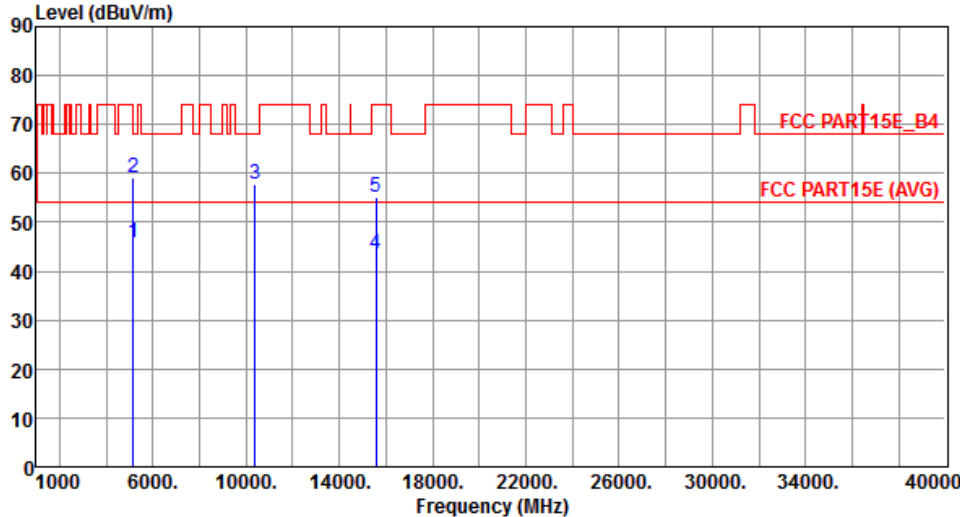


3.5.27 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

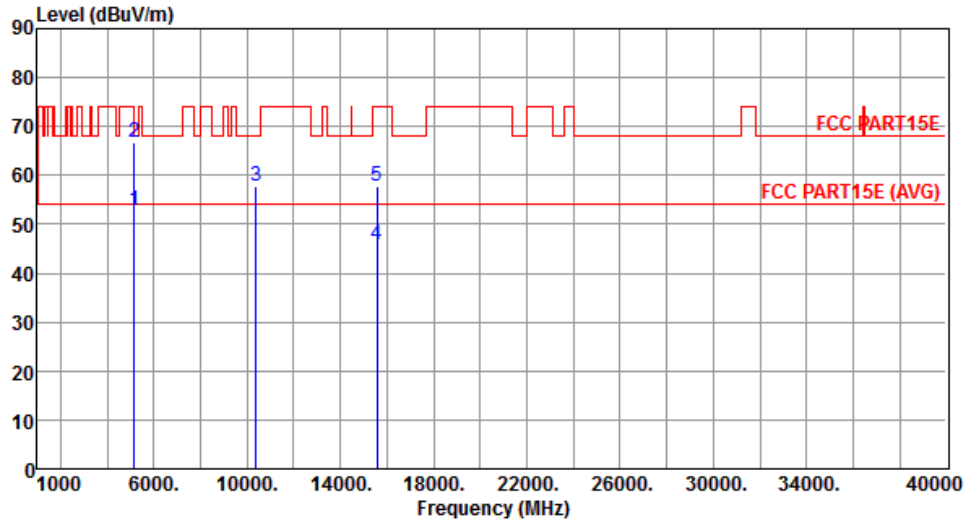
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.68	54.00	-8.32	40.13	5.55	Average	270	248
2	5150.00	59.11	74.00	-14.89	53.56	5.55	Peak	270	248
3	10380.00	57.85	68.20	-10.35	42.35	15.50	Peak	331	243
4	15570.00	43.43	54.00	-10.57	27.79	15.64	Average	341	178
5	15570.00	55.26	74.00	-18.74	39.62	15.64	Peak	341	178

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	5



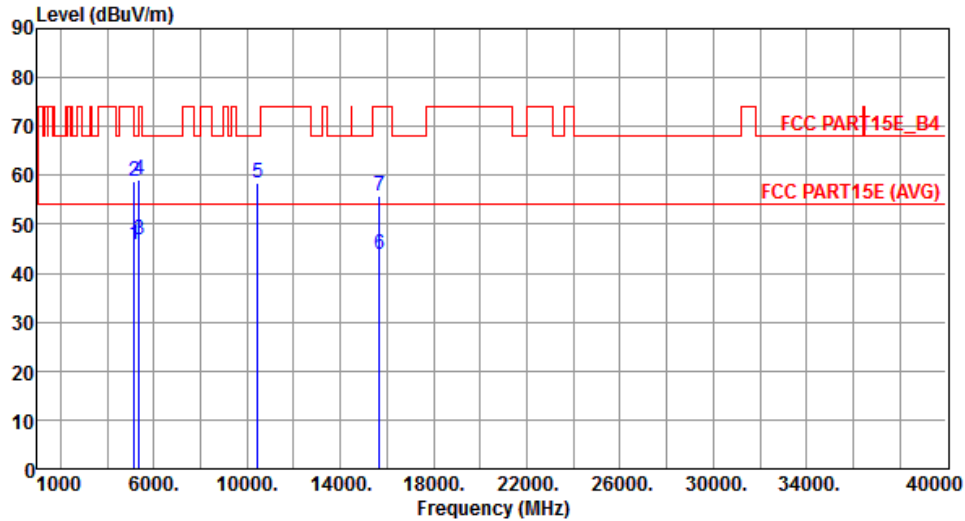
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.96	54.00	-1.04	47.41	5.55	Average	307	268
2	5150.00	66.65	74.00	-7.35	61.10	5.55	Peak	307	268
3	10380.00	57.68	68.20	-10.52	42.18	15.50	Peak	333	169
4	15570.00	45.95	54.00	-8.05	30.31	15.64	Average	233	191
5	15570.00	57.64	74.00	-16.36	42.00	15.64	Peak	233	191

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	5



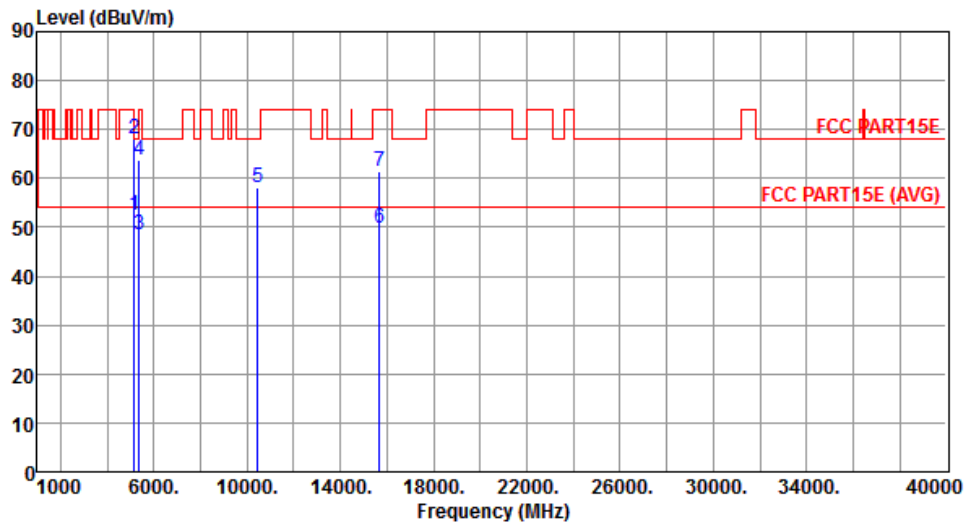
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.77	54.00	-8.23	40.22	5.55	Average	269	247
2	5150.00	58.78	74.00	-15.22	53.23	5.55	Peak	269	247
3	5350.00	46.82	54.00	-7.18	41.15	5.67	Average	269	247
4	5350.00	58.98	74.00	-15.02	53.31	5.67	Peak	269	247
5	10460.00	58.31	68.20	-9.89	42.51	15.80	Peak	338	250
6	15690.00	43.96	54.00	-10.04	28.80	15.16	Average	347	172
7	15690.00	55.66	74.00	-18.34	40.50	15.16	Peak	347	172

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	5



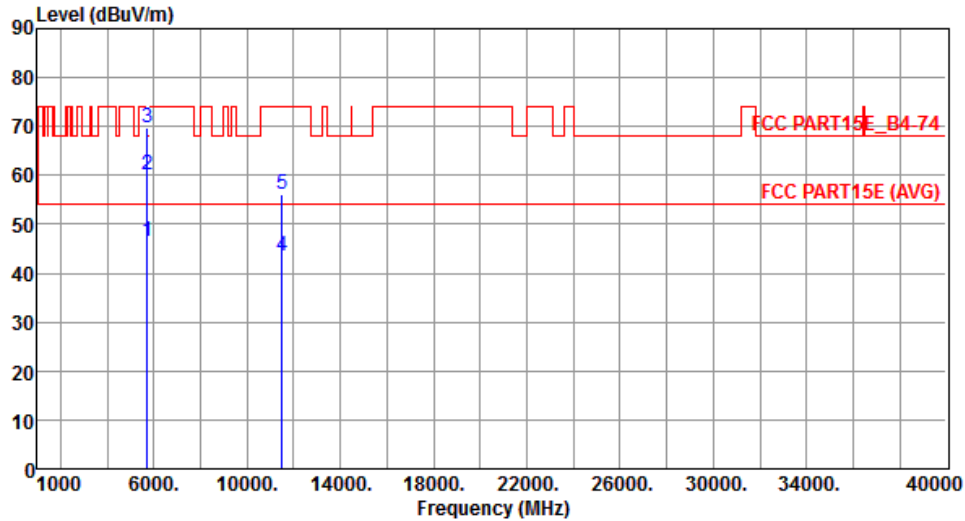
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.59	54.00	-1.41	47.04	5.55	Average	232	261
2	5150.00	67.94	74.00	-6.06	62.39	5.55	Peak	232	261
3	5350.00	48.33	54.00	-5.67	42.66	5.67	Average	267	258
4	5350.00	63.72	74.00	-10.28	58.05	5.67	Peak	267	258
5	10460.00	58.07	68.20	-10.13	42.27	15.80	Peak	339	164
6	15690.00	49.84	54.00	-4.16	34.68	15.16	Average	238	196
7	15690.00	61.58	74.00	-12.42	46.42	15.16	Peak	238	196

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	5



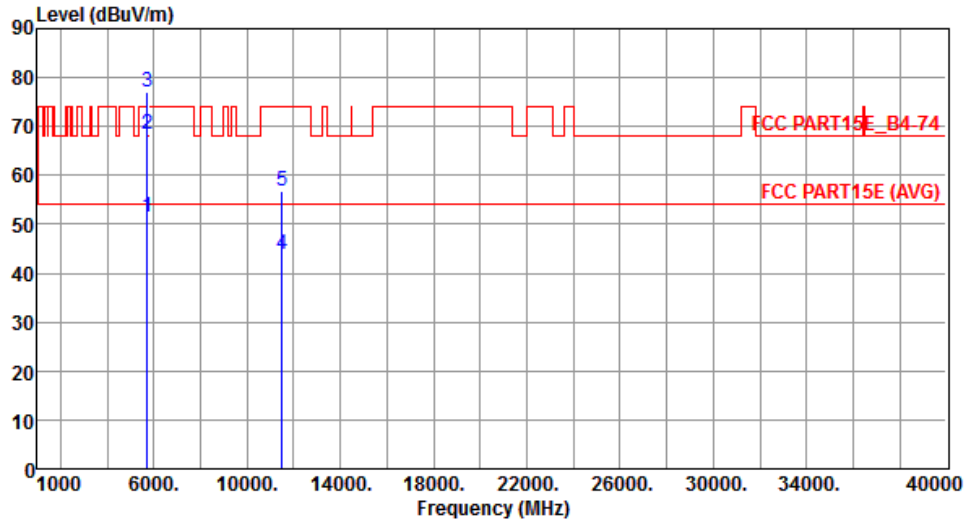
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	46.65	54.00	-7.35	40.90	5.75	Average	286	272
2	5715.00	60.03	74.00	-13.97	54.28	5.75	Peak	286	272
3	5725.00	69.63	78.20	-8.57	63.90	5.73	Peak	286	272
4	11510.00	43.40	54.00	-10.60	27.49	15.91	Average	185	69
5	11510.00	55.99	74.00	-18.01	40.08	15.91	Peak	185	69

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	5



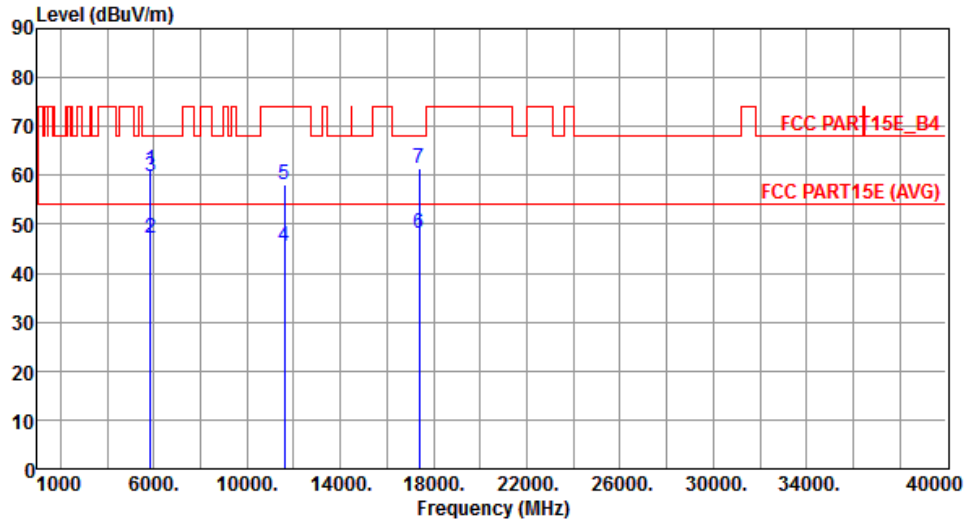
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.43	54.00	-2.57	45.68	5.75	Average	325	70
2	5715.00	68.26	74.00	-5.74	62.51	5.75	Peak	325	70
3	5725.00	77.09	78.20	-1.11	71.36	5.73	Peak	310	344
4	11510.00	43.98	54.00	-10.02	28.07	15.91	Average	279	308
5	11510.00	56.88	74.00	-17.12	40.97	15.91	Peak	279	308

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal	Test Configuration	5



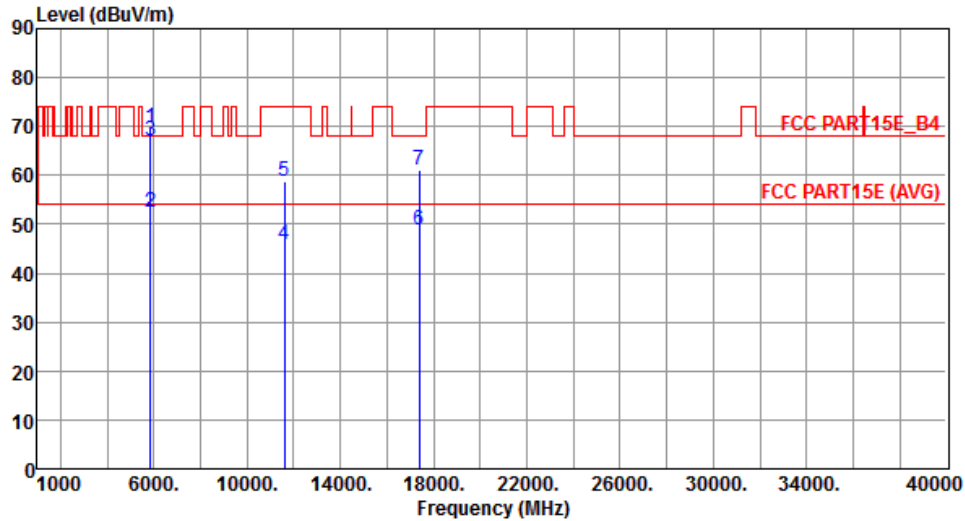
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	61.26	78.20	-16.94	55.43	5.83	Peak	368	145
2	5860.00	47.16	54.00	-6.84	41.32	5.84	Average	368	145
3	5860.00	59.62	68.20	-8.58	53.78	5.84	Peak	368	145
4	11590.00	45.37	54.00	-8.63	29.67	15.70	Average	350	12
5	11590.00	57.97	74.00	-16.03	42.27	15.70	Peak	350	12
6	17385.00	48.22	54.00	-5.78	28.38	19.84	Average	153	233
7	17385.00	61.31	68.20	-6.89	41.47	19.84	Peak	153	233

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	69.59	78.20	-8.61	63.76	5.83	Peak	344	277
2	5860.00	52.58	54.00	-1.42	46.74	5.84	Average	343	63
3	5860.00	67.08	68.20	-1.12	61.24	5.84	Peak	343	63
4	11590.00	45.76	54.00	-8.24	30.06	15.70	Average	297	322
5	11590.00	58.72	74.00	-15.28	43.02	15.70	Peak	297	322
6	17385.00	48.66	54.00	-5.34	28.82	19.84	Average	296	20
7	17385.00	61.03	68.20	-7.17	41.19	19.84	Peak	296	20

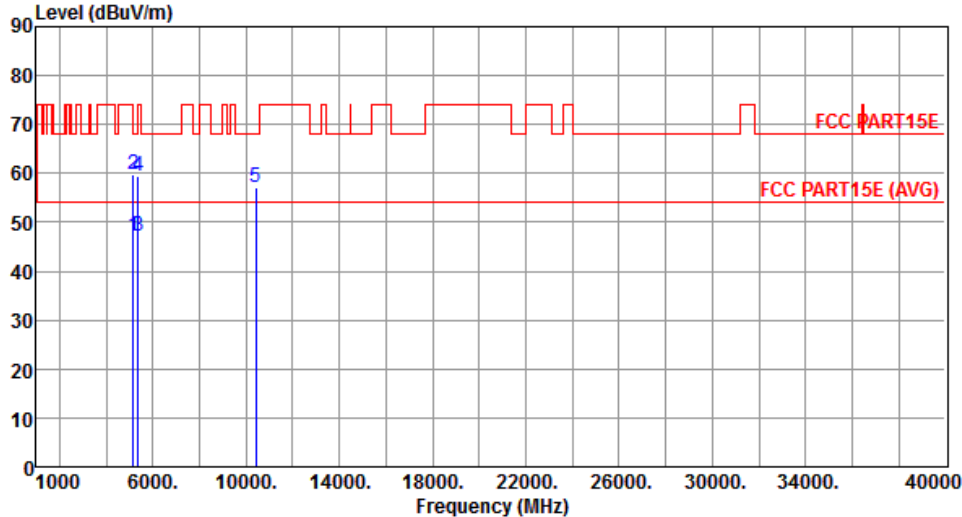
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.28 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

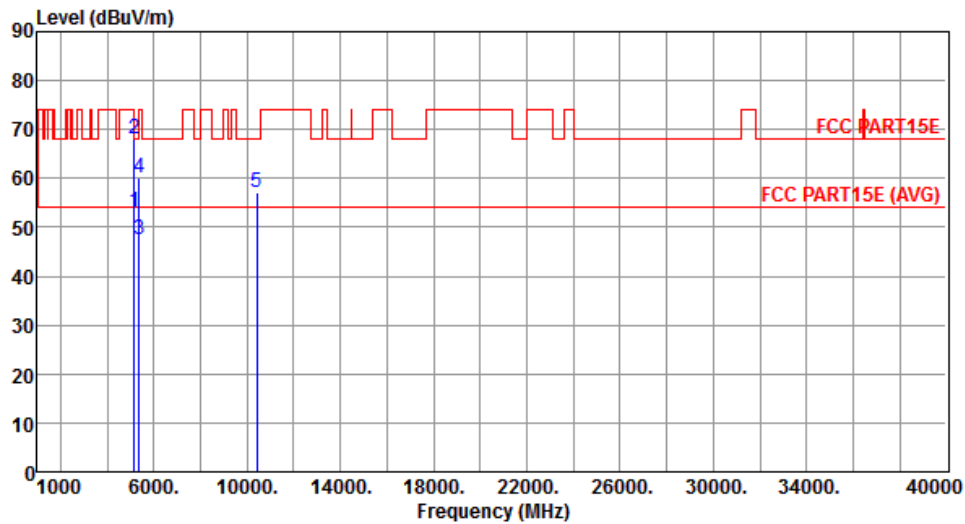
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.31	54.00	-6.69	41.76	5.55	Average	276	277
2	5150.00	59.90	74.00	-14.10	54.35	5.55	Peak	276	277
3	5350.00	47.26	54.00	-6.74	41.59	5.67	Average	276	277
4	5350.00	59.46	74.00	-14.54	53.79	5.67	Peak	276	277
5	10420.00	57.27	68.20	-10.93	41.62	15.65	Peak	156	35

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	5



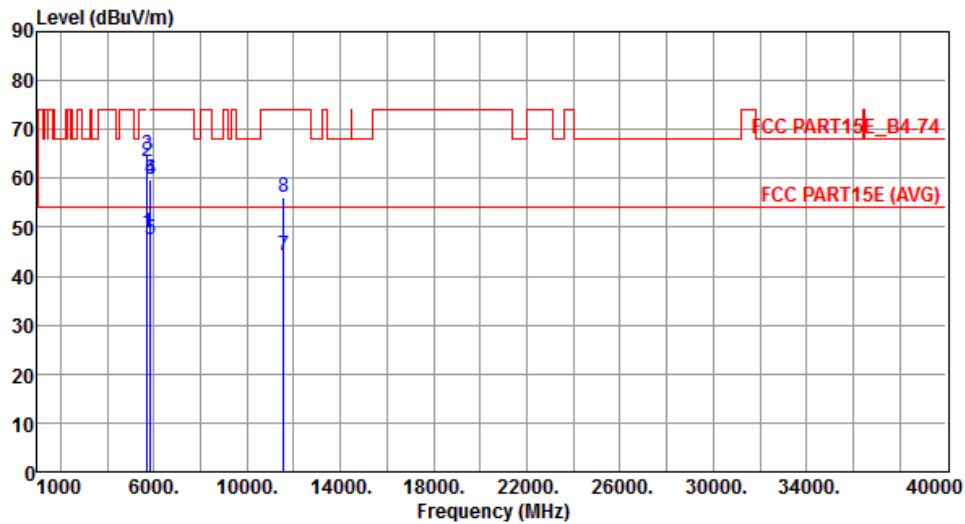
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.98	54.00	-1.02	47.43	5.55	Average	324	47
2	5150.00	68.07	74.00	-5.93	62.52	5.55	Peak	324	47
3	5350.00	47.40	54.00	-6.60	41.73	5.67	Average	324	47
4	5350.00	60.15	74.00	-13.85	54.48	5.67	Peak	324	47
5	10420.00	57.04	68.20	-11.16	41.39	15.65	Peak	147	27

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal	Test Configuration	5



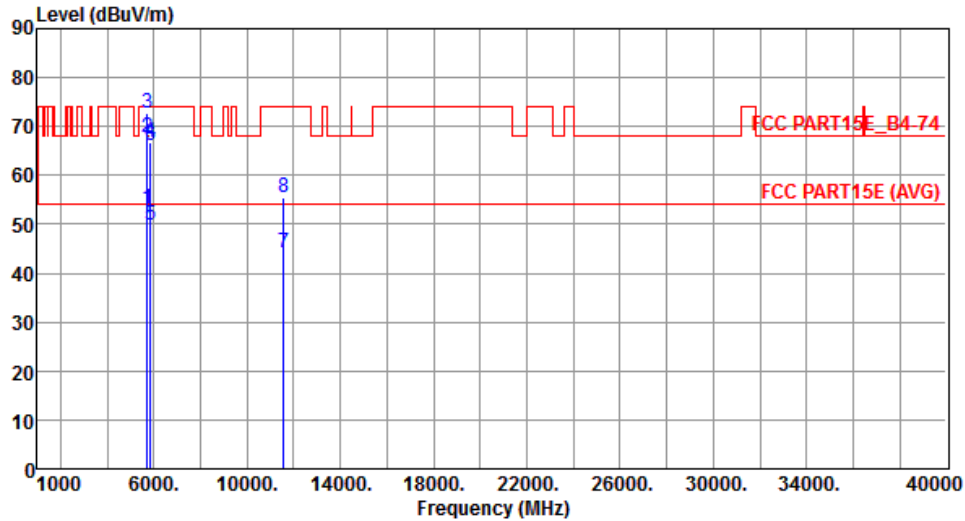
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.98	54.00	-5.02	43.23	5.75	Average	232	270
2	5715.00	63.55	74.00	-10.45	57.80	5.75	Peak	232	270
3	5725.00	64.64	78.20	-13.56	58.91	5.73	Peak	232	270
4	5850.00	59.85	78.20	-18.35	54.02	5.83	Peak	232	270
5	5860.00	47.58	54.00	-6.42	41.74	5.84	Average	232	270
6	5860.00	59.90	74.00	-14.10	54.06	5.84	Peak	232	270
7	11550.00	44.04	54.00	-9.96	28.24	15.80	Average	232	331
8	11550.00	55.96	74.00	-18.04	40.16	15.80	Peak	232	331

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical	Test Configuration	5



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.97	54.00	-1.03	47.22	5.75	Average	325	45
2	5715.00	67.68	74.00	-6.32	61.93	5.75	Peak	325	45
3	5725.00	72.65	78.20	-5.55	66.92	5.73	Peak	265	156
4	5850.00	66.86	78.20	-11.34	61.03	5.83	Peak	299	298
5	5860.00	49.71	54.00	-4.29	43.87	5.84	Average	301	299
6	5860.00	66.05	74.00	-7.95	60.21	5.84	Peak	301	299
7	11550.00	44.22	54.00	-9.78	28.42	15.80	Average	149	28
8	11550.00	55.55	74.00	-18.45	39.75	15.80	Peak	149	28

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

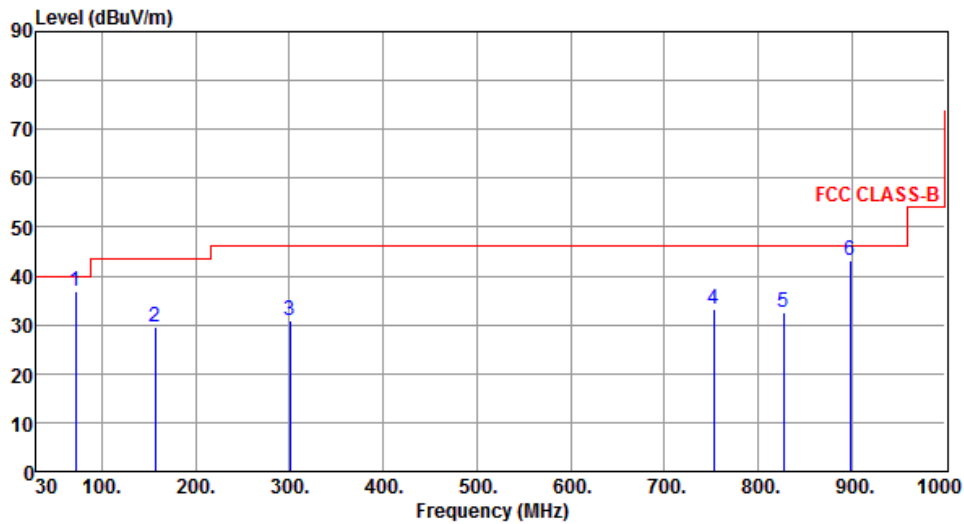
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Test Configuration 6: Sector antenna with 5dBi gain

3.5.29 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	6

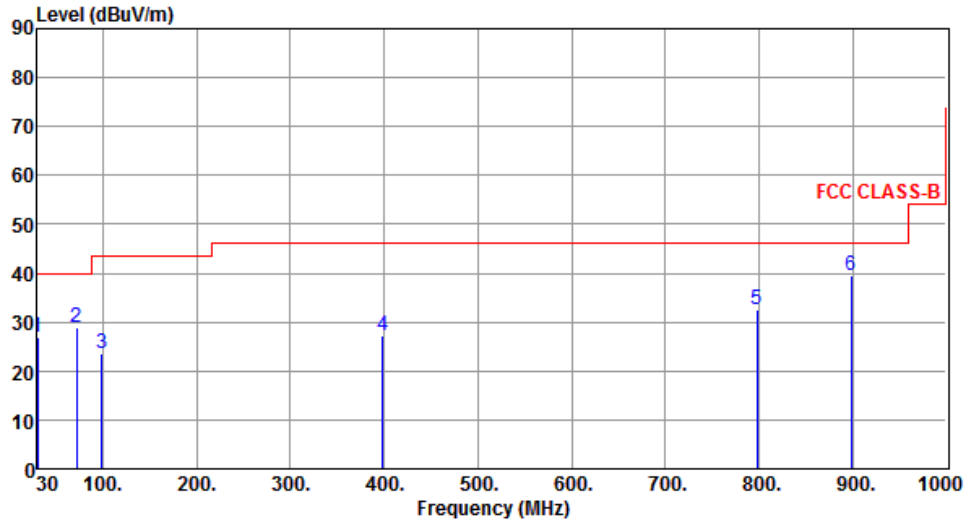


The graph displays the radiated unwanted emissions for a transmitter. The y-axis represents the Level in dBuV/m, ranging from 0 to 90. The x-axis represents the Frequency in MHz, ranging from 30 to 1000. A red line indicates the FCC CLASS-B limit, which is 40 dBuV/m from 30 MHz to 100 MHz, 45 dBuV/m from 100 MHz to 300 MHz, and 55 dBuV/m from 300 MHz to 1000 MHz. Six blue vertical lines represent measured peaks at various frequencies: 71.71 MHz, 157.07 MHz, 300.63 MHz, 752.65 MHz, 827.34 MHz, and 898.15 MHz. The peak levels are 37.03, 29.66, 30.79, 33.04, 32.62, and 43.25 dBuV/m, respectively. The margins relative to the limit are -2.97, -13.84, -15.21, -12.96, -13.38, and -2.75 dB.

	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	71.71	37.03	40.00	-2.97	56.69	-19.66	Peak	---	---
2	157.07	29.66	43.50	-13.84	46.42	-16.76	Peak	---	---
3	300.63	30.79	46.00	-15.21	46.63	-15.84	Peak	---	---
4	752.65	33.04	46.00	-12.96	40.10	-7.06	Peak	---	---
5	827.34	32.62	46.00	-13.38	38.92	-6.30	Peak	---	---
6	898.15	43.25	46.00	-2.75	48.61	-5.36	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
 Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	30.00	26.88	40.00	-13.12	44.69	-17.81	Peak	---	---
2	71.71	28.89	40.00	-11.11	48.55	-19.66	Peak	---	---
3	98.87	23.49	43.50	-20.01	44.99	-21.50	Peak	---	---
4	398.60	27.11	46.00	-18.89	40.64	-13.53	Peak	---	---
5	798.24	32.58	46.00	-13.42	39.23	-6.65	Peak	---	---
6	898.15	39.41	46.00	-6.59	44.77	-5.36	Peak	---	---

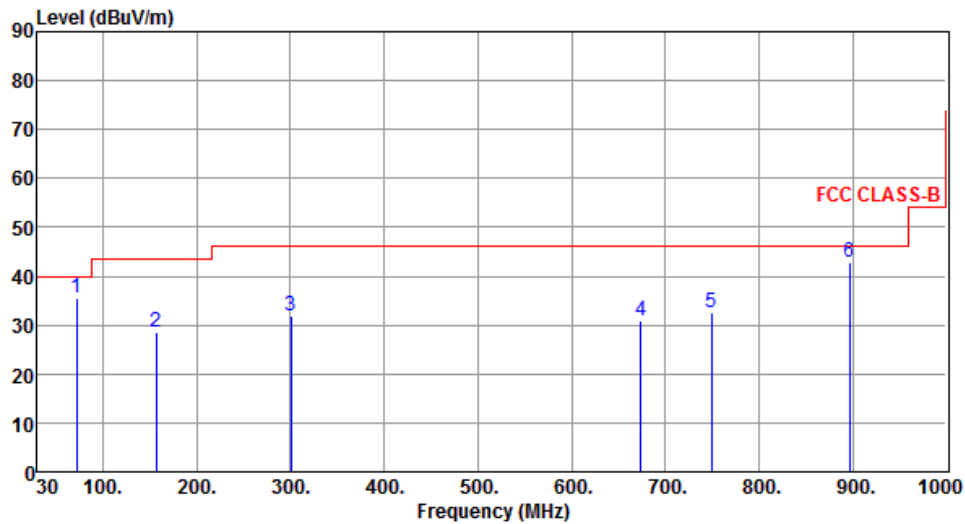
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	71.71	35.68	40.00	-4.32	55.34	-19.66	Peak	---	---
2	157.07	28.53	43.50	-14.97	45.29	-16.76	Peak	---	---
3	300.63	31.88	46.00	-14.12	47.72	-15.84	Peak	---	---
4	674.08	30.77	46.00	-15.23	39.23	-8.46	Peak	---	---
5	749.74	32.55	46.00	-13.45	39.64	-7.09	Peak	---	---
6	896.21	42.98	46.00	-3.02	48.38	-5.40	Peak	---	---

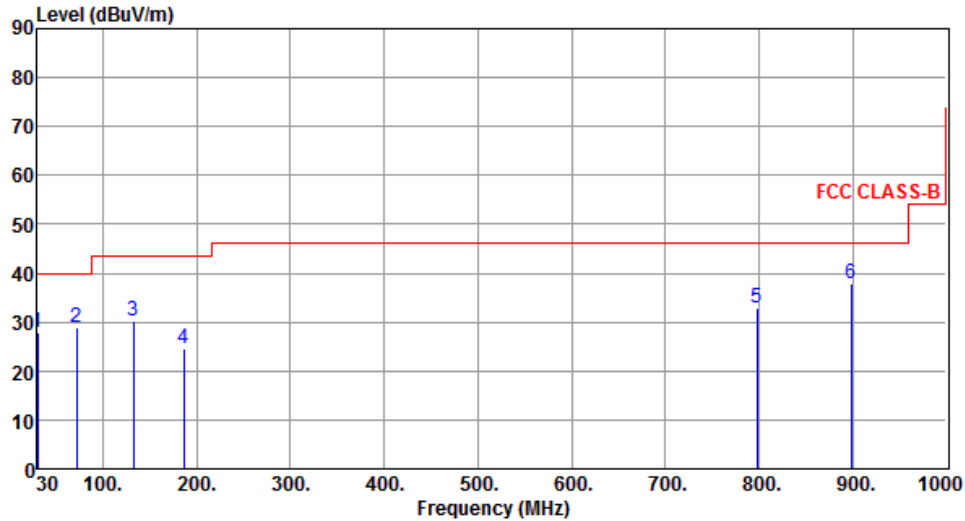
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	30.00	27.90	40.00	-12.10	45.71	-17.81	Peak	---	---
2	71.71	28.83	40.00	-11.17	48.49	-19.66	Peak	---	---
3	132.82	30.29	43.50	-13.21	48.01	-17.72	Peak	---	---
4	186.17	24.61	43.50	-18.89	43.36	-18.75	Peak	---	---
5	798.24	32.78	46.00	-13.22	39.43	-6.65	Peak	---	---
6	898.15	37.84	46.00	-8.16	43.20	-5.36	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

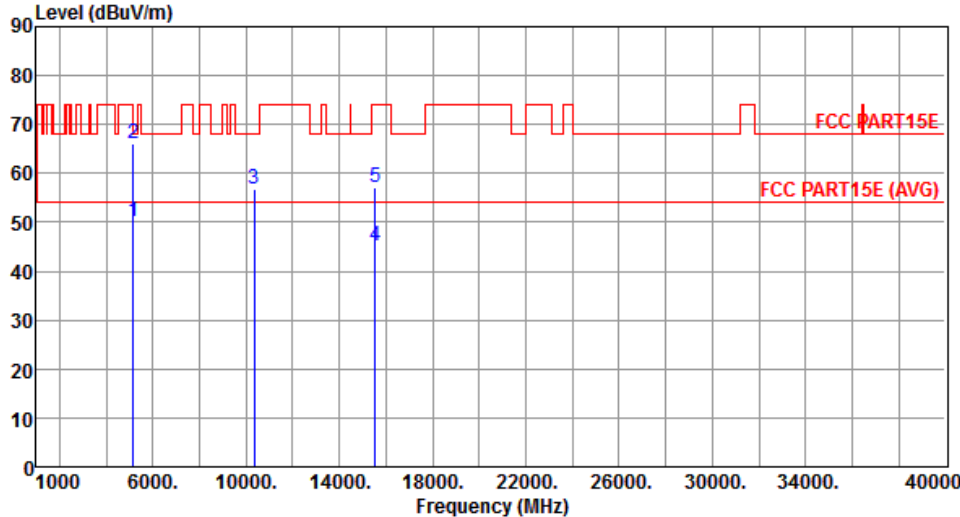
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.30 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

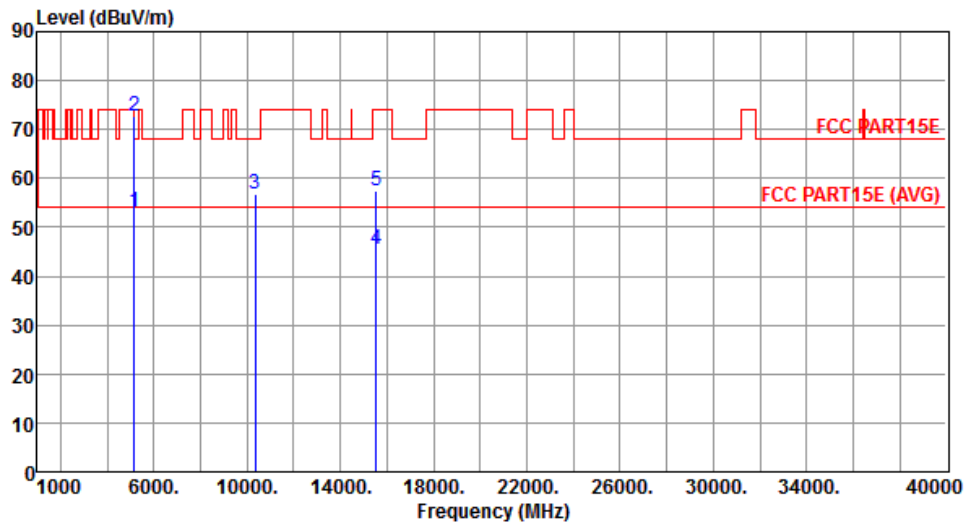
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.27	54.00	-3.73	44.81	5.46	Average	206	0
2	5150.00	66.23	74.00	-7.77	60.77	5.46	Peak	206	0
3	10360.00	56.93	68.20	-11.27	41.52	15.41	Peak	164	168
4	15540.00	45.05	54.00	-8.95	29.25	15.80	Average	156	216
5	15540.00	57.13	74.00	-16.87	41.33	15.80	Peak	156	216

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	6



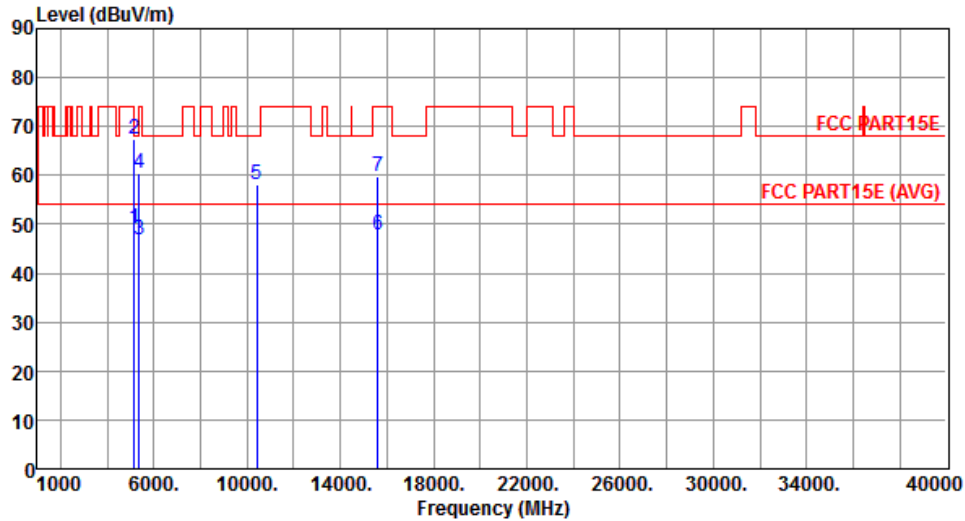
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.97	54.00	-1.03	47.51	5.46	Average	120	358
2	5150.00	72.89	74.00	-1.11	67.43	5.46	Peak	120	358
3	10360.00	56.93	68.20	-11.27	41.52	15.41	Peak	155	163
4	15540.00	45.38	54.00	-8.62	29.58	15.80	Average	138	148
5	15540.00	57.32	74.00	-16.68	41.52	15.80	Peak	138	148

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	6



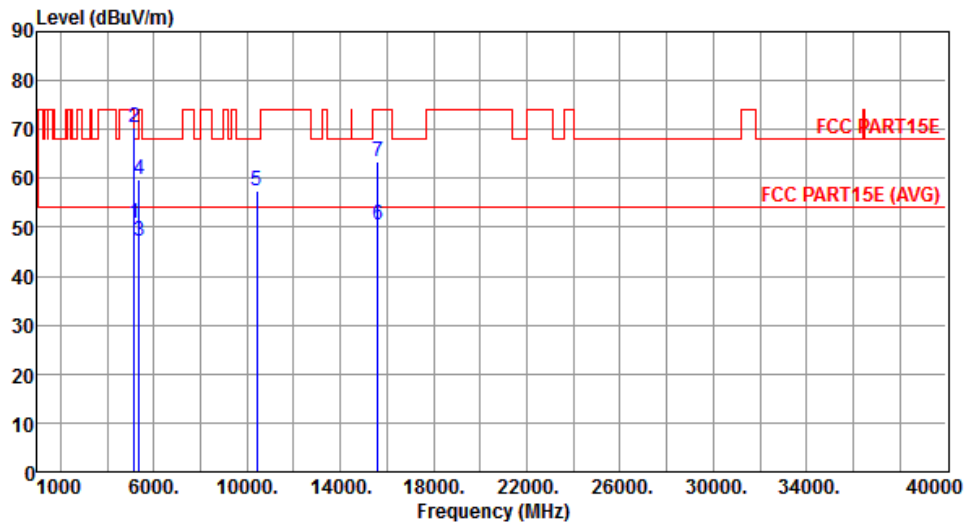
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.07	54.00	-4.93	43.61	5.46	Average	163	344
2	5150.00	67.50	74.00	-6.50	62.04	5.46	Peak	163	344
3	5350.00	46.91	54.00	-7.09	41.35	5.56	Average	163	344
4	5350.00	60.51	74.00	-13.49	54.95	5.56	Peak	163	344
5	10400.00	58.11	68.20	-10.09	42.56	15.55	Peak	155	144
6	15600.00	47.92	54.00	-6.08	32.36	15.56	Average	186	217
7	15600.00	59.89	74.00	-14.11	44.33	15.56	Peak	186	217

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	6



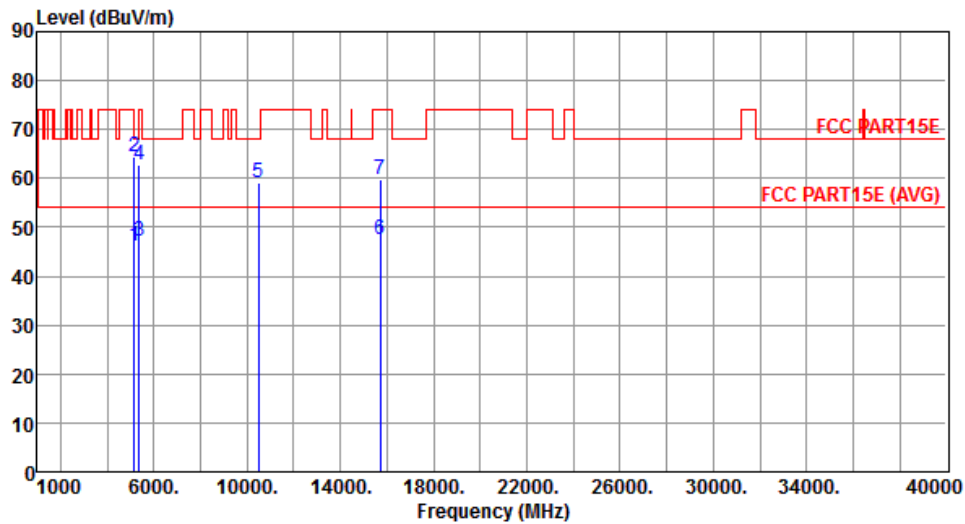
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.90	54.00	-3.10	45.44	5.46	Average	131	358
2	5150.00	70.43	74.00	-3.57	64.97	5.46	Peak	131	358
3	5350.00	47.31	54.00	-6.69	41.75	5.56	Average	104	5
4	5350.00	59.82	74.00	-14.18	54.26	5.56	Peak	104	5
5	10400.00	57.51	68.20	-10.69	41.96	15.55	Peak	166	35
6	15600.00	50.47	54.00	-3.53	34.91	15.56	Average	369	185
7	15600.00	63.44	74.00	-10.56	47.88	15.56	Peak	369	185

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	6



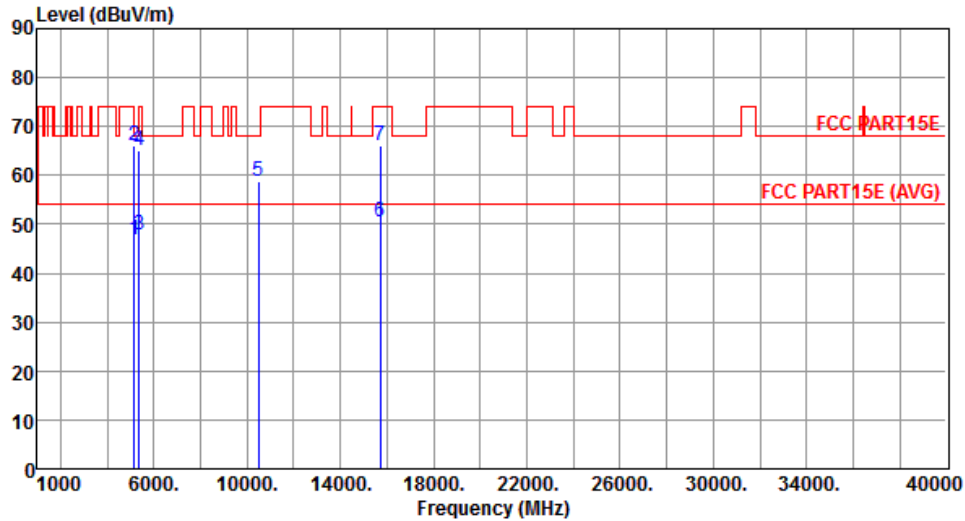
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.26	54.00	-7.74	40.80	5.46	Average	100	1
2	5150.00	64.49	74.00	-9.51	59.03	5.46	Peak	100	1
3	5350.00	47.19	54.00	-6.81	41.63	5.56	Average	100	1
4	5350.00	62.77	74.00	-11.23	57.21	5.56	Peak	100	1
5	10480.00	58.97	68.20	-9.23	43.11	15.86	Peak	241	44
6	15720.00	47.41	54.00	-6.59	32.32	15.09	Average	224	186
7	15720.00	59.69	74.00	-14.31	44.60	15.09	Peak	224	186

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	6



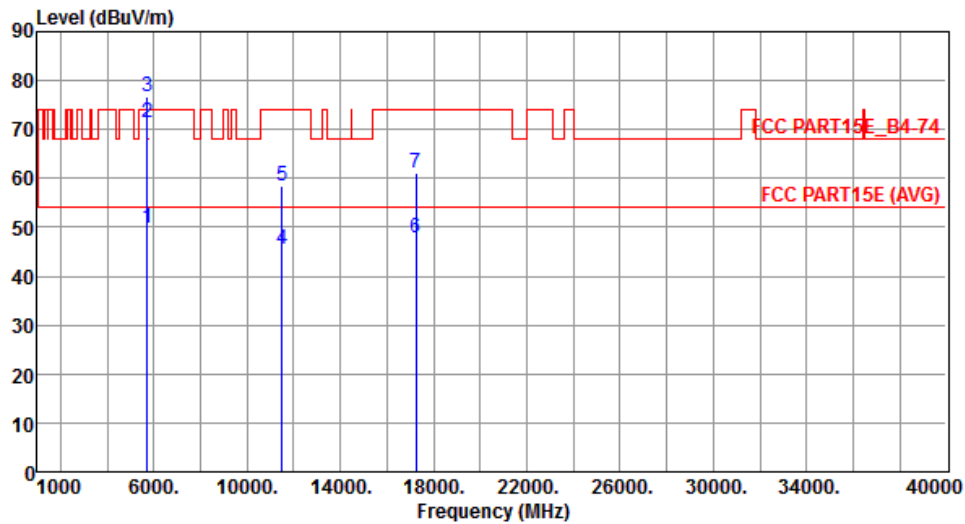
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.82	54.00	-7.18	41.36	5.46	Average	257	9
2	5150.00	65.98	74.00	-8.02	60.52	5.46	Peak	257	9
3	5350.00	47.70	54.00	-6.30	42.14	5.56	Average	257	9
4	5350.00	65.03	74.00	-8.97	59.47	5.56	Peak	257	9
5	10480.00	58.64	68.20	-9.56	42.78	15.86	Peak	224	7
6	15720.00	50.64	54.00	-3.36	35.55	15.09	Average	395	188
7	15720.00	66.01	74.00	-7.99	50.92	15.09	Peak	395	188

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	6



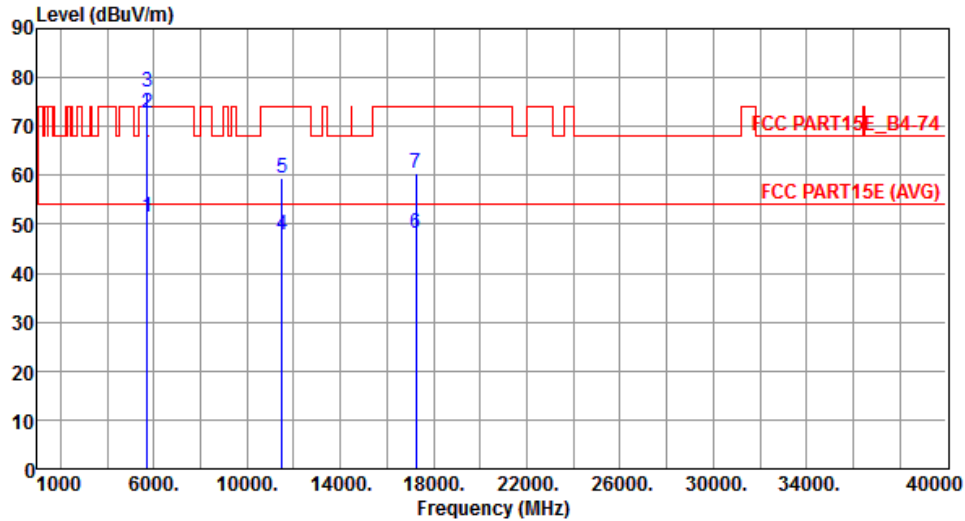
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.66	54.00	-4.34	44.01	5.65	Average	182	353
2	5715.00	71.30	74.00	-2.70	65.65	5.65	Peak	182	353
3	5725.00	76.87	78.20	-1.33	71.23	5.64	Peak	182	353
4	11490.00	45.56	54.00	-8.44	29.63	15.93	Average	184	308
5	11490.00	58.58	74.00	-15.42	42.65	15.93	Peak	184	308
6	17235.00	47.84	54.00	-6.16	28.79	19.05	Average	156	215
7	17235.00	61.06	74.00	-12.94	42.01	19.05	Peak	156	215

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	6



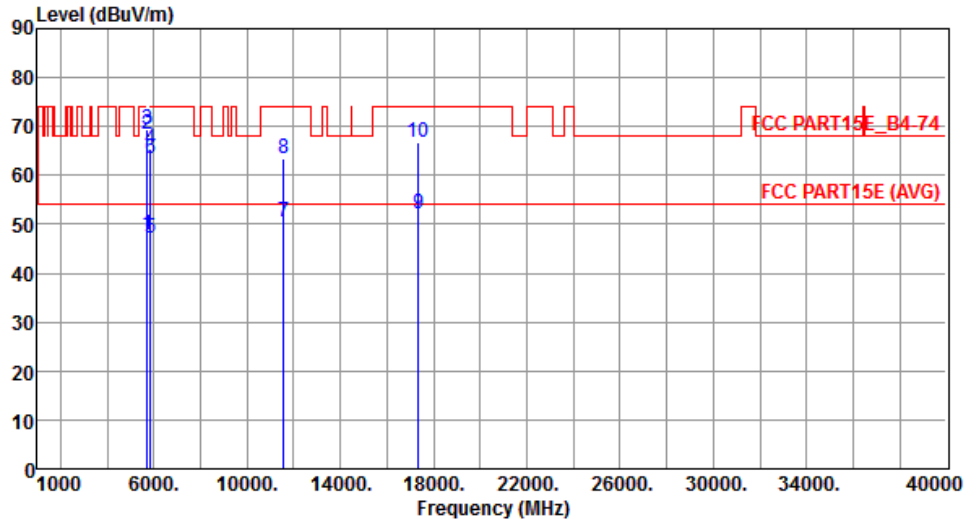
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	51.31	54.00	-2.69	45.66	5.65	Average	177	1
2	5715.00	72.64	74.00	-1.36	66.99	5.65	Peak	177	1
3	5725.00	77.20	78.20	-1.00	71.56	5.64	Peak	177	1
4	11490.00	47.68	54.00	-6.32	31.75	15.93	Average	202	309
5	11490.00	59.29	74.00	-14.71	43.36	15.93	Peak	202	309
6	17235.00	47.99	54.00	-6.01	28.94	19.05	Average	155	168
7	17235.00	60.54	74.00	-13.46	41.49	19.05	Peak	155	168

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	6



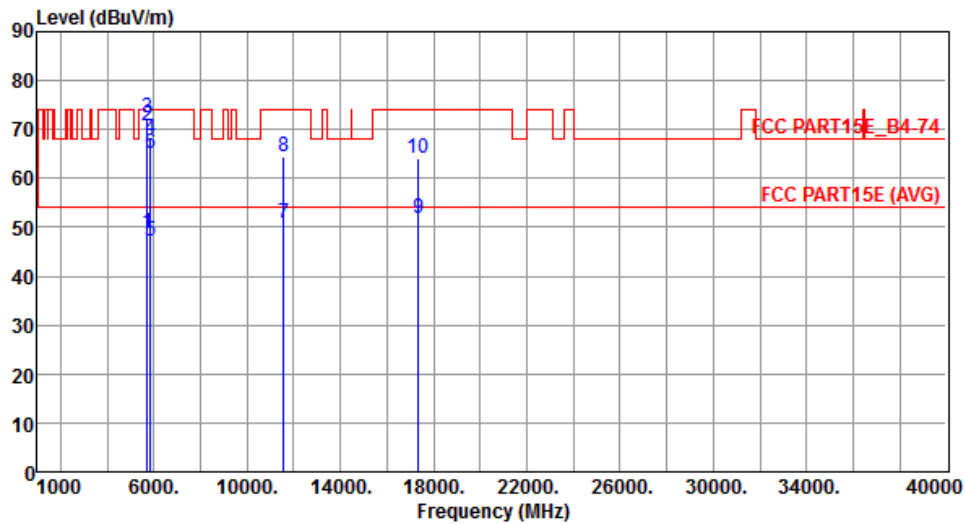
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.86	54.00	-6.14	42.21	5.65	Average	190	354
2	5715.00	68.29	74.00	-5.71	62.64	5.65	Peak	190	354
3	5725.00	69.47	78.20	-8.73	63.83	5.64	Peak	190	354
4	5850.00	65.43	78.20	-12.77	59.68	5.75	Peak	190	354
5	5860.00	47.04	54.00	-6.96	41.28	5.76	Average	190	354
6	5860.00	63.56	74.00	-10.44	57.80	5.76	Peak	190	354
7	11570.00	50.56	54.00	-3.44	34.79	15.77	Average	256	40
8	11570.00	63.49	74.00	-10.51	47.72	15.77	Peak	256	40
9	17355.00	52.26	54.00	-1.74	32.53	19.73	Average	340	184
10	17355.00	66.79	74.00	-7.21	47.06	19.73	Peak	340	184

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	6



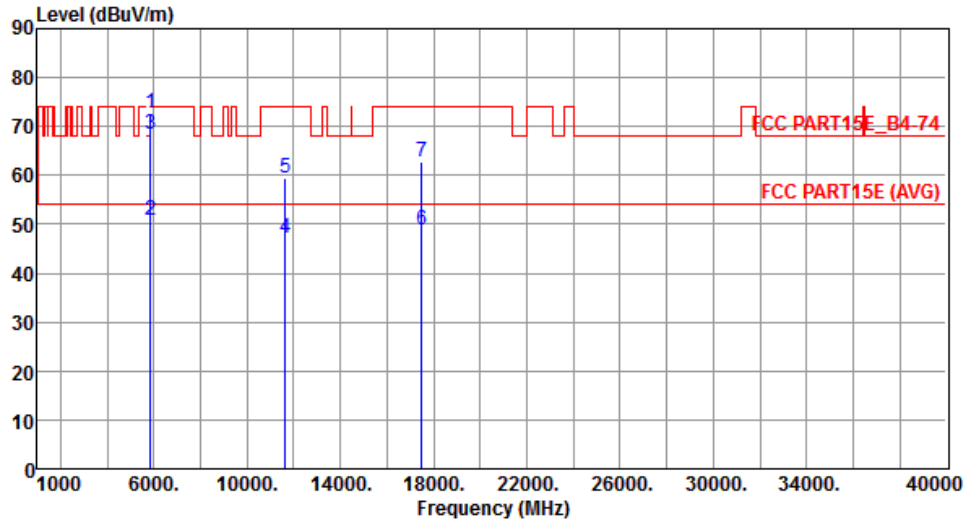
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.87	54.00	-5.13	43.22	5.65	Average	231	344
2	5715.00	70.86	74.00	-3.14	65.21	5.65	Peak	231	344
3	5725.00	72.50	78.20	-5.70	66.86	5.64	Peak	231	344
4	5850.00	67.94	78.20	-10.26	62.19	5.75	Peak	231	344
5	5860.00	47.15	54.00	-6.85	41.39	5.76	Average	231	344
6	5860.00	64.99	74.00	-9.01	59.23	5.76	Peak	231	344
7	11570.00	50.92	54.00	-3.08	35.15	15.77	Average	180	322
8	11570.00	64.26	74.00	-9.74	48.49	15.77	Peak	180	322
9	17355.00	51.85	54.00	-2.15	32.12	19.73	Average	180	316
10	17355.00	64.20	74.00	-9.80	44.47	19.73	Peak	180	316

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	6



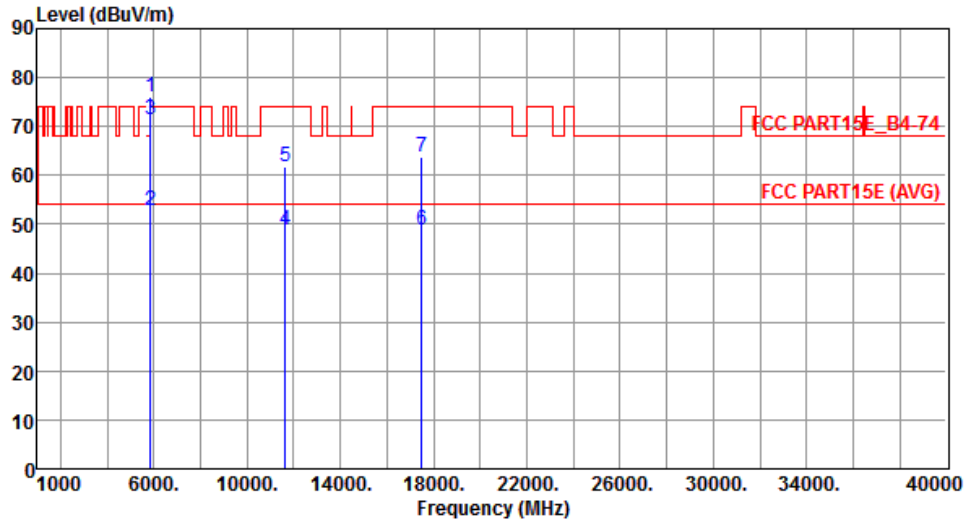
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	72.72	78.20	-5.48	66.97	5.75	Peak	174	6
2	5860.00	50.72	54.00	-3.28	44.96	5.76	Average	174	6
3	5860.00	68.36	74.00	-5.64	62.60	5.76	Peak	174	6
4	11650.00	47.27	54.00	-6.73	31.71	15.56	Average	170	310
5	11650.00	59.35	74.00	-14.65	43.79	15.56	Peak	170	310
6	17475.00	48.96	54.00	-5.04	28.54	20.42	Average	156	212
7	17475.00	62.68	74.00	-11.32	42.26	20.42	Peak	156	212

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	75.89	78.20	-2.31	70.14	5.75	Peak	181	0
2	5860.00	52.89	54.00	-1.11	47.13	5.76	Average	181	0
3	5860.00	71.30	74.00	-2.70	65.54	5.76	Peak	181	0
4	11650.00	48.82	54.00	-5.18	33.26	15.56	Average	175	310
5	11650.00	61.89	74.00	-12.11	46.33	15.56	Peak	175	310
6	17475.00	48.67	54.00	-5.33	28.25	20.42	Average	168	252
7	17475.00	63.75	74.00	-10.25	43.33	20.42	Peak	168	252

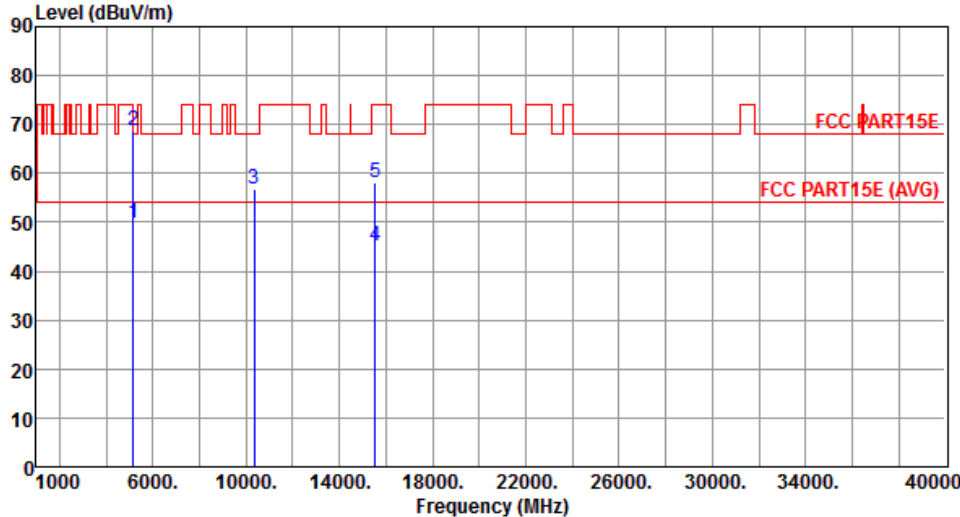
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.31 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

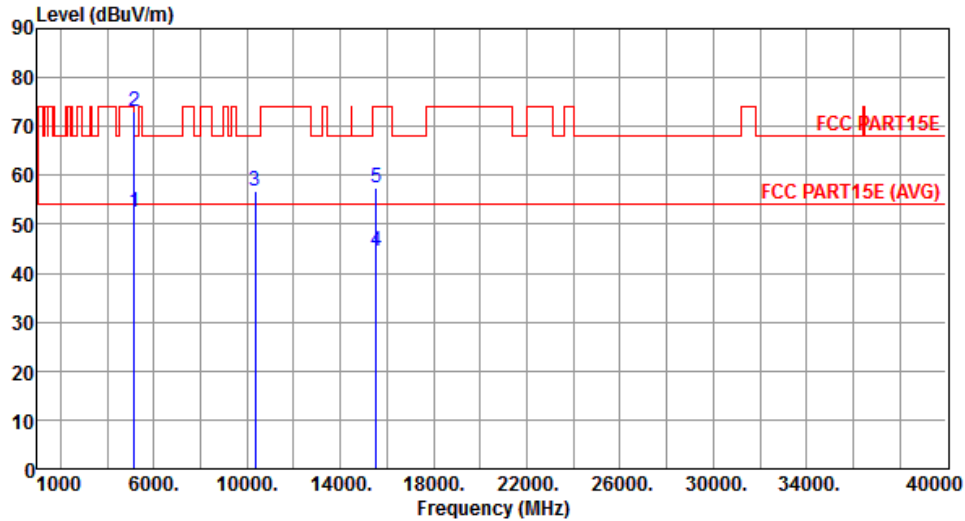
Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.87	54.00	-4.13	44.41	5.46	Average	196	351
2	5150.00	68.77	74.00	-5.23	63.31	5.46	Peak	196	351
3	10360.00	56.93	68.20	-11.27	41.52	15.41	Peak	125	156
4	15540.00	45.01	54.00	-8.99	29.21	15.80	Average	156	212
5	15540.00	58.19	74.00	-15.81	42.39	15.80	Peak	156	212

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	6



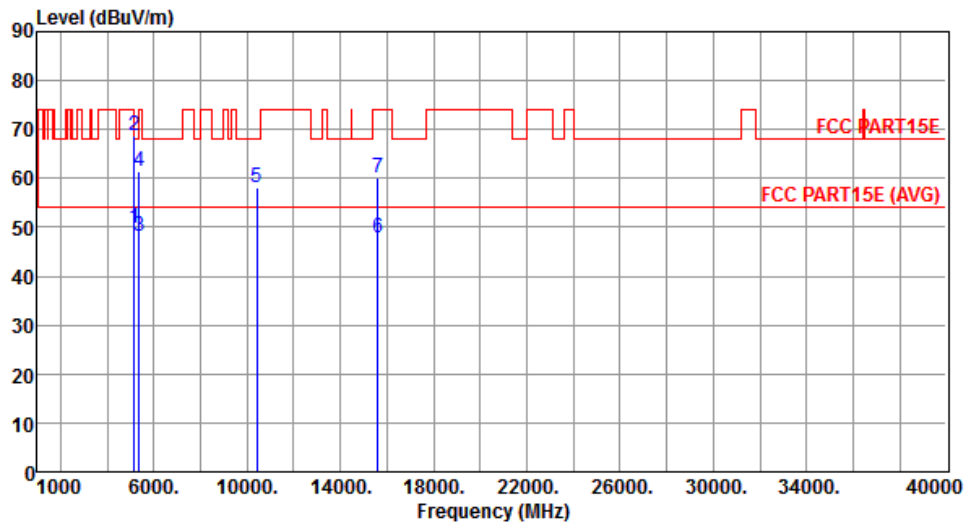
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.48	54.00	-1.52	47.02	5.46	Average	119	0
2	5150.00	72.99	74.00	-1.01	67.53	5.46	Peak	119	0
3	10360.00	56.83	68.20	-11.37	41.42	15.41	Peak	155	135
4	15540.00	44.36	54.00	-9.64	28.56	15.80	Average	155	135
5	15540.00	57.41	74.00	-16.59	41.61	15.80	Peak	155	135

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	6



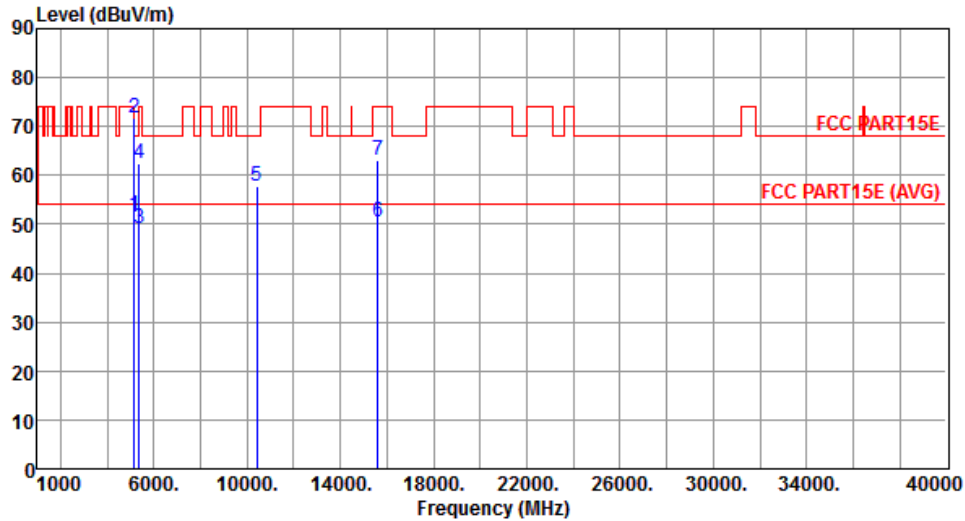
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	49.88	54.00	-4.12	44.42	5.46	Average	161	2
2	5150.00	68.82	74.00	-5.18	63.36	5.46	Peak	161	2
3	5350.00	48.11	54.00	-5.89	42.55	5.56	Average	161	2
4	5350.00	61.48	74.00	-12.52	55.92	5.56	Peak	161	2
5	10400.00	58.20	68.20	-10.00	42.65	15.55	Peak	155	168
6	15600.00	47.81	54.00	-6.19	32.25	15.56	Average	196	222
7	15600.00	60.10	74.00	-13.90	44.54	15.56	Peak	196	222

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical	Test Configuration	6



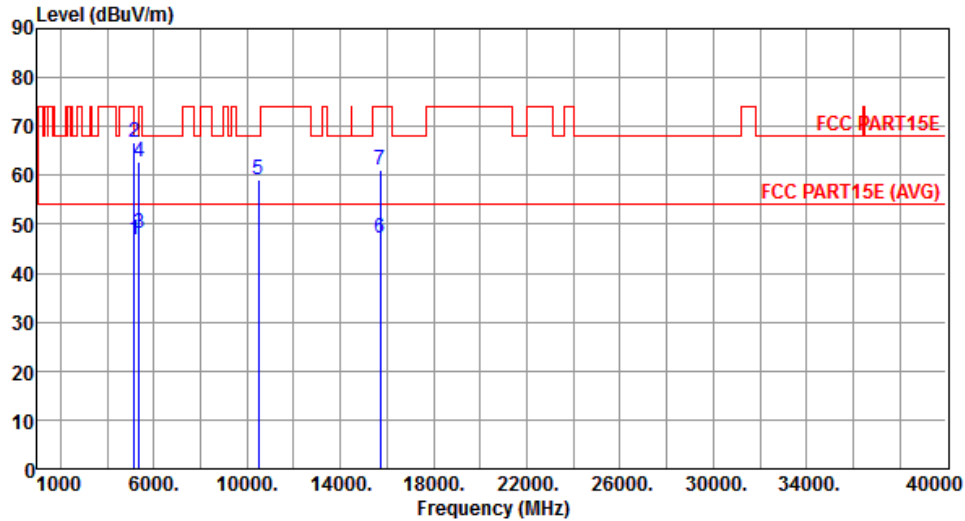
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	51.69	54.00	-2.31	46.23	5.46	Average	106	0
2	5150.00	71.86	74.00	-2.14	66.40	5.46	Peak	106	0
3	5350.00	49.20	54.00	-4.80	43.64	5.56	Average	106	0
4	5350.00	62.51	74.00	-11.49	56.95	5.56	Peak	106	0
5	10400.00	57.67	68.20	-10.53	42.12	15.55	Peak	156	173
6	15600.00	50.39	54.00	-3.61	34.83	15.56	Average	352	182
7	15600.00	63.19	74.00	-10.81	47.63	15.56	Peak	352	182

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	6



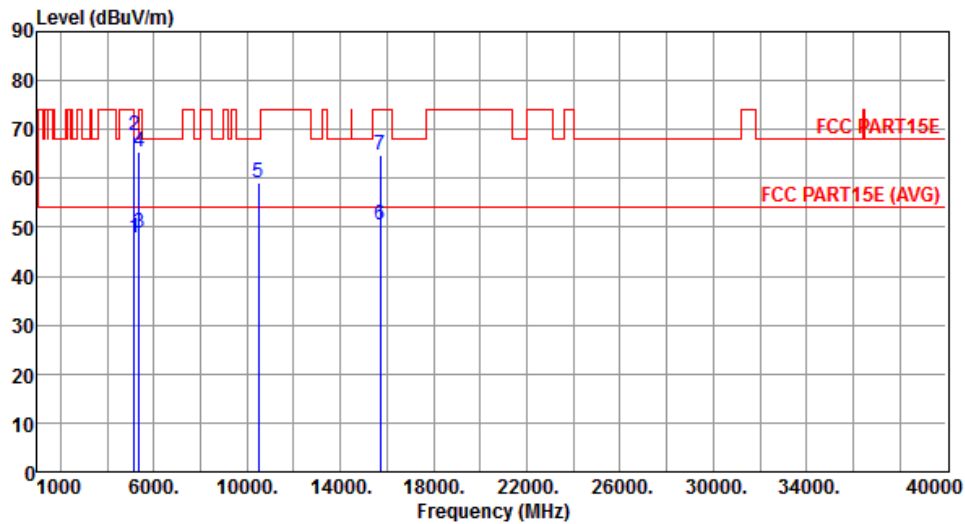
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.89	54.00	-7.11	41.43	5.46	Average	164	345
2	5150.00	66.75	74.00	-7.25	61.29	5.46	Peak	164	345
3	5350.00	48.05	54.00	-5.95	42.49	5.56	Average	164	345
4	5350.00	62.90	74.00	-11.10	57.34	5.56	Peak	164	345
5	10480.00	59.00	68.20	-9.20	43.14	15.86	Peak	204	56
6	15720.00	47.20	54.00	-6.80	32.11	15.09	Average	204	189
7	15720.00	61.16	74.00	-12.84	46.07	15.09	Peak	204	189

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	6



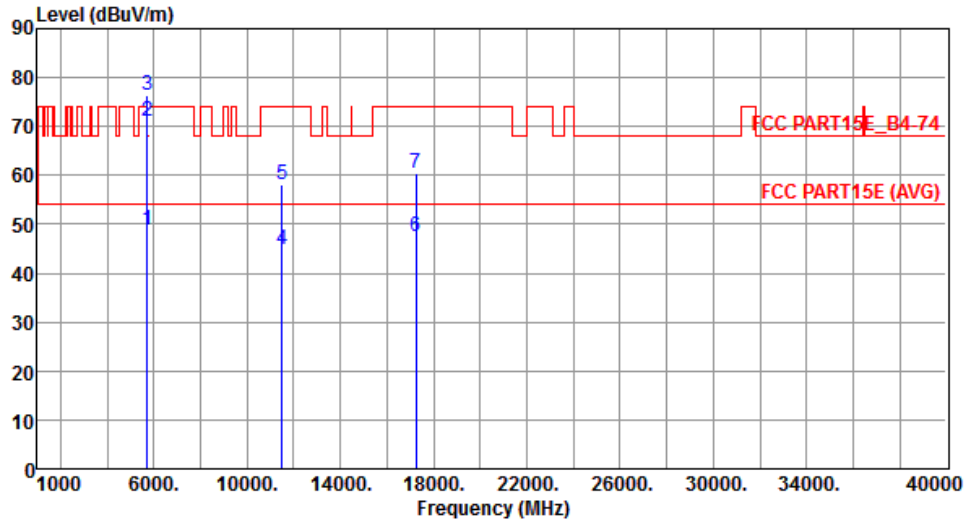
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	47.87	54.00	-6.13	42.41	5.46	Average	153	341
2	5150.00	68.64	74.00	-5.36	63.18	5.46	Peak	153	341
3	5350.00	48.76	54.00	-5.24	43.20	5.56	Average	153	341
4	5350.00	65.37	74.00	-8.63	59.81	5.56	Peak	153	341
5	10480.00	59.13	68.20	-9.07	43.27	15.86	Peak	223	343
6	15720.00	50.60	54.00	-3.40	35.51	15.09	Average	313	188
7	15720.00	64.67	74.00	-9.33	49.58	15.09	Peak	313	188

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	6



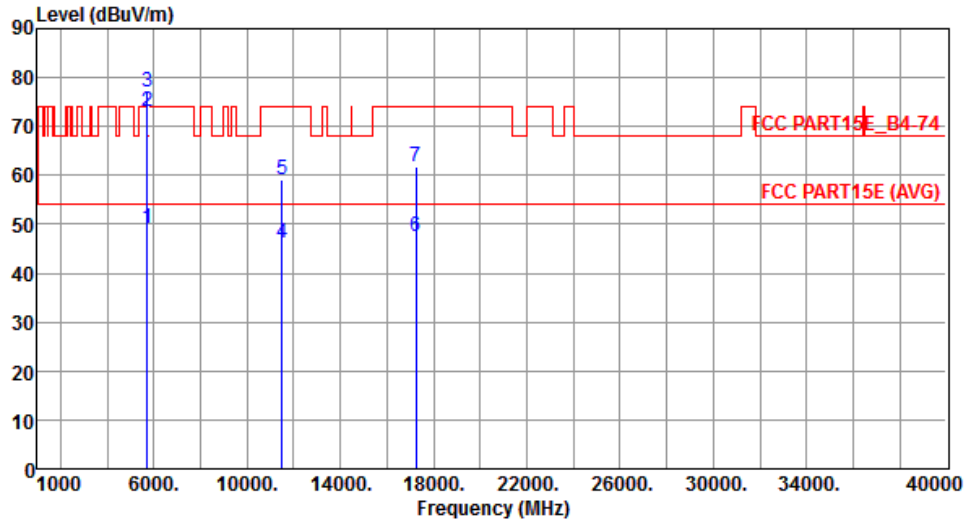
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.88	54.00	-5.12	43.23	5.65	Average	202	14
2	5715.00	70.99	74.00	-3.01	65.34	5.65	Peak	202	14
3	5725.00	76.23	78.20	-1.97	70.59	5.64	Peak	202	14
4	11490.00	44.89	54.00	-9.11	28.96	15.93	Average	202	352
5	11490.00	58.05	74.00	-15.95	42.12	15.93	Peak	202	352
6	17235.00	47.57	54.00	-6.43	28.52	19.05	Average	154	156
7	17235.00	60.37	74.00	-13.63	41.32	19.05	Peak	154	156

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	6



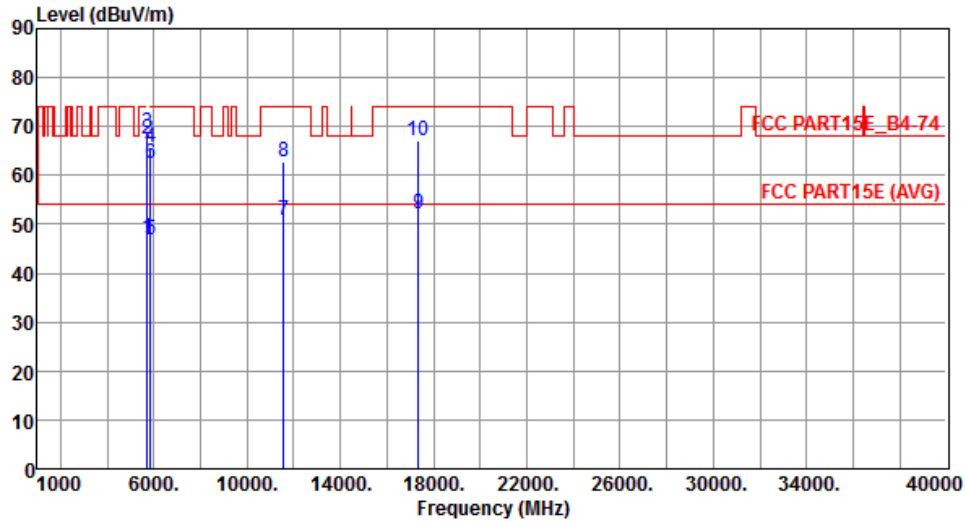
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.20	54.00	-4.80	43.55	5.65	Average	154	1
2	5715.00	72.99	74.00	-1.01	67.34	5.65	Peak	154	1
3	5725.00	77.17	78.20	-1.03	71.53	5.64	Peak	154	1
4	11490.00	46.29	54.00	-7.71	30.36	15.93	Average	203	313
5	11490.00	59.05	74.00	-14.95	43.12	15.93	Peak	203	313
6	17235.00	47.57	54.00	-6.43	28.52	19.05	Average	152	132
7	17235.00	61.91	74.00	-12.09	42.86	19.05	Peak	152	132

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	6



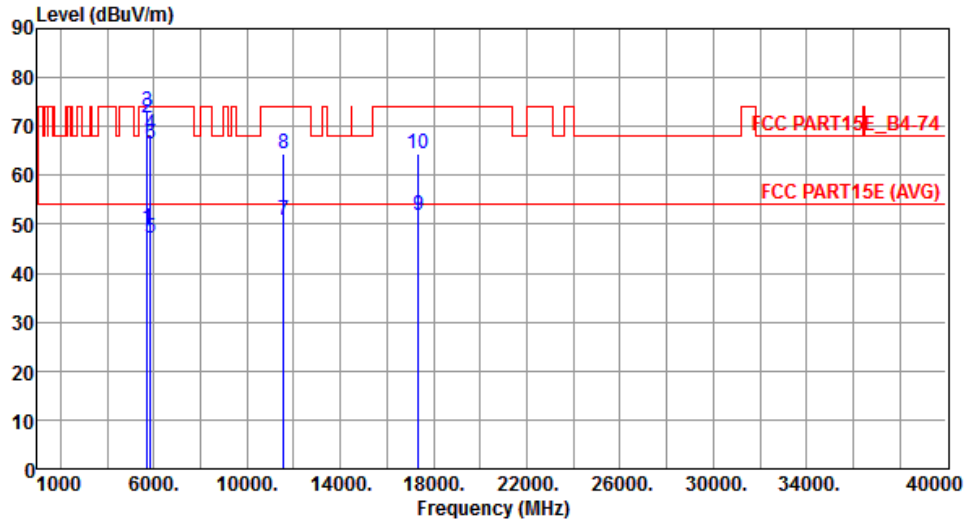
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	47.30	54.00	-6.70	41.65	5.65	Average	190	10
2	5715.00	67.52	74.00	-6.48	61.87	5.65	Peak	190	10
3	5725.00	68.64	78.20	-9.56	63.00	5.64	Peak	190	10
4	5850.00	65.68	78.20	-12.52	59.93	5.75	Peak	190	10
5	5860.00	46.67	54.00	-7.33	40.91	5.76	Average	190	10
6	5860.00	62.35	74.00	-11.65	56.59	5.76	Peak	190	10
7	11570.00	50.70	54.00	-3.30	34.93	15.77	Average	256	6
8	11570.00	62.81	74.00	-11.19	47.04	15.77	Peak	256	6
9	17355.00	52.14	54.00	-1.86	32.41	19.73	Average	359	187
10	17355.00	67.04	74.00	-6.96	47.31	19.73	Peak	359	187

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	6



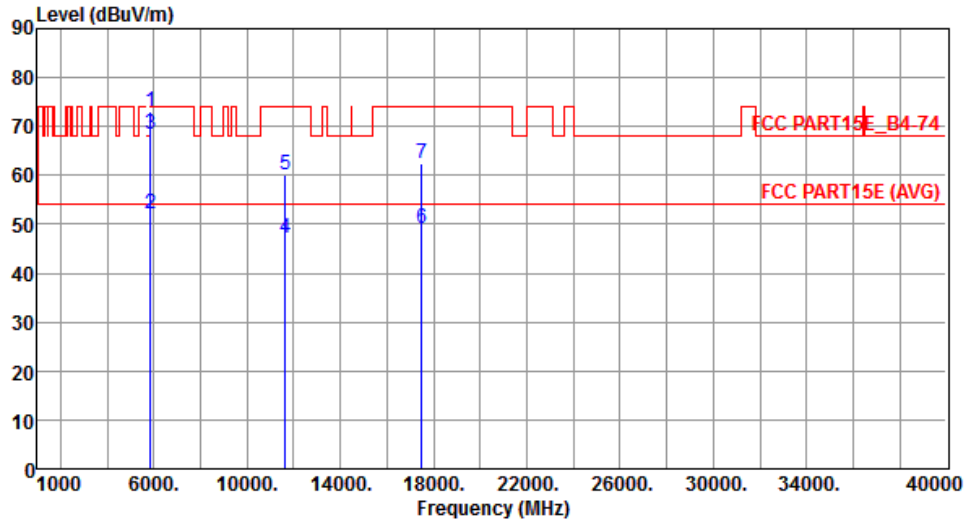
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	49.23	54.00	-4.77	43.58	5.65	Average	146	1
2	5715.00	71.87	74.00	-2.13	66.22	5.65	Peak	146	1
3	5725.00	72.90	78.20	-5.30	67.26	5.64	Peak	146	1
4	5850.00	68.42	78.20	-9.78	62.67	5.75	Peak	180	353
5	5860.00	47.09	54.00	-6.91	41.33	5.76	Average	180	353
6	5860.00	66.32	74.00	-7.68	60.56	5.76	Peak	180	353
7	11570.00	50.98	54.00	-3.02	35.21	15.77	Average	188	326
8	11570.00	64.29	74.00	-9.71	48.52	15.77	Peak	188	326
9	17355.00	51.94	54.00	-2.06	32.21	19.73	Average	180	353
10	17355.00	64.26	74.00	-9.74	44.53	19.73	Peak	180	353

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	6



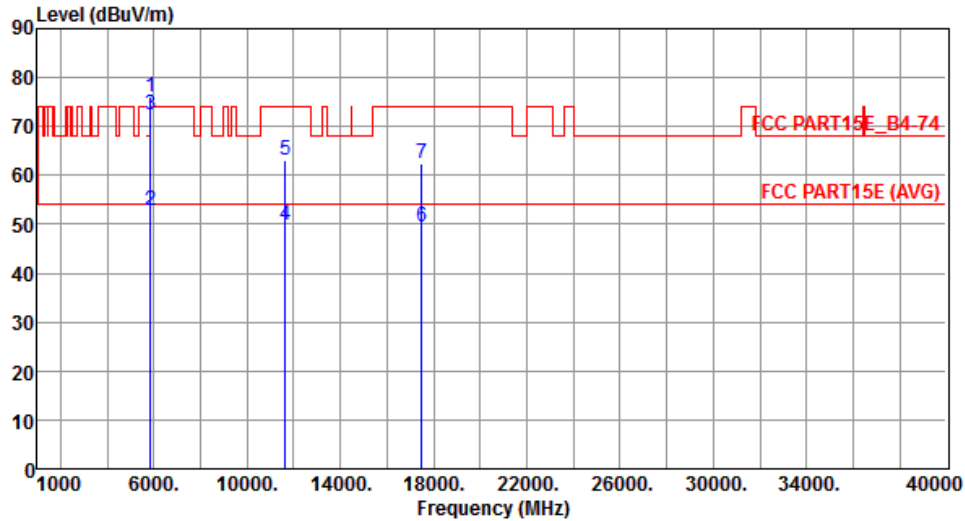
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	73.14	78.20	-5.06	67.39	5.75	Peak	205	5
2	5860.00	51.98	54.00	-2.02	46.22	5.76	Average	205	5
3	5860.00	68.58	74.00	-5.42	62.82	5.76	Peak	205	5
4	11650.00	47.32	54.00	-6.68	31.76	15.56	Average	205	60
5	11650.00	60.11	74.00	-13.89	44.55	15.56	Peak	205	60
6	17475.00	49.13	54.00	-4.87	28.71	20.42	Average	205	235
7	17475.00	62.59	74.00	-11.41	42.17	20.42	Peak	205	235

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	76.07	78.20	-2.13	70.32	5.75	Peak	126	18
2	5860.00	52.97	54.00	-1.03	47.21	5.76	Average	126	0
3	5860.00	72.53	74.00	-1.47	66.77	5.76	Peak	126	0
4	11650.00	49.72	54.00	-4.28	34.16	15.56	Average	200	324
5	11650.00	63.12	74.00	-10.88	47.56	15.56	Peak	200	324
6	17475.00	49.33	54.00	-4.67	28.91	20.42	Average	237	91
7	17475.00	62.33	74.00	-11.67	41.91	20.42	Peak	237	91

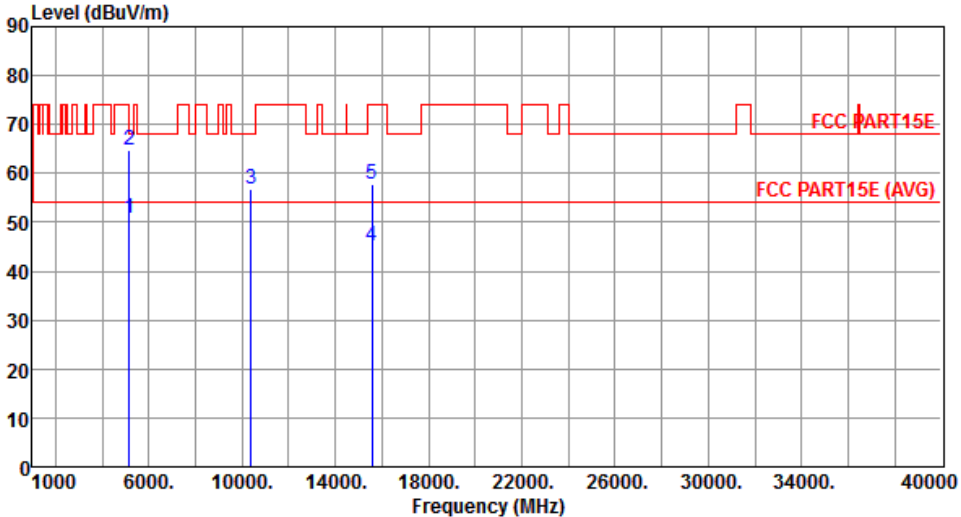
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.32 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

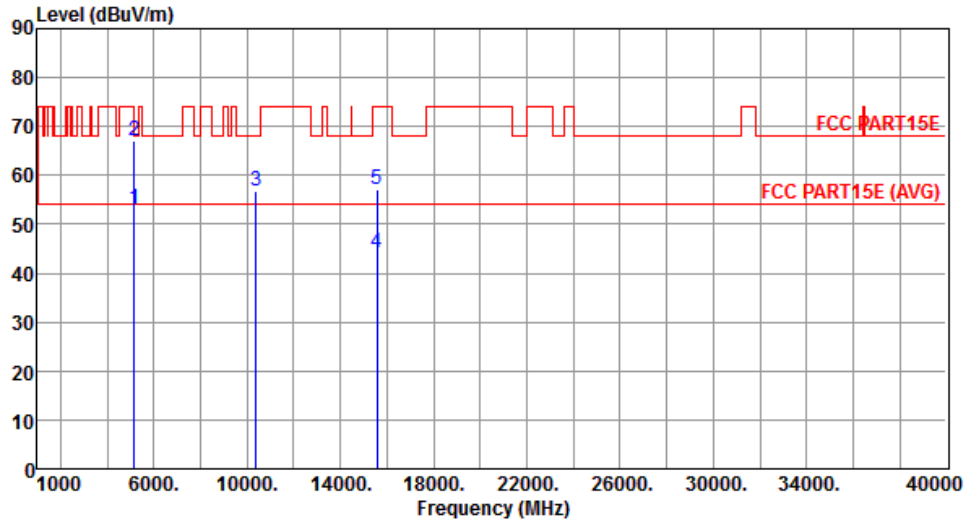
Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.87	54.00	-3.13	45.41	5.46	Average	166	348
2	5150.00	64.62	74.00	-9.38	59.16	5.46	Peak	166	348
3	10380.00	56.81	68.20	-11.39	41.33	15.48	Peak	156	218
4	15570.00	45.04	54.00	-8.96	29.36	15.68	Average	166	265
5	15570.00	57.76	74.00	-16.24	42.08	15.68	Peak	166	265

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	6



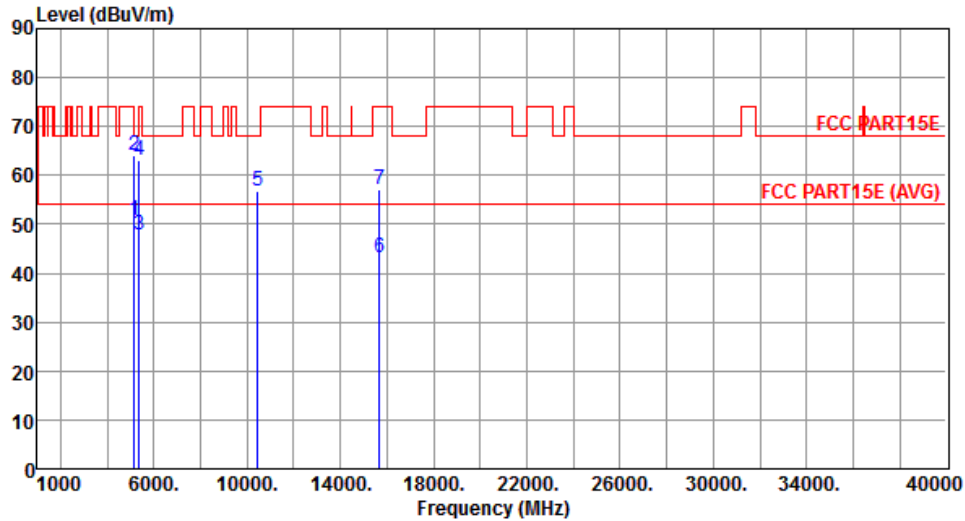
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.99	54.00	-1.01	47.53	5.46	Average	179	0
2	5150.00	67.09	74.00	-6.91	61.63	5.46	Peak	179	0
3	10380.00	56.81	68.20	-11.39	41.33	15.48	Peak	128	126
4	15570.00	44.22	54.00	-9.78	28.54	15.68	Average	153	168
5	15570.00	57.04	74.00	-16.96	41.36	15.68	Peak	153	168

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal	Test Configuration	6



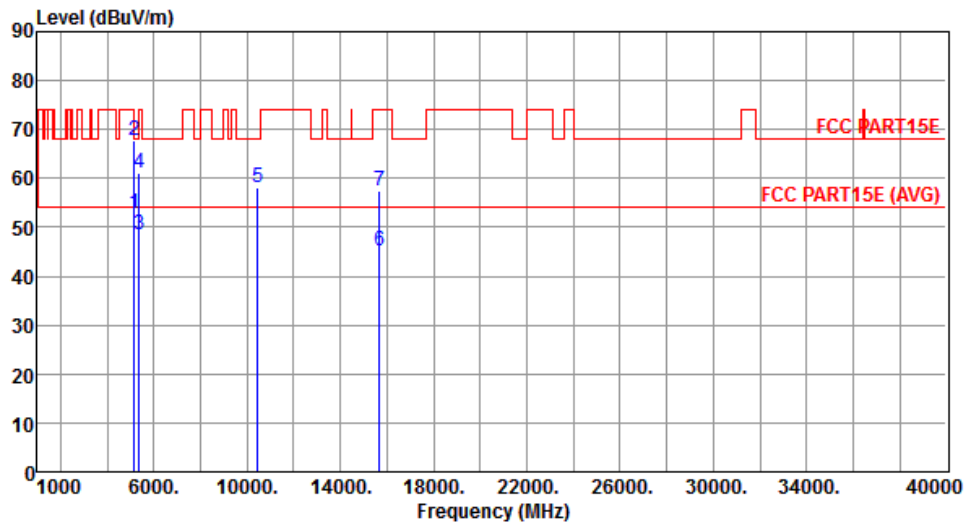
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.91	54.00	-3.09	45.45	5.46	Average	165	5
2	5150.00	64.11	74.00	-9.89	58.65	5.46	Peak	165	5
3	5350.00	47.93	54.00	-6.07	42.37	5.56	Average	165	5
4	5350.00	63.16	74.00	-10.84	57.60	5.56	Peak	165	5
5	10460.00	56.85	68.20	-11.35	41.07	15.78	Peak	143	215
6	15690.00	43.26	54.00	-10.74	28.05	15.21	Average	156	212
7	15690.00	57.06	74.00	-16.94	41.85	15.21	Peak	156	212

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical	Test Configuration	6



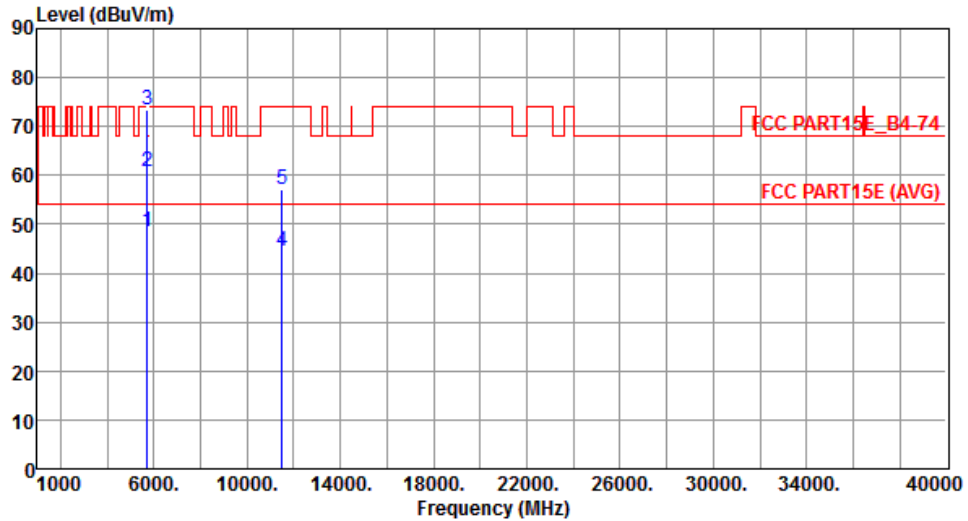
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.69	54.00	-1.31	47.23	5.46	Average	124	354
2	5150.00	67.69	74.00	-6.31	62.23	5.46	Peak	124	354
3	5350.00	48.59	54.00	-5.41	43.03	5.56	Average	124	354
4	5350.00	61.26	74.00	-12.74	55.70	5.56	Peak	124	354
5	10460.00	58.14	68.20	-10.06	42.36	15.78	Peak	168	212
6	15690.00	45.18	54.00	-8.82	29.97	15.21	Average	351	187
7	15690.00	57.51	74.00	-16.49	42.30	15.21	Peak	351	187

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	6



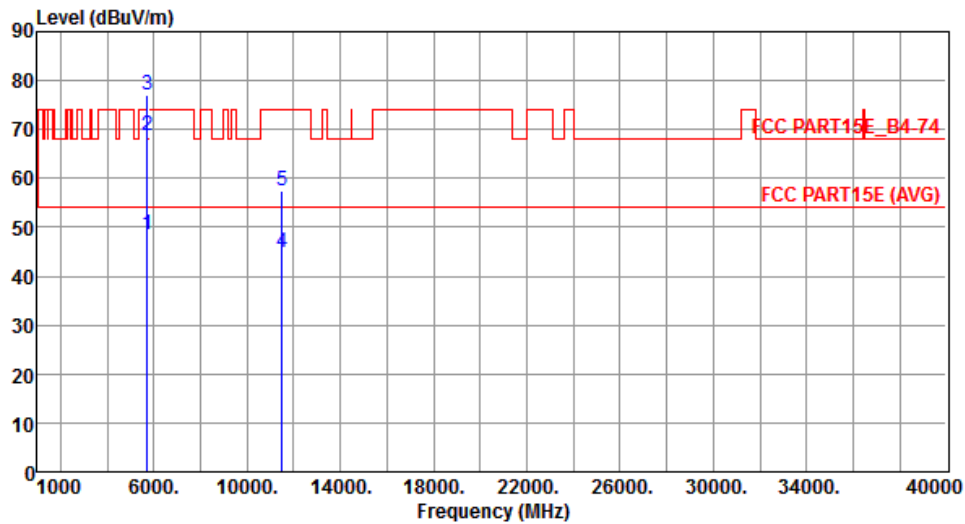
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.35	54.00	-5.65	42.70	5.65	Average	140	7
2	5715.00	60.69	74.00	-13.31	55.04	5.65	Peak	140	7
3	5725.00	73.51	78.20	-4.69	67.87	5.64	Peak	140	7
4	11510.00	44.44	54.00	-9.56	28.52	15.92	Average	156	162
5	11510.00	57.25	74.00	-16.75	41.33	15.92	Peak	156	162

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	6



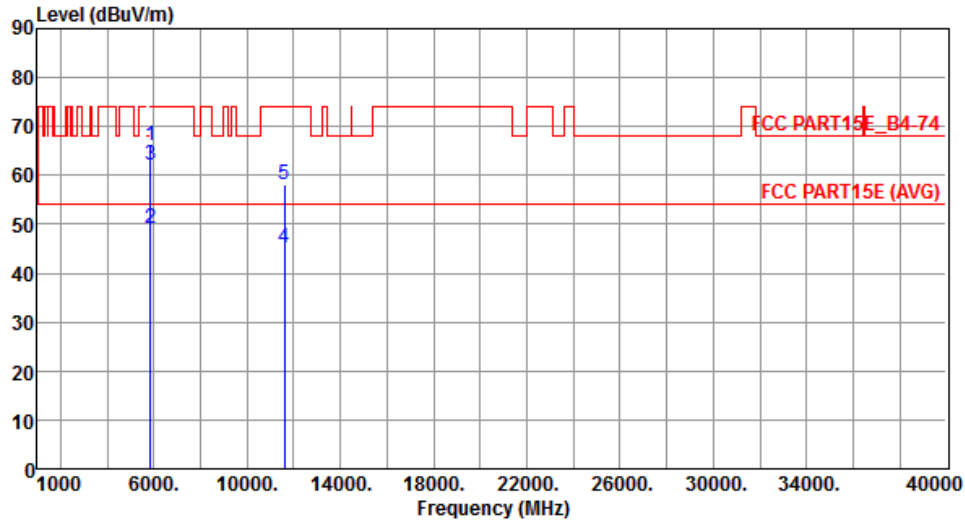
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	48.38	54.00	-5.62	42.73	5.65	Average	185	0
2	5715.00	68.68	74.00	-5.32	63.03	5.65	Peak	185	0
3	5725.00	77.17	78.20	-1.03	71.53	5.64	Peak	185	0
4	11510.00	45.00	54.00	-9.00	29.08	15.92	Average	166	125
5	11510.00	57.44	74.00	-16.56	41.52	15.92	Peak	166	125

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal	Test Configuration	6



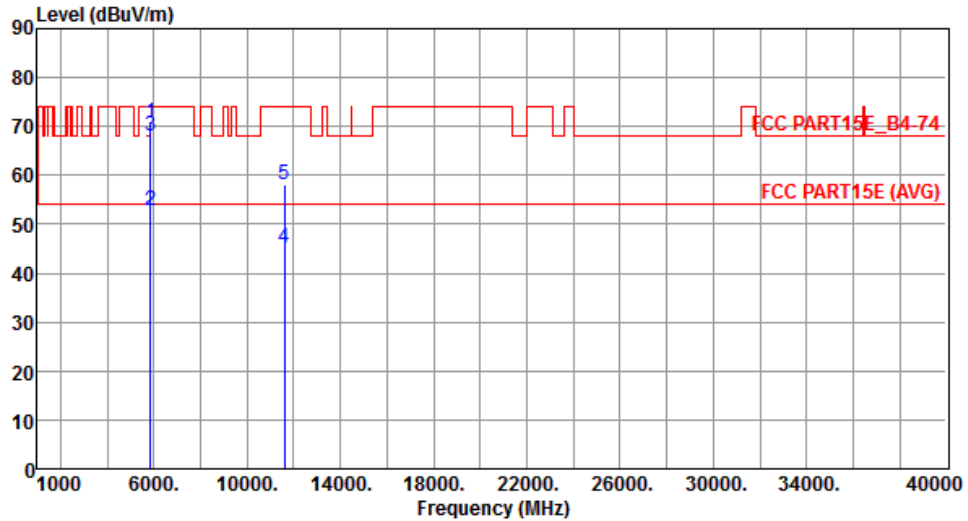
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	66.06	78.20	-12.14	60.31	5.75	Peak	166	1
2	5860.00	49.29	54.00	-4.71	43.53	5.76	Average	166	1
3	5860.00	62.03	74.00	-11.97	56.27	5.76	Peak	166	1
4	11590.00	45.25	54.00	-8.75	29.54	15.71	Average	153	212
5	11590.00	58.05	74.00	-15.95	42.34	15.71	Peak	153	212

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5850.00	70.60	78.20	-7.60	64.85	5.75	Peak	161	9
2	5860.00	52.94	54.00	-1.06	47.18	5.76	Average	161	9
3	5860.00	67.98	74.00	-6.02	62.22	5.76	Peak	161	9
4	11590.00	45.26	54.00	-8.74	29.55	15.71	Average	182	200
5	11590.00	58.16	74.00	-15.84	42.45	15.71	Peak	182	200

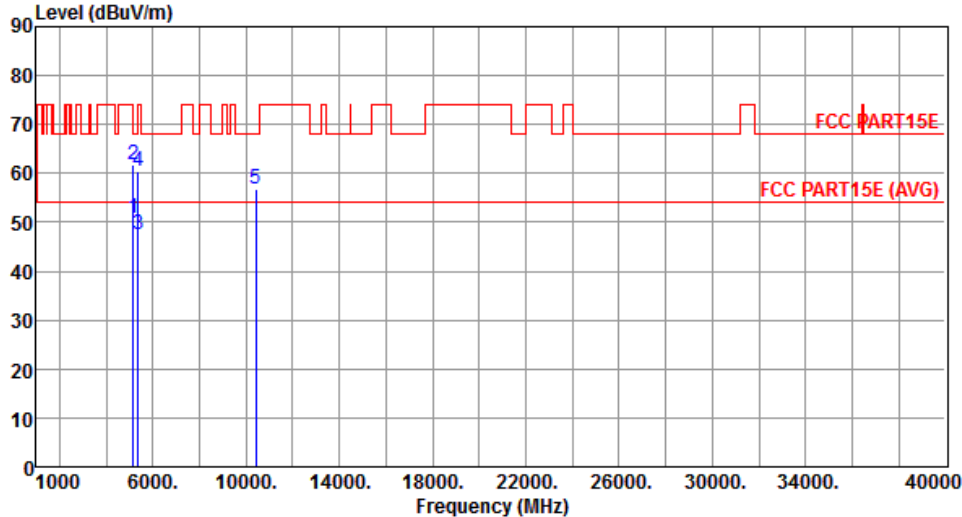
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.33 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

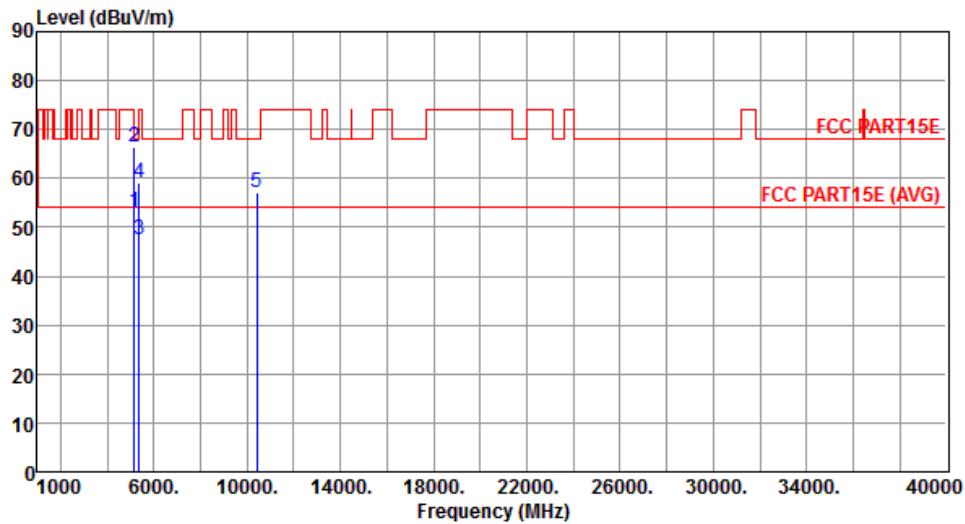
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	50.82	54.00	-3.18	45.36	5.46	Average	161	2
2	5150.00	61.90	74.00	-12.10	56.44	5.46	Peak	161	2
3	5350.00	47.37	54.00	-6.63	41.81	5.56	Average	161	2
4	5350.00	60.33	74.00	-13.67	54.77	5.56	Peak	161	2
5	10420.00	56.95	68.20	-11.25	41.32	15.63	Peak	155	138

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	6



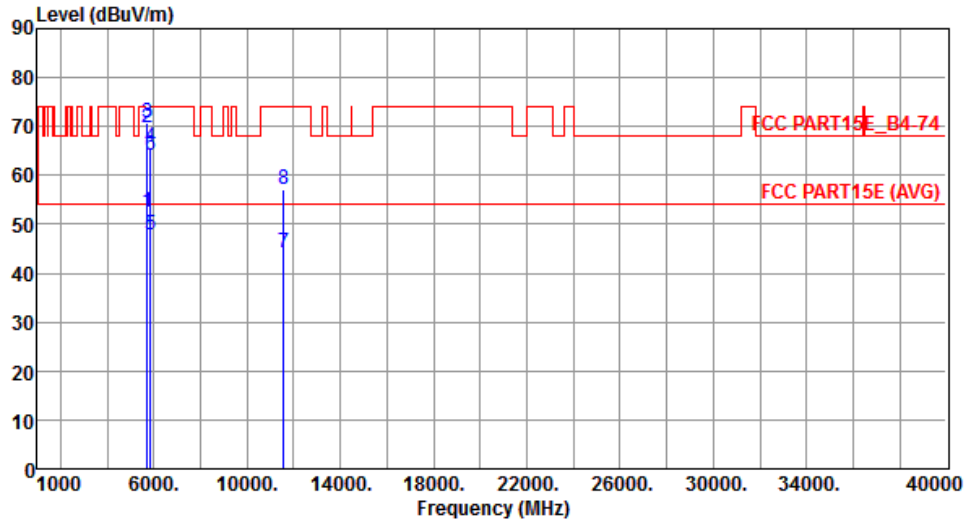
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.98	54.00	-1.02	47.52	5.46	Average	140	353
2	5150.00	66.32	74.00	-7.68	60.86	5.46	Peak	140	353
3	5350.00	47.45	54.00	-6.55	41.89	5.56	Average	140	353
4	5350.00	59.26	74.00	-14.74	53.70	5.56	Peak	140	353
5	10420.00	56.98	68.20	-11.22	41.35	15.63	Peak	138	156

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal	Test Configuration	6



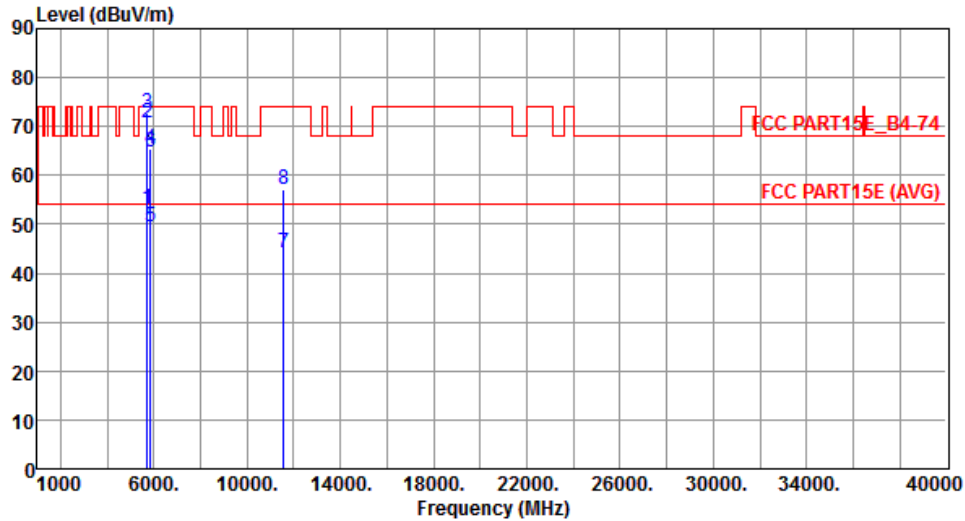
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.45	54.00	-1.55	46.80	5.65	Average	170	355
2	5715.00	69.74	74.00	-4.26	64.09	5.65	Peak	170	355
3	5725.00	70.87	78.20	-7.33	65.23	5.64	Peak	170	355
4	5850.00	65.71	78.20	-12.49	59.96	5.75	Peak	170	355
5	5860.00	47.77	54.00	-6.23	42.01	5.76	Average	170	355
6	5860.00	63.99	74.00	-10.01	58.23	5.76	Peak	170	355
7	11550.00	44.27	54.00	-9.73	28.46	15.81	Average	156	138
8	11550.00	57.28	74.00	-16.72	41.47	15.81	Peak	156	138

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical	Test Configuration	6



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5715.00	52.97	54.00	-1.03	47.32	5.65	Average	167	7
2	5715.00	70.76	74.00	-3.24	65.11	5.65	Peak	167	7
3	5725.00	72.64	78.20	-5.56	67.00	5.64	Peak	167	7
4	5850.00	65.51	78.20	-12.69	59.76	5.75	Peak	167	7
5	5860.00	49.33	54.00	-4.67	43.57	5.76	Average	167	7
6	5860.00	64.77	74.00	-9.23	59.01	5.76	Peak	167	7
7	11550.00	44.17	54.00	-9.83	28.36	15.81	Average	146	212
8	11550.00	57.17	74.00	-16.83	41.36	15.81	Peak	146	212

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.6 Frequency Stability

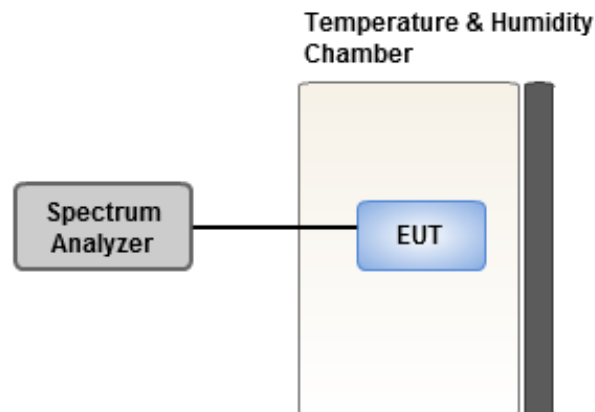
3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.6.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage. Change setting of chamber and external power source to complete all conditions.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Frequency: 5200 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	0.13	0.04	-0.07	0.28
T20°C Vmin	0.33	0.66	0.49	0.77
T50°C Vnom	1.11	1.38	1.14	0.95
T40°C Vnom	0.51	0.67	0.97	0.93
T30°C Vnom	-0.03	-0.32	0.01	-0.24
T20°C Vnom	0.50	0.84	0.35	0.78
T10°C Vnom	0.59	0.44	0.09	0.61
T0°C Vnom	0.05	0.24	0.11	0.14
T-10°C Vnom	0.31	0.41	0.29	0.92
T-20°C Vnom	0.66	0.61	0.62	1.08
T-30°C Vnom	0.24	0.59	0.03	0.69
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	4.79	5.13	5.40	4.43
T20°C Vmin	4.24	4.76	4.86	4.26
T50°C Vnom	3.32	3.54	3.34	3.69
T40°C Vnom	2.59	2.72	2.40	2.41
T30°C Vnom	2.73	2.84	3.16	2.72
T20°C Vnom	3.05	3.15	3.27	3.53
T10°C Vnom	2.83	3.23	3.23	3.33
T0°C Vnom	2.41	2.16	2.84	2.24
T-10°C Vnom	1.50	1.72	1.18	1.69
T-20°C Vnom	0.13	0.56	0.58	0.64
T-30°C Vnom	0.99	1.33	1.11	1.16
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan,
R.O.C.

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd
St., Kwei Shan Hsiang, Tao Yuan
Hsien 333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan Hsiang, Tao Yuan
Hsien 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

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