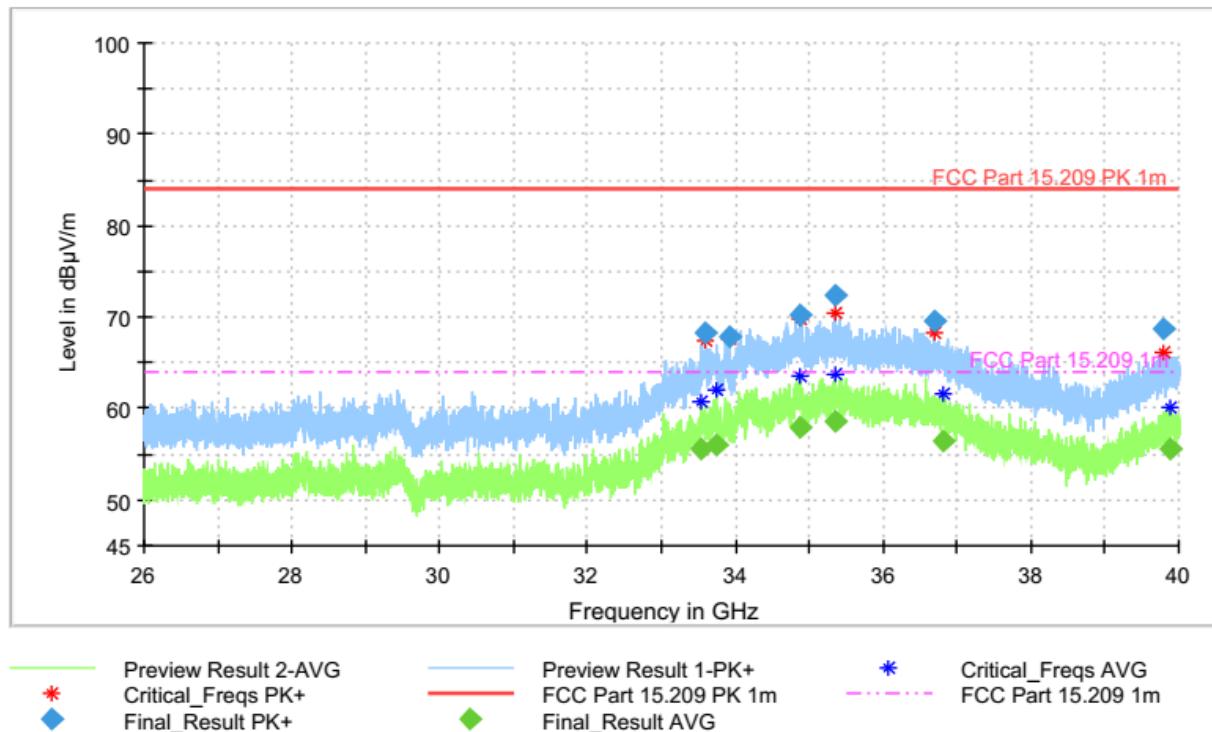
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23393.000000	60.13	74.00	13.87	1000.0	1000.000	139.0	H	0.0	11.6
24413.500000	---	54.00	7.38	1000.0	1000.000	100.0	V	269.0	11.7
24994.250000	---	54.00	6.66	1000.0	1000.000	122.0	H	354.0	12.0
24994.750000	59.86	74.00	14.14	1000.0	1000.000	100.0	H	179.0	12.0
26391.000000	60.16	74.00	13.84	1000.0	1000.000	162.0	V	6.0	12.1
26405.000000	---	54.00	6.58	1000.0	1000.000	200.0	V	0.0	12.1

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, middle channel

Full Spectrum



Final Result

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
33549.000000	55.53	64.00	8.47	1000.0	1000.000	150.0	H	0.0
33593.000000	---	84.00	15.63	1000.0	1000.000	150.0	H	0.0
33741.000000	56.03	64.00	7.97	1000.0	1000.000	150.0	V	0.0
33921.000000	---	84.00	16.08	1000.0	1000.000	150.0	H	0.0
34865.000000	---	84.00	13.66	1000.0	1000.000	150.0	H	0.0
34874.000000	57.97	64.00	6.03	1000.0	1000.000	150.0	H	0.0
35341.000000	---	84.00	11.62	1000.0	1000.000	150.0	H	0.0
35343.000000	58.66	64.00	5.34	1000.0	1000.000	150.0	V	0.0
36707.000000	---	84.00	14.51	1000.0	1000.000	150.0	V	0.0
36810.000000	56.43	64.00	7.57	1000.0	1000.000	150.0	V	0.0
39792.000000	---	84.00	15.23	1000.0	1000.000	150.0	H	0.0
39887.000000	55.55	64.00	8.45	1000.0	1000.000	150.0	H	0.0

EUT Information

EUT:

Wine climate cabinet

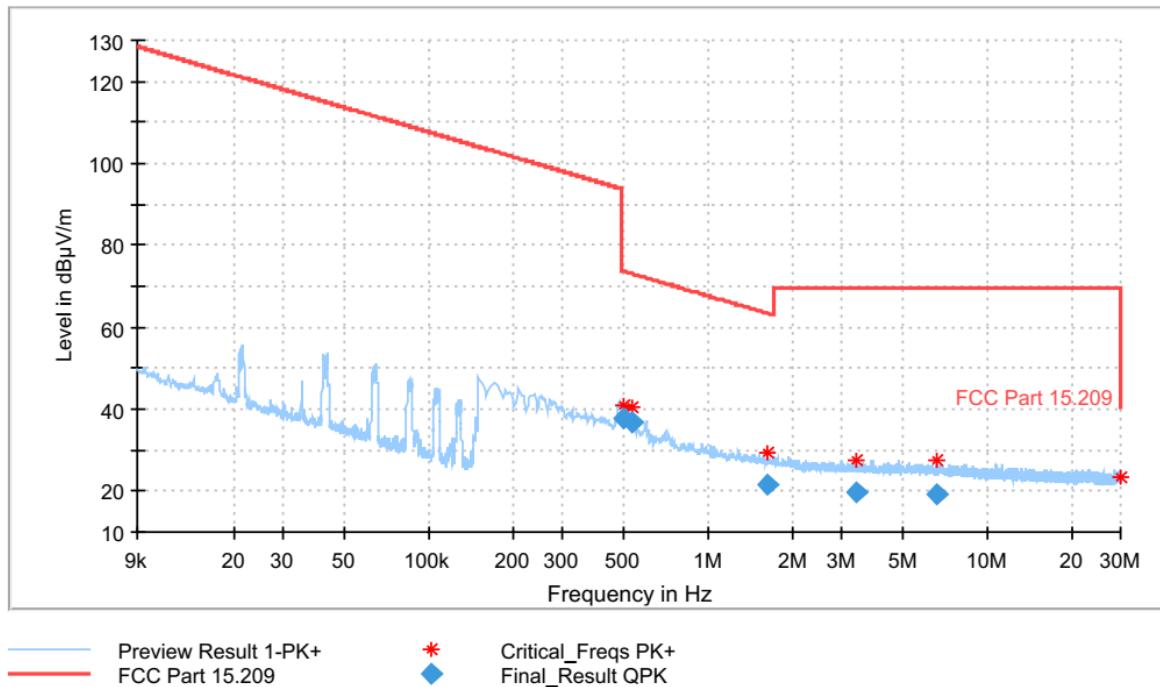
Supply:

Uin 120V/60Hz

Operating mode:

Proximity sensor turned on, highest channel

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
0.501000	37.63	73.61	35.98	100.0	H	68.0
0.530250	36.76	73.12	36.36	100.0	H	2.0
1.619250	21.33	63.45	42.12	100.0	H	68.0
3.387750	19.81	69.50	49.69	100.0	H	0.0
6.569250	19.42	69.50	50.08	100.0	H	0.0

EUT Information

EUT:

Wine climate cabinet

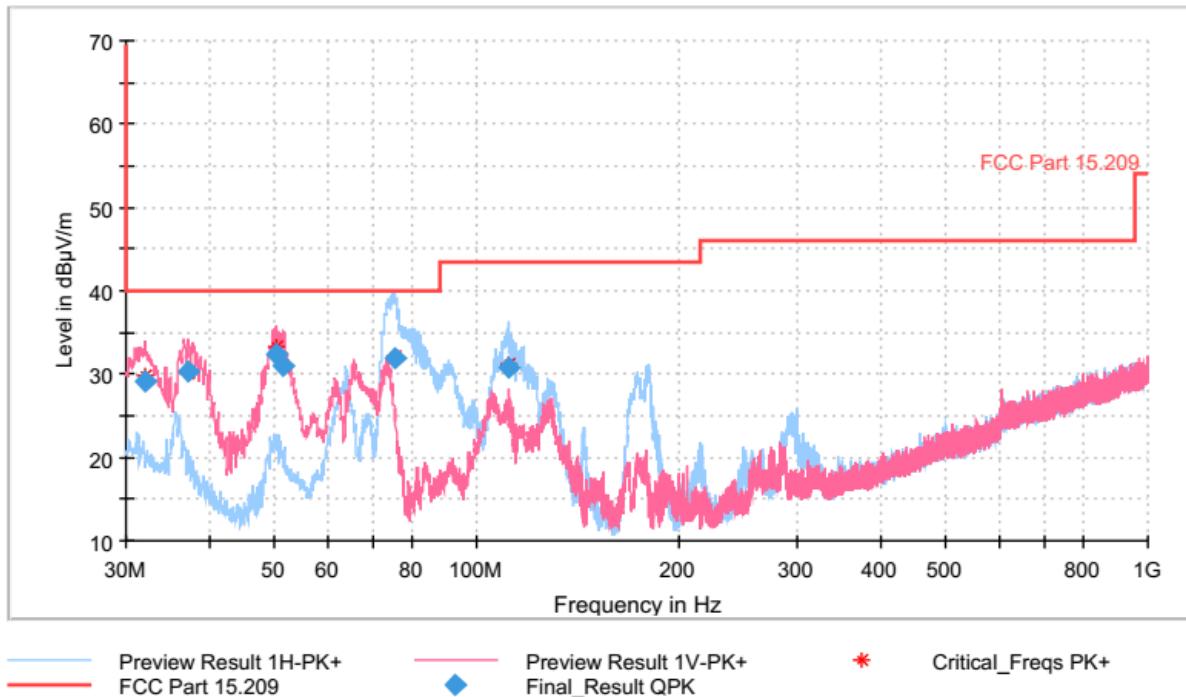
Supply:

Uin 120V/60Hz

Operating mode:

Proximity sensor turned on, highest channel

Full Spectrum



Final Result

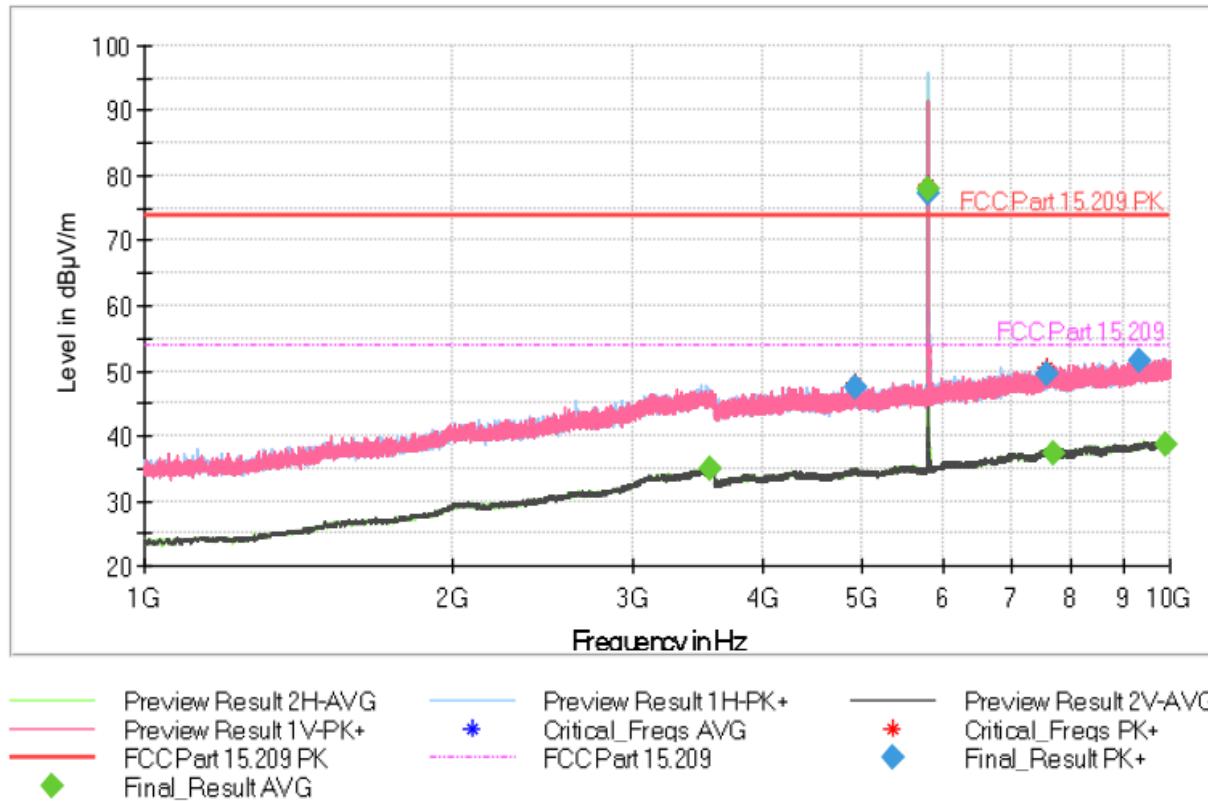
Frequency (MHz)	QuasiPeak (dB μ V/m)	DET 2 (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
50.400000	32.41	---	40.00	7.59	120.0	V	350.0
75.240000	31.96	---	40.00	8.04	212.0	H	0.0
51.570000	31.10	---	40.00	8.90	120.0	V	0.0
37.200000	30.32	---	40.00	9.68	120.0	V	350.0
32.100000	29.22	---	40.00	10.78	120.0	V	0.0
111.330000	30.87	---	43.50	12.63	135.0	H	0.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, highest channel

Full Spectrum



Final Result

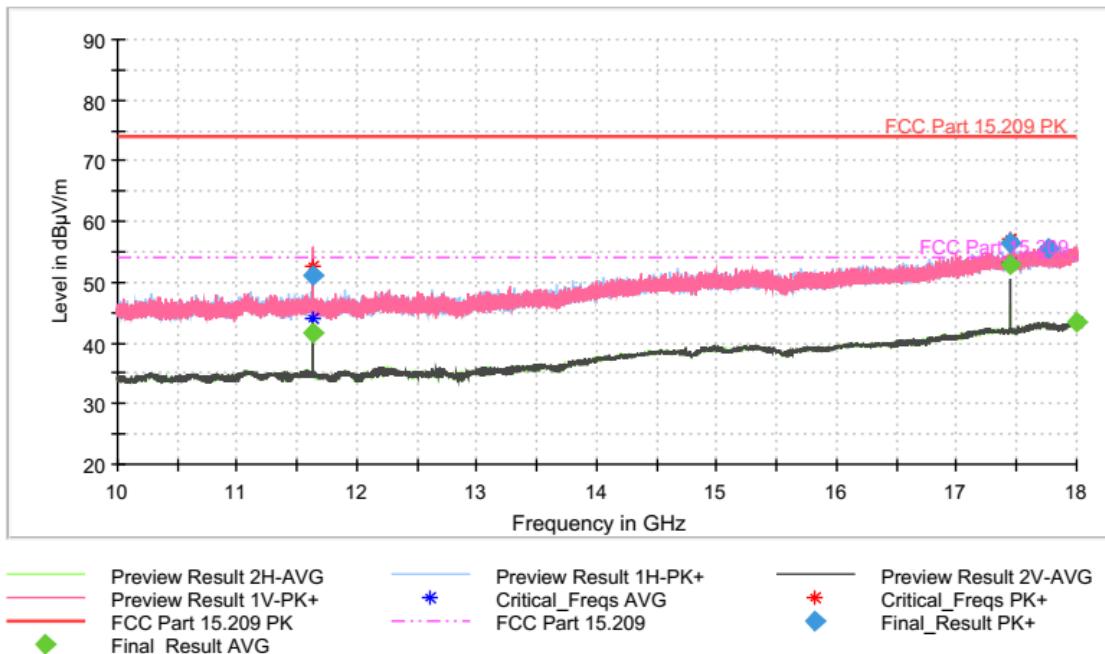
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
5815.000000	---	78.03	94.00	15.97	120.0	H	85.0
5815.000000	77.43	---	94.00	16.57	123.0	H	85.0
9881.250000	---	38.66	54.00	15.34	220.0	H	0.0
7698.000000	---	37.33	54.00	16.67	156.0	H	85.0
3554.250000	---	35.04	54.00	18.96	120.0	V	0.0
9314.500000	51.67	---	74.00	22.33	214.0	H	85.0
7571.750000	49.65	---	74.00	24.35	131.0	H	269.0
4938.500000	47.48	---	74.00	26.52	131.0	V	0.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, highest channel

Full Spectrum



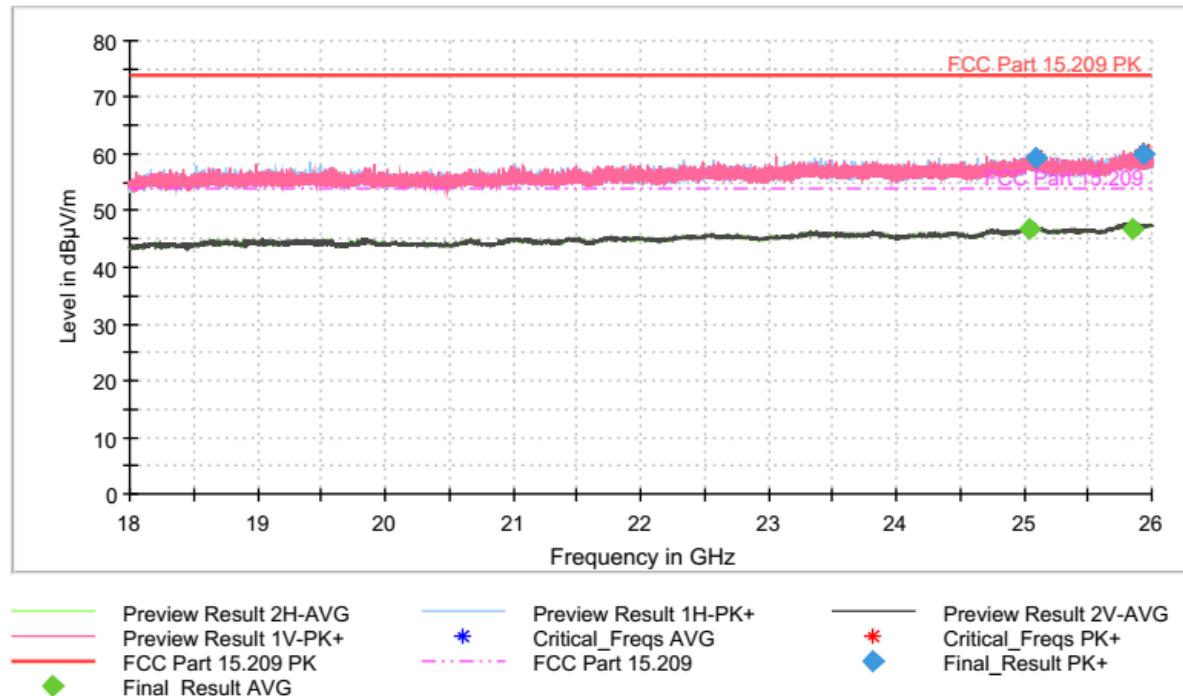
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
11630.000000	51.28	---	74.00	22.72	149.0	V	1.0
11630.000000	---	41.60	54.00	12.40	188.0	V	0.0
17445.000000	---	52.79	54.00	1.21	149.0	V	0.0
17445.250000	56.59	---	74.00	17.41	163.0	V	332.0
17764.250000	55.48	---	74.00	18.52	161.0	H	358.0
17997.750000	---	43.33	54.00	10.67	205.0	H	0.0

EUT Information

EUT: Wine climate cabinet
Supply: Uin 120V/60Hz
Operating mode: Proximity sensor turned on, highest channel

Full Spectrum



Final Result

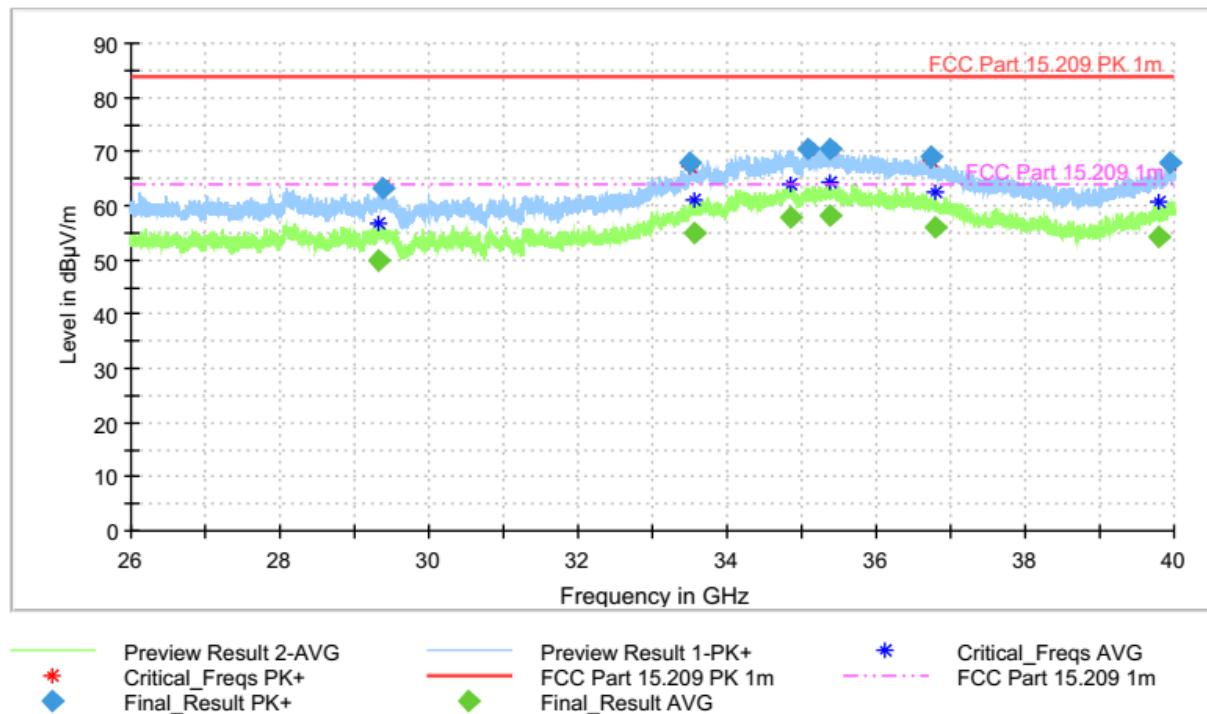
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
25852.000000	---	46.88	54.00	7.12	145.0	H	0.0
25042.750000	---	46.73	54.00	7.27	149.0	H	250.0
25929.750000	60.16	---	74.00	13.84	149.0	V	28.0
25098.250000	59.35	---	74.00	14.65	174.0	H	0.0

EUT Information

EUT
Supply
Operating mode:

Wine climate cabinet
Uin 120V/60Hz
Proximity sensor turned on, highest channel

Full Spectrum

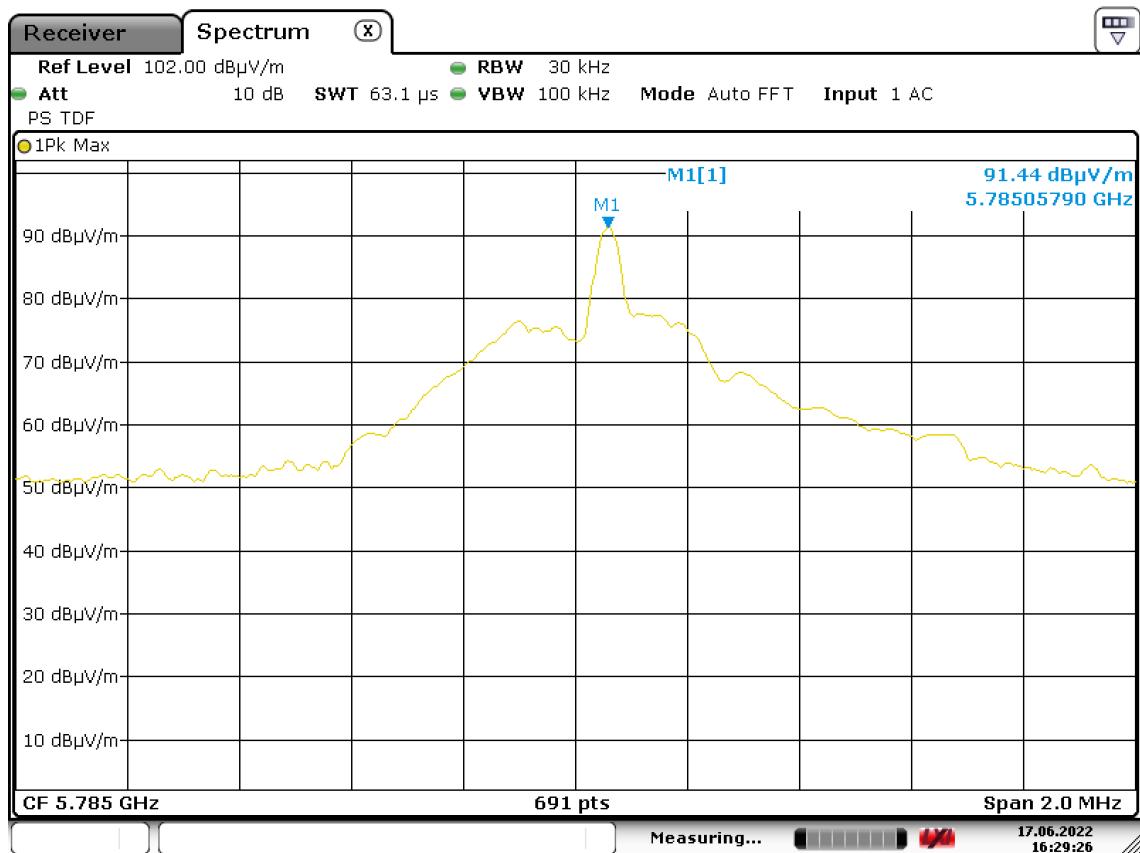


Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
35368.000000	---	58.11	64.00	5.89	149.0	V	347.0
34860.000000	---	57.74	64.00	6.26	149.0	H	11.0
36787.000000	---	55.92	64.00	8.08	149.0	V	272.0
33545.000000	---	54.90	64.00	9.10	149.0	H	236.0
39804.000000	---	54.07	64.00	9.93	149.0	V	11.0
35087.000000	70.60	---	84.00	13.40	149.0	V	240.0
35396.000000	70.55	---	84.00	13.45	149.0	H	206.0
29314.571429	---	49.87	64.00	14.13	149.0	V	287.0
36738.000000	68.94	---	84.00	15.06	149.0	H	243.0
39938.000000	67.81	---	84.00	16.19	149.0	V	65.0
33491.000000	67.78	---	84.00	16.22	149.0	H	355.0
29382.285714	63.20	---	84.00	20.80	149.0	V	68.0

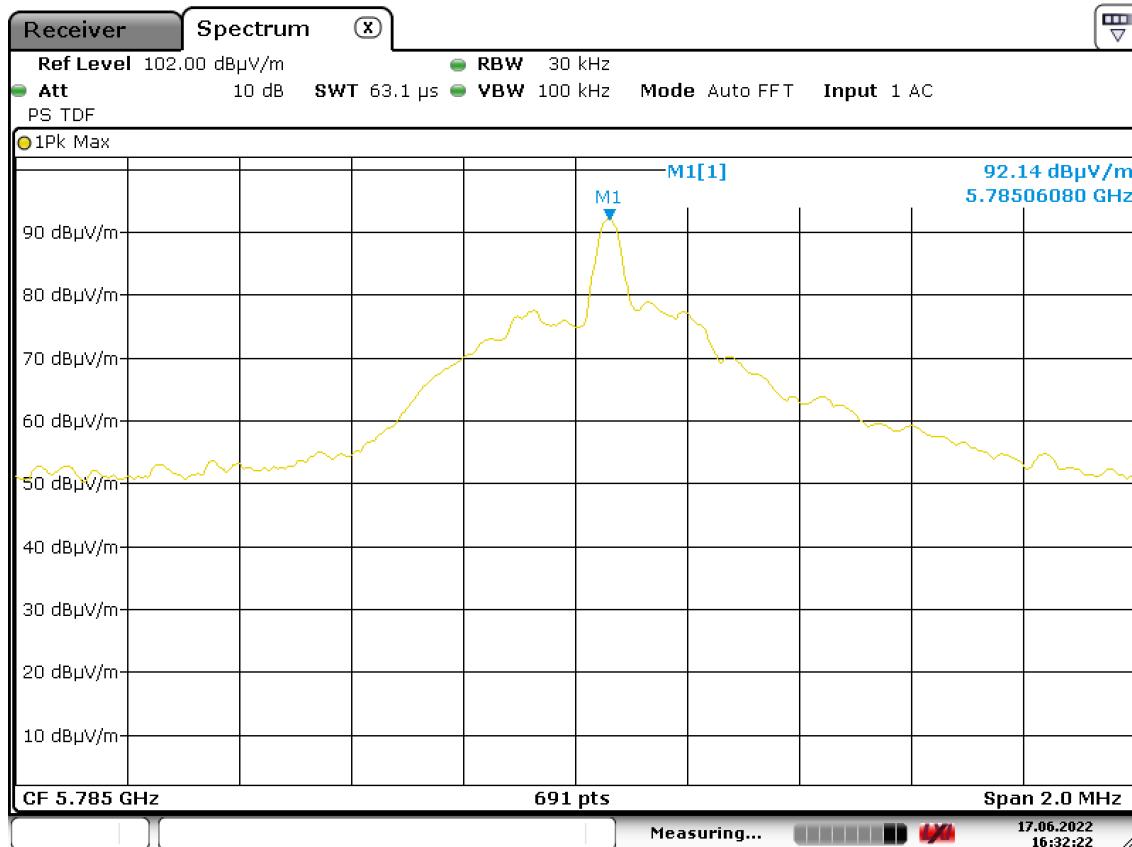
§ 15.249(a) Test results

EUT: Wine climate cabinet
Supply: Uin: 120 V, 60 Hz
Operating modes: Proximity sensor turned on
Antenna Polarization: Vertical



Date: 17.JUN.2022 16:29:27

EUT: Wine climate cabinet
 Supply: Uin: 120 V, 60 Hz
 Operating modes: Proximity sensor turned on
 Antenna Polarization: Horizontal

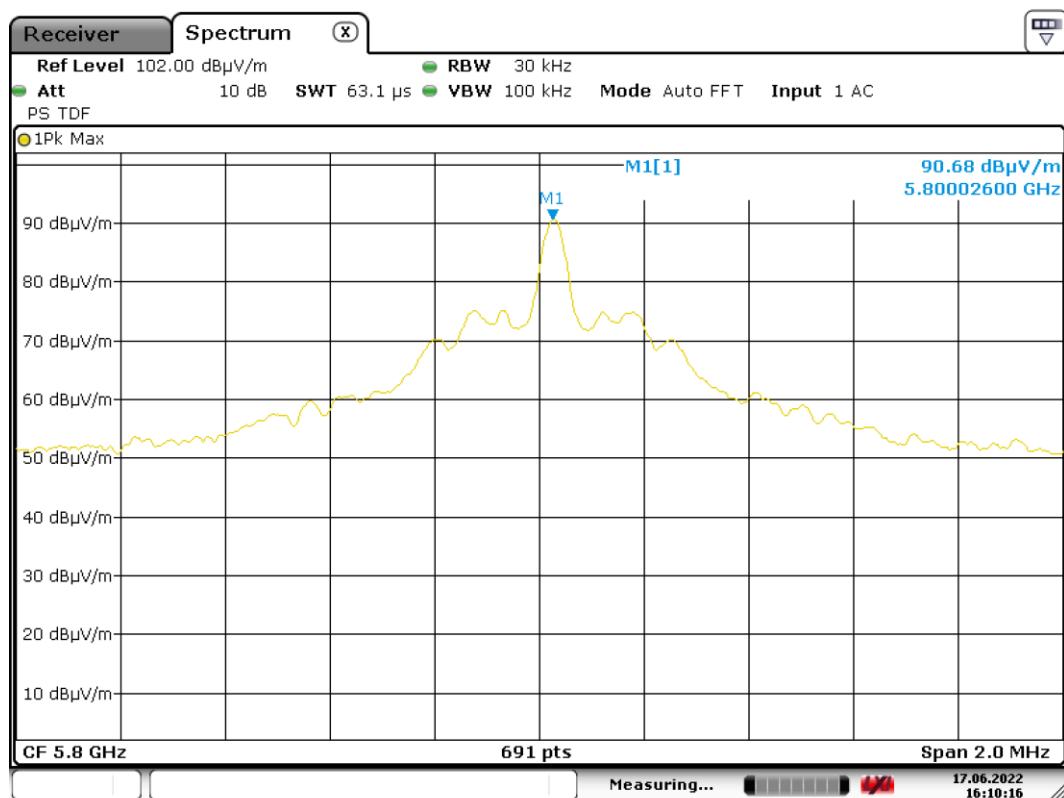


Date: 17.JUN.2022 16:32:23

DUT Frequency (MHz)	Antenna polarization	Max Level (dB μ V/m)	Limit (dB μ V/m)	Result
5785	Vertical	91.44	94.00	PASS
5785	Horizontal	92.14	94.00	PASS

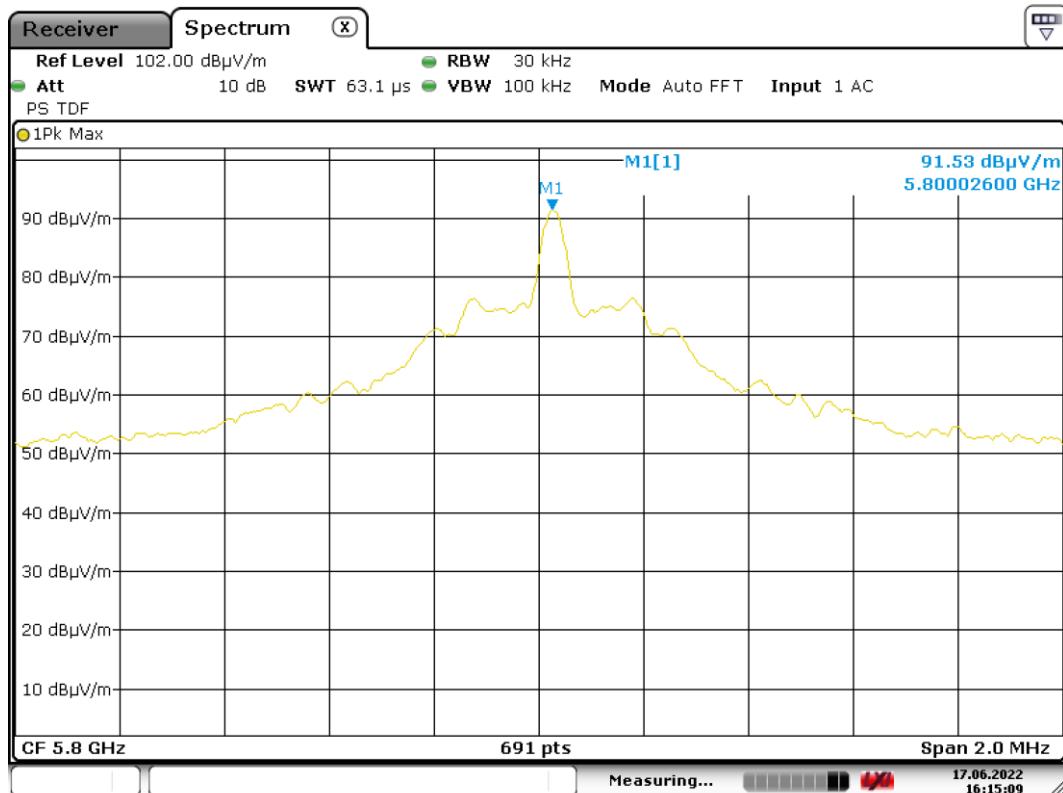
EUT:
Supply:
Operating modes:
Antenna Polarization:

Wine climate cabinet
Uin: 120 V, 60 Hz
Proximity sensor turned on
Vertical



Date: 17.JUN.2022 16:10:17

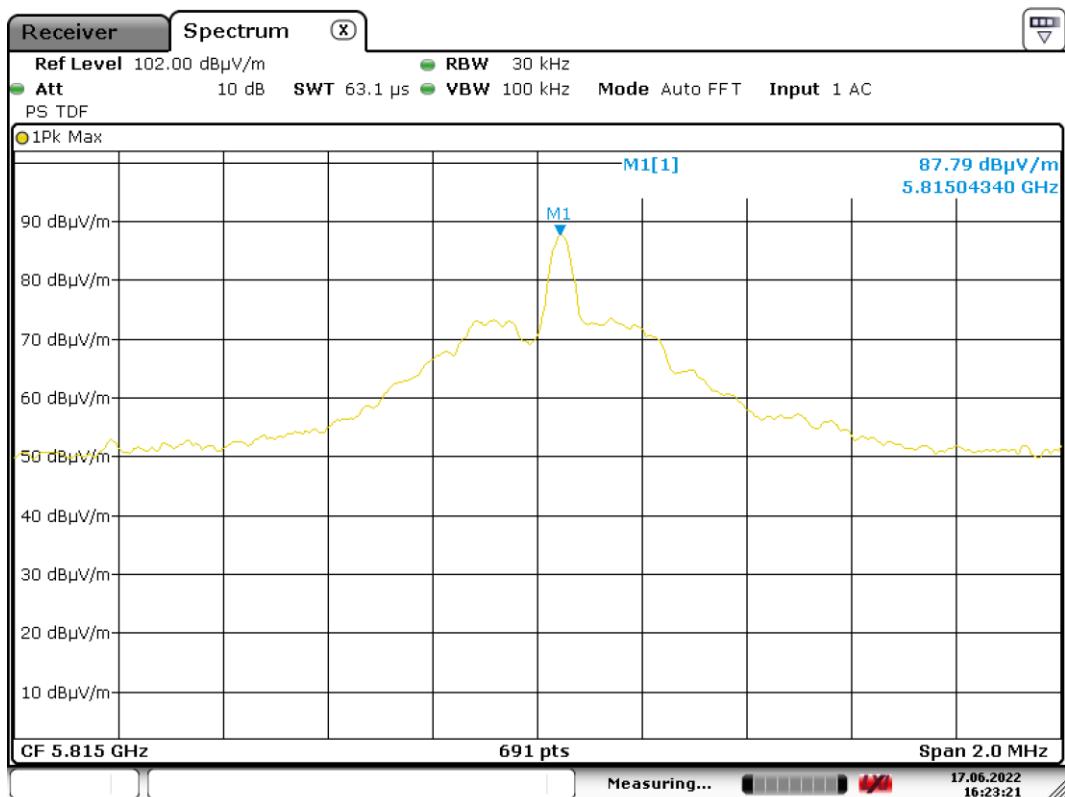
EUT: Wine climate cabinet
 Supply: Uin: 120 V, 60 Hz
 Operating modes: Proximity sensor turned on
 Antenna Polarization: Horizontal



Date: 17.JUN.2022 16:15:08

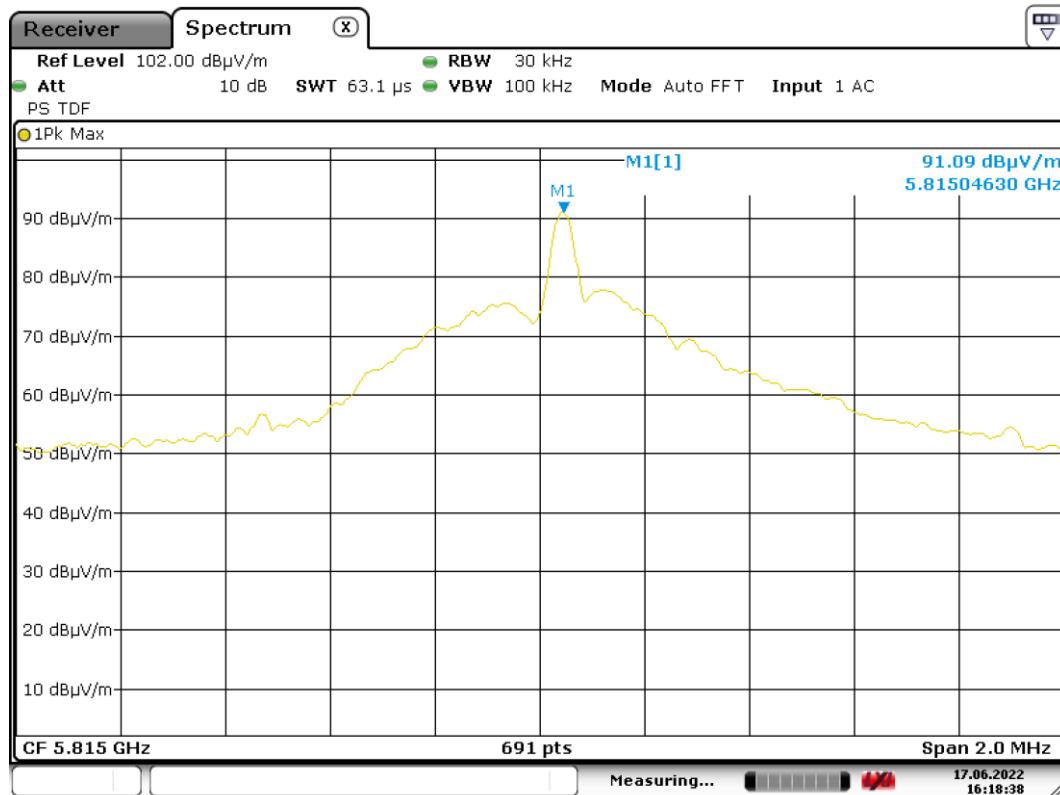
DUT Frequency (MHz)	Antenna polarization	Max Level (dBμV/m)	Limit (dBμV/m)	Result
5800	Vertical	90.68	94.00	PASS
5800	Horizontal	91.53	94.00	PASS

EUT: Wine climate cabinet
Supply: Uin: 120 V, 60 Hz
Operating modes: Proximity sensor turned on
Antenna Polarization: Vertical



Date: 17.JUN.2022 16:23:21

EUT: Wine climate cabinet
 Supply: Uin: 120 V, 60 Hz
 Operating modes: Proximity sensor turned on
 Antenna Polarization: Horizontal



Date: 17.JUN.2022 16:18:38

DUT Frequency (MHz)	Antenna polarization	Max Level (dB μ V/m)	Limit (dB μ V/m)	Result
5815	Vertical	87.79	94.00	PASS
5815	Horizontal	91.09	94.00	PASS

8.4 Occupied bandwidth

8.4.1 Test instruments

Description	Model No.	SIQ No.	Last calibration	Calibrated until	Calibration period	Used
Rohde-Schwarz, Spectrum analyzer	FSV 40	/	2021-04	2022-10	18 months	X
Rohde-Schwarz, RFI receiver	ESU8	105187	2020-07	2022-07	24 months	
Rohde-Schwarz, RFI receiver	ESU26	106897	2021-01	2023-07	18 months	X
Comtest Engineering, Semi Anechoic Chamber SAC 1	SAC 3m	NPS001	2020-06	2022-06	24 months	X
Rohde & Schwarz, Ultra Broadband Antenna	HL562E (SN 109843)	109063	2020-07	2022-07	24 months	
Rohde & Schwarz, Horn Antenna	HF907 (SN 102494)	109064	2020-08	2022-08	24 months	
Comtest Engineering, Semi Anechoic Chamber SAC 2	SAC 3m	NPS002	2020-06	2022-06	24 months	X
Rohde & Schwarz, Ultra Broadband Antenna	HL562E (SN 100842)	109056	2020-07	2022-07	24 months	X
Rohde & Schwarz, Horn Antenna	HF907 (SN 102508)	109057	2020-08	2022-08	24 months	X
Horn Antenna, EMCO	3116	/	2021-10	2024-10	36 months	X
Maturo, Turn table (2 m diameter)	TT 2.0 SI	/	N/A	N/A	N/A	X
Maturo, Bore-sight antenna mast	BAM-4.0-P	/	N/A	N/A	N/A	X
Maturo, Multi- channel positioning equipment	Maturo NCD	/	N/A	N/A	N/A	X
Schwarzbeck Active loop antenna	FMZB 1519B	/	2021-04	2022-10	18 months	X
Rohde-Schwarz, AMN	ENV216	/	2021-08	2023-02	18 months	X

8.4.2 Test procedure

The emission bandwidth (\times dB) is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated \times dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3 \times the resolution bandwidth.

When the occupied bandwidth limit is not stated in the applicable RSS or reference measurement method, the transmitted signal bandwidth shall be reported as the 99% emission bandwidth, as calculated or measured.

- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3 \times RBW.

Note: Video averaging is not permitted.

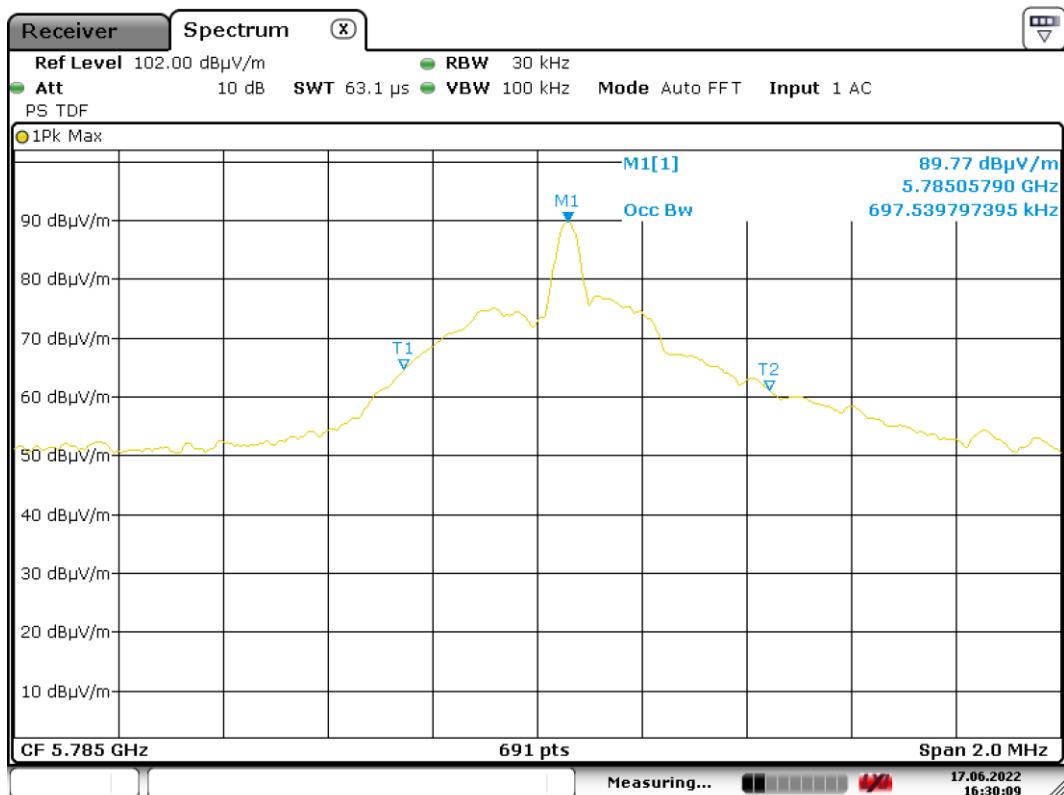
A peak, or peak hold, may be used in place of the sampling detector as this may produce a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold may be necessary to determine the occupied bandwidth if the device is not transmitting continuously.

The trace data points are recovered and are directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded.

The difference between the two recorded frequencies is the 99% occupied bandwidth.

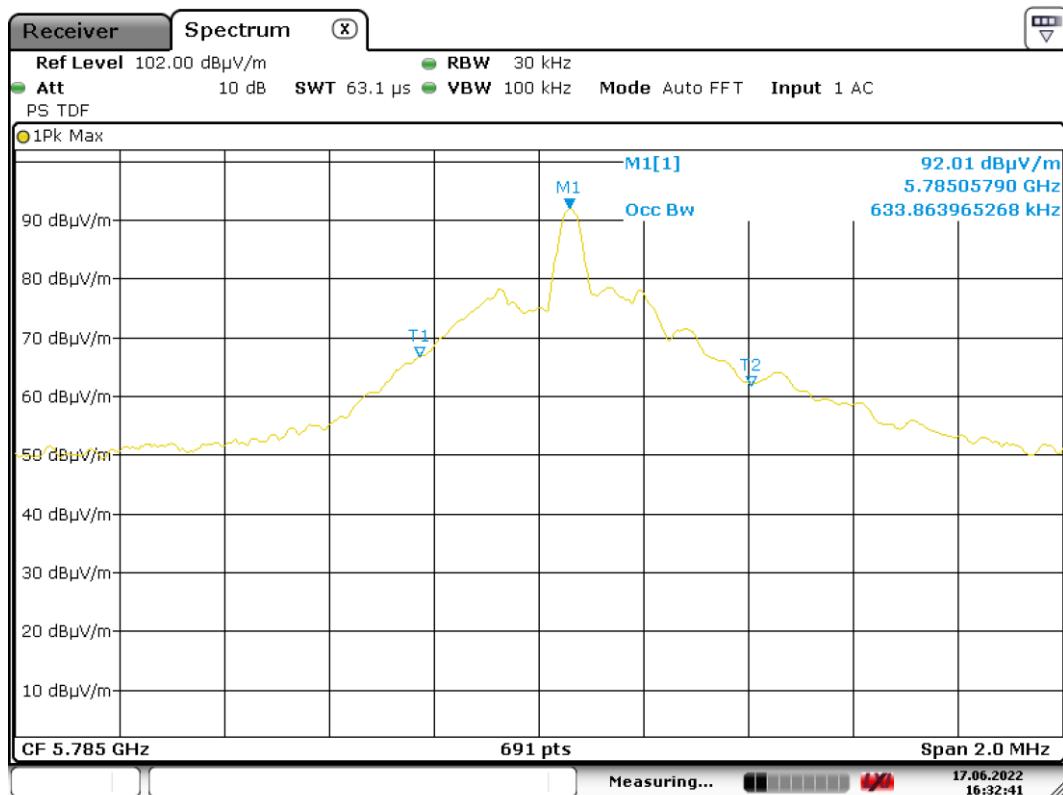
8.4.3 Test results

EUT: Wine climate cabinet
Supply: Uin: 120 V, 60 Hz
Operating modes: Proximity sensor turned on
Antenna Polarization: Vertical



Date: 17.JUN.2022 16:30:10

EUT: Wine climate cabinet
 Supply: Uin: 120 V, 60 Hz
 Operating modes: Proximity sensor turned on
 Antenna Polarization: Horizontal

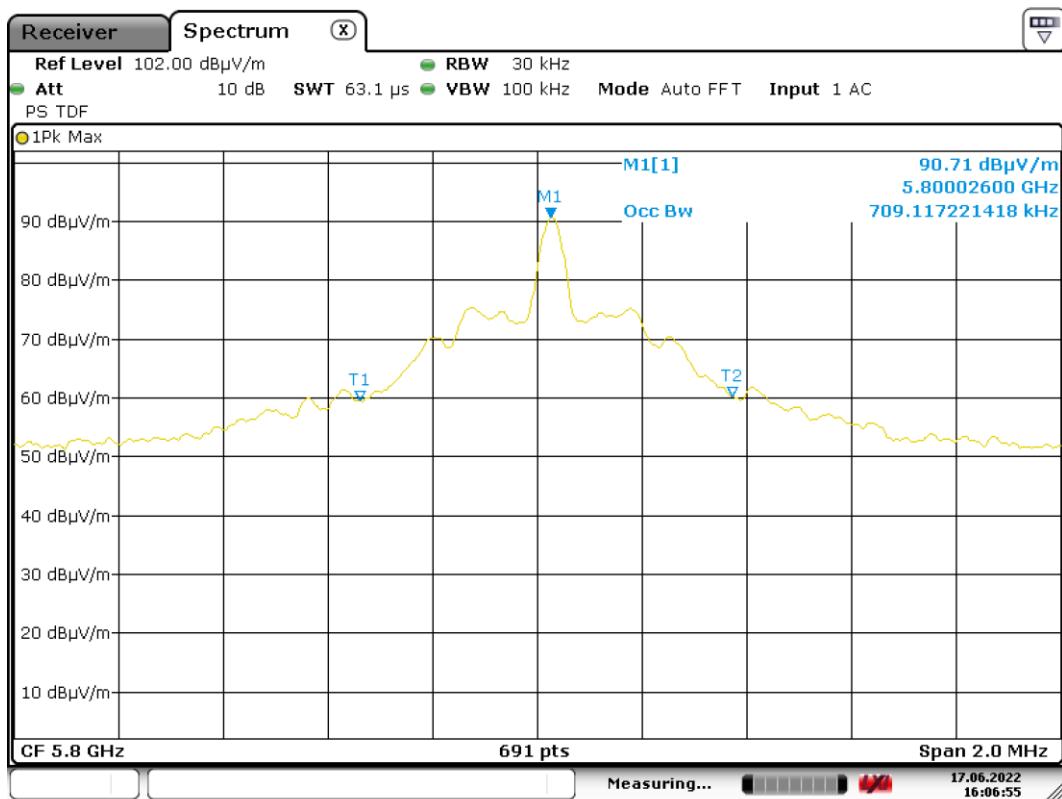


Date: 17.JUN.2022 16:32:42

DUT Frequency (MHz)	Antenna polarization	Occupied bandwidth 99% (kHz)	Result
5785	Vertical	697.53	PASS
5785	Horizontal	633.86	PASS

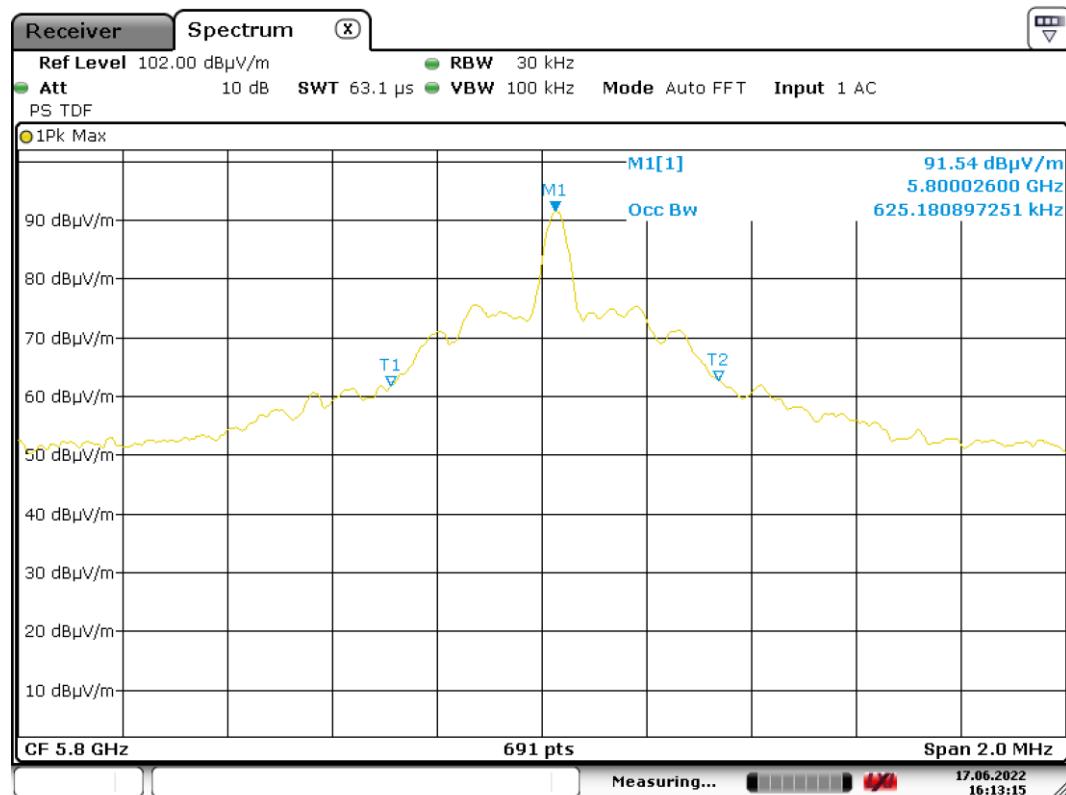
EUT:
Supply:
Operating modes:
Antenna Polarization:

Wine climate cabinet
Uin: 120 V, 60 Hz
Proximity sensor turned on
Vertical



Date: 17.JUN.2022 16:06:55

EUT: Wine climate cabinet
 Supply: Uin: 120 V, 60 Hz
 Operating modes: Proximity sensor turned on
 Antenna Polarization: Horizontal

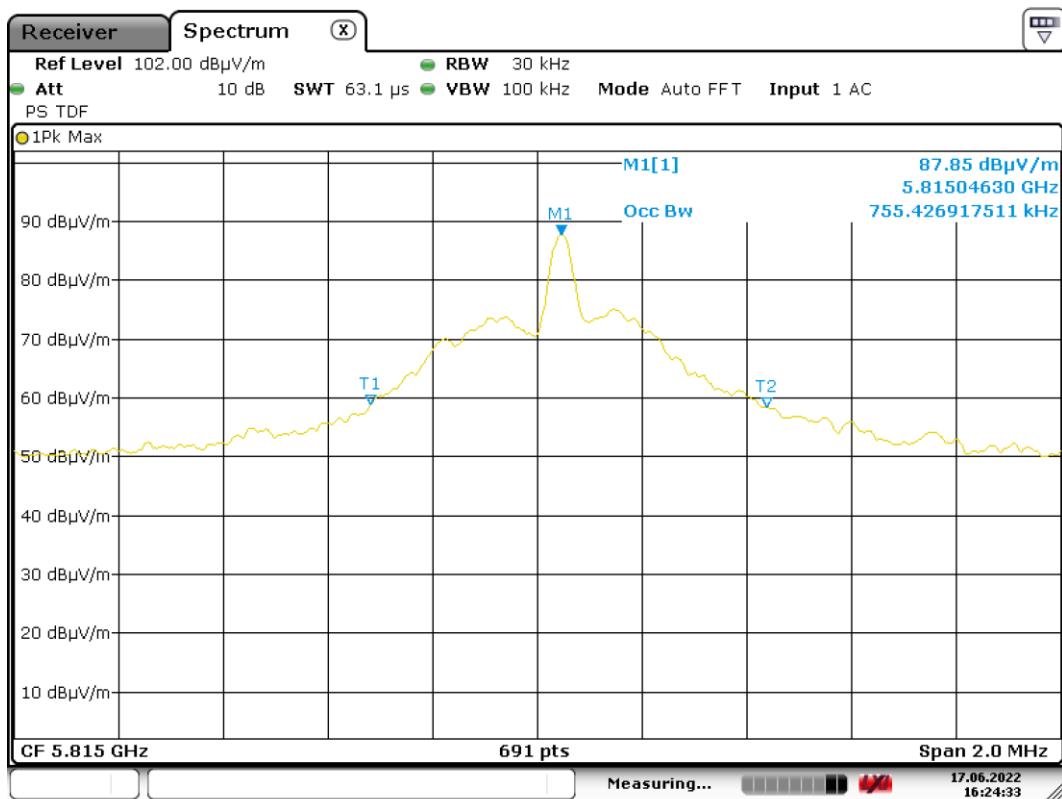


Date: 17.JUN.2022 16:13:16

DUT Frequency (MHz)	Antenna polarization	Occupied bandwidth 99% (kHz)	Result
5800	Vertical	709.11	PASS
5800	Horizontal	625.18	PASS

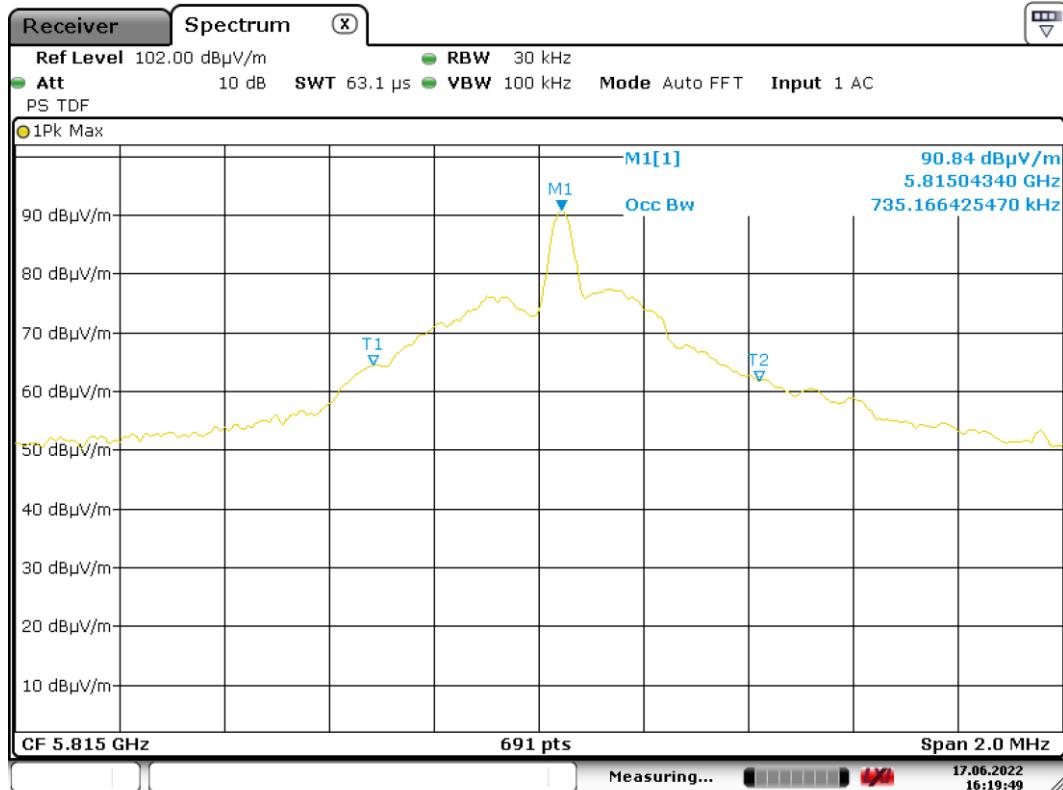
EUT:
Supply:
Operating modes:
Antenna Polarization:

Wine climate cabinet
Uin: 120 V, 60 Hz
Proximity sensor turned on
Vertical



Date: 17.JUN.2022 16:24:33

EUT: Wine climate cabinet
 Supply: Uin: 120 V, 60 Hz
 Operating modes: Proximity sensor turned on
 Antenna Polarization: Horizontal



Date: 17.JUN.2022 16:19:50

DUT Frequency (MHz)	Antenna polarization	Occupied bandwidth 99% (kHz)	Result
5815	Vertical	755.42	PASS
5815	Horizontal	735.16	PASS