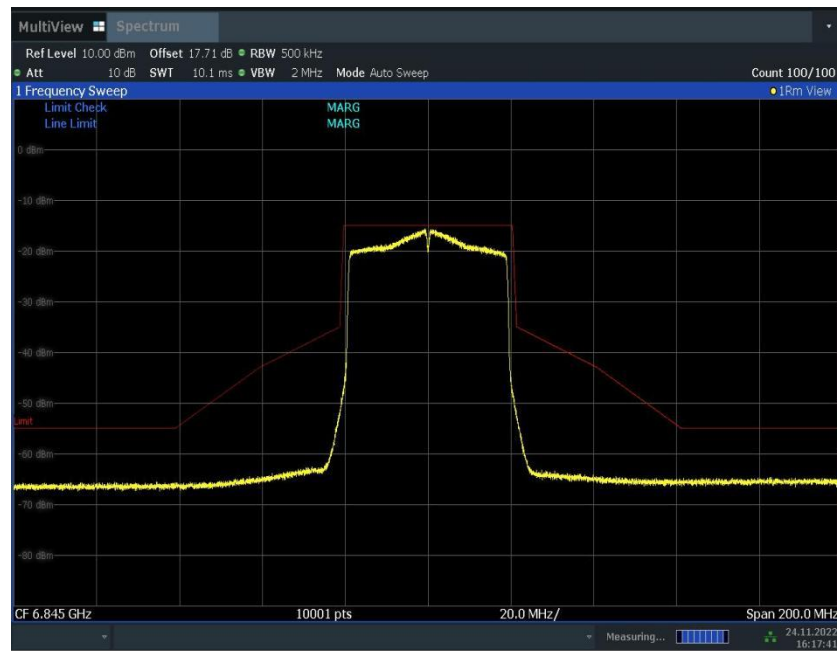


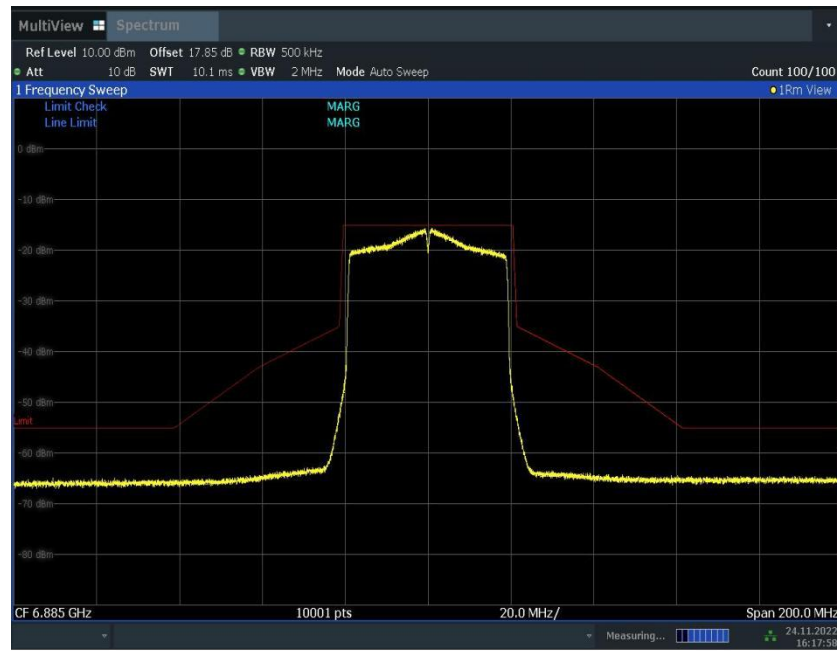
16:11:23 15.11.2022

**Fig.113 In-Band Emissions (802.11ax-HE40, 6685MHz)**



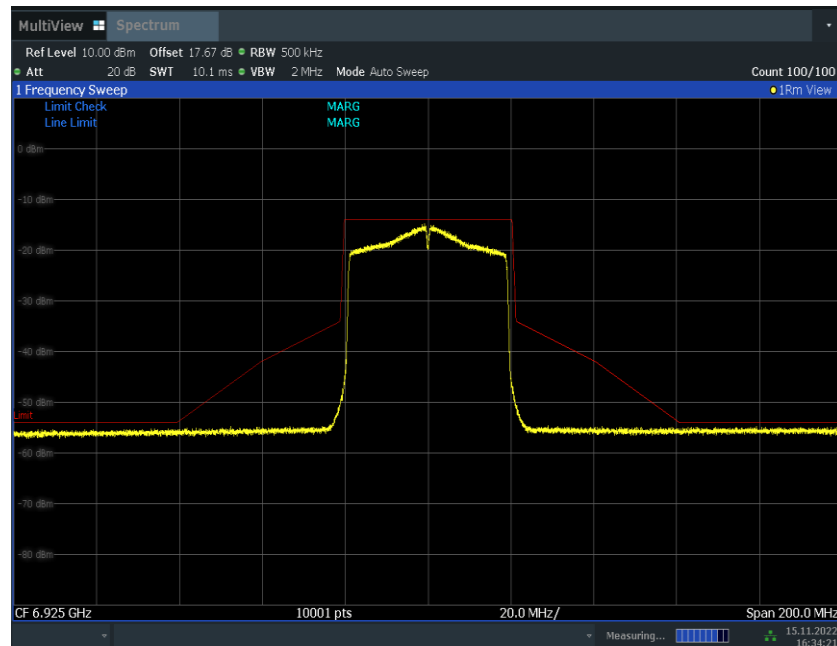
16:17:41 24.11.2022

**Fig.114 In-Band Emissions (802.11ax-HE40, 6845MHz)**



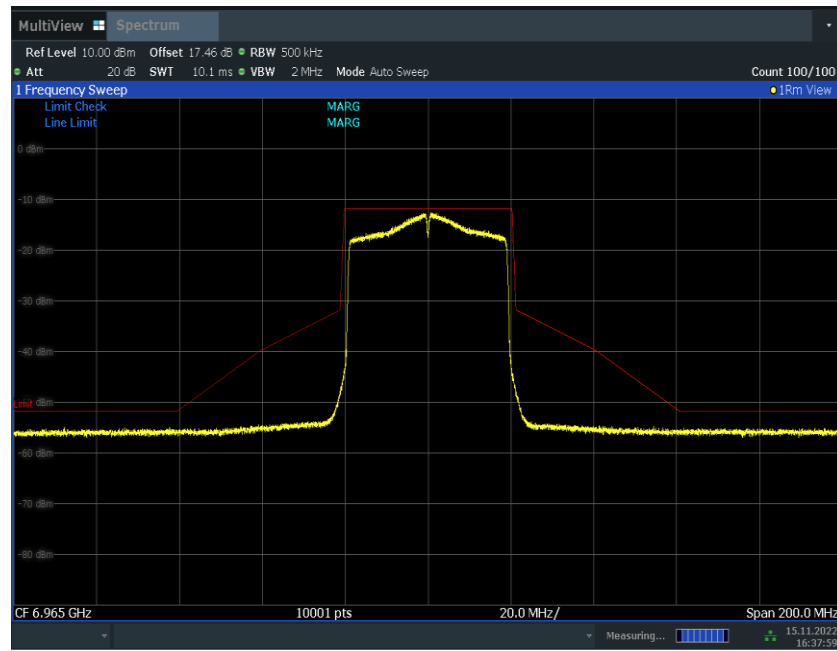
16:17:59 24.11.2022

**Fig.115 In-Band Emissions (802.11ax-HE40, 6885MHz)**



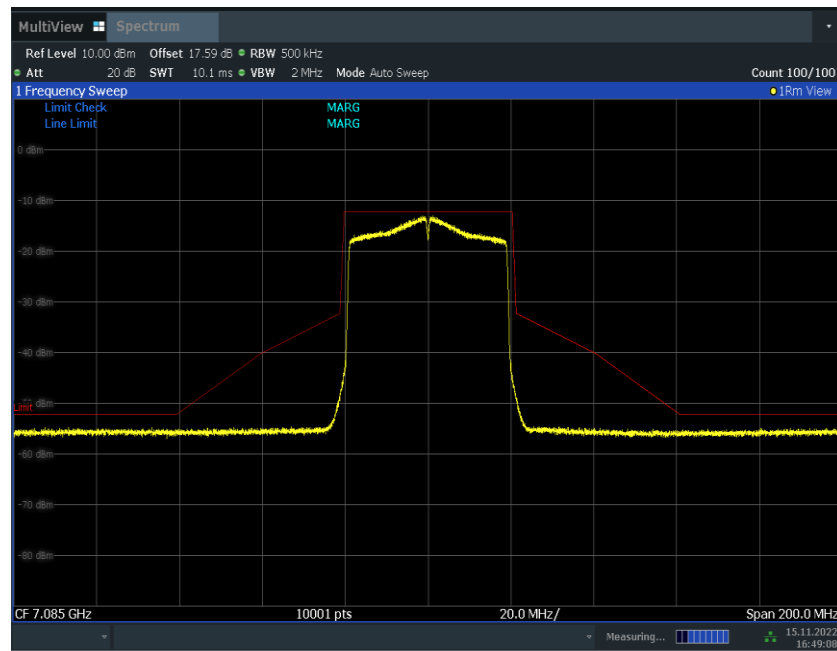
16:34:22 15.11.2022

**Fig.116 In-Band Emissions (802.11ax-HE40, 6925MHz)**



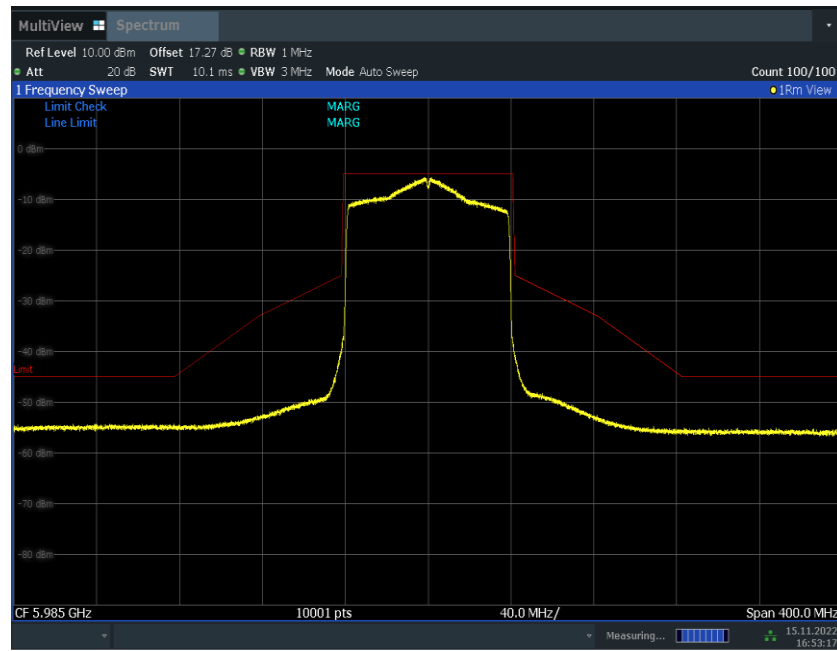
16:38:00 15.11.2022

**Fig.117 In-Band Emissions (802.11ax-HE40, 6965MHz)**



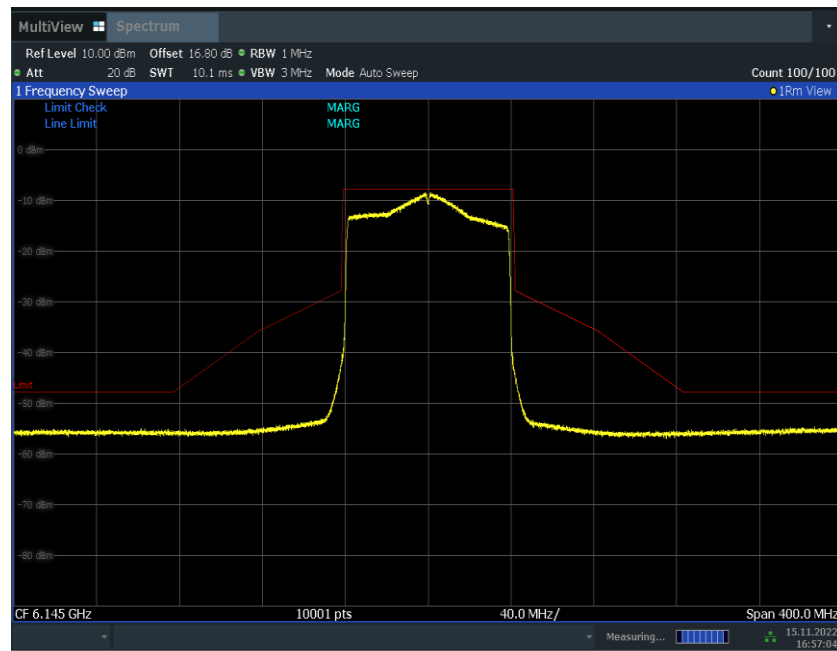
16:49:09 15.11.2022

**Fig.118 In-Band Emissions (802.11ax-HE40, 7085MHz)**



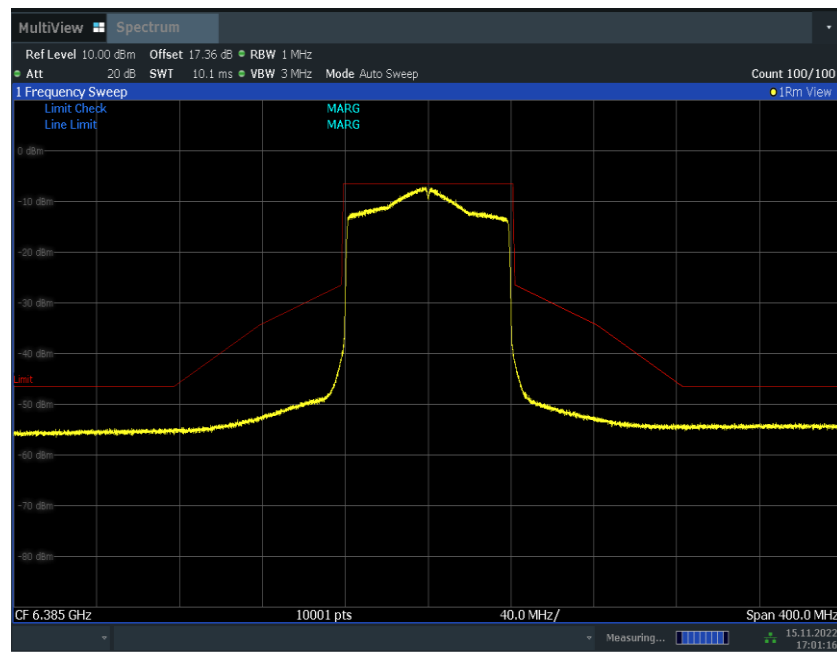
16:53:17 15.11.2022

**Fig.119 In-Band Emissions (802. 11ax-HE80, 5985MHz)**

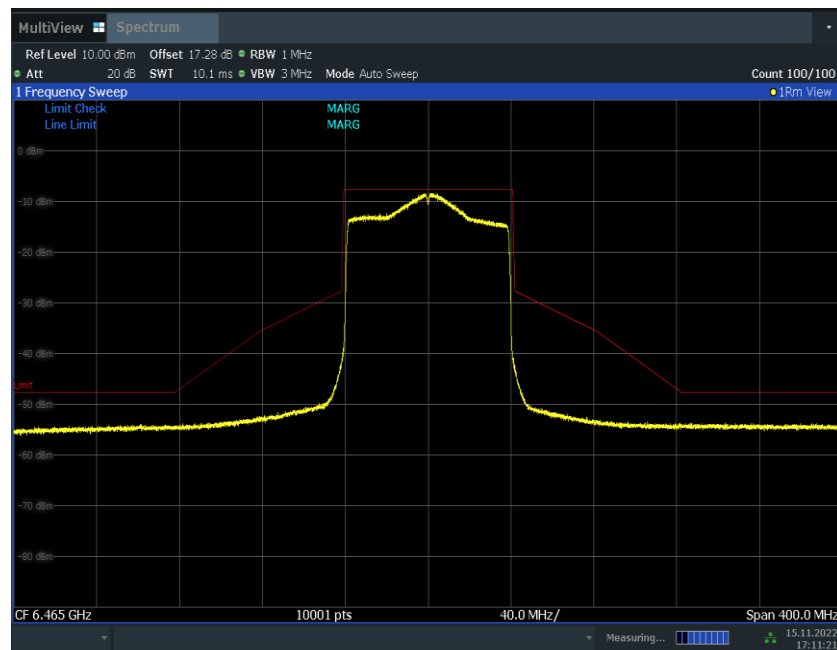


16:57:04 15.11.2022

**Fig.120 In-Band Emissions (802. 11ax-HE80, 6145MHz)**

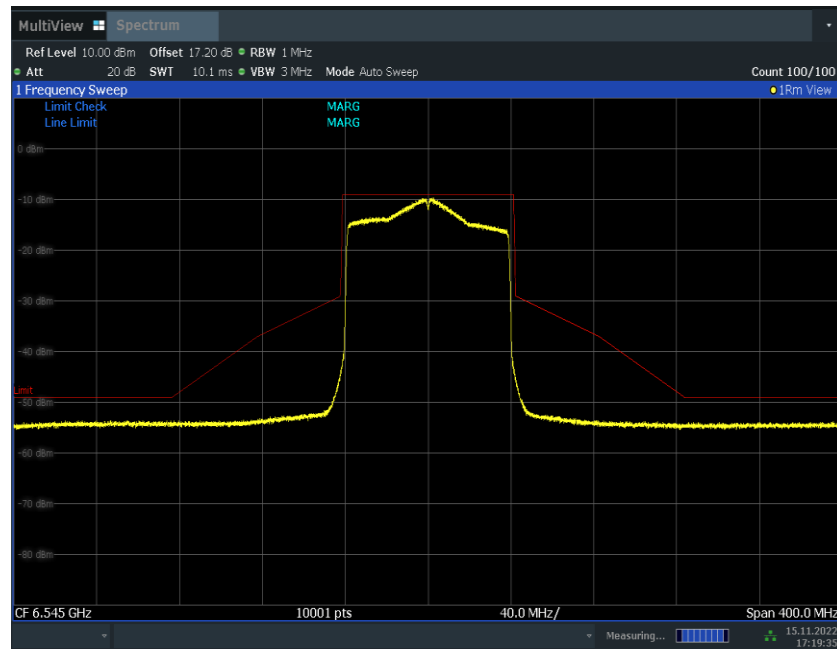


17:01:17 15.11.2022

**Fig.121 In-Band Emissions (802. 11ax-HE80, 6385MHz)**

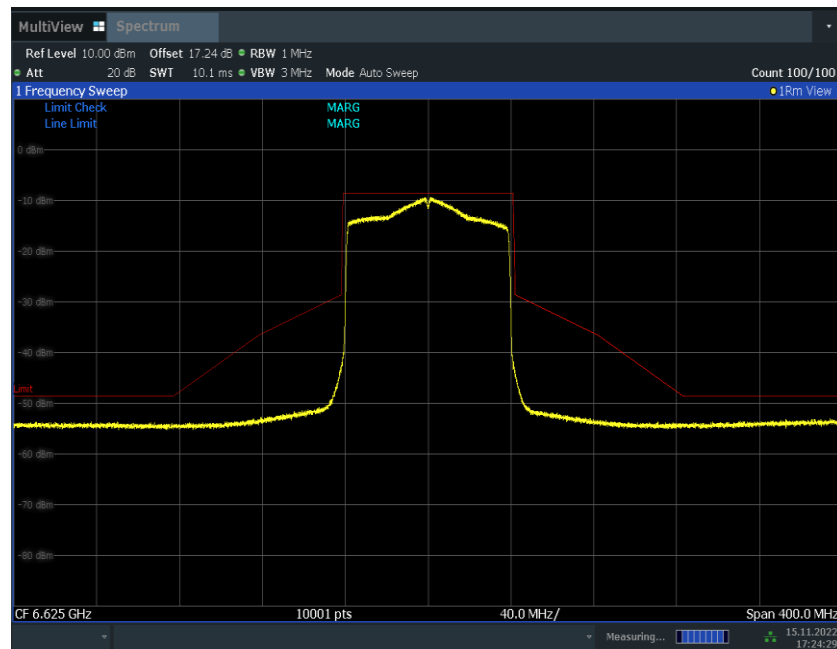
17:11:21 15.11.2022

**Fig.122 In-Band Emissions (802. 11ax-HE80, 6465MHz)**



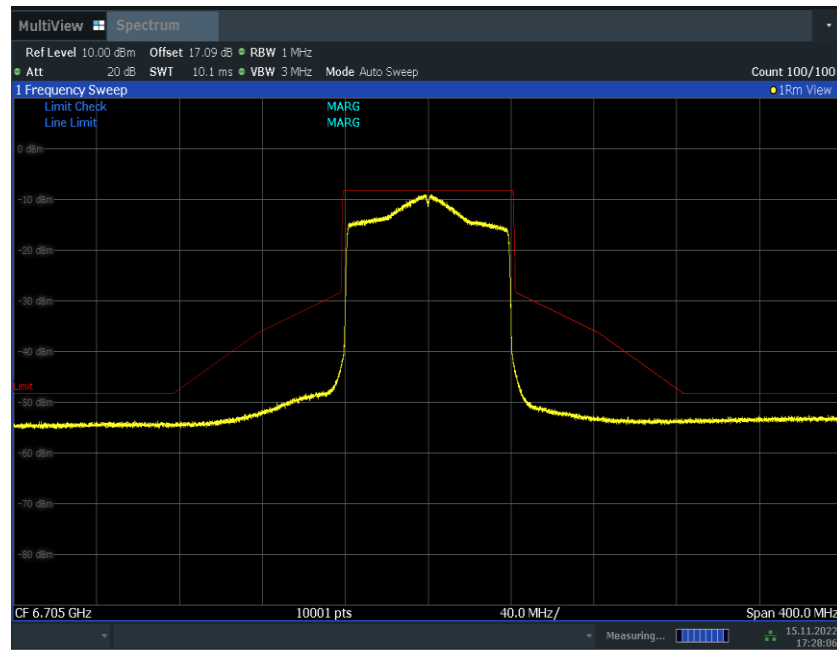
17:19:36 15.11.2022

**Fig.123 In-Band Emissions (802. 11ax-HE80, 6545MHz)**



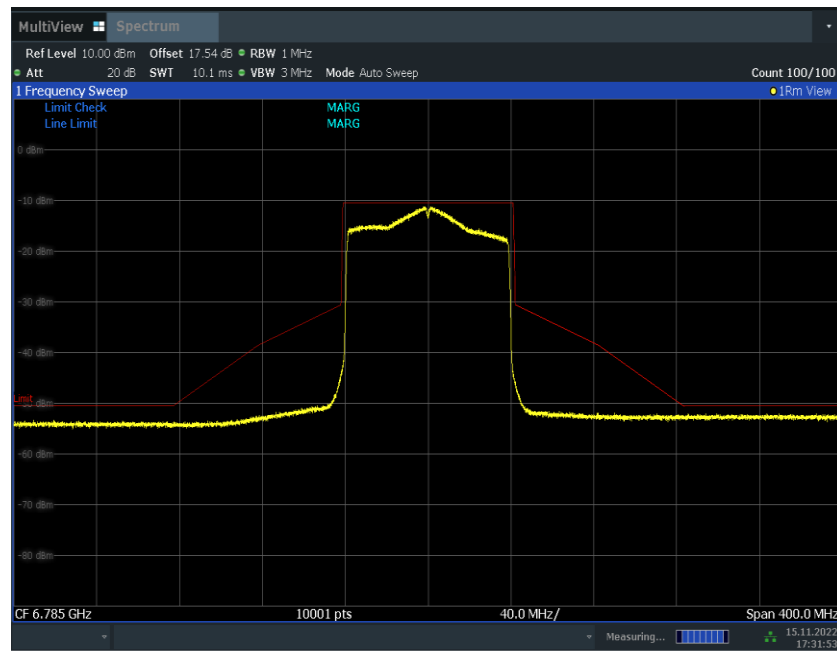
17:24:30 15.11.2022

**Fig.124 In-Band Emissions (802. 11ax-HE80, 6625MHz)**



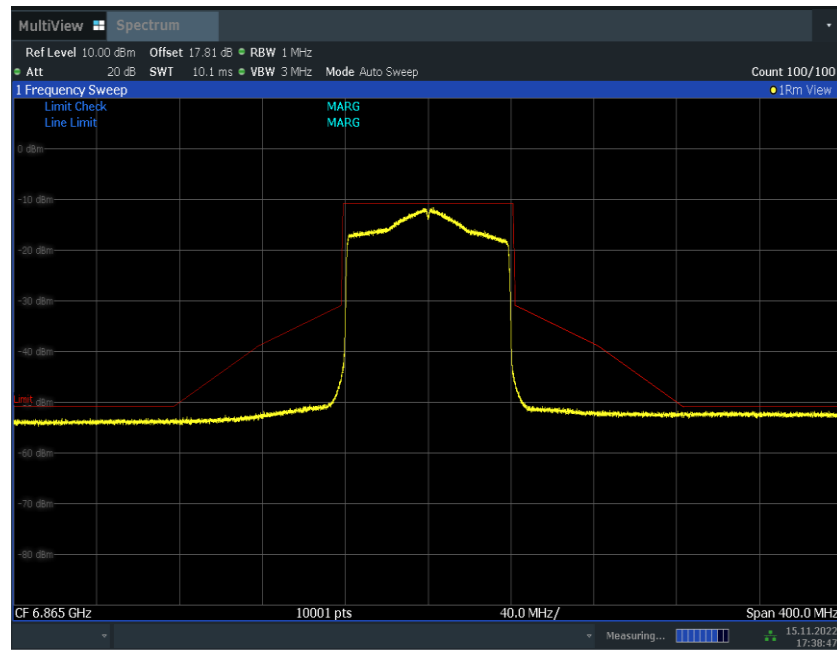
17:28:07 15.11.2022

**Fig.125 In-Band Emissions (802. 11ax-HE80, 6705MHz)**



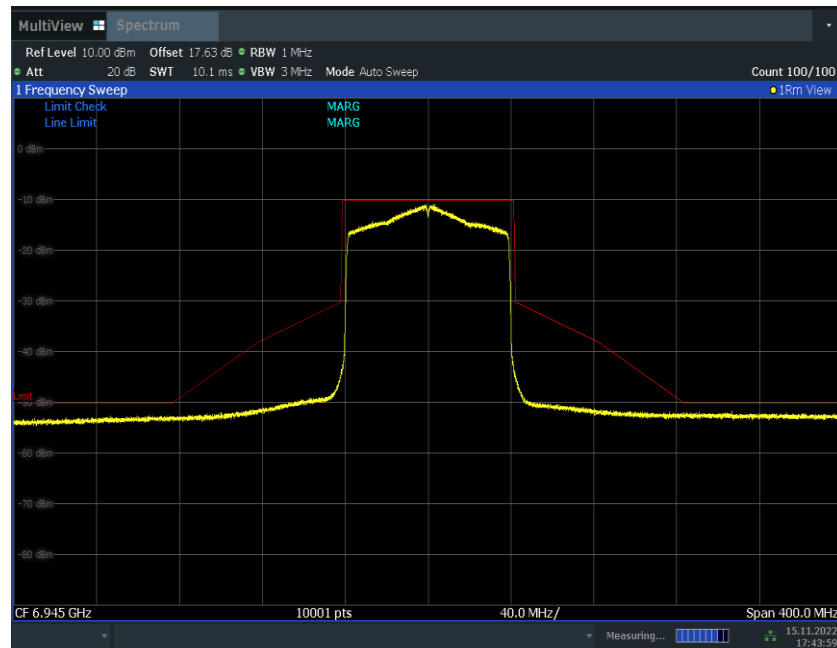
17:31:53 15.11.2022

**Fig.126 In-Band Emissions (802. 11ax-HE80, 6785MHz)**



17:38:48 15.11.2022

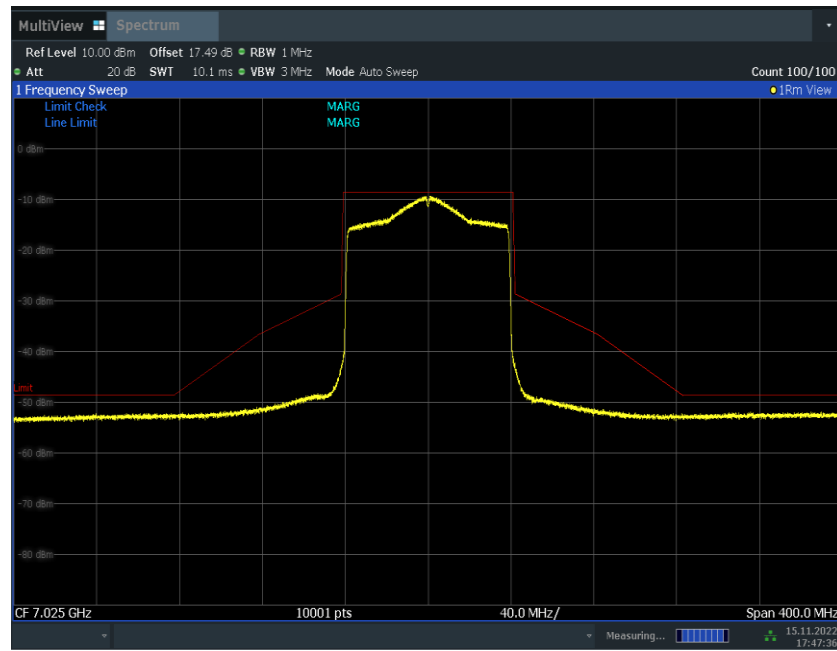
**Fig.127 In-Band Emissions (802. 11ax-HE80, 6865MHz)**



17:43:59 15.11.2022

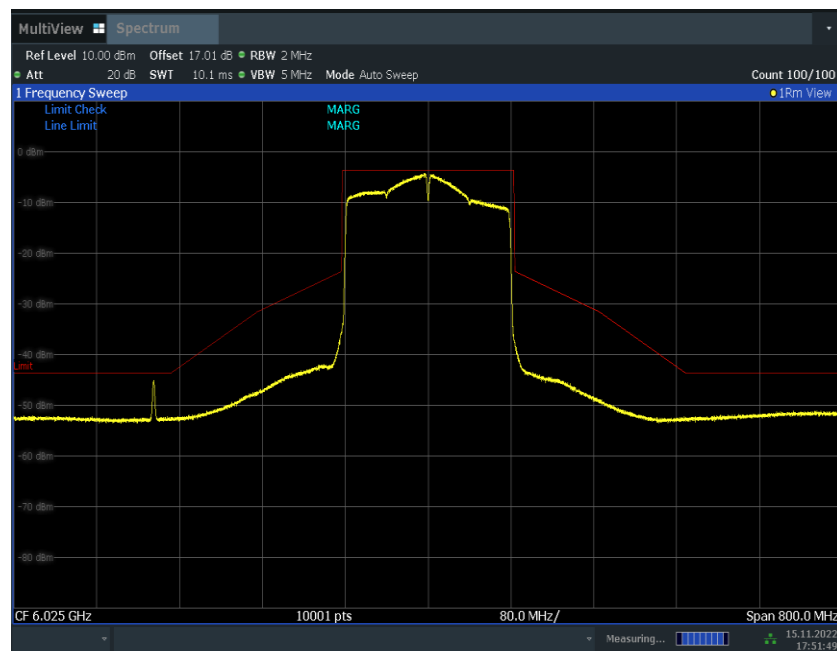
**Fig.128 In-Band Emissions (802. 11ax-HE80, 6945MHz)**





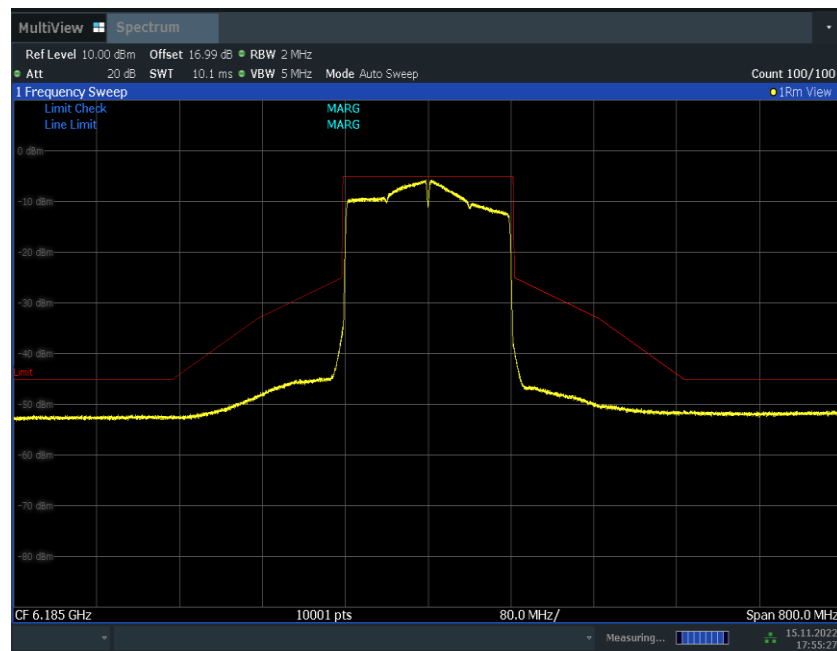
17:47:36 15.11.2022

**Fig.129 In-Band Emissions (802. 11ax-HE80, 7025MHz)**



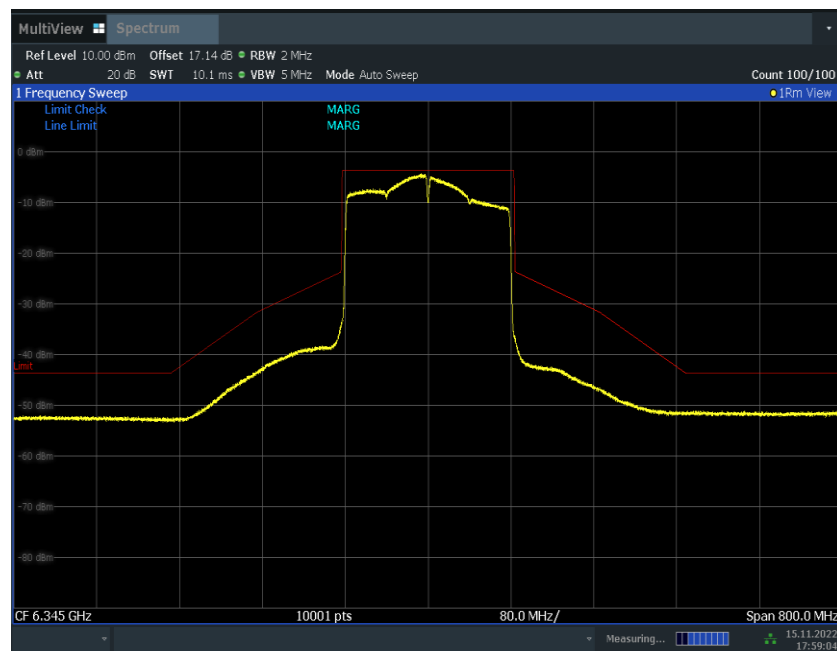
17:51:49 15.11.2022

**Fig.130 In-Band Emissions (802. 11ax-HE160, 6025MHz)**



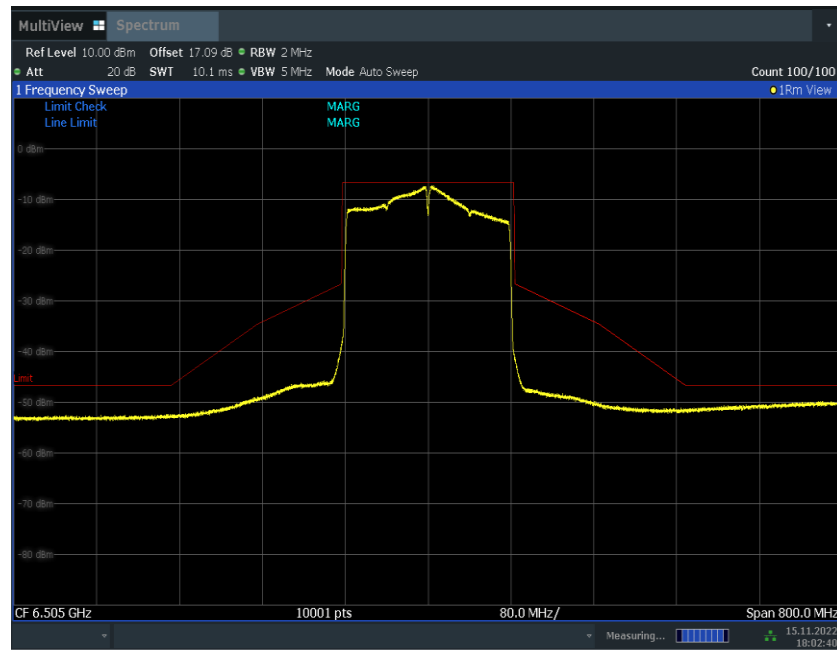
17:55:28 15.11.2022

**Fig.131 In-Band Emissions (802. 11ax-HE160, 6185MHz)**



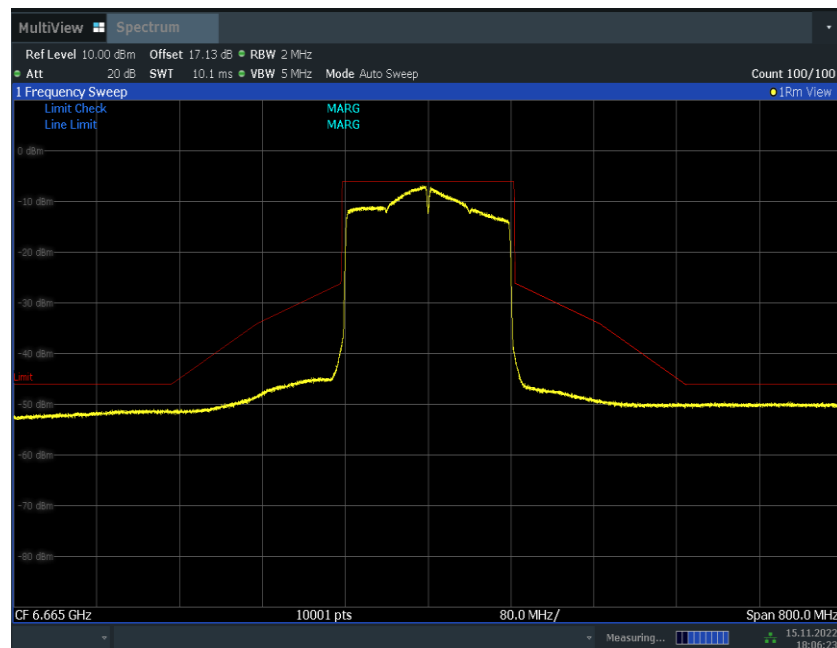
17:59:04 15.11.2022

**Fig.132 In-Band Emissions (802. 11ax-HE160, 6345MHz)**



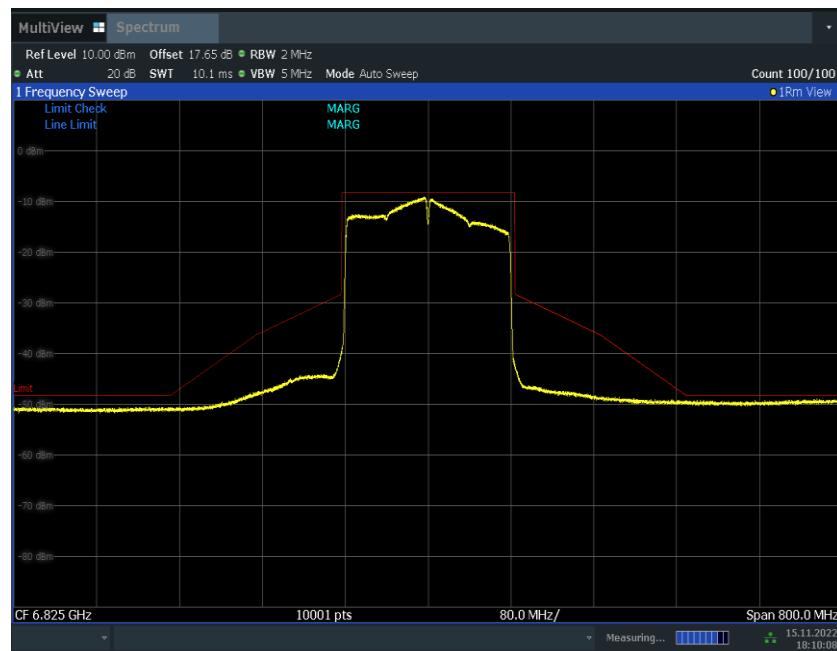
18:02:40 15.11.2022

**Fig.133 In-Band Emissions (802. 11ax-HE160, 6505MHz)**



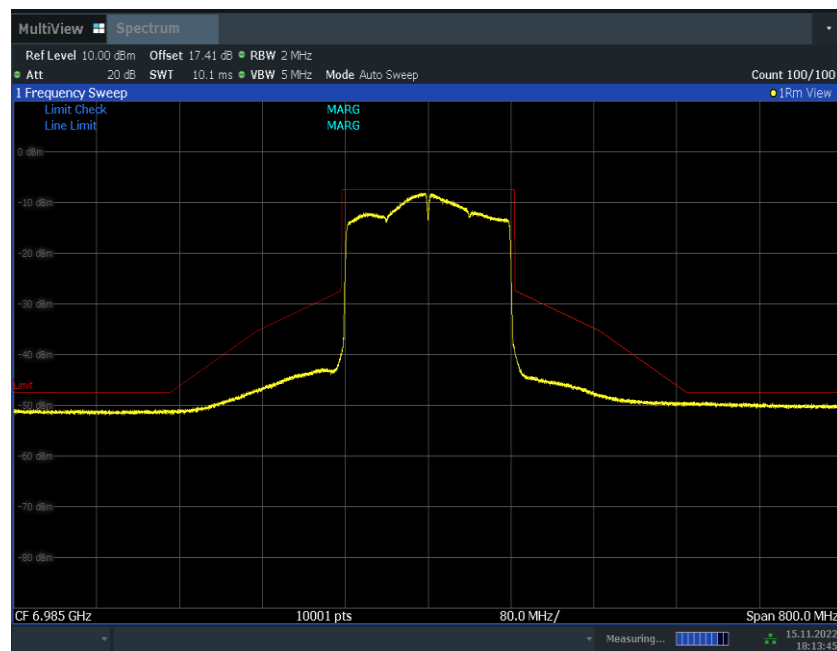
18:06:24 15.11.2022

**Fig.134 In-Band Emissions (802. 11ax-HE160, 6665MHz)**



18:10:09 15.11.2022

**Fig.135 In-Band Emissions (802. 11ax-HE160, 6825MHz)**



18:13:46 15.11.2022

**Fig.136 In-Band Emissions (802. 11ax-HE160 6985MHz)**

## A.8. Transmitter Spurious Emission

### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

The measurement is made according to KDB 789033 and 987594

### Limit in restricted band:

Frequency of emission (MHz)	Field strength(dBμV/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

### Measurement uncertainty:

Expanded measurement uncertainty for this test item is U =3.9dB, k=2.

### Measurement Results:

**Conclusion: PASS**

### Note:

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

$P_{Mea}$  is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result= $P_{Mea}+A_{Rpl}= P_{Mea}+Cable\ Loss+Antenna\ Factor$

### AVERAGE Results:

#### 802.11ax-20M

Channel 1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17968.950	42.17	-29.50	46.00	25.75	54.00	11.83	H
17991.450	42.10	-29.50	46.00	25.66	54.00	11.90	V
11910.150	36.09	-32.20	40.50	27.76	54.00	17.91	V
12691.350	35.95	-31.40	38.20	29.30	54.00	18.05	H
5914.396	42.81	-27.10	34.90	35.05	68.30	25.49	V
5911.008	42.49	-27.10	34.80	34.75	68.30	25.81	V

## Channel 45

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17981.100	42.05	-29.50	46.00	25.62	54.00	11.95	V
17968.500	41.58	-29.50	46.00	25.16	54.00	12.42	H
11907.000	35.98	-32.20	40.50	27.66	54.00	18.02	V
11844.000	35.90	-32.30	40.30	28.61	54.00	18.10	V
11399.400	35.42	-32.80	39.30	29.13	54.00	18.58	H
11449.800	35.18	-33.10	39.40	28.54	54.00	18.82	H

## Channel 93

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.950	41.79	-29.50	46.00	25.38	54.00	12.21	H
17979.300	41.40	-29.50	46.00	24.97	54.00	12.60	V
12688.650	36.20	-31.50	38.20	29.53	54.00	17.80	V
11872.350	36.16	-32.20	40.40	27.99	54.00	17.84	V
11407.050	35.29	-32.80	39.30	28.74	54.00	18.71	V
11380.500	35.27	-32.90	39.20	29.06	54.00	18.73	V

## Channel 97

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17940.600	41.45	-29.60	45.90	25.26	54.00	12.55	H
17976.600	41.42	-29.50	46.00	24.99	54.00	12.58	H
12681.900	35.94	-31.50	38.30	29.25	54.00	18.06	H
12688.200	35.88	-31.50	38.20	29.21	54.00	18.12	V
11394.450	35.55	-32.80	39.30	29.28	54.00	18.45	V
11397.150	35.13	-32.80	39.30	28.85	54.00	18.87	H

## Channel 105

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17923.950	41.26	-29.60	45.90	25.09	54.00	12.74	H
17970.750	41.20	-29.50	46.00	24.78	54.00	12.80	V
11889.450	35.69	-32.20	40.50	27.46	54.00	18.31	V
12682.350	35.65	-31.50	38.30	28.96	54.00	18.35	V
11403.000	35.33	-32.80	39.30	28.78	54.00	18.67	H

11275.650	35.32	-32.70	38.90	29.23	54.00	18.68	V
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## Channel 113

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17971.650	41.76	-29.50	46.00	25.34	54.00	12.24	V
17986.050	41.24	-29.50	46.00	24.80	54.00	12.76	H
12697.650	36.07	-31.40	38.20	29.44	54.00	17.93	V
12691.800	35.83	-31.40	38.20	29.18	54.00	18.17	H
11401.200	35.38	-32.80	39.30	28.84	54.00	18.62	V
11389.950	35.14	-32.80	39.30	28.89	54.00	18.86	V

## Channel 117

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.500	41.45	-29.50	46.00	25.04	54.00	12.55	H
17993.700	41.27	-29.40	46.00	24.83	54.00	12.73	H
12694.050	35.81	-31.40	38.20	29.17	54.00	18.19	H
12674.700	35.63	-31.50	38.30	28.91	54.00	18.37	V
11398.950	35.23	-32.80	39.30	28.95	54.00	18.77	V
11394.900	35.19	-32.80	39.30	28.92	54.00	18.81	V

## Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.450	41.27	-29.50	46.00	24.85	54.00	12.73	H
17969.400	41.26	-29.50	46.00	24.84	54.00	12.74	V
12699.900	35.75	-31.40	38.20	29.13	54.00	18.25	H
12691.800	35.67	-31.40	38.20	29.02	54.00	18.33	H
11295.450	35.26	-32.70	38.90	29.13	54.00	18.74	V
11379.600	35.25	-32.90	39.20	29.04	54.00	18.75	V

## Channel 181

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17953.200	41.13	-29.50	46.00	24.73	54.00	12.87	V
17986.500	41.12	-29.50	46.00	24.68	54.00	12.88	H
9193.050	36.82	-33.80	37.50	33.11	54.00	17.18	V

9193.500	35.77	-33.80	37.50	32.06	54.00	18.23	V
12670.650	35.63	-31.50	38.30	28.89	54.00	18.37	V
12686.400	35.55	-31.50	38.20	28.88	54.00	18.45	H

## Channel 189

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.800	41.65	-29.50	46.00	25.24	54.00	12.35	V
17968.050	41.41	-29.50	46.00	24.99	54.00	12.59	V
9193.050	37.03	-33.80	37.50	33.32	54.00	16.97	V
12689.100	36.23	-31.50	38.20	29.57	54.00	17.77	H
9193.500	36.07	-33.80	37.50	32.36	54.00	17.93	V
12690.900	35.41	-31.40	38.20	28.75	54.00	18.59	V

## Channel 205

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17995.950	41.12	-29.40	46.00	24.68	54.00	12.88	H
17964.000	41.09	-29.50	46.00	24.68	54.00	12.91	V
9193.050	36.73	-33.80	37.50	33.02	54.00	17.27	V
12688.650	35.71	-31.50	38.20	29.04	54.00	18.29	H
12699.900	35.58	-31.40	38.20	28.96	54.00	18.42	V
9193.500	35.51	-33.80	37.50	31.80	54.00	18.49	V

## Channel 233

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17956.350	41.19	-29.50	46.00	24.78	54.00	12.81	V
17960.850	41.07	-29.50	46.00	24.66	54.00	12.93	V
9486.450	38.58	-33.30	37.80	34.31	54.00	15.42	V
9486.000	37.94	-33.30	37.80	33.67	54.00	16.06	V
7125.000	56.01	-26.10	36.90	45.51	68.30	12.29	H
7125.014	55.76	-26.10	36.90	45.26	68.30	12.54	H



**802.11ax-40M**

## Channel 3

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17959.950	41.20	-29.50	46.00	24.79	54.00	12.80	V
17969.400	41.19	-29.50	46.00	24.77	54.00	12.81	H
12675.150	36.07	-31.50	38.30	29.35	54.00	17.93	V
12697.650	35.87	-31.40	38.20	29.24	54.00	18.13	V
5899.150	42.47	-27.10	34.80	35.37	68.30	25.83	V
5915.796	42.36	-27.10	34.90	34.60	68.30	25.94	H

## Channel 43

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17968.950	41.28	-29.50	46.00	24.86	54.00	12.72	H
17975.250	41.26	-29.50	46.00	24.84	54.00	12.74	V
12699.900	35.89	-31.40	38.20	29.27	54.00	18.11	H
12689.100	35.72	-31.50	38.20	29.06	54.00	18.28	V
11391.300	35.12	-32.80	39.30	28.87	54.00	18.88	V
11376.450	35.08	-32.90	39.20	28.89	54.00	18.92	V

## Channel 91

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.000	41.28	-29.50	46.00	24.84	54.00	12.72	H
17971.200	41.15	-29.50	46.00	24.73	54.00	12.85	H
11765.250	35.60	-32.30	40.10	27.50	54.00	18.40	H
12698.100	35.60	-31.40	38.20	28.97	54.00	18.40	V
11394.000	35.20	-32.80	39.30	28.94	54.00	18.80	V
11382.750	35.12	-32.90	39.20	28.90	54.00	18.88	V

## Channel 99

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17981.550	41.30	-29.50	46.00	24.87	54.00	12.70	V
17980.650	41.14	-29.50	46.00	24.71	54.00	12.86	V
12689.550	35.74	-31.50	38.20	29.08	54.00	18.26	V
12682.350	35.60	-31.50	38.30	28.91	54.00	18.40	H
11398.950	35.32	-32.80	39.30	29.04	54.00	18.68	V
11396.700	35.22	-32.80	39.30	28.95	54.00	18.78	V

## Channel 107

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.550	41.71	-29.50	46.00	25.29	54.00	12.29	H
17973.450	41.35	-29.50	46.00	24.93	54.00	12.65	H
11868.750	35.76	-32.20	40.40	27.61	54.00	18.24	H
11379.600	35.60	-32.90	39.20	29.39	54.00	18.40	V
12698.550	35.55	-31.40	38.20	28.92	54.00	18.45	V
11384.100	35.24	-32.80	39.20	29.02	54.00	18.76	V

## Channel 123

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17978.400	41.67	-29.50	46.00	25.24	54.00	12.33	H
17972.550	41.19	-29.50	46.00	24.77	54.00	12.81	V
12699.450	35.91	-31.40	38.20	29.29	54.00	18.09	H
11789.550	35.65	-32.80	40.20	27.50	54.00	18.35	V
11400.300	35.25	-32.80	39.30	28.71	54.00	18.75	V
11401.200	35.23	-32.80	39.30	28.69	54.00	18.77	H

## Channel 155

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17981.100	41.33	-29.50	46.00	24.90	54.00	12.67	V
17970.300	41.30	-29.50	46.00	24.88	54.00	12.70	V
11403.450	35.65	-32.80	39.30	29.10	54.00	18.35	V
11791.350	35.62	-32.80	40.20	27.46	54.00	18.38	V
11850.300	35.60	-32.20	40.30	27.52	54.00	18.40	V

11400.300	35.32	-32.80	39.30	28.78	54.00	18.68	H
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## Channel 179

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17994.600	41.23	-29.40	46.00	24.79	54.00	12.77	H
17992.800	41.13	-29.40	46.00	24.69	54.00	12.87	H
12697.200	35.67	-31.40	38.20	29.04	54.00	18.33	V
11772.450	35.64	-32.50	40.10	27.52	54.00	18.36	V
11400.300	35.20	-32.80	39.30	28.66	54.00	18.80	H
11398.500	35.18	-32.80	39.30	28.90	54.00	18.82	H

## Channel 195

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.350	41.42	-29.50	46.00	25.01	54.00	12.58	H
17989.650	41.38	-29.50	46.00	24.94	54.00	12.62	V
12671.550	35.92	-31.50	38.30	29.19	54.00	18.08	V
12697.650	35.59	-31.40	38.20	28.96	54.00	18.41	V
11394.450	35.33	-32.80	39.30	29.06	54.00	18.67	V
11393.100	35.31	-32.80	39.30	29.05	54.00	18.69	V

## Channel 211

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.450	41.26	-29.50	46.00	24.85	54.00	12.74	V
17991.000	41.13	-29.50	46.00	24.69	54.00	12.87	V
9339.750	36.61	-33.80	37.90	32.66	54.00	17.39	V
12174.750	35.95	-32.00	40.00	27.75	54.00	18.05	H
11865.600	35.79	-32.20	40.40	27.65	54.00	18.21	V
11396.250	35.38	-32.80	39.30	29.11	54.00	18.62	H

## Channel 227

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17968.500	41.20	-29.50	46.00	24.78	54.00	12.80	H
17967.150	41.12	-29.50	46.00	24.70	54.00	12.88	H
9339.750	36.87	-33.80	37.90	32.92	54.00	17.13	V
9339.300	36.16	-33.80	37.90	32.21	54.00	17.84	V

7225.954	46.34	-25.90	37.30	35.04	68.30	21.96	V
7228.810	46.28	-25.90	37.30	34.96	68.30	22.02	V

**802.11ax-80M**

## Channel 7

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.400	41.16	-29.50	46.00	24.74	54.00	12.84	H
17970.300	41.07	-29.50	46.00	24.65	54.00	12.93	V
11378.250	35.73	-32.90	39.20	29.53	54.00	18.27	V
12681.900	35.69	-31.50	38.30	29.00	54.00	18.31	V
5919.548	42.68	-27.10	34.90	34.90	68.30	25.62	H
5909.216	42.56	-27.10	34.80	34.82	68.30	25.74	V

## Channel 39

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.250	41.15	-29.50	46.00	24.73	54.00	12.85	V
17977.950	41.02	-29.50	46.00	24.59	54.00	12.98	V
12699.450	36.15	-31.40	38.20	29.53	54.00	17.85	V
12699.000	35.72	-31.40	38.20	29.10	54.00	18.28	H
11403.000	35.32	-32.80	39.30	28.77	54.00	18.68	V
11296.800	35.10	-32.60	38.90	28.96	54.00	18.90	V

## Channel 87

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.450	41.29	-29.50	46.00	24.88	54.00	12.71	H
17984.250	41.23	-29.50	46.00	24.80	54.00	12.77	V
12688.200	35.60	-31.50	38.20	28.93	54.00	18.40	H
12658.500	35.59	-31.60	38.40	28.80	54.00	18.41	V
11382.750	35.40	-32.90	39.20	29.18	54.00	18.60	V
11399.850	35.15	-32.80	39.30	28.86	54.00	18.85	V

## Channel 103

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.550	41.18	-29.50	46.00	24.77	54.00	12.82	H
17965.800	40.98	-29.50	46.00	24.57	54.00	13.02	H
12691.350	35.64	-31.40	38.20	28.99	54.00	18.36	V
12679.650	35.52	-31.50	38.30	28.82	54.00	18.48	H
11403.450	35.34	-32.80	39.30	28.79	54.00	18.66	H
11373.750	35.32	-32.90	39.20	29.14	54.00	18.68	H

## Channel 135

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17973.450	41.42	-29.50	46.00	25.00	54.00	12.58	V
17968.950	41.15	-29.50	46.00	24.73	54.00	12.85	V
11746.800	35.80	-32.10	40.10	28.81	54.00	18.20	V
12618.450	35.77	-31.40	38.50	28.52	54.00	18.23	V
11384.550	35.27	-32.80	39.20	29.04	54.00	18.73	H
11397.600	35.22	-32.80	39.30	28.94	54.00	18.78	V

## Channel 151

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17976.600	41.24	-29.50	46.00	24.81	54.00	12.76	V
17977.500	41.18	-29.50	46.00	24.75	54.00	12.82	V
11868.750	35.56	-32.20	40.40	27.41	54.00	18.44	H
12698.550	35.55	-31.40	38.20	28.92	54.00	18.45	H
11403.900	35.12	-32.80	39.30	28.57	54.00	18.88	H
11397.150	35.11	-32.80	39.30	28.83	54.00	18.89	V

## Channel 167

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17977.500	40.98	-29.50	46.00	24.55	54.00	13.02	H
17979.300	40.97	-29.50	46.00	24.54	54.00	13.03	V
12698.100	35.83	-31.40	38.20	29.20	54.00	18.17	V
12682.350	35.77	-31.50	38.30	29.08	54.00	18.23	V
11391.750	35.48	-32.80	39.30	29.23	54.00	18.52	V
11217.600	35.18	-32.80	38.70	29.27	54.00	18.82	V

## Channel 199

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.350	41.14	-29.50	46.00	24.73	54.00	12.86	H
17978.850	41.06	-29.50	46.00	24.63	54.00	12.94	V
12681.450	35.75	-31.50	38.30	29.06	54.00	18.25	H
9002.250	35.60	-32.90	37.60	30.88	54.00	18.40	H
12691.800	35.54	-31.40	38.20	28.89	54.00	18.46	V
11380.050	35.15	-32.90	39.20	28.94	54.00	18.85	V

## Channel 215

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.750	41.53	-29.40	46.00	25.08	54.00	12.47	H
17959.050	40.99	-29.50	46.00	24.58	54.00	13.01	H
11835.000	35.78	-32.50	40.30	28.51	54.00	18.22	V
12610.800	35.77	-31.30	38.50	28.50	54.00	18.23	V
7222.686	46.05	-25.90	37.30	34.76	68.30	22.25	H
7229.287	46.05	-25.90	37.30	34.73	68.30	22.25	H

**802.11ax-160M**

## Channel 15

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.350	41.10	-29.50	46.00	24.67	54.00	12.90	V
17987.400	41.03	-29.50	46.00	24.59	54.00	12.97	V
12698.550	35.66	-31.40	38.20	29.03	54.00	18.34	V
12670.650	35.55	-31.50	38.30	28.81	54.00	18.45	V
5902.888	42.60	-27.10	34.80	34.89	68.30	25.70	H
5906.262	42.58	-27.10	34.80	34.85	68.30	25.72	V

## Channel 47

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17966.700	41.15	-29.50	46.00	24.73	54.00	12.85	V
17995.500	41.11	-29.40	46.00	24.67	54.00	12.89	V
12674.700	35.80	-31.50	38.30	29.08	54.00	18.20	V
11857.050	35.65	-32.20	40.30	27.55	54.00	18.35	H
11396.250	35.48	-32.80	39.30	29.21	54.00	18.52	V
11385.900	35.22	-32.80	39.20	28.99	54.00	18.78	H

## Channel 79

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17980.650	41.13	-29.50	46.00	24.70	54.00	12.87	H
17981.550	41.11	-29.50	46.00	24.68	54.00	12.89	V
12693.600	35.71	-31.40	38.20	29.06	54.00	18.29	H
12692.700	35.68	-31.40	38.20	29.03	54.00	18.32	V
11395.350	35.33	-32.80	39.30	29.06	54.00	18.67	V
11399.400	35.27	-32.80	39.30	28.98	54.00	18.73	V

## Channel 143

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.550	41.53	-29.50	46.00	25.12	54.00	12.47	V
17956.350	41.39	-29.50	46.00	24.98	54.00	12.61	H
11871.000	35.98	-32.20	40.40	27.82	54.00	18.02	V
12676.950	35.88	-31.50	38.30	29.17	54.00	18.12	V
11398.500	35.30	-32.80	39.30	29.02	54.00	18.70	V
11384.100	35.08	-32.80	39.20	28.86	54.00	18.92	H

## Channel 207

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17955.000	41.33	-29.50	46.00	24.93	54.00	12.67	V
17962.650	41.10	-29.50	46.00	24.69	54.00	12.90	H
12694.050	35.60	-31.40	38.20	28.96	54.00	18.40	V
12696.300	35.54	-31.40	38.20	28.91	54.00	18.46	H
7216.716	46.49	-26.00	37.30	35.22	68.30	21.81	V
7229.811	46.41	-25.90	37.30	35.09	68.30	21.89	H



**PEAK Results:**
**802.11ax-20M**

## Channel 1

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17937.450	53.95	-29.60	45.94	37.76	74.00	20.05	V
17552.250	52.70	-29.49	43.82	38.39	88.30	35.60	H
12782.250	47.27	-31.64	38.33	40.83	88.30	41.03	H
12708.900	47.05	-31.51	38.20	40.28	88.30	41.25	V
5912.702	54.26	-27.13	34.85	46.51	88.30	34.04	V
5911.372	54.20	-27.12	34.85	46.45	88.30	34.10	V

## Channel 45

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17955.900	52.89	-29.54	45.96	36.49	74.00	21.11	H
17631.000	52.85	-29.12	44.42	37.50	88.30	35.45	V
12992.400	47.36	-31.46	39.24	40.09	88.30	40.94	H
12874.950	46.73	-31.65	38.60	40.07	88.30	41.57	V
11177.100	45.97	-32.87	38.70	40.20	74.00	28.03	H
11325.150	45.95	-32.83	39.00	39.60	74.00	28.05	V

## Channel 93

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.400	52.24	-29.45	46.00	35.79	74.00	21.76	H
17950.500	52.17	-29.55	45.95	35.77	74.00	21.83	V
13014.450	46.91	-31.29	39.36	38.92	88.30	41.39	V
12195.450	46.79	-32.22	39.91	38.64	74.00	27.21	H
11263.050	45.79	-32.73	38.83	39.72	74.00	28.21	V
11386.350	45.63	-32.83	39.25	39.40	74.00	28.37	H

## Channel 97

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17261.100	52.11	-29.55	41.47	40.17	88.30	36.19	V
17633.250	52.10	-29.12	44.43	36.74	88.30	36.20	V
13058.550	48.20	-31.26	39.55	39.75	88.30	40.10	V
12688.650	47.08	-31.46	38.25	40.41	74.00	26.92	H
11357.100	45.96	-32.98	39.13	39.84	74.00	28.04	H
9524.700	45.90	-33.64	37.85	41.20	88.30	42.40	H

## Channel 105

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17966.700	52.15	-29.51	45.97	35.73	74.00	21.85	H
17588.250	51.87	-29.18	44.11	37.27	88.30	36.43	H
12878.100	46.67	-31.61	38.60	40.01	88.30	41.63	H
12786.750	46.62	-31.60	38.35	40.16	88.30	41.68	H
11383.200	46.36	-32.84	39.23	40.14	74.00	27.64	H
10614.600	45.80	-33.22	38.63	40.18	74.00	28.20	V

## Channel 113

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.900	51.78	-29.46	45.99	35.34	74.00	22.22	V
17921.250	51.62	-29.66	45.92	35.45	74.00	22.38	V
11457.000	46.95	-33.07	39.41	40.67	74.00	27.05	V
11398.950	46.77	-32.77	39.30	40.49	74.00	27.23	V
12795.300	46.70	-31.54	38.38	40.21	88.30	41.60	H
11011.050	46.45	-32.87	38.68	40.49	74.00	27.55	V

## Channel 117

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.250	52.50	-29.49	45.98	36.08	74.00	21.50	H
17949.600	51.96	-29.55	45.95	35.76	74.00	22.04	H
11790.000	46.80	-32.80	40.18	38.65	74.00	27.20	V
11328.750	46.31	-32.86	39.02	39.94	74.00	27.69	V
12792.600	46.25	-31.56	38.37	39.77	88.30	42.05	H
11299.050	46.07	-32.65	38.90	39.93	74.00	27.93	H

## Channel 149

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.850	52.19	-29.53	45.96	35.78	74.00	21.81	V
17619.300	51.69	-29.10	44.34	36.43	88.30	36.61	V
12779.100	46.86	-31.66	38.32	40.43	88.30	41.44	H
12678.300	46.56	-31.49	38.29	39.85	74.00	27.44	H
11274.300	46.00	-32.70	38.85	39.91	74.00	28.00	H
11386.350	45.65	-32.83	39.25	39.42	74.00	28.35	V

## Channel 181

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.800	51.91	-29.47	45.98	35.48	74.00	22.09	V
17935.650	51.72	-29.61	45.94	35.53	74.00	22.28	H
12867.750	46.94	-31.73	38.60	40.28	88.30	41.36	V
12737.250	46.87	-31.77	38.20	40.10	88.30	41.43	H
11257.200	46.45	-32.74	38.81	40.39	74.00	27.55	V
11187.450	45.89	-32.85	38.70	40.12	74.00	28.11	V

## Channel 189

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17988.750	51.91	-29.46	45.99	35.47	74.00	22.09	V
17968.050	51.89	-29.51	45.97	35.47	74.00	22.11	V
12762.000	46.56	-31.80	38.25	40.20	88.30	41.74	H
12774.150	46.30	-31.70	38.30	39.89	88.30	42.00	V
10588.950	46.09	-33.21	38.58	41.40	88.30	42.21	V
10449.900	45.62	-33.79	38.60	40.91	88.30	42.68	V

## Channel 205

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.400	51.24	-29.53	45.96	34.83	74.00	22.76	V
17967.600	51.21	-29.51	45.97	34.79	74.00	22.79	V
11262.600	47.38	-32.73	38.83	41.31	74.00	26.62	H
10454.400	47.04	-33.77	38.60	42.23	88.30	41.26	H
12744.900	46.97	-31.84	38.20	40.20	88.30	41.33	H
12728.700	46.94	-31.69	38.20	40.17	88.30	41.36	H

## Channel 233

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17361.000	51.97	-29.37	42.13	39.14	88.30	36.33	V
17969.400	51.48	-29.51	45.97	35.06	74.00	22.52	H
12771.900	47.07	-31.72	38.29	40.67	88.30	41.23	H
12333.600	46.89	-32.25	39.50	39.36	74.00	27.11	V
7125.126	64.75	-26.15	36.90	54.25	88.30	23.55	H
7125.028	64.08	-26.15	36.90	53.58	88.30	24.22	H

**802.11ax-40M**

## Channel 3

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17993.250	52.46	-29.45	45.99	36.02	74.00	21.54	H
17644.950	51.53	-29.14	44.51	36.09	88.30	36.77	H
12707.550	46.98	-31.50	38.20	40.21	88.30	41.32	V
12675.150	46.77	-31.50	38.30	40.05	74.00	27.23	V
5910.364	53.78	-27.12	34.84	46.04	88.30	34.52	V
5912.100	53.76	-27.12	34.85	46.01	88.30	34.54	H

## Channel 43

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17992.800	51.99	-29.45	45.99	35.55	74.00	22.01	V
17995.950	51.74	-29.45	46.00	35.30	74.00	22.26	V
12708.450	46.48	-31.51	38.20	39.71	88.30	41.82	V
11864.250	46.34	-32.22	40.36	38.21	74.00	27.66	V
11043.900	46.33	-33.35	38.61	40.43	74.00	27.67	V
11412.000	45.93	-32.85	39.32	39.37	74.00	28.07	H

## Channel 91

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.250	52.10	-29.49	45.98	35.68	74.00	21.90	V
17581.500	52.05	-29.23	44.05	37.51	88.30	36.25	H
12768.300	46.29	-31.75	38.27	39.91	88.30	42.01	H
12263.400	46.21	-32.10	39.77	38.58	74.00	27.79	V
11389.050	45.99	-32.82	39.26	39.75	74.00	28.01	H
10869.750	45.97	-32.84	38.84	39.99	74.00	28.03	H

## Channel 99

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.400	51.84	-29.53	45.96	35.43	74.00	22.16	H
17971.650	51.72	-29.50	45.97	35.30	74.00	22.28	V
12891.600	46.50	-31.46	38.60	39.84	88.30	41.80	V
9401.850	46.49	-33.73	38.00	42.23	74.00	27.51	H
12144.150	46.27	-31.87	40.01	38.96	74.00	27.73	V
10896.300	45.74	-32.82	38.89	39.70	74.00	28.26	H

## Channel 107

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.650	51.76	-29.44	46.00	35.31	74.00	22.24	H
17990.100	51.71	-29.46	45.99	35.27	74.00	22.29	H
12772.800	46.97	-31.71	38.29	40.57	88.30	41.33	V
12734.100	46.90	-31.74	38.20	40.13	88.30	41.40	H
11306.250	45.53	-32.69	38.92	39.25	74.00	28.47	V
11342.250	45.52	-32.96	39.07	39.10	74.00	28.48	V

## Channel 123

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17926.650	51.73	-29.64	45.93	35.55	74.00	22.27	V
17434.350	51.71	-29.70	42.74	38.59	88.30	36.59	V
12796.200	47.31	-31.53	38.38	40.82	88.30	40.99	V
12730.500	46.69	-31.71	38.20	39.92	88.30	41.61	V
11261.700	45.81	-32.73	38.82	39.74	74.00	28.19	H
11437.650	45.74	-33.04	39.38	39.12	74.00	28.26	V

## Channel 155

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17937.450	51.55	-29.60	45.94	35.36	74.00	22.45	V
17580.150	51.37	-29.25	44.04	36.84	88.30	36.93	H
12655.800	46.42	-31.56	38.38	39.62	74.00	27.58	H
12772.350	46.42	-31.72	38.29	40.02	88.30	41.88	V
11304.900	45.95	-32.68	38.92	39.68	74.00	28.05	V

9048.600	45.58	-33.57	37.50	40.95	74.00	28.42	H
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## Channel 179

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17966.700	52.61	-29.51	45.97	36.19	74.00	21.39	V
17999.100	52.11	-29.44	46.00	35.66	74.00	21.89	H
12779.100	46.75	-31.66	38.32	40.32	88.30	41.55	V
12790.350	46.44	-31.57	38.36	39.97	88.30	41.86	V
11292.300	46.23	-32.66	38.88	40.10	74.00	27.77	V
11303.550	45.84	-32.67	38.91	39.57	74.00	28.16	V

## Channel 195

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17960.400	51.68	-29.53	45.96	35.27	74.00	22.32	V
17957.700	51.61	-29.53	45.96	35.20	74.00	22.39	V
12708.000	47.88	-31.50	38.20	41.11	88.30	40.42	V
12703.950	46.48	-31.46	38.20	39.71	88.30	41.82	H
11296.350	45.97	-32.66	38.89	39.83	74.00	28.03	V
10940.400	45.67	-33.21	38.82	39.66	74.00	28.33	V

## Channel 211

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17932.950	51.91	-29.62	45.93	35.73	74.00	22.09	H
17983.800	51.56	-29.47	45.98	35.13	74.00	22.44	V
13028.850	46.76	-31.21	39.42	38.72	88.30	41.54	H
12771.000	46.73	-31.73	38.28	40.34	88.30	41.57	V
9058.050	46.20	-33.60	37.50	42.29	74.00	27.80	H
11243.700	46.07	-32.77	38.79	40.11	74.00	27.93	H

## Channel 227

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17505.000	52.63	-29.26	43.44	38.42	88.30	35.67	V
17638.650	51.61	-29.13	44.47	36.21	88.30	36.69	H
13076.550	46.75	-31.59	39.66	38.19	88.30	41.55	V
12760.200	46.47	-31.81	38.24	40.12	88.30	41.83	H

7185.732	58.19	-25.97	37.14	46.95	88.30	30.11	V
7216.434	58.14	-25.97	37.27	46.87	88.30	30.16	H

**802.11ax-80M**

## Channel 7

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17961.300	52.24	-29.53	45.96	35.83	74.00	21.76	H
17954.100	51.94	-29.54	45.95	35.54	74.00	22.06	V
12769.650	46.96	-31.74	38.28	40.57	88.30	41.34	H
12868.200	46.93	-31.73	38.60	40.27	88.30	41.37	H
5908.726	54.55	-27.12	34.83	46.82	88.30	33.75	V
5902.594	54.17	-27.11	34.81	46.46	88.30	34.13	H

## Channel 39

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17231.400	51.73	-29.60	41.29	40.17	88.30	36.57	V
17760.600	51.58	-29.78	45.20	36.15	74.00	22.42	H
12601.800	47.19	-31.22	38.50	39.90	74.00	26.81	V
12778.200	47.09	-31.67	38.31	40.67	88.30	41.21	H
10932.300	46.00	-33.13	38.84	39.98	74.00	28.00	H
11282.850	45.96	-32.69	38.87	39.85	74.00	28.04	V

## Channel 87

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17944.650	51.78	-29.57	45.94	35.58	74.00	22.22	V
17986.500	51.71	-29.47	45.99	35.27	74.00	22.29	H
13051.350	47.00	-31.12	39.51	38.59	88.30	41.30	H
12206.700	46.77	-32.25	39.89	39.15	74.00	27.23	V
11395.800	46.37	-32.78	39.28	40.10	74.00	27.63	H
11372.850	46.30	-32.90	39.19	40.12	74.00	27.70	V



## Channel 103

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.550	51.96	-29.52	45.96	35.55	74.00	22.04	V
17903.700	51.74	-29.73	45.90	35.59	74.00	22.26	V
12797.100	47.00	-31.52	38.39	40.50	88.30	41.30	H
12860.100	46.47	-31.82	38.60	39.81	88.30	41.83	V
11393.550	46.24	-32.79	39.27	39.98	74.00	27.76	V
11389.950	46.03	-32.81	39.26	39.78	74.00	27.97	H

## Channel 135

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17636.400	51.85	-29.12	44.45	36.47	88.30	36.45	V
17959.050	51.52	-29.53	45.96	35.11	74.00	22.48	H
11403.900	47.02	-32.79	39.31	40.47	74.00	26.98	V
13058.100	46.74	-31.25	39.55	38.29	88.30	41.56	V
12716.550	46.59	-31.58	38.20	39.82	88.30	41.71	V
10863.900	46.29	-32.84	38.83	40.32	74.00	27.71	H

## Channel 151

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17910.900	51.84	-29.71	45.91	35.68	74.00	22.16	V
17641.800	51.60	-29.13	44.49	36.18	88.30	36.70	H
12872.250	46.90	-31.68	38.60	40.24	88.30	41.40	V
12788.100	46.88	-31.59	38.35	40.42	88.30	41.42	H
10996.200	45.74	-32.76	38.71	40.34	74.00	28.26	H
9053.100	45.59	-33.60	37.50	41.68	74.00	28.41	V

## Channel 167

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17970.750	52.85	-29.50	45.97	36.43	74.00	21.15	H
17968.950	51.66	-29.51	45.97	35.24	74.00	22.34	H
12835.350	46.68	-31.81	38.54	39.64	88.30	41.62	V
12964.500	46.44	-31.80	39.02	39.40	88.30	41.86	V
11318.400	46.18	-32.78	38.97	39.85	74.00	27.82	H
10021.500	45.78	-33.79	38.14	41.20	88.30	42.52	V

## Channel 199

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17610.750	51.40	-29.09	44.28	36.20	88.30	36.90	H
17963.550	51.38	-29.52	45.96	34.97	74.00	22.62	V
11853.900	46.79	-32.22	40.32	38.70	74.00	27.21	H
13001.400	46.74	-31.36	39.31	38.81	88.30	41.56	H
11394.900	46.25	-32.79	39.28	39.98	74.00	27.75	V
11380.050	46.00	-32.86	39.22	39.79	74.00	28.00	H

## Channel 215

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17953.650	51.94	-29.54	45.95	35.54	74.00	22.06	H
17896.950	51.33	-29.76	45.88	35.34	74.00	22.67	V
12704.850	46.99	-31.47	38.20	40.22	88.30	41.31	H
12762.000	46.74	-31.80	38.25	40.38	88.30	41.56	V
7161.299	57.54	-25.92	37.05	46.39	88.30	30.76	V
7188.071	57.29	-25.98	37.15	46.04	88.30	31.01	H

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## Channel 15

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17988.300	51.60	-29.46	45.99	35.16	74.00	22.40	V
17922.150	51.59	-29.66	45.92	35.42	74.00	22.41	V
12771.450	47.42	-31.72	38.29	41.03	88.30	40.88	V
12680.550	47.16	-31.49	38.28	40.46	74.00	26.84	H
5900.900	54.19	-27.10	34.80	46.49	88.30	34.11	V
5900.200	53.85	-27.10	34.80	46.15	88.30	34.45	H

## Channel 47

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.100	51.90	-29.46	45.99	35.46	74.00	22.10	V
17992.350	51.82	-29.45	45.99	35.38	74.00	22.18	V
12996.000	47.23	-31.42	39.27	39.94	88.30	41.07	V
12663.900	46.67	-31.54	38.34	39.91	74.00	27.33	H
11357.100	46.33	-32.98	39.13	40.21	74.00	27.67	V
10871.100	46.01	-32.84	38.84	40.02	74.00	27.99	V

## Channel 79

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.850	51.22	-29.51	45.97	34.80	74.00	22.78	V
17991.900	51.19	-29.46	45.99	34.75	74.00	22.81	V
12343.050	46.51	-32.33	39.44	39.04	74.00	27.49	H
12211.650	46.33	-32.23	39.88	38.72	74.00	27.67	H
9467.100	45.72	-33.42	37.87	41.41	74.00	28.28	H
10515.150	45.45	-33.68	38.57	40.46	88.30	42.85	H

**Channel 143**

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17623.350	51.66	-29.11	44.36	36.37	88.30	36.64	H
17947.350	51.39	-29.56	45.95	35.19	74.00	22.61	V
12737.700	46.69	-31.78	38.20	39.92	88.30	41.61	H
12718.350	46.55	-31.60	38.20	39.78	88.30	41.75	H
11259.450	46.47	-32.74	38.82	40.41	74.00	27.53	V
10972.800	46.39	-33.04	38.75	40.95	74.00	27.61	H

**Channel 207**

Frequency (MHz)	Measurement Result (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBuV)	Limit (dBuV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.700	52.47	-29.49	45.98	36.05	74.00	21.53	V
17964.000	51.32	-29.52	45.96	34.91	74.00	22.68	V
11288.250	47.02	-32.67	38.88	40.90	74.00	26.98	V
12860.550	46.82	-31.82	38.60	40.16	88.30	41.48	V
7174.488	58.07	-25.95	37.10	46.87	88.30	30.23	H
7160.313	57.54	-25.92	37.04	46.40	88.30	30.76	H

Note: The measurement results showed here are worst cases

## A.9. Band Edges Compliance

### A9.1 Band Edges - Radiated

#### Measurement Limit:

Standard	Limit	
FCC 47 CFR Part 15.407	outside of the 5.925-7.125 GHz band	-27dBm/MHz

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

The measurement is made according to KDB 789033 and KDB 987594.

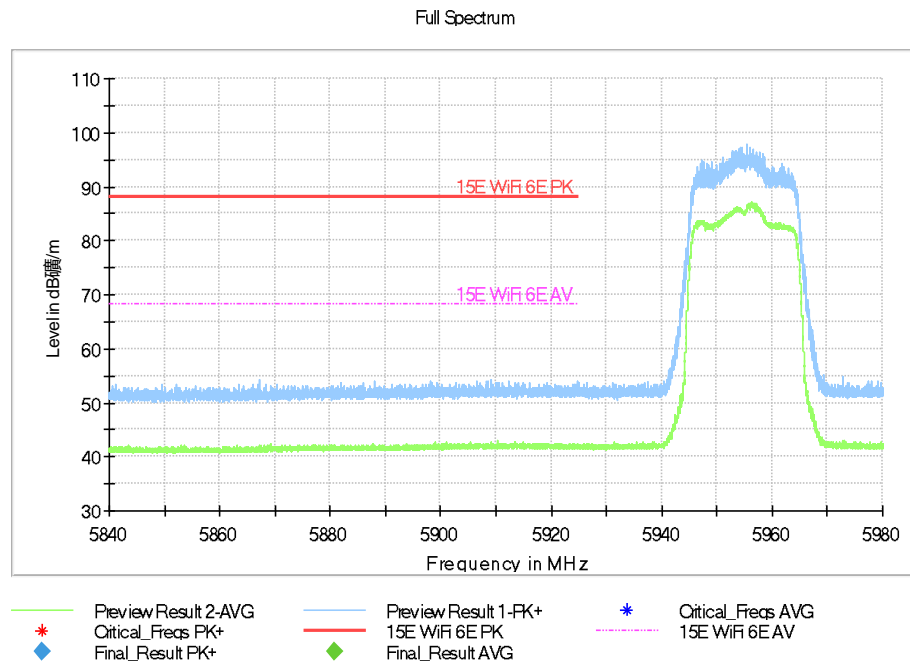
In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

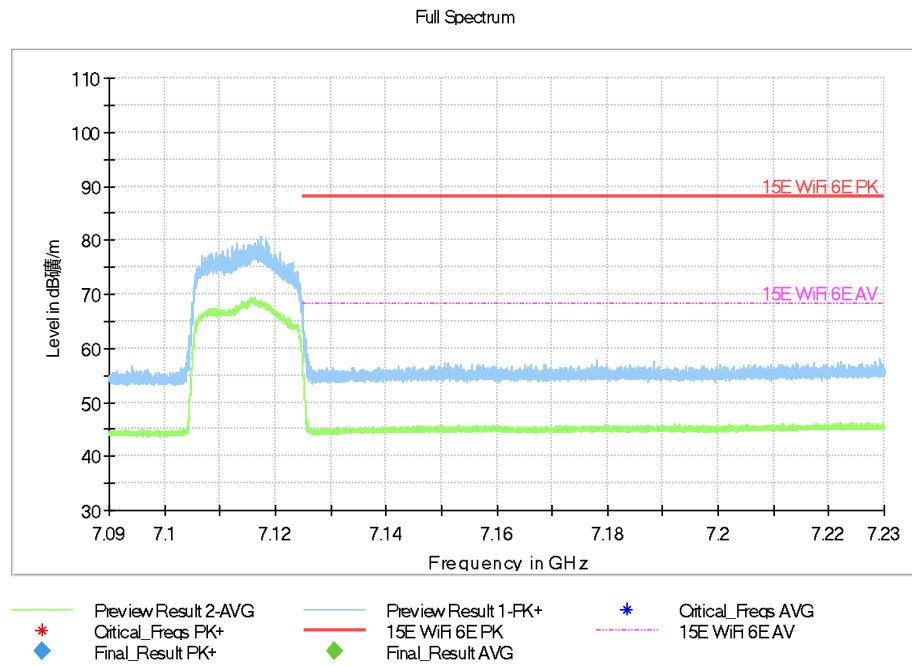
#### Measurement Uncertainty:

Measurement Uncertainty	0.75dB
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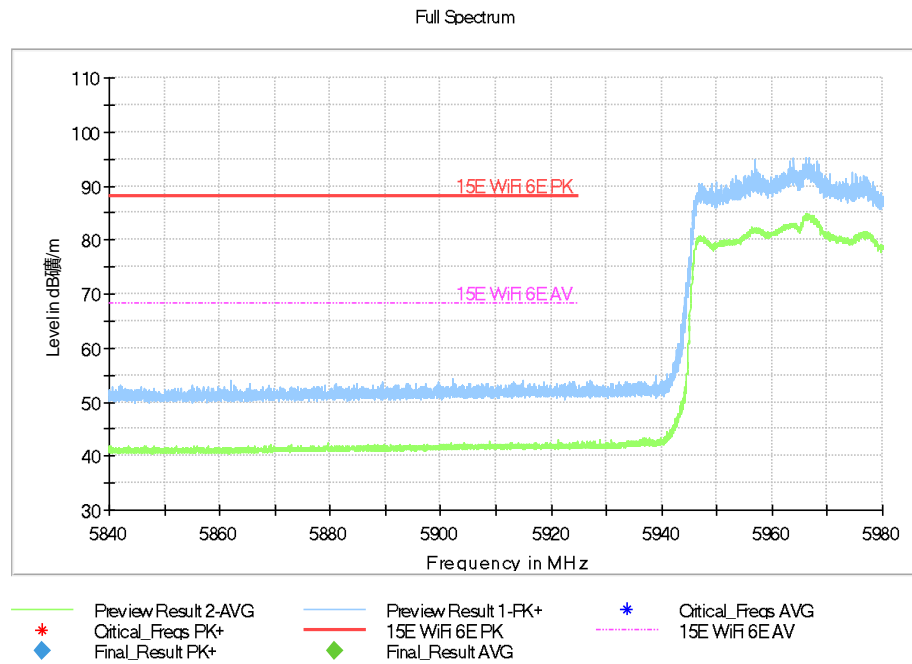
**Measurement Result:**

Mode	Channel	Test Results	Conclusion
802.11ax 20 MHz BW	5955 MHz	Fig.137	P
	7115 MHz	Fig.138	P
802.11ax 40 MHz BW	5965 MHz	Fig.139	P
	7085 MHz	Fig.140	P
802.11ax 80 MHz BW	5985 MHz	Fig.141	P
	7025 MHz	Fig.142	P
802.11ax 160 MHz BW	6025 MHz	Fig.143	P
	6985 MHz	Fig.144	P

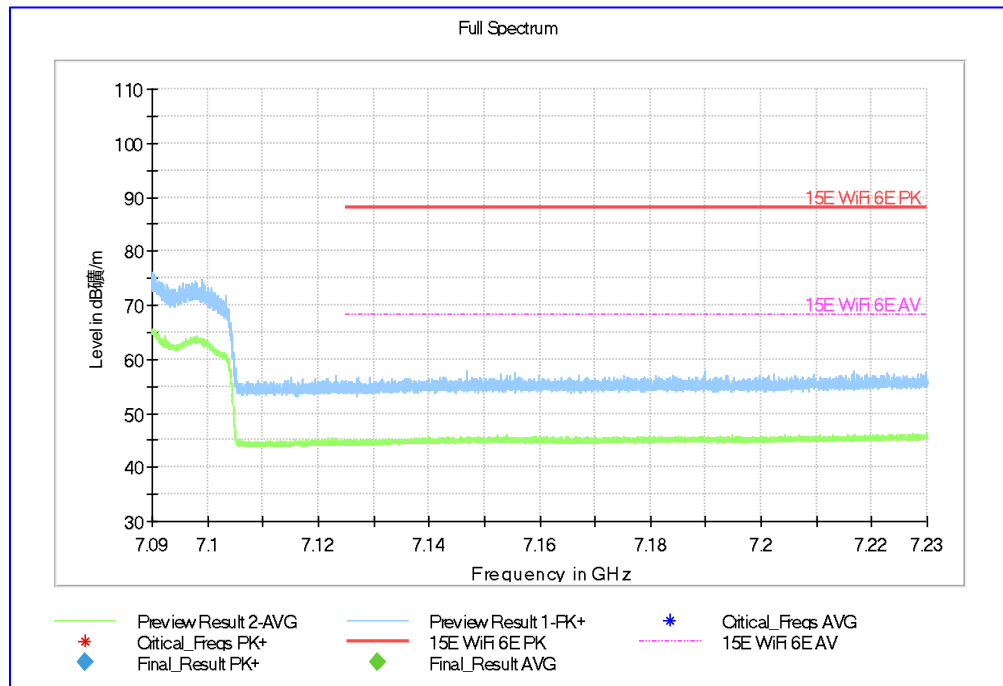
**Conclusion: PASS**
**Test graphs as below:**

**Fig.137 Band Edges (802.11ax VHT-20, 5955MHz)**



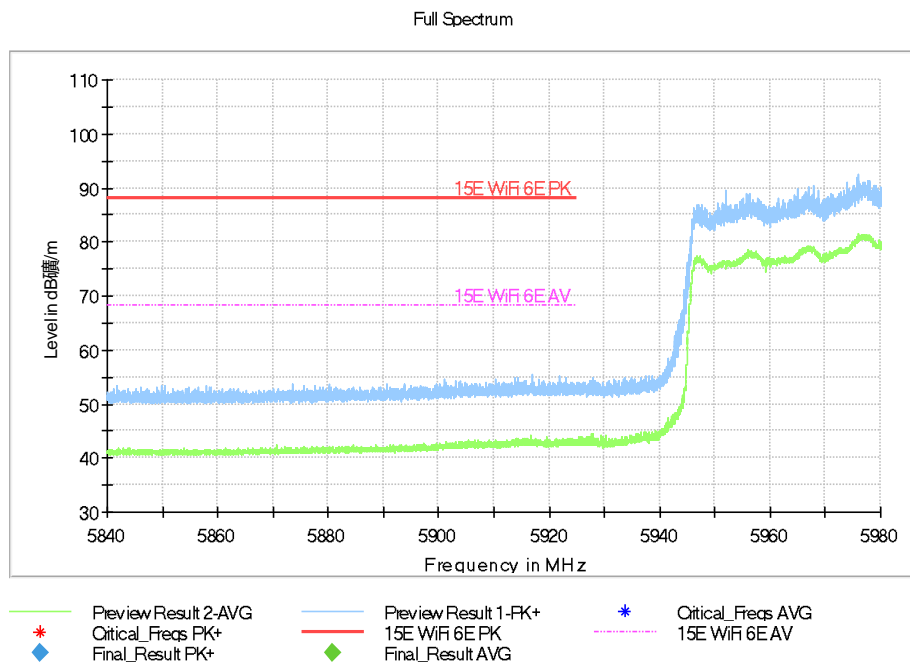
**Fig.138 Band Edges (802.11ax VHT-20, 7115MHz)**



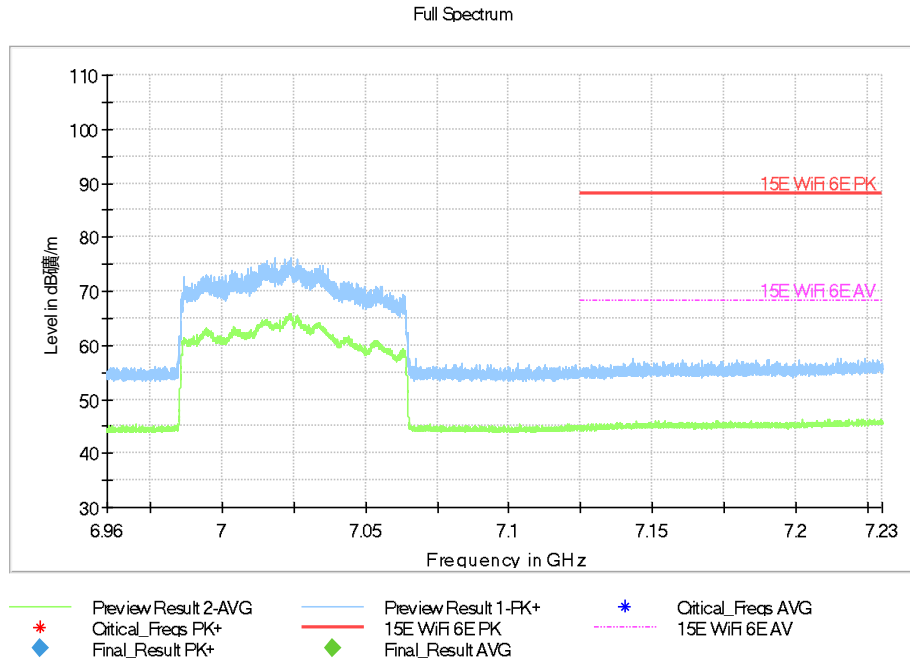
**Fig.139 Band Edges (802.11ax VHT-40, 5965MHz)**



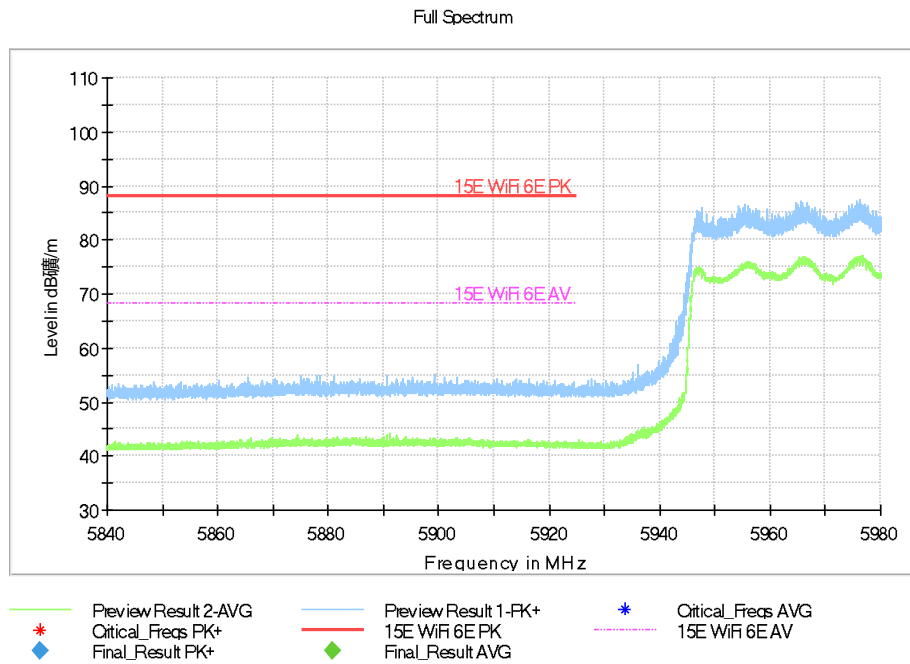
**Fig.140 Band Edges (802.11ax VHT-40, 7085MHz)**



**Fig.141 Band Edges (802.11ax VHT-80, 5985MHz)**

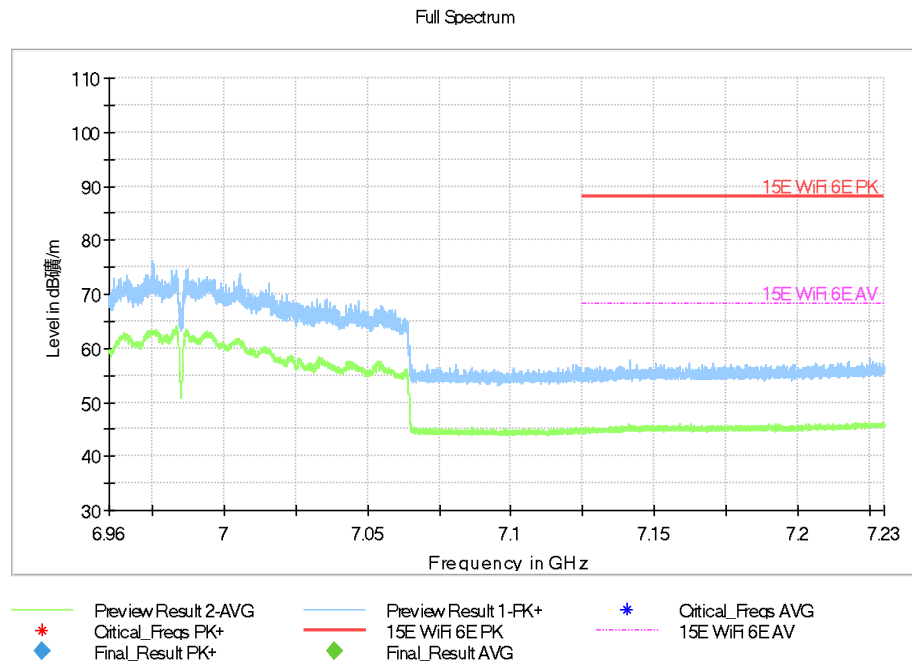


**Fig.142 Band Edges (802.11ax VHT-80, 7025MHz)**



**Fig.143 Band Edges (802.11ax VHT-160, 6025MHz)**





**Fig.144 Band Edges (802.11ax VHT-160, 6985MHz)**

### A.10. AC Powerline Conducted Emission (150kHz- 30MHz)

**Test Condition:**

Voltage (V)	Frequency (Hz)
110	60

**Measurement uncertainty:**

Expanded measurement uncertainty for this test item is  $U = 3.08\text{dB}$ ,  $k=2$ .

**Measurement Result and limit:**

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig.145	Fig.146	P
0.5 to 5	56			
5 to 30	60			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

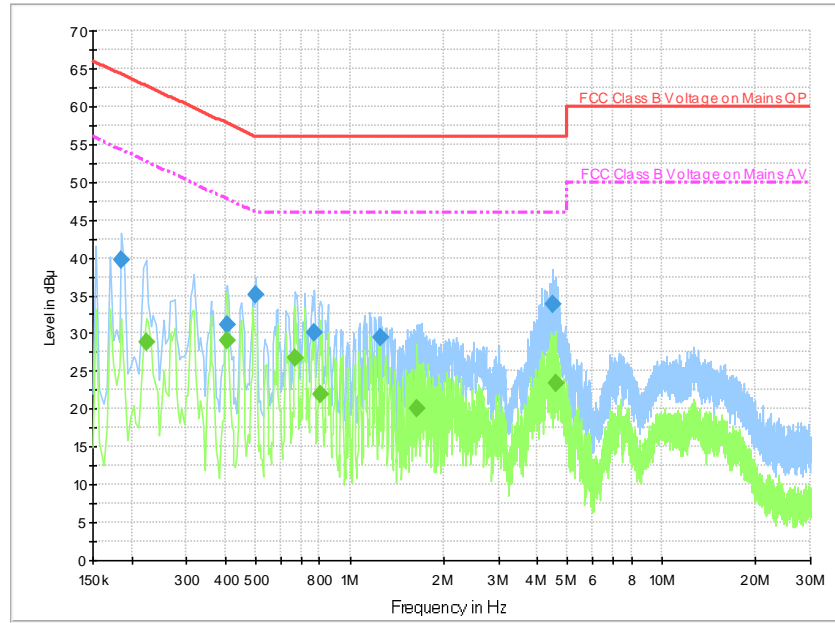
WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig.145	Fig.146	P
0.5 to 5	46			

5 to 30	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

**Conclusion: PASS**

**Test graphs as below:**



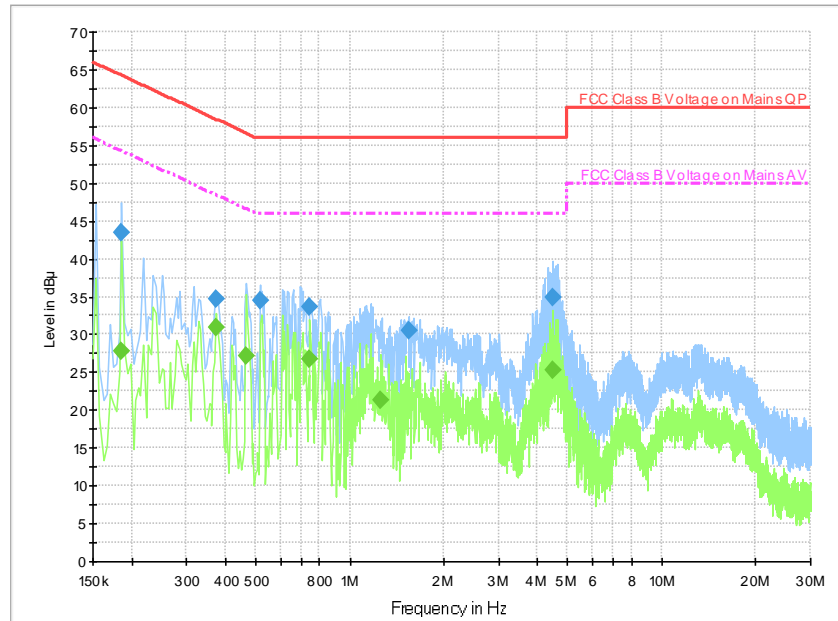
**Fig.145 Conducted Emission(802.11ax, Ch1, TX)**

**Final Result 1:**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.186000	39.6	5000.0	9.000	On	L1	19.8	24.6	64.2
0.406000	31.2	5000.0	9.000	On	N	19.8	26.5	57.7
0.498000	35.0	5000.0	9.000	On	N	19.9	21.0	56.0
0.770000	30.1	5000.0	9.000	On	N	19.6	25.9	56.0
1.254000	29.5	5000.0	9.000	On	N	19.6	26.5	56.0
4.470000	33.8	5000.0	9.000	On	L1	19.6	22.2	56.0

**Final Result 2:**

Frequency (MHz)	CAverage (dB $\mu$ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.222000	28.7	5000.0	9.000	On	L1	19.8	24.0	52.7
0.406000	29.0	5000.0	9.000	On	N	19.8	18.8	47.7
0.666000	26.7	5000.0	9.000	On	N	19.6	19.3	46.0
0.802000	22.0	5000.0	9.000	On	N	19.6	24.0	46.0
1.650000	20.1	5000.0	9.000	On	N	19.6	25.9	46.0
4.566000	23.5	5000.0	9.000	On	L1	19.5	22.5	46.0



**Fig.146 Conducted Emission(802.11ax, CH1 IDLE)**

**Final Result 1:**

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.186000	43.4	5000.0	9.000	On	L1	19.8	20.8	64.2
0.374000	34.7	5000.0	9.000	On	N	19.8	23.8	58.4
0.514000	34.5	5000.0	9.000	On	N	19.8	21.5	56.0
0.746000	33.7	5000.0	9.000	On	N	19.6	22.3	56.0
1.554000	30.5	5000.0	9.000	On	N	19.6	25.5	56.0
4.502000	34.9	5000.0	9.000	On	N	19.5	21.1	56.0




**Final Result 2:**

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.186000	27.7	5000.0	9.000	On	L1	19.8	26.5	54.2
0.374000	30.9	5000.0	9.000	On	N	19.8	17.5	48.4
0.466000	27.2	5000.0	9.000	On	N	19.8	19.4	46.6
0.746000	26.8	5000.0	9.000	On	N	19.6	19.2	46.0
1.258000	21.3	5000.0	9.000	On	N	19.6	24.7	46.0
4.502000	25.2	5000.0	9.000	On	N	19.5	20.8	46.0

## ANNEX B: EUT parameters

Disclaimer: The antenna gain and worse case provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

## ANNEX C: Accreditation Certificate

<p>United States Department of Commerce National Institute of Standards and Technology</p>  	
<hr/> <b>Certificate of Accreditation to ISO/IEC 17025:2017</b> <hr/>	
NVLAP LAB CODE: 600118-0	
<b>Telecommunication Technology Labs, CAICT</b> Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
<b>Electromagnetic Compatibility &amp; Telecommunications</b>	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i>	
<hr/> 2022-10-01 through 2023-09-30 Effective Dates	 For the National Voluntary Laboratory Accreditation Program

\*\*\* END OF REPORT BODY \*\*\*