

Modulation	VHT40	Test Freq. (MHz)	5710
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		
 			

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		
Level (dBUV/m)			

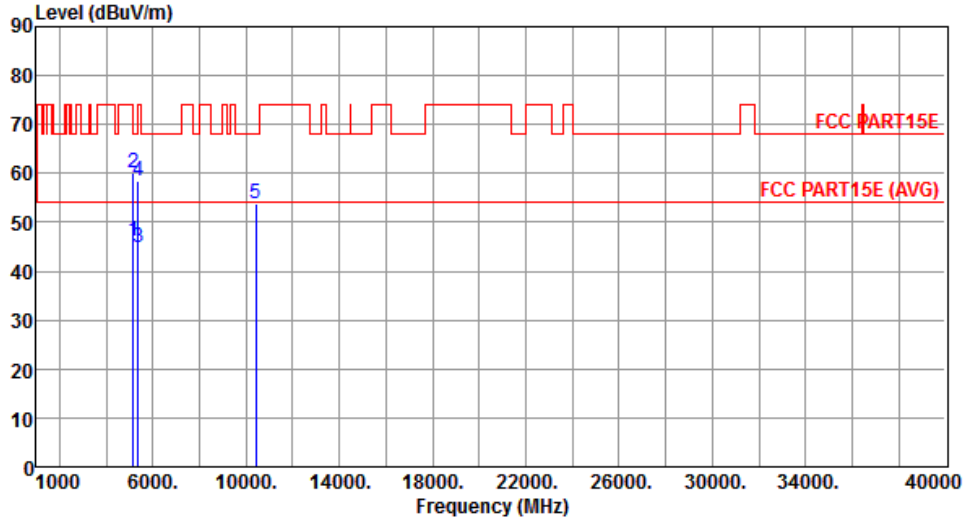
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Vertical		
Level (dBuV/m) <			

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

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		
Level (dBuV/m) </			

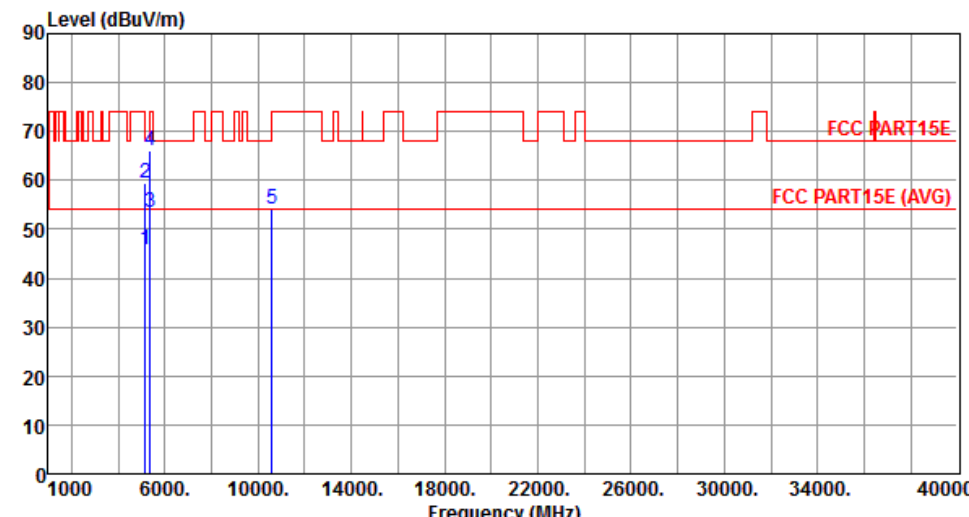
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		



	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	46.04	54.00	-7.96	41.02	5.02	Average	144	117
2	5150.00	60.01	74.00	-13.99	54.99	5.02	Peak	144	117
3	5350.00	44.87	54.00	-9.13	39.56	5.31	Average	144	117
4	5350.00	58.35	74.00	-15.65	53.04	5.31	Peak	144	117
5	10420.00	53.84	68.20	-14.36	40.06	13.78	Peak	135	314

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).

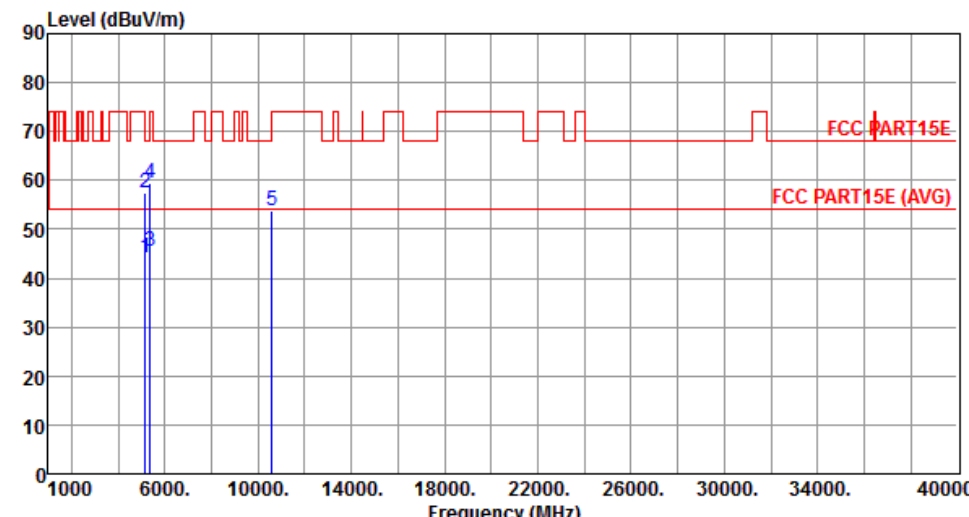
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		



	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	45.91	54.00	-8.09	40.89	5.02	Average	147	346
2	5150.00	59.48	74.00	-14.52	54.46	5.02	Peak	147	346
3	5350.00	53.43	54.00	-0.57	48.12	5.31	Average	147	346
4	5350.00	66.03	74.00	-7.97	60.72	5.31	Peak	147	346
5	10580.00	54.25	68.20	-13.95	40.35	13.90	Peak	185	52

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).

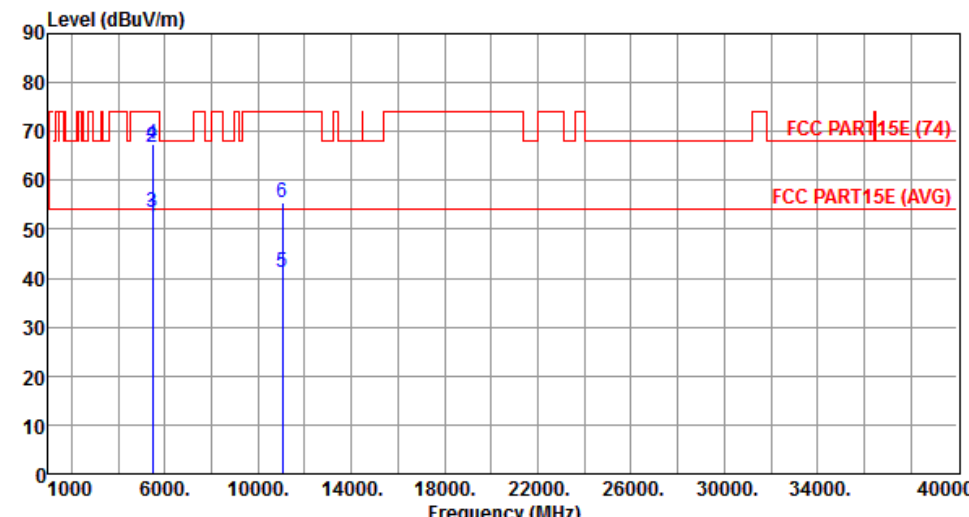
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	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	44.14	54.00	-9.86	39.12	5.02	Average	165	113
2	5150.00	57.44	74.00	-16.56	52.42	5.02	Peak	165	113
3	5350.00	45.54	54.00	-8.46	40.23	5.31	Average	165	113
4	5350.00	59.50	74.00	-14.50	54.19	5.31	Peak	165	113
5	10580.00	53.66	68.20	-14.54	39.76	13.90	Peak	161	302

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).

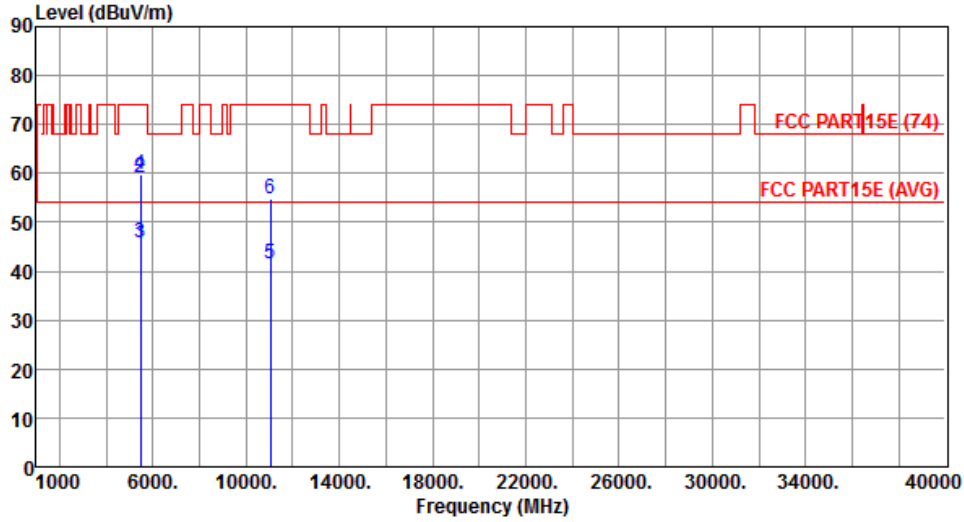
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	52.41	54.00	-1.59	46.95	5.46	Average	133	340
2	5460.00	66.66	74.00	-7.34	61.20	5.46	Peak	133	340
3	5470.00	53.37	54.00	-0.63	47.90	5.47	Average	133	340
4	5470.00	67.46	74.00	-6.54	61.99	5.47	Peak	133	340
5	11060.00	41.08	54.00	-12.92	26.73	14.35	Average	218	50
6	11060.00	55.58	74.00	-18.42	41.23	14.35	Peak	218	50

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).

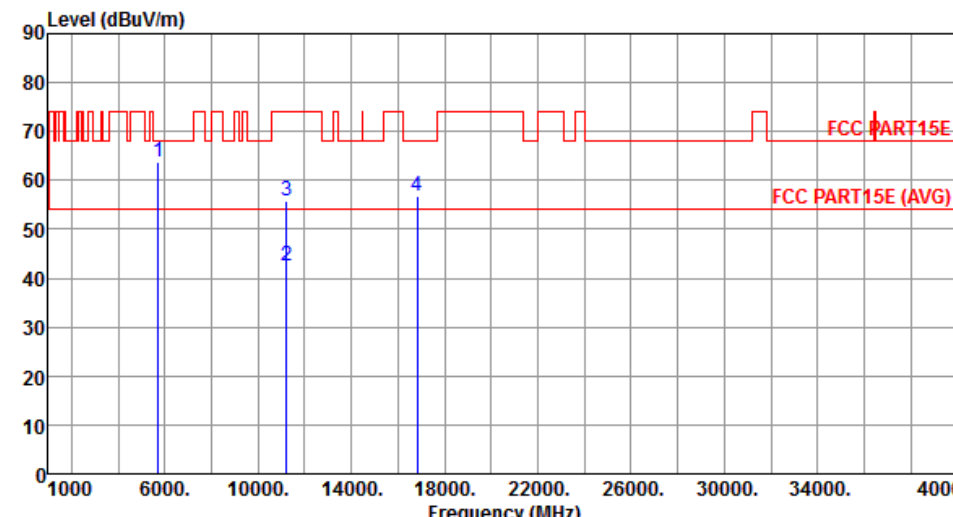
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.59	54.00	-8.41	40.13	5.46	Average	172	118
2	5460.00	59.21	74.00	-14.79	53.75	5.46	Peak	172	118
3	5470.00	45.92	54.00	-8.08	40.45	5.47	Average	172	118
4	5470.00	59.66	74.00	-14.34	54.19	5.47	Peak	172	118
5	11060.00	41.40	54.00	-12.60	27.05	14.35	Average	100	308
6	11060.00	54.66	74.00	-19.34	40.31	14.35	Peak	100	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	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	63.75	68.20	-4.45	57.94	5.81	Peak	139	345
2	11220.00	42.55	54.00	-11.45	28.06	14.49	Average	147	342
3	11220.00	55.74	74.00	-18.26	41.25	14.49	Peak	147	342
4	16830.00	56.63	68.20	-11.57	40.61	16.02	Peak	100	348

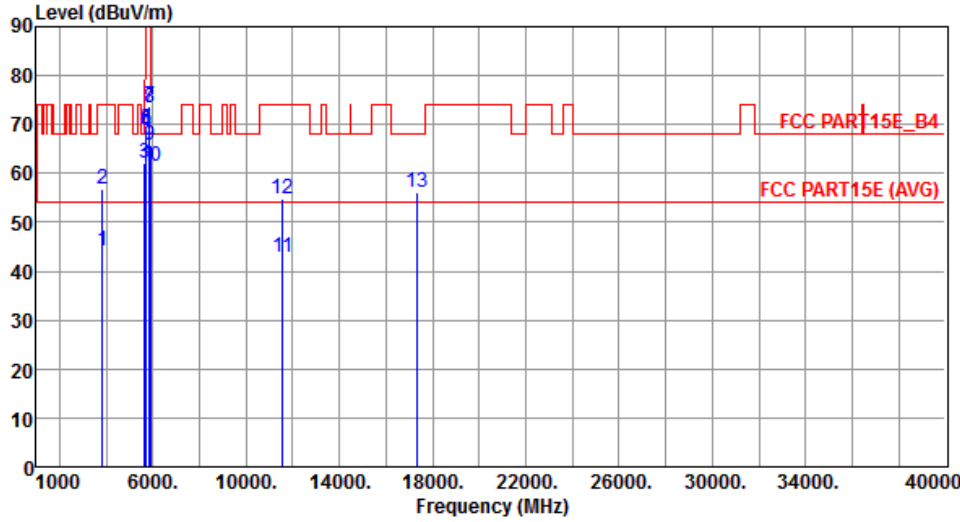
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT80	Test Freq. (MHz)	5690
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT80	Test Freq. (MHz)	5690
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3850.00	44.17	54.00	-9.83	42.15	2.02	Average	201	191
2	3850.00	56.83	74.00	-17.17	54.81	2.02	Peak	201	191
3	5650.00	61.95	68.20	-6.25	56.26	5.69	Peak	130	350
4	5700.00	68.25	105.20	-36.95	62.48	5.77	Peak	130	350
5	5720.00	69.07	110.80	-41.73	63.28	5.79	Peak	130	350
6	5725.00	68.89	122.20	-53.31	63.08	5.81	Peak	130	350
7	5850.00	73.56	122.20	-48.64	67.57	5.99	Peak	130	350
8	5855.00	73.35	110.80	-37.45	67.35	6.00	Peak	130	350
9	5875.00	65.62	105.20	-39.58	59.60	6.02	Peak	130	350
10	5925.00	61.58	68.20	-6.62	55.49	6.09	Peak	130	350
11	11550.00	42.93	54.00	-11.07	28.29	14.64	Average	160	52
12	11550.00	54.86	74.00	-19.14	40.22	14.64	Peak	160	52
13	17325.00	56.28	68.20	-11.92	38.85	17.43	Peak	100	343

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		
Level (dBuV/m)			

Configuration 3 : PIFA Antenna

3.5.14 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		
Level (dBuV/m)			

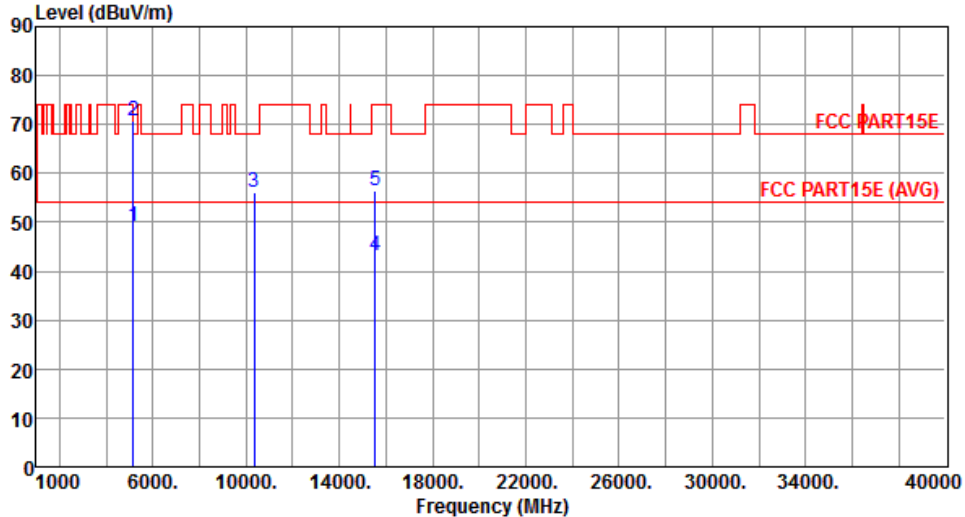
Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		
Level (dBuV/m) <			

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

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



	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	49.20	54.00	-4.80	44.18	5.02	Average	136	331
2	5150.00	70.83	74.00	-3.17	65.81	5.02	Peak	136	331
3	10360.00	56.10	68.20	-12.10	42.36	13.74	Peak	177	20
4	15540.00	43.21	54.00	-10.79	28.24	14.97	Average	165	322
5	15540.00	56.45	74.00	-17.55	41.48	14.97	Peak	165	322

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		
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Level (dBuV/m)			

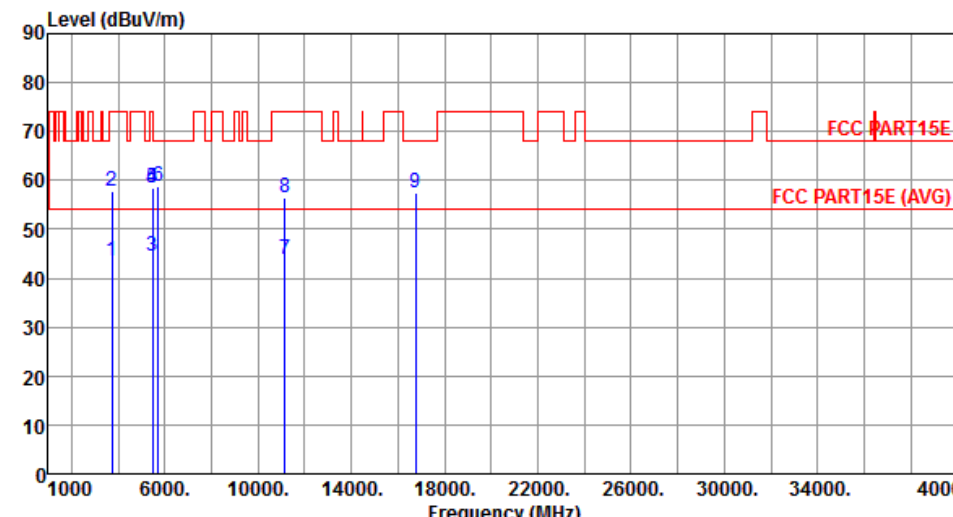
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		
Level (dBUV/m) <			

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		
Level (dBuV/m) <			

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical		
Level (dBuV/m)			

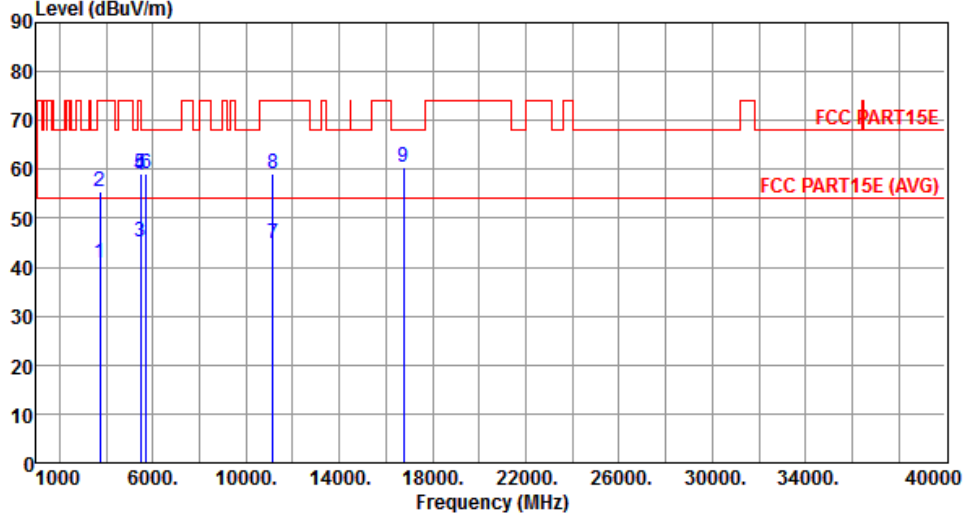
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	43.42	54.00	-10.58	41.82	1.60	Average	160	15
2	3720.00	57.82	74.00	-16.18	56.22	1.60	Peak	160	15
3	5460.00	44.54	54.00	-9.46	39.08	5.46	Average	149	46
4	5460.00	58.39	74.00	-15.61	52.93	5.46	Peak	149	46
5	5470.00	58.43	68.20	-9.77	52.96	5.47	Peak	149	46
6	5725.00	58.87	68.20	-9.33	53.06	5.81	Peak	149	46
7	11160.00	43.74	54.00	-10.26	29.30	14.44	Average	204	12
8	11160.00	56.58	74.00	-17.42	42.14	14.44	Peak	204	12
9	16740.00	57.49	68.20	-10.71	41.52	15.97	Peak	100	340

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)	5580
Polarization	Vertical		

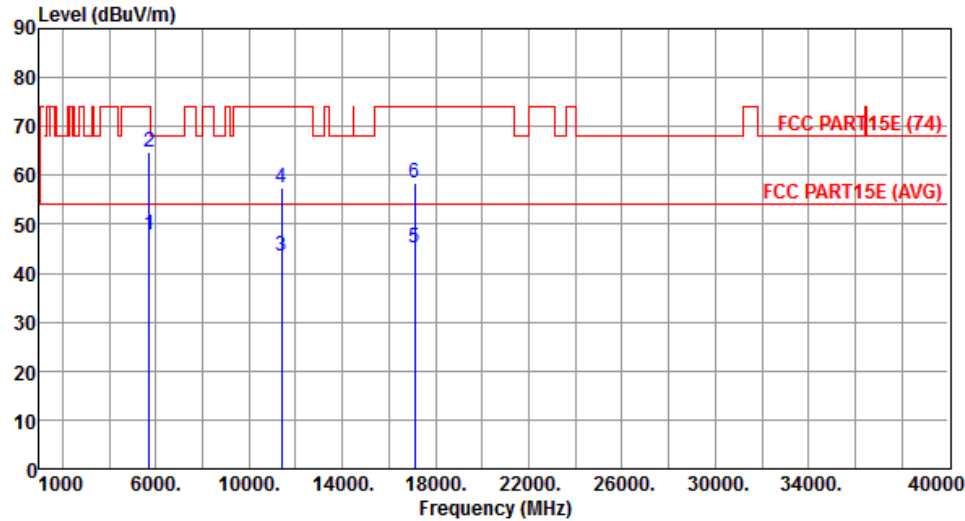


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	41.01	54.00	-12.99	39.41	1.60	Average	122	337
2	3720.00	55.45	74.00	-18.55	53.85	1.60	Peak	122	337
3	5460.00	45.12	54.00	-8.88	39.66	5.46	Average	304	96
4	5460.00	58.66	74.00	-15.34	53.20	5.46	Peak	304	96
5	5470.00	59.15	68.20	-9.05	53.68	5.47	Peak	304	96
6	5725.00	58.98	68.20	-9.22	53.17	5.81	Peak	304	96
7	11160.00	44.77	54.00	-9.23	30.33	14.44	Average	100	255
8	11160.00	58.99	74.00	-15.01	44.55	14.44	Peak	100	255
9	16740.00	60.38	68.20	-7.82	44.41	15.97	Peak	100	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	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		

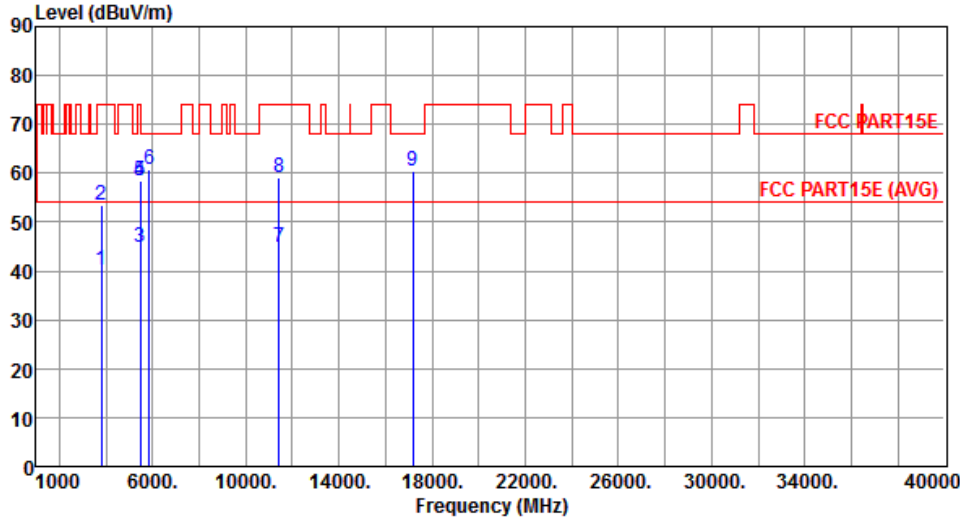


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	47.69	54.00	-6.31	41.88	5.81	Average	291	95
2	5725.00	64.83	74.00	-9.17	59.02	5.81	Peak	291	95
3	11400.00	43.39	54.00	-10.61	28.74	14.65	Average	100	253
4	11400.00	57.31	74.00	-16.69	42.66	14.65	Peak	100	253
5	17100.00	45.19	54.00	-8.81	28.68	16.51	Average	100	272
6	17100.00	58.55	74.00	-15.45	42.04	16.51	Peak	100	272

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)	5720
Polarization	Horizontal		
Level (dBuV/m)			

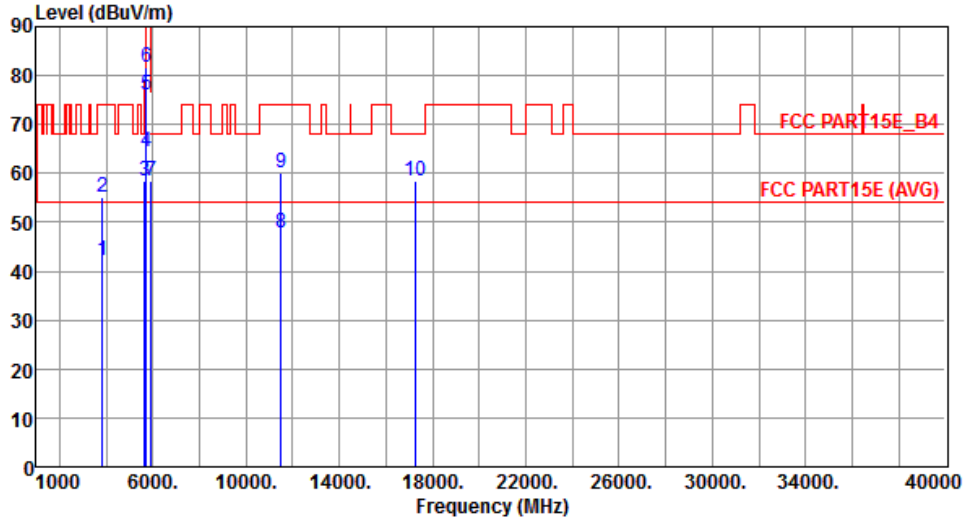
Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3813.33	40.23	54.00	-13.77	38.33	1.90	Average	109	334
2	3813.33	53.55	74.00	-20.45	51.65	1.90	Peak	109	334
3	5460.00	44.84	54.00	-9.16	39.38	5.46	Average	301	93
4	5460.00	58.50	74.00	-15.50	53.04	5.46	Peak	301	93
5	5470.00	58.53	68.20	-9.67	53.06	5.47	Peak	301	93
6	5850.00	60.62	68.20	-7.58	54.63	5.99	Peak	301	93
7	11440.00	44.85	54.00	-9.15	30.16	14.69	Average	100	262
8	11440.00	59.11	74.00	-14.89	44.42	14.69	Peak	100	262
9	17160.00	60.46	68.20	-7.74	43.70	16.76	Peak	100	250

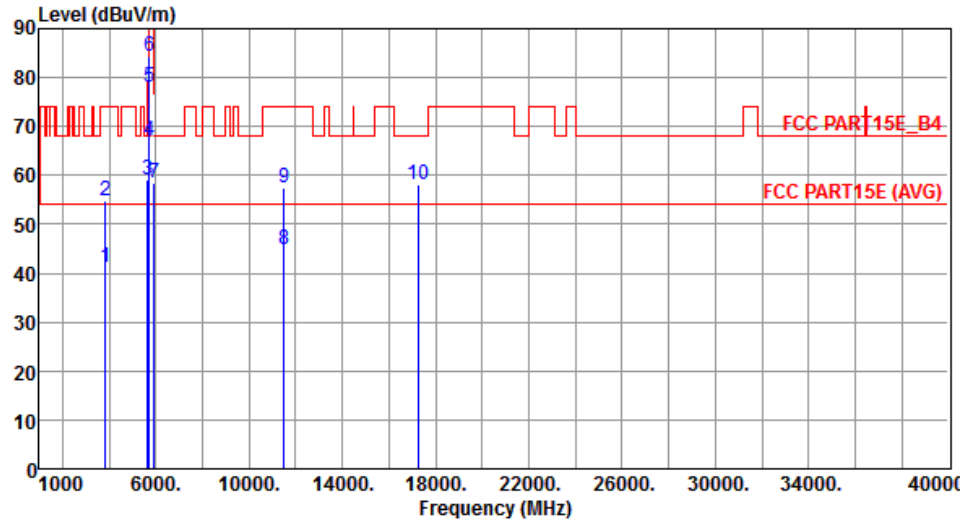
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3830.00	42.34	54.00	-11.66	40.38	1.96	Average	203	332
2	3830.00	55.25	74.00	-18.75	53.29	1.96	Peak	203	332
3	5650.00	58.46	68.20	-9.74	52.77	5.69	Peak	158	51
4	5700.00	64.34	105.20	-40.86	58.57	5.77	Peak	158	51
5	5720.00	76.05	110.80	-34.75	70.26	5.79	Peak	158	51
6	5725.00	81.71	122.20	-40.49	75.90	5.81	Peak	158	51
7	5925.00	58.42	68.20	-9.78	52.33	6.09	Peak	158	51
8	11490.00	47.92	54.00	-6.08	33.19	14.73	Average	175	302
9	11490.00	60.24	74.00	-13.76	45.51	14.73	Peak	175	302
10	17235.00	58.48	68.20	-9.72	41.41	17.07	Peak	175	32

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).

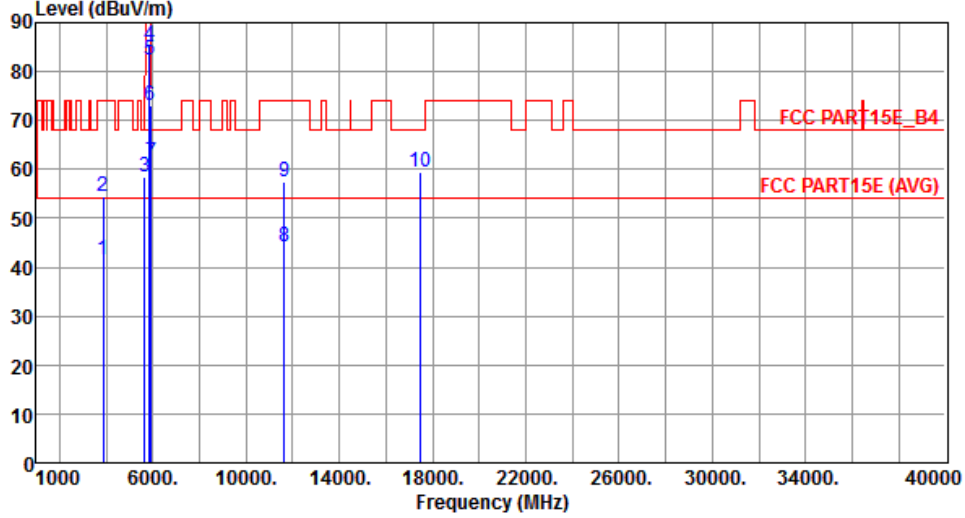
Modulation	11a	Test Freq. (MHz)	5745						
Polarization	Vertical								
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3830.00	41.16	54.00	-12.84	39.20	1.96	Average	155	143
2	3830.00	54.64	74.00	-19.36	52.68	1.96	Peak	155	143
3	5650.00	59.04	68.20	-9.16	53.35	5.69	Peak	297	93
4	5700.00	67.22	105.20	-37.98	61.45	5.77	Peak	297	93
5	5720.00	78.07	110.80	-32.73	72.28	5.79	Peak	297	93
6	5725.00	84.31	122.20	-37.89	78.50	5.81	Peak	297	93
7	5925.00	58.48	68.20	-9.72	52.39	6.09	Peak	297	93
8	11490.00	44.78	54.00	-9.22	30.05	14.73	Average	182	337
9	11490.00	57.51	74.00	-16.49	42.78	14.73	Peak	182	337
10	17235.00	58.17	68.20	-10.03	41.10	17.07	Peak	172	325

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		
Level (dBUV/m)			

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Level (dBuV/m)			

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



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	41.49	54.00	-12.51	39.35	2.14	Average	100	145
2	3883.33	54.42	74.00	-19.58	52.28	2.14	Peak	100	145
3	5650.00	58.52	68.20	-9.68	52.83	5.69	Peak	164	53
4	5850.00	85.39	122.20	-36.81	79.40	5.99	Peak	164	53
5	5855.00	82.34	110.80	-28.46	76.34	6.00	Peak	164	53
6	5875.00	73.15	105.20	-32.05	67.13	6.02	Peak	164	53
7	5925.00	61.52	68.20	-6.68	55.43	6.09	Peak	164	53
8	11650.00	44.05	54.00	-9.95	29.61	14.44	Average	175	304
9	11650.00	57.58	74.00	-16.42	43.14	14.44	Peak	175	304
10	17475.00	59.35	68.20	-8.85	41.31	18.04	Peak	100	144

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		
Level (dBuV/m)			

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

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		
Level (dBuV/m) </			

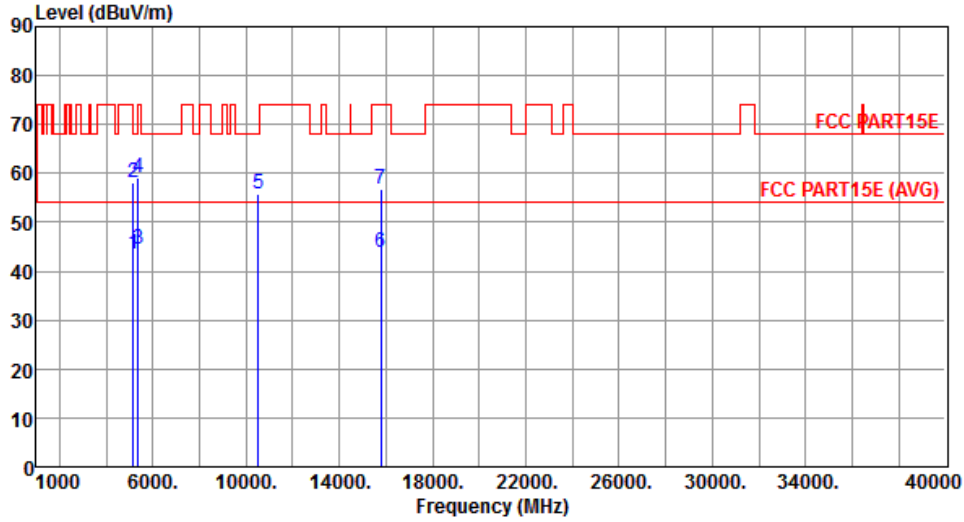
Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		



	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	43.65	54.00	-10.35	38.63	5.02	Average	217	324
2	5150.00	58.05	74.00	-15.95	53.03	5.02	Peak	217	324
3	5350.00	44.59	54.00	-9.41	39.28	5.31	Average	217	324
4	5350.00	58.99	74.00	-15.01	53.68	5.31	Peak	217	324
5	10520.00	55.83	68.20	-12.37	41.99	13.84	Peak	207	35
6	15780.00	43.92	54.00	-10.08	29.05	14.87	Average	196	46
7	15780.00	56.63	74.00	-17.37	41.76	14.87	Peak	196	46

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).

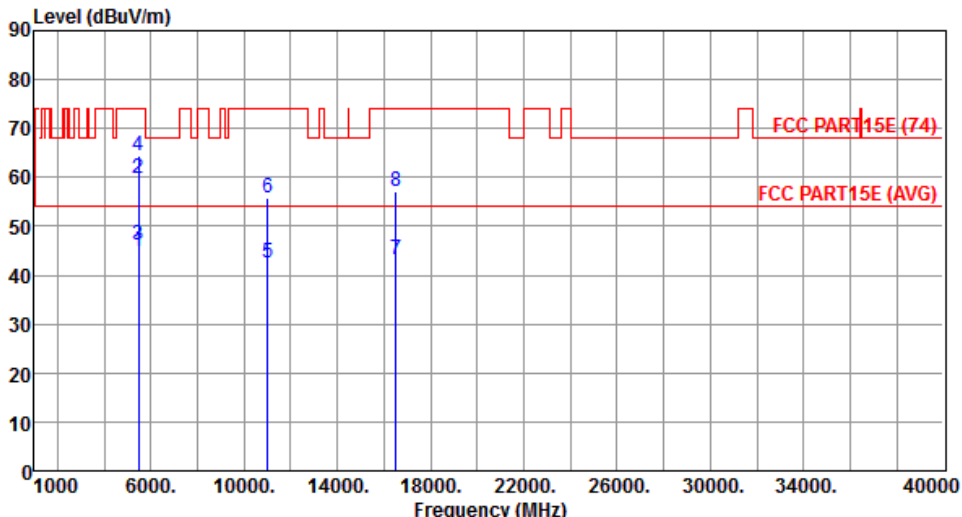
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Vertical		
Level (dBuV/m)			

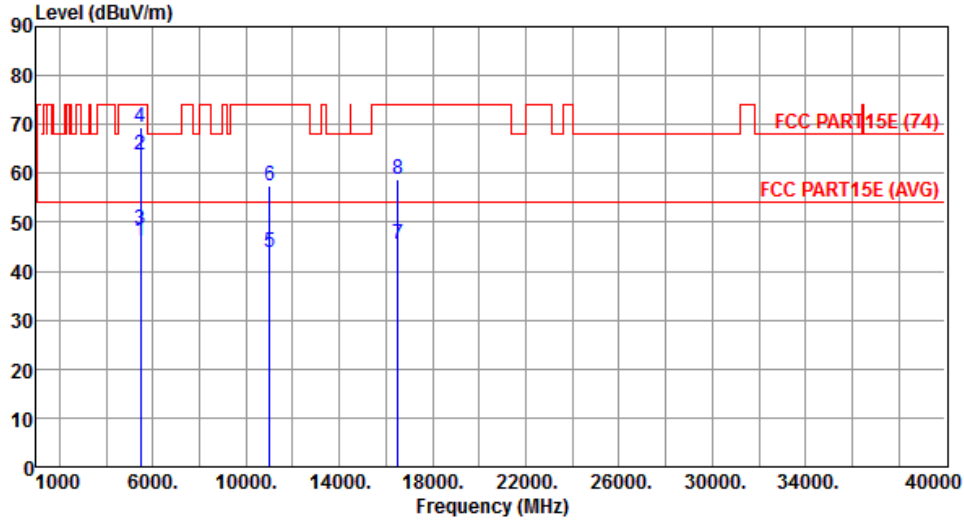
Modulation	VHT20	Test Freq. (MHz)	5500						
Polarization	Horizontal								
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	44.75	54.00	-9.25	39.29	5.46	Average	152	56
2	5460.00	59.71	74.00	-14.29	54.25	5.46	Peak	152	56
3	5470.00	46.00	54.00	-8.00	40.53	5.47	Average	152	56
4	5470.00	64.56	74.00	-9.44	59.09	5.47	Peak	152	56
5	11000.00	42.63	54.00	-11.37	28.33	14.30	Average	192	31
6	11000.00	55.74	74.00	-18.26	41.44	14.30	Peak	192	31
7	16500.00	43.28	54.00	-10.72	27.44	15.84	Average	100	310
8	16500.00	57.27	74.00	-16.73	41.43	15.84	Peak	100	310

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)	5500
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.21	54.00	-7.79	40.75	5.46	Average	303	95
2	5460.00	63.67	74.00	-10.33	58.21	5.46	Peak	303	95
3	5470.00	48.47	54.00	-5.53	43.00	5.47	Average	303	95
4	5470.00	69.55	74.00	-4.45	64.08	5.47	Peak	303	95
5	11000.00	43.71	54.00	-10.29	29.41	14.30	Average	100	236
6	11000.00	57.58	74.00	-16.42	43.28	14.30	Peak	100	236
7	16500.00	45.52	54.00	-8.48	29.68	15.84	Average	100	252
8	16500.00	58.82	74.00	-15.18	42.98	15.84	Peak	100	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).

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Horizontal		
Level (dBuV/m) </			

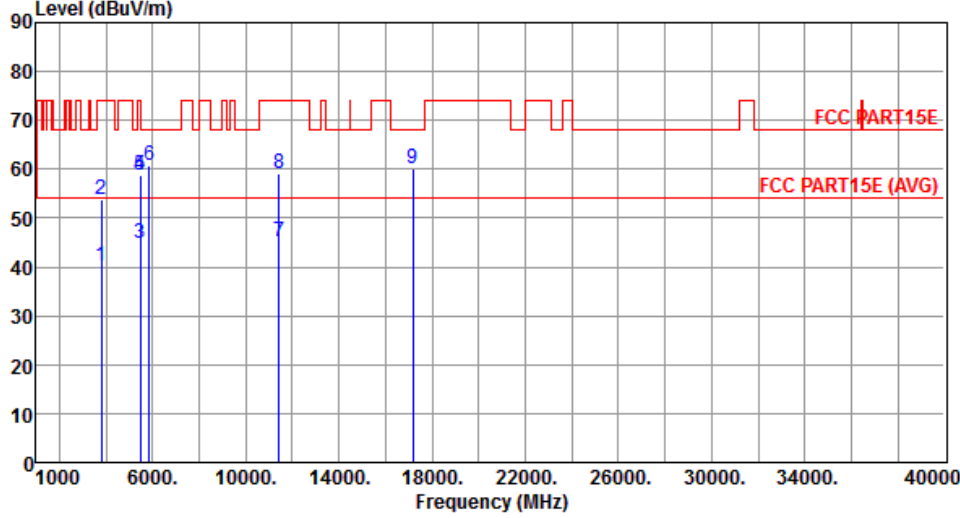
Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		
Level (dBUV/m) <			

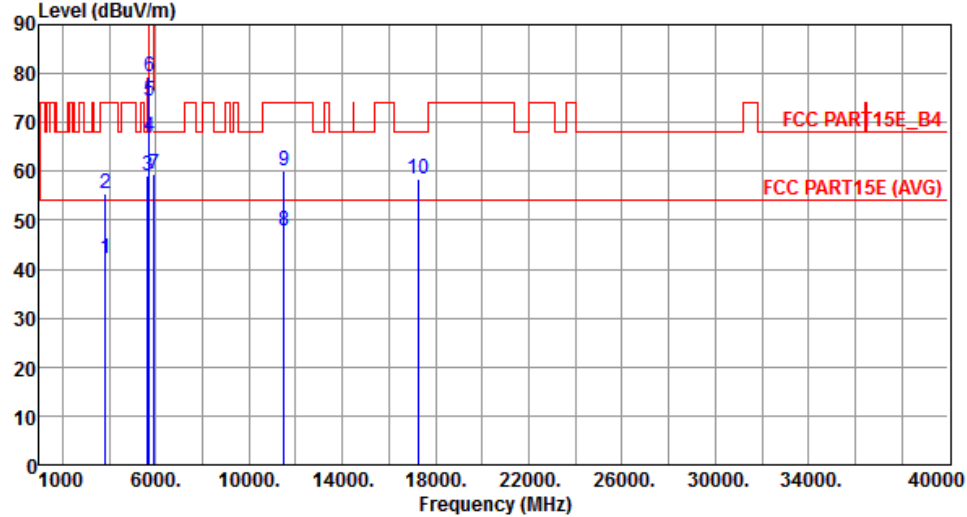
Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3813.33	40.32	54.00	-13.68	38.42	1.90	Average	110	333
2	3813.33	53.75	74.00	-20.25	51.85	1.90	Peak	110	333
3	5460.00	44.98	54.00	-9.02	39.52	5.46	Average	300	90
4	5460.00	58.92	74.00	-15.08	53.46	5.46	Peak	300	90
5	5470.00	58.91	68.20	-9.29	53.44	5.47	Peak	300	90
6	5850.00	60.74	68.20	-7.46	54.75	5.99	Peak	300	90
7	11440.00	45.11	54.00	-8.89	30.42	14.69	Average	100	260
8	11440.00	58.97	74.00	-15.03	44.28	14.69	Peak	100	260
9	17160.00	60.21	68.20	-7.99	43.45	16.76	Peak	100	248

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								
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3830.00	42.26	54.00	-11.74	40.30	1.96	Average	201	330
2	3830.00	55.30	74.00	-18.70	53.34	1.96	Peak	201	330
3	5650.00	59.01	68.20	-9.19	53.32	5.69	Peak	150	61
4	5700.00	67.22	105.20	-37.98	61.45	5.77	Peak	150	61
5	5720.00	74.52	110.80	-36.28	68.73	5.79	Peak	150	61
6	5725.00	79.21	122.20	-42.99	73.40	5.81	Peak	150	61
7	5925.00	59.54	68.20	-8.66	53.45	6.09	Peak	150	61
8	11490.00	47.82	54.00	-6.18	33.09	14.73	Average	172	298
9	11490.00	60.14	74.00	-13.86	45.41	14.73	Peak	172	298
10	17235.00	58.33	68.20	-9.87	41.26	17.07	Peak	168	36

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

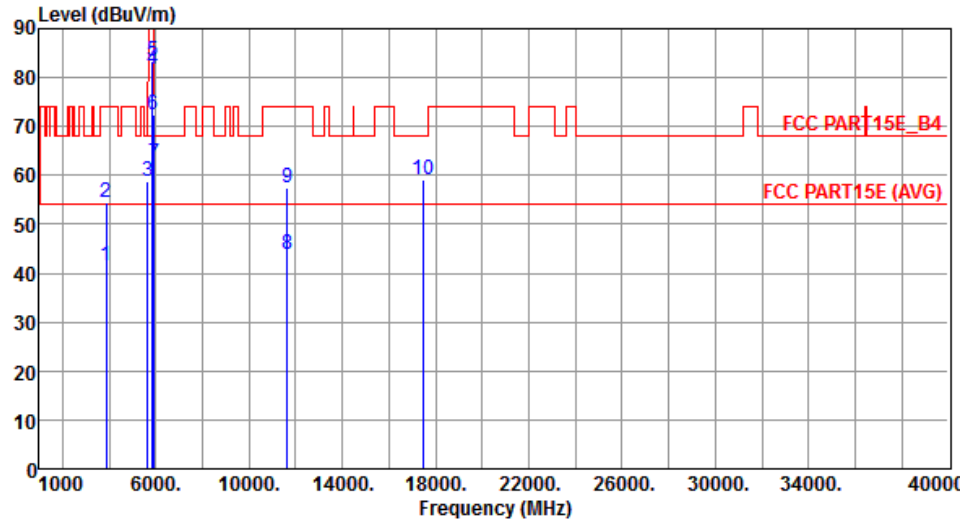
*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Horizontal		
 			

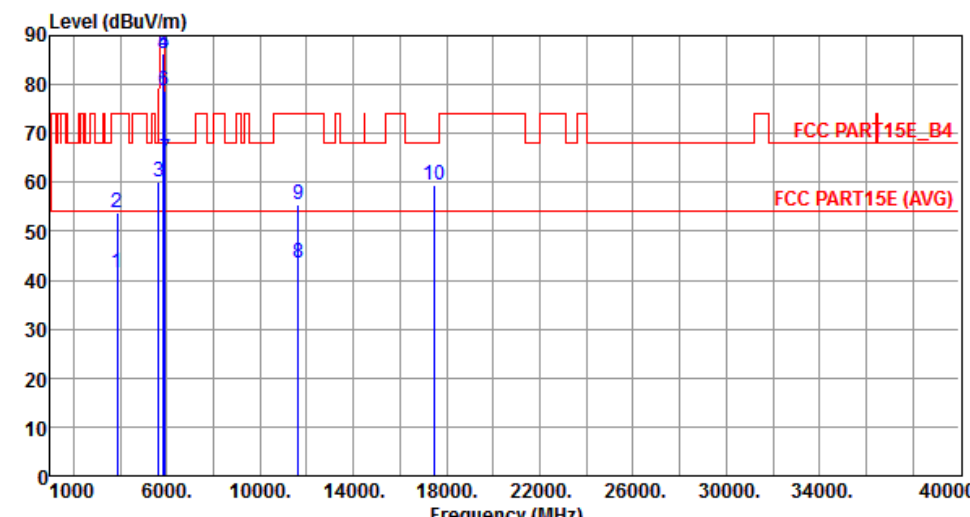
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		
Level (dBUV/m)			

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



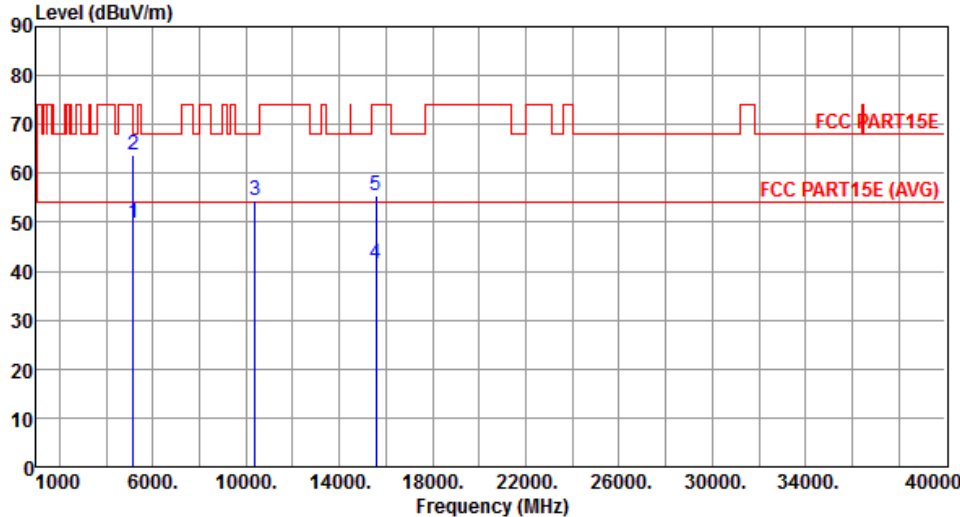
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	41.56	54.00	-12.44	39.42	2.14	Average	100	152
2	3883.33	54.52	74.00	-19.48	52.38	2.14	Peak	100	152
3	5650.00	58.65	68.20	-9.55	52.96	5.69	Peak	152	49
4	5850.00	81.64	122.20	-40.56	75.65	5.99	Peak	152	49
5	5855.00	83.24	110.80	-27.56	77.24	6.00	Peak	152	49
6	5875.00	72.44	105.20	-32.76	66.42	6.02	Peak	152	49
7	5925.00	62.50	68.20	-5.70	56.41	6.09	Peak	152	49
8	11650.00	43.92	54.00	-10.08	29.48	14.44	Average	171	301
9	11650.00	57.43	74.00	-16.57	42.99	14.44	Peak	171	301
10	17475.00	59.22	68.20	-8.98	41.18	18.04	Peak	100	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)	5825						
Polarization	Vertical								
									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	41.41	54.00	-12.59	39.27	2.14	Average	161	348
2	3883.33	53.82	74.00	-20.18	51.68	2.14	Peak	161	348
3	5650.00	59.96	68.20	-8.24	54.27	5.69	Peak	292	91
4	5850.00	86.33	122.20	-35.87	80.34	5.99	Peak	292	91
5	5855.00	86.34	110.80	-24.46	80.34	6.00	Peak	292	91
6	5875.00	78.80	105.20	-26.40	72.78	6.02	Peak	292	91
7	5925.00	64.86	68.20	-3.34	58.77	6.09	Peak	292	91
8	11650.00	43.63	54.00	-10.37	29.19	14.44	Average	100	254
9	11650.00	55.32	74.00	-18.68	40.88	14.44	Peak	100	254
10	17475.00	59.51	68.20	-8.69	41.47	18.04	Peak	100	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).									

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

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		



	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	49.96	54.00	-4.04	44.94	5.02	Average	145	319
2	5150.00	63.62	74.00	-10.38	58.60	5.02	Peak	145	319
3	10380.00	54.39	68.20	-13.81	40.64	13.75	Peak	100	325
4	15570.00	41.52	54.00	-12.48	26.56	14.96	Average	100	352
5	15570.00	55.31	74.00	-18.69	40.35	14.96	Peak	100	352

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		



	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	50.02	54.00	-3.98	45.00	5.02	Average	259	92
2	5150.00	64.84	74.00	-9.16	59.82	5.02	Peak	259	92
3	10380.00	54.09	68.20	-14.11	40.34	13.75	Peak	134	356
4	15570.00	42.77	54.00	-11.23	27.81	14.96	Average	162	336
5	15570.00	55.63	74.00	-18.37	40.67	14.96	Peak	162	336

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

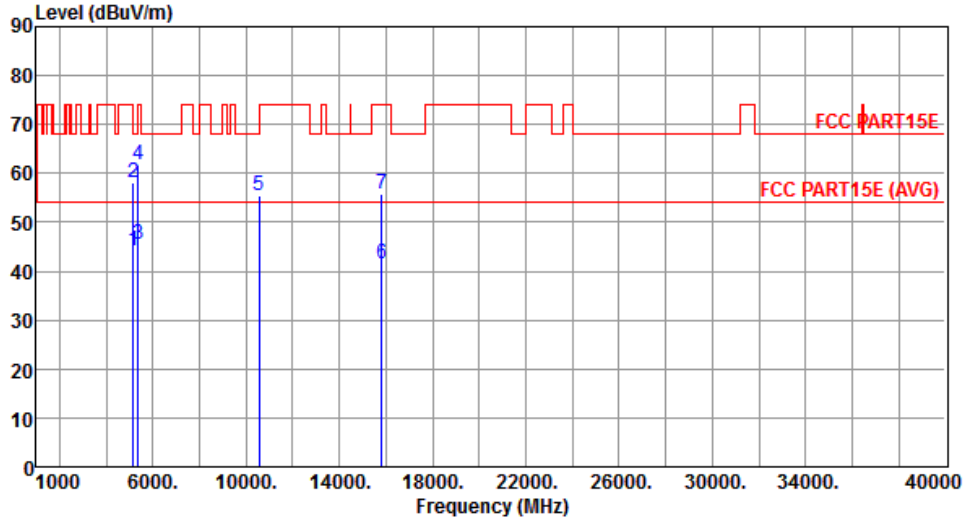
*Factor includes antenna factor , cable loss and amplifier gain

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

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Horizontal		

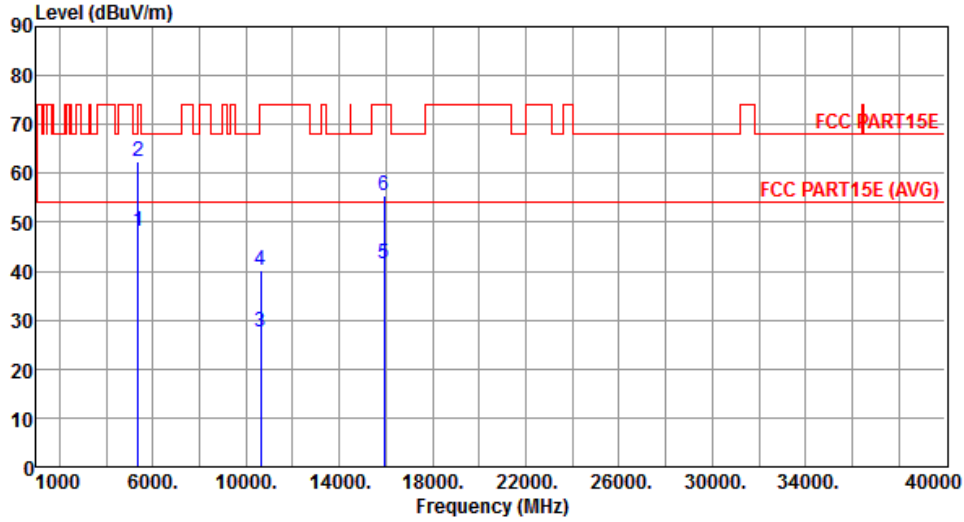


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	44.12	54.00	-9.88	39.10	5.02	Average	151	324
2	5150.00	58.03	74.00	-15.97	53.01	5.02	Peak	151	324
3	5350.00	45.40	54.00	-8.60	40.09	5.31	Average	151	324
4	5350.00	61.61	74.00	-12.39	56.30	5.31	Peak	151	324
5	10540.00	55.61	68.20	-12.59	41.75	13.86	Peak	100	318
6	15810.00	41.66	54.00	-12.34	26.80	14.86	Average	100	346
7	15810.00	55.74	74.00	-18.26	40.88	14.86	Peak	100	346

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)	5270
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		

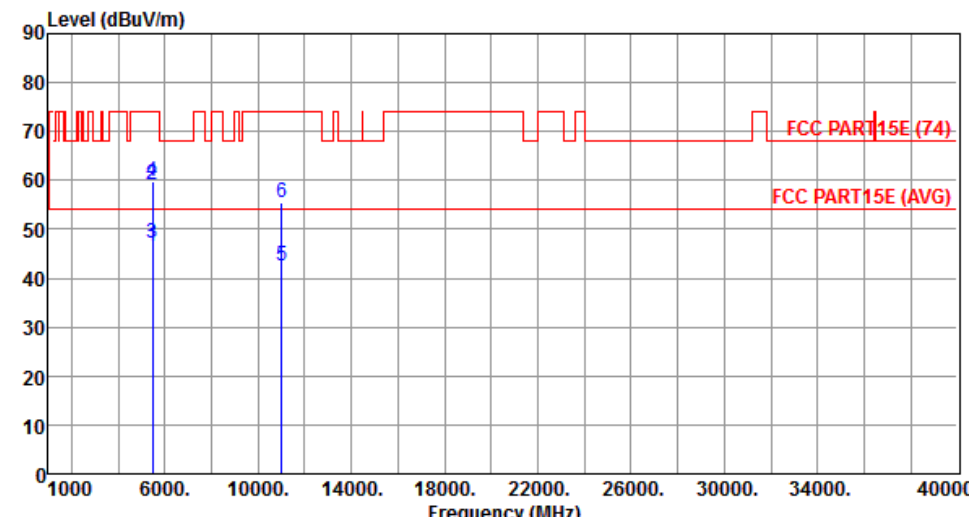


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	48.07	54.00	-5.93	42.76	5.31	Average	158	315
2	5350.00	62.39	74.00	-11.61	57.08	5.31	Peak	158	315
3	10620.00	27.60	54.00	-26.40	13.67	13.93	Average	100	321
4	10620.00	40.33	74.00	-33.67	26.40	13.93	Peak	100	321
5	15930.00	41.51	54.00	-12.49	26.69	14.82	Average	100	348
6	15930.00	55.35	74.00	-18.65	40.53	14.82	Peak	100	348

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)	5310
Polarization	Vertical		
 </			

Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		

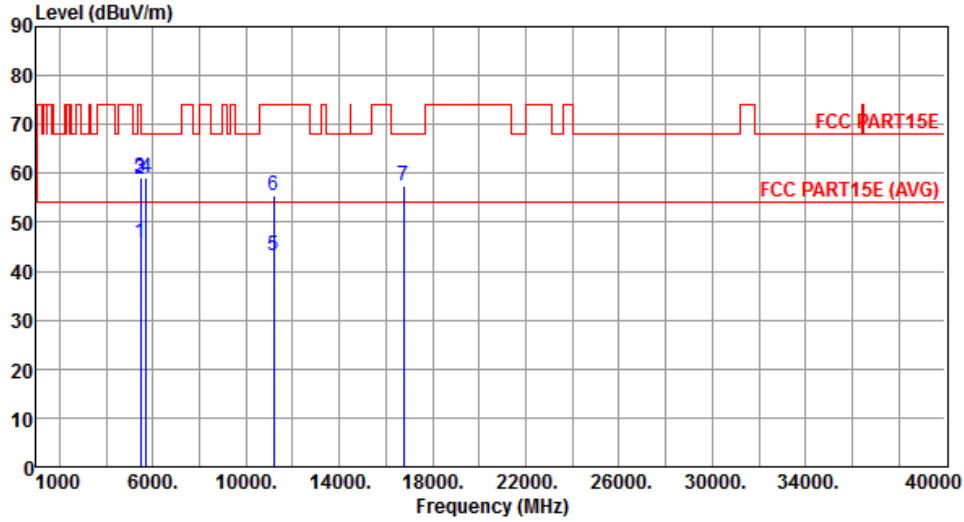


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.64	54.00	-7.36	41.18	5.46	Average	152	49
2	5460.00	59.04	74.00	-14.96	53.58	5.46	Peak	152	49
3	5470.00	47.18	54.00	-6.82	41.71	5.47	Average	152	49
4	5470.00	59.92	74.00	-14.08	54.45	5.47	Peak	152	49
5	11020.00	42.44	54.00	-11.56	28.12	14.32	Average	195	22
6	11020.00	55.53	74.00	-18.47	41.21	14.32	Peak	195	22

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)	5510
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Horizontal		

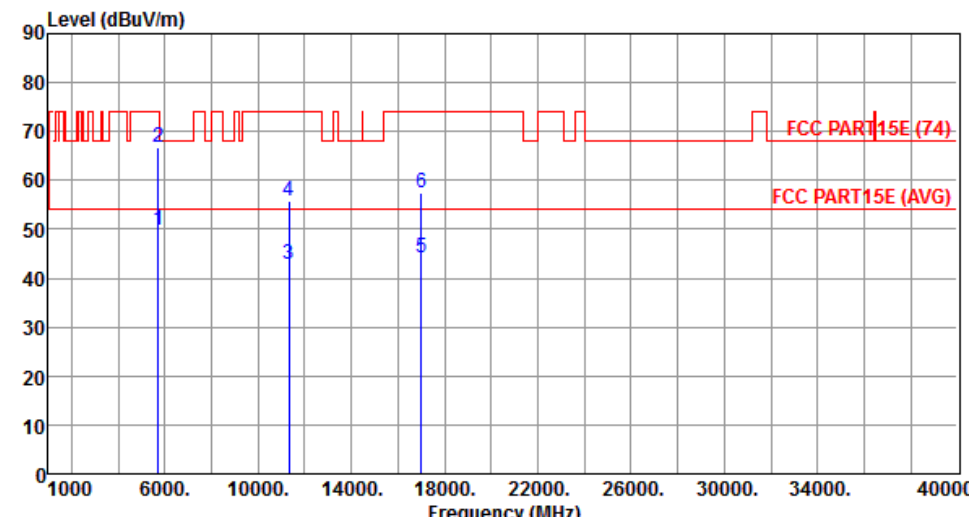


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.68	54.00	-8.32	40.22	5.46	Average	161	53
2	5460.00	58.90	74.00	-15.10	53.44	5.46	Peak	161	53
3	5470.00	59.24	68.20	-8.96	53.77	5.47	Peak	161	53
4	5725.00	59.25	68.20	-8.95	53.44	5.81	Peak	161	53
5	11180.00	43.01	54.00	-10.99	28.55	14.46	Average	200	18
6	11180.00	55.51	74.00	-18.49	41.05	14.46	Peak	200	18
7	16770.00	57.52	68.20	-10.68	41.54	15.98	Peak	100	325

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)	5590
Polarization	Vertical		
Level (dBuV/m) </			

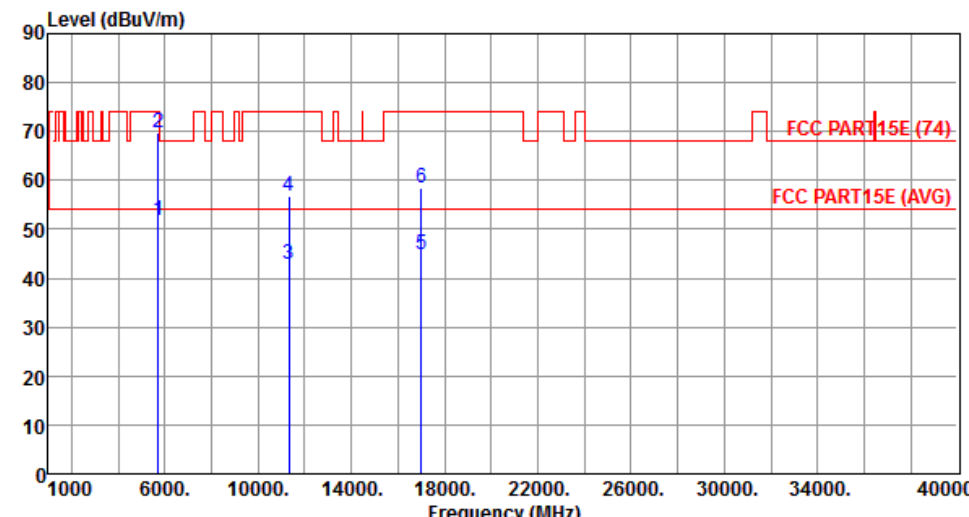
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	49.83	54.00	-4.17	44.02	5.81	Average	161	52
2	5725.00	66.89	74.00	-7.11	61.08	5.81	Peak	161	52
3	11340.00	42.84	54.00	-11.16	28.24	14.60	Average	192	40
4	11340.00	55.65	74.00	-18.35	41.05	14.60	Peak	192	40
5	17010.00	44.27	54.00	-9.73	28.12	16.15	Average	100	305
6	17010.00	57.40	74.00	-16.60	41.25	16.15	Peak	100	305

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).

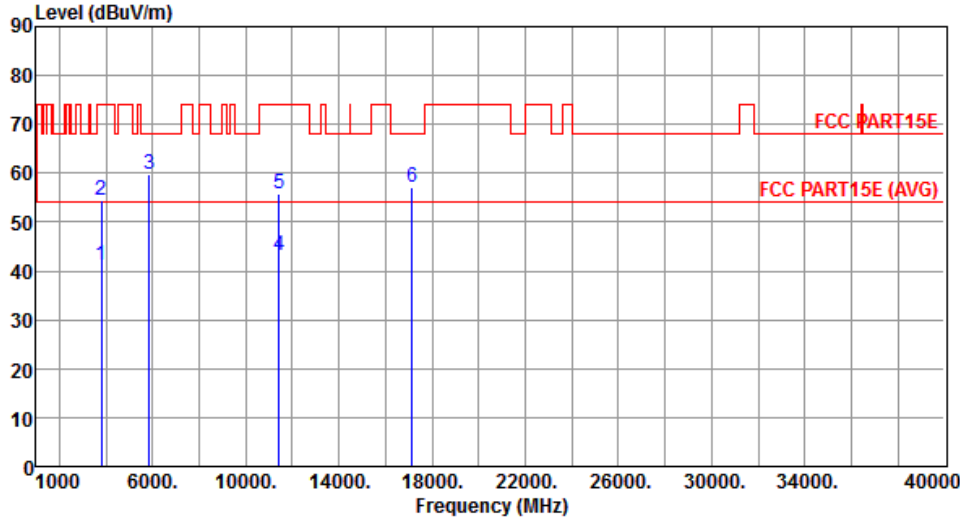
Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	51.81	54.00	-2.19	46.00	5.81	Average	296	93
2	5725.00	69.87	74.00	-4.13	64.06	5.81	Peak	296	93
3	11340.00	42.95	54.00	-11.05	28.35	14.60	Average	100	252
4	11340.00	56.83	74.00	-17.17	42.23	14.60	Peak	100	252
5	17010.00	44.83	54.00	-9.17	28.68	16.15	Average	100	268
6	17010.00	58.59	74.00	-15.41	42.44	16.15	Peak	100	268

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)	5710
Polarization	Horizontal		



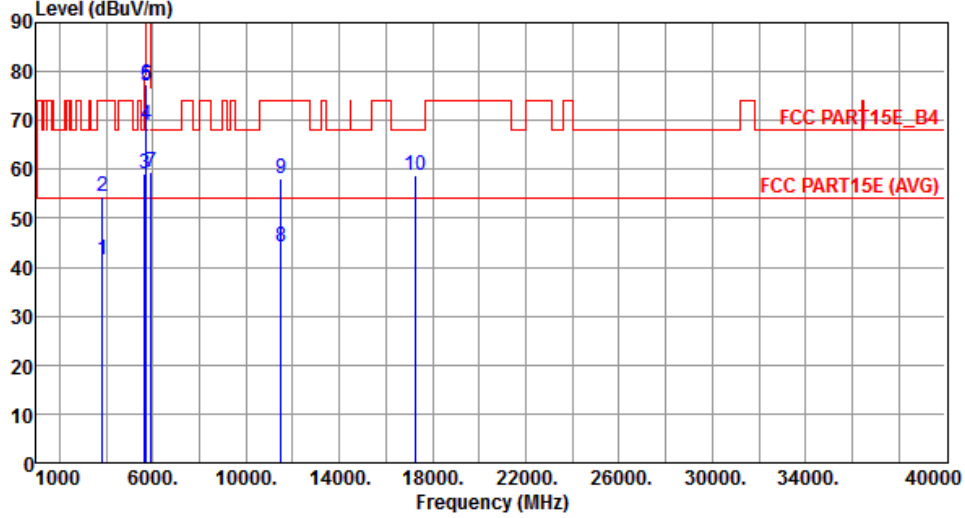
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3806.66	41.30	54.00	-12.70	39.42	1.88	Average	155	20
2	3806.66	54.36	74.00	-19.64	52.48	1.88	Peak	155	20
3	5850.00	59.77	68.20	-8.43	53.78	5.99	Peak	160	53
4	11420.00	43.02	54.00	-10.98	28.35	14.67	Average	190	38
5	11420.00	55.91	74.00	-18.09	41.24	14.67	Peak	190	38
6	17130.00	57.08	68.20	-11.12	40.44	16.64	Peak	100	302

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)	5710
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		
Level (dBuV/m)			

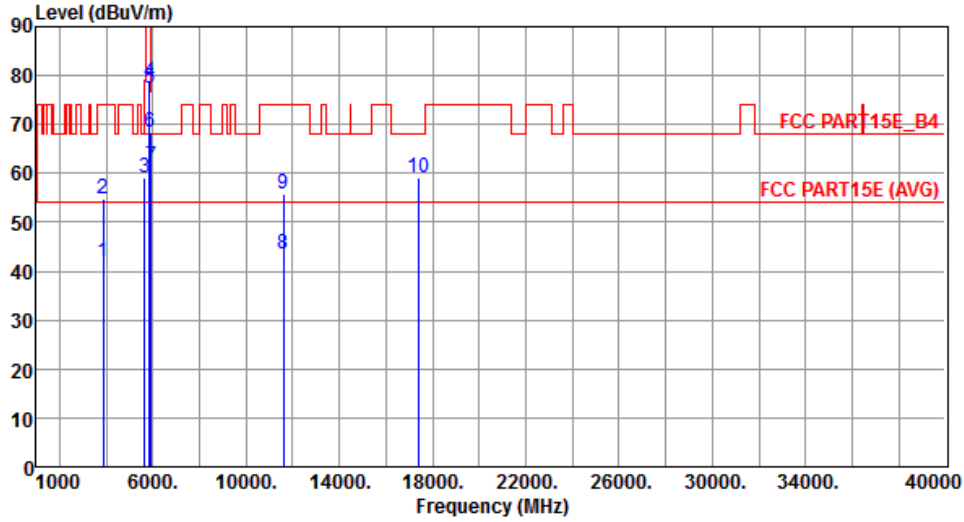
Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3836.66	41.51	54.00	-12.49	39.53	1.98	Average	152	140
2	3836.66	54.46	74.00	-19.54	52.48	1.98	Peak	152	140
3	5650.00	59.22	68.20	-8.98	53.53	5.69	Peak	300	93
4	5700.00	69.24	105.20	-35.96	63.47	5.77	Peak	300	93
5	5720.00	77.03	110.80	-33.77	71.24	5.79	Peak	300	93
6	5725.00	77.46	122.20	-44.74	71.65	5.81	Peak	300	93
7	5925.00	59.39	68.20	-8.81	53.30	6.09	Peak	300	93
8	11510.00	44.15	54.00	-9.85	29.43	14.72	Average	181	335
9	11510.00	58.07	74.00	-15.93	43.35	14.72	Peak	181	335
10	17265.00	58.62	68.20	-9.58	41.45	17.17	Peak	175	322

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		



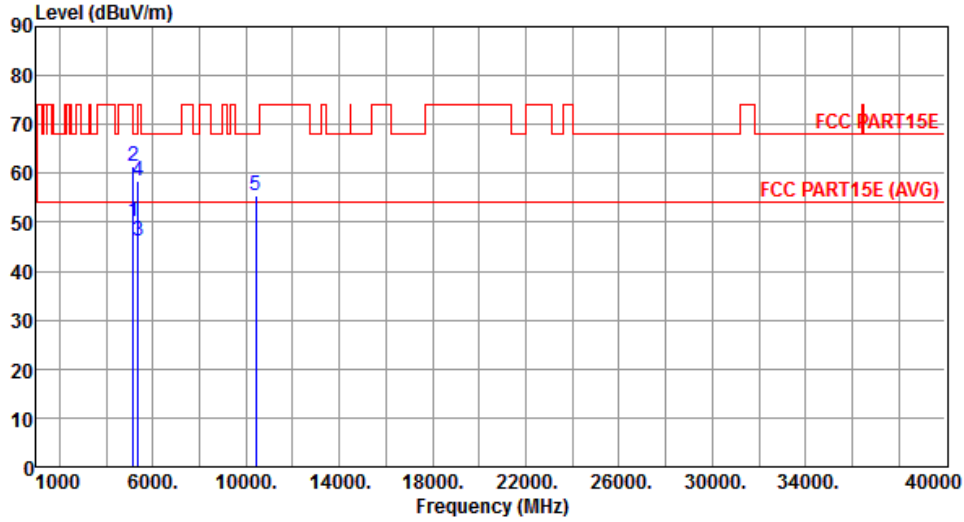
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3863.33	41.79	54.00	-12.21	39.72	2.07	Average	100	170
2	3863.33	54.85	74.00	-19.15	52.78	2.07	Peak	100	170
3	5650.00	59.23	68.20	-8.97	53.54	5.69	Peak	289	91
4	5850.00	78.73	122.20	-43.47	72.74	5.99	Peak	289	91
5	5855.00	77.26	110.80	-33.54	71.26	6.00	Peak	289	91
6	5875.00	68.49	105.20	-36.71	62.47	6.02	Peak	289	91
7	5925.00	61.35	68.20	-6.85	55.26	6.09	Peak	289	91
8	11590.00	43.52	54.00	-10.48	28.96	14.56	Average	100	253
9	11590.00	55.93	74.00	-18.07	41.37	14.56	Peak	100	253
10	17385.00	59.11	68.20	-9.09	41.44	17.67	Peak	100	344

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).

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

Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		
Level (dBuV/m) <			

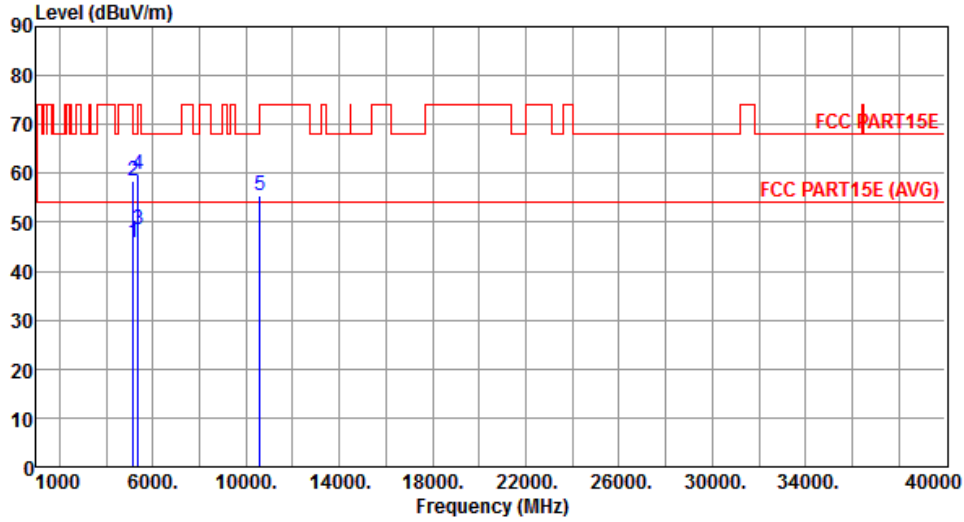
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Vertical		



	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	50.22	54.00	-3.78	45.20	5.02	Average	320	93
2	5150.00	61.48	74.00	-12.52	56.46	5.02	Peak	320	93
3	5350.00	46.04	54.00	-7.96	40.73	5.31	Average	320	93
4	5350.00	58.30	74.00	-15.70	52.99	5.31	Peak	320	93
5	10420.00	55.31	68.20	-12.89	41.53	13.78	Peak	100	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).

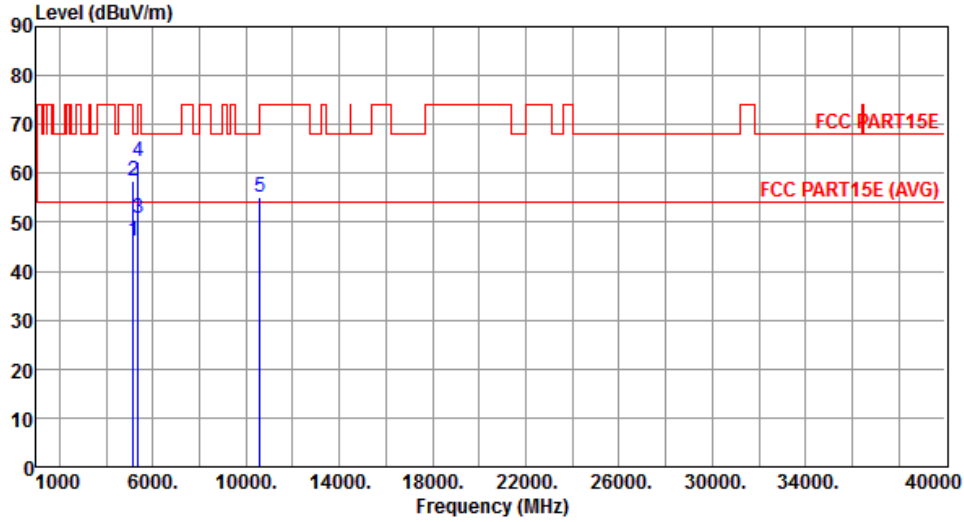
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Horizontal		



	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	40.75	5.02	Average	131	302
2	5150.00	58.59	74.00	-15.41	53.57	5.02	Peak	131	302
3	5350.00	48.61	54.00	-5.39	43.30	5.31	Average	131	302
4	5350.00	59.75	74.00	-14.25	54.44	5.31	Peak	131	302
5	10580.00	55.55	68.20	-12.65	41.65	13.90	Peak	100	177

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).

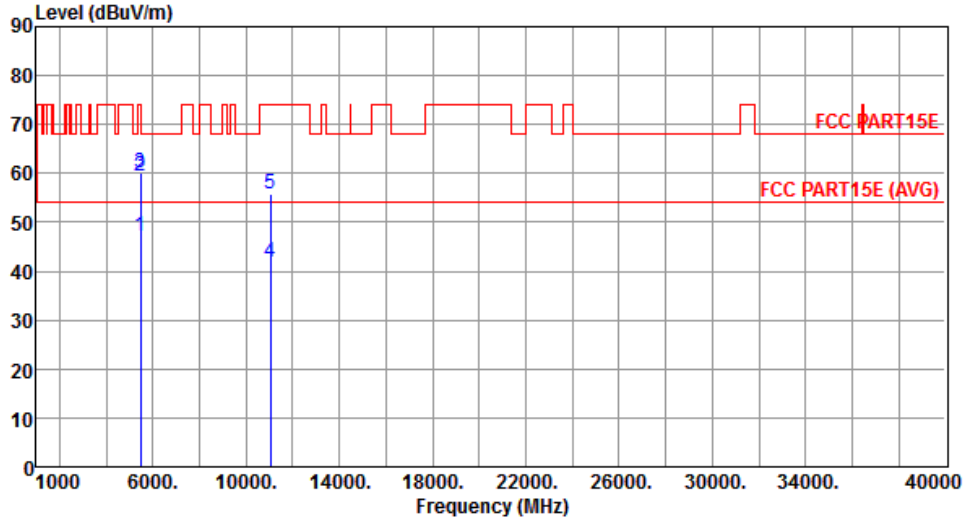
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	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	46.10	54.00	-7.90	41.08	5.02	Average	253	93
2	5150.00	58.36	74.00	-15.64	53.34	5.02	Peak	253	93
3	5350.00	50.73	54.00	-3.27	45.42	5.31	Average	253	93
4	5350.00	62.51	74.00	-11.49	57.20	5.31	Peak	253	93
5	10580.00	55.21	68.20	-12.99	41.31	13.90	Peak	100	56

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).

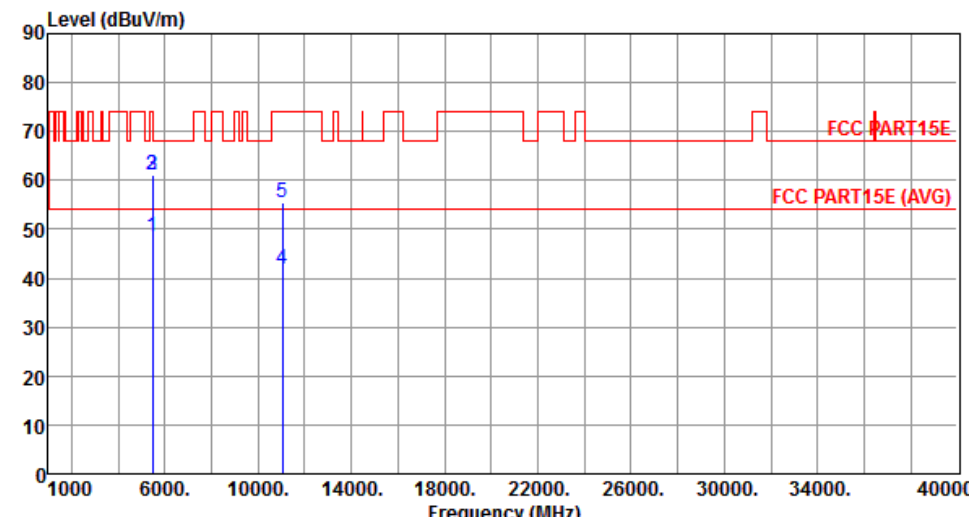
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	47.03	54.00	-6.97	41.57	5.46	Average	152	52
2	5460.00	59.32	74.00	-14.68	53.86	5.46	Peak	152	52
3	5470.00	60.25	68.20	-7.95	54.78	5.47	Peak	152	52
4	11060.00	41.91	54.00	-12.09	27.56	14.35	Average	100	137
5	11060.00	55.63	74.00	-18.37	41.28	14.35	Peak	100	137

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).

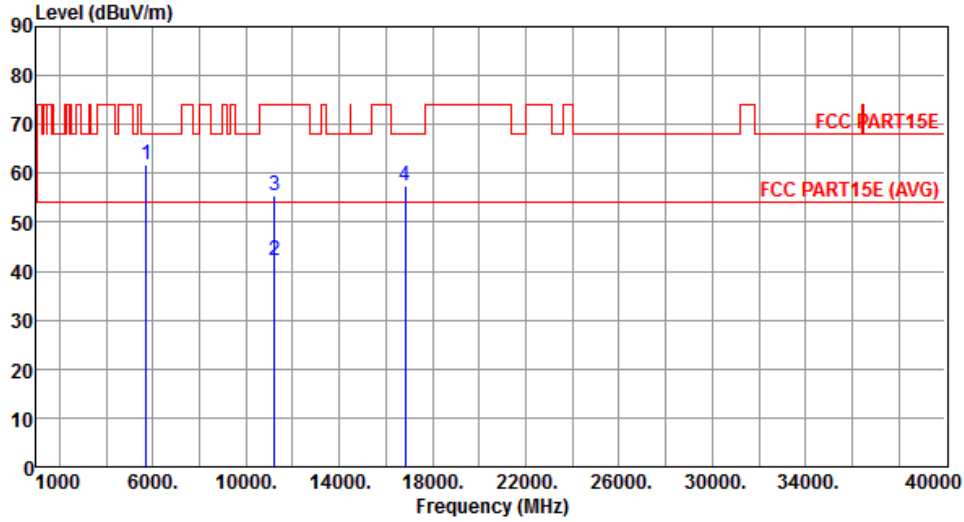
Modulation	VHT80	Test Freq. (MHz)	5530
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.47	54.00	-5.53	43.01	5.46	Average	303	93
2	5460.00	61.04	74.00	-12.96	55.58	5.46	Peak	303	93
3	5470.00	61.19	68.20	-7.01	55.72	5.47	Peak	303	93
4	11060.00	41.91	54.00	-12.09	27.56	14.35	Average	100	236
5	11060.00	55.40	74.00	-18.60	41.05	14.35	Peak	100	236

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).

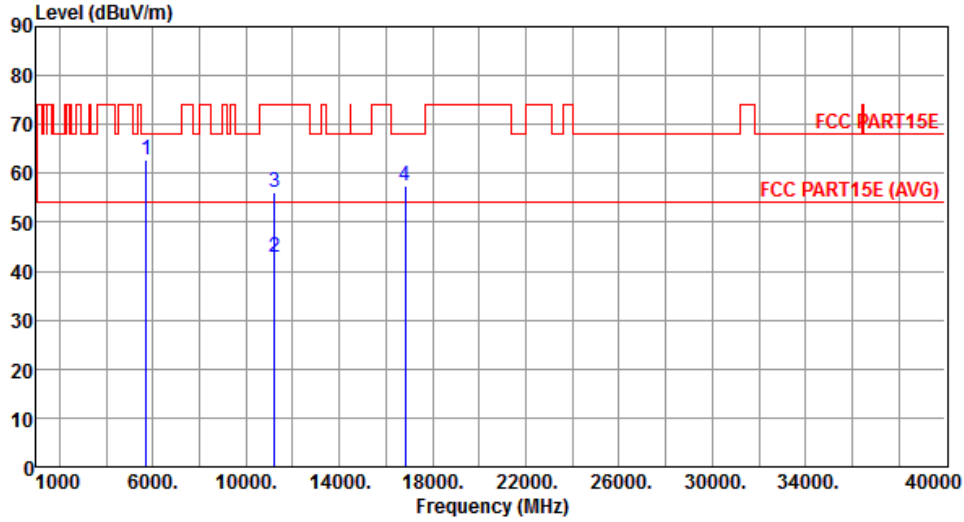
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.73	68.20	-6.47	55.92	5.81	Peak	158	54
2	11220.00	42.31	54.00	-11.69	27.82	14.49	Average	100	222
3	11220.00	55.62	74.00	-18.38	41.13	14.49	Peak	100	222
4	16830.00	57.46	68.20	-10.74	41.44	16.02	Peak	100	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).

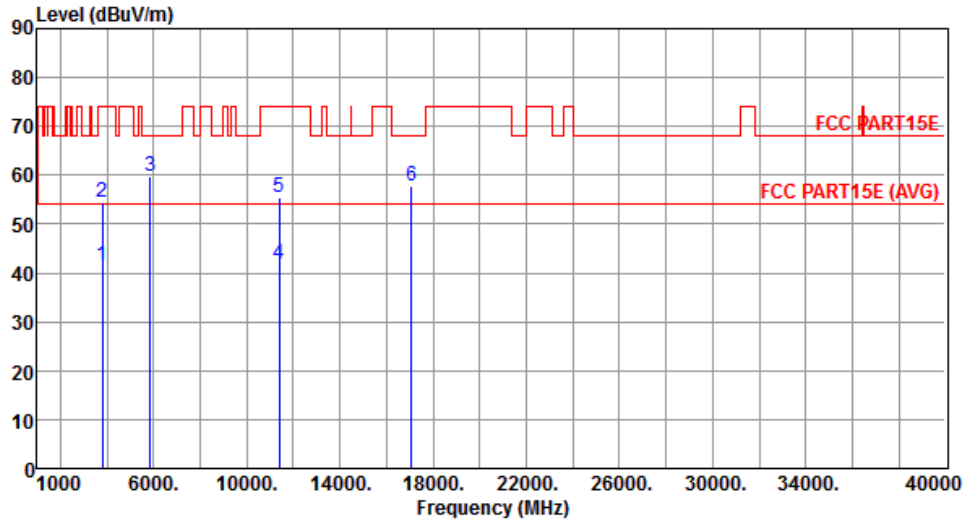
Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	62.92	68.20	-5.28	57.11	5.81	Peak	294	93
2	11220.00	42.73	54.00	-11.27	28.24	14.49	Average	100	156
3	11220.00	56.02	74.00	-17.98	41.53	14.49	Peak	100	156
4	16830.00	57.46	68.20	-10.74	41.44	16.02	Peak	100	193

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)	5690
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3793.33	41.39	54.00	-12.61	39.55	1.84	Average	100	333
2	3793.33	54.61	74.00	-19.39	52.77	1.84	Peak	100	333
3	5850.00	59.64	68.20	-8.56	53.65	5.99	Peak	155	53
4	11380.00	41.91	54.00	-12.09	27.28	14.63	Average	100	205
5	11380.00	55.30	74.00	-18.70	40.67	14.63	Peak	100	205
6	17070.00	57.70	68.20	-10.50	41.31	16.39	Peak	100	181

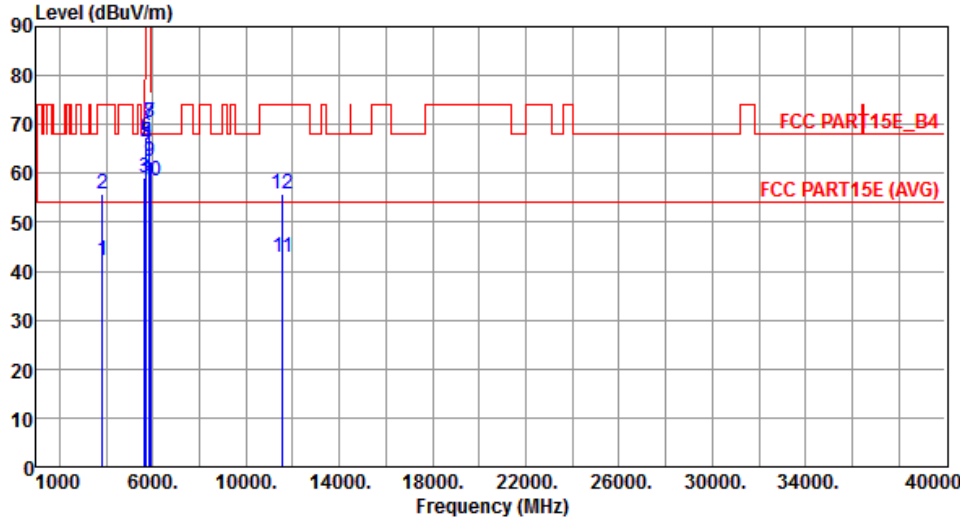
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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)	5690
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3850.00	42.18	54.00	-11.82	40.16	2.02	Average	155	32
2	3850.00	55.63	74.00	-18.37	53.61	2.02	Peak	155	32
3	5650.00	59.00	68.20	-9.20	53.31	5.69	Peak	161	55
4	5700.00	65.83	105.20	-39.37	60.06	5.77	Peak	161	55
5	5720.00	66.32	110.80	-44.48	60.53	5.79	Peak	161	55
6	5725.00	67.37	122.20	-54.83	61.56	5.81	Peak	161	55
7	5850.00	70.43	122.20	-51.77	64.44	5.99	Peak	161	55
8	5855.00	70.25	110.80	-40.55	64.25	6.00	Peak	161	55
9	5875.00	62.54	105.20	-42.66	56.52	6.02	Peak	161	55
10	5925.00	58.56	68.20	-9.64	52.47	6.09	Peak	161	55
11	11550.00	42.69	54.00	-11.31	28.05	14.64	Average	100	245
12	11550.00	55.95	74.00	-18.05	41.31	14.64	Peak	100	245

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).

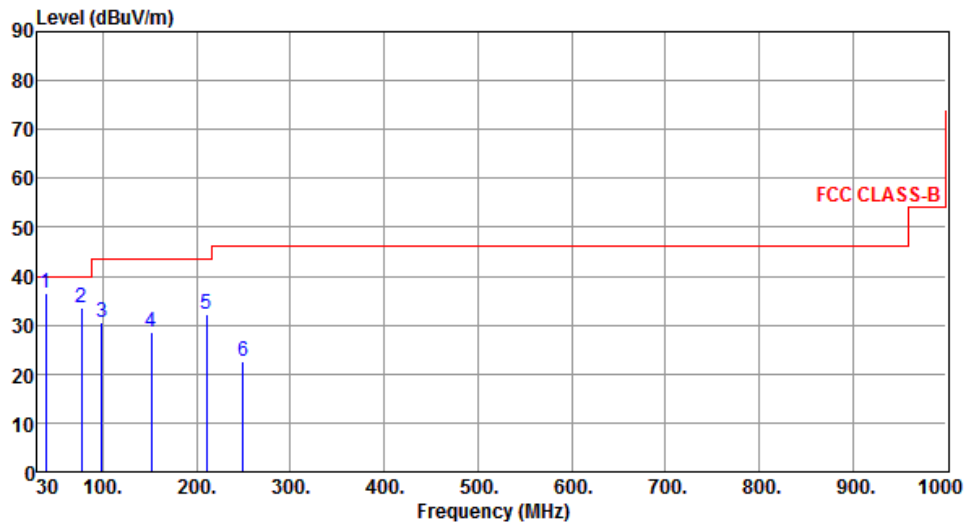
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Vertical		
Level (dBuV/m)			

Configuration 4 : Isolated Magnetic Dipole Antenna

3.5.19 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.61	36.66	40.00	-3.34	45.52	-8.86	Peak	---	---
2	77.42	33.43	40.00	-6.57	46.06	-12.63	Peak	---	---
3	98.76	30.45	43.50	-13.05	44.13	-13.68	Peak	---	---
4	151.42	28.42	43.50	-15.08	36.92	-8.50	Peak	---	---
5	210.36	32.33	43.50	-11.17	43.61	-11.28	Peak	---	---
6	249.43	22.57	46.00	-23.43	32.19	-9.62	Peak	---	---

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

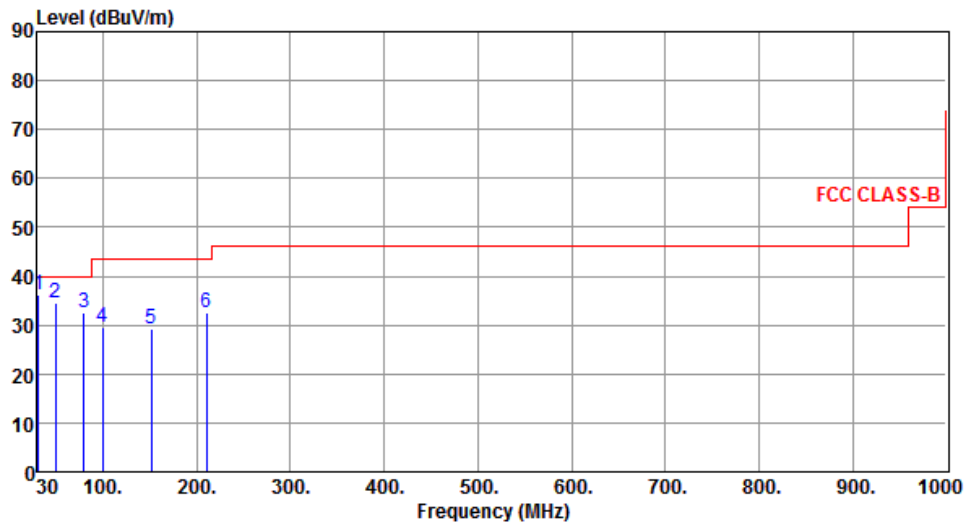
*Factor includes antenna factor , cable loss and amplifier gain

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	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		
 			

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	30.85	36.25	40.00	-3.75	45.60	-9.35	Peak	---	---
2	49.42	34.62	40.00	-5.38	42.77	-8.15	Peak	---	---
3	79.52	32.44	40.00	-7.56	45.51	-13.07	Peak	---	---
4	99.72	29.53	43.50	-13.97	43.10	-13.57	Peak	---	---
5	151.53	29.31	43.50	-14.19	37.80	-8.49	Peak	---	---
6	210.36	32.43	43.50	-11.07	43.71	-11.28	Peak	---	---

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

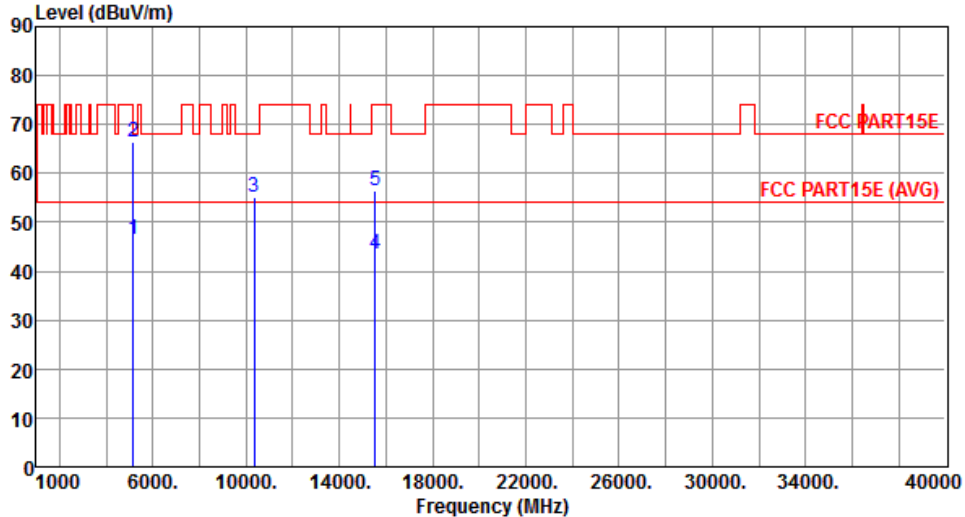
*Factor includes antenna factor , cable loss and amplifier gain

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.

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

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

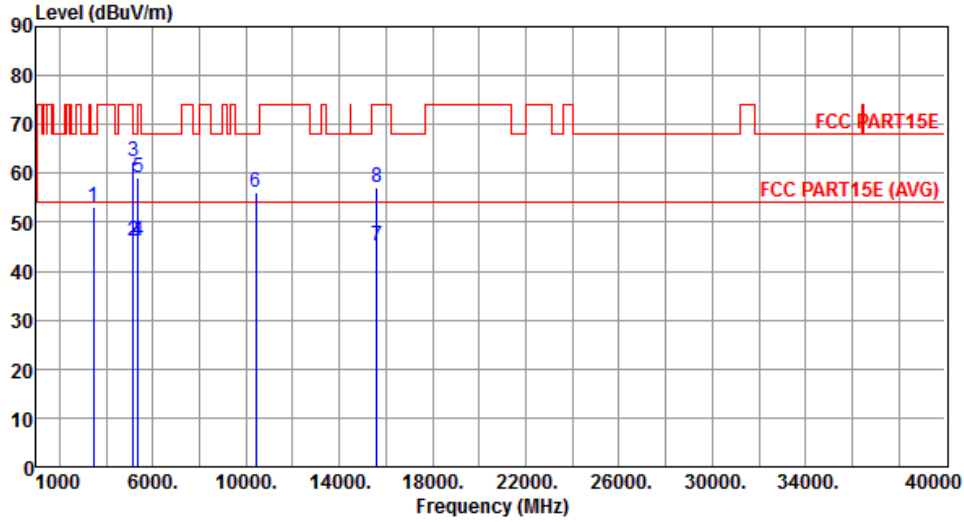


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	46.60	54.00	-7.40	41.58	5.02	Average	100	211
2	5150.00	66.31	74.00	-7.69	61.29	5.02	Peak	100	211
3	10360.00	54.97	68.20	-13.23	41.23	13.74	Peak	202	285
4	15540.00	43.39	54.00	-10.61	28.42	14.97	Average	144	302
5	15540.00	56.45	74.00	-17.55	41.48	14.97	Peak	144	302

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		
Level (dBuV/m) </			

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



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3466.66	53.11	68.20	-15.09	52.25	0.86	Peak	100	166
2	5150.00	46.16	54.00	-7.84	41.14	5.02	Average	172	211
3	5150.00	62.30	74.00	-11.70	57.28	5.02	Peak	172	211
4	5350.00	46.13	54.00	-7.87	40.82	5.31	Average	172	211
5	5350.00	59.14	74.00	-14.86	53.83	5.31	Peak	172	211
6	10400.00	56.26	68.20	-11.94	42.49	13.77	Peak	206	287
7	15600.00	45.16	54.00	-8.84	30.22	14.94	Average	146	304
8	15600.00	57.28	74.00	-16.72	42.34	14.94	Peak	146	304

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		
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		
Level (dBuV/m)			

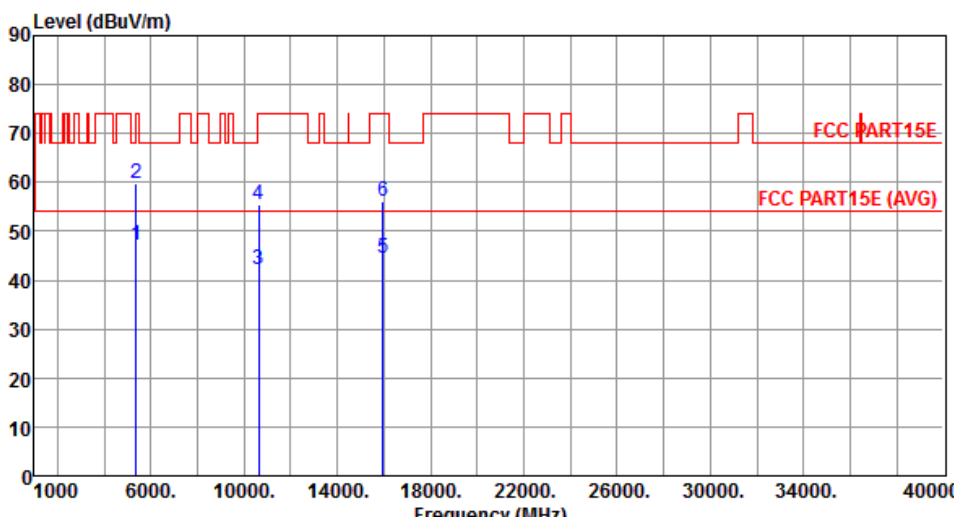
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		
 			

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		



The spectrum plot shows the emission level in dBUV/m across a frequency range from 1000 to 40000 MHz. The y-axis ranges from 0 to 90 dBUV/m. The red line represents the emission level, which is mostly below the FCC PART15E limit (54 dBUV/m). The red line is labeled 'FCC PART15E' and 'FCC PART15E (AVG)'. The blue line represents the emission level, which is mostly below the FCC PART15E limit. The blue line is labeled 'FCC PART15E' and 'FCC PART15E (AVG)'.

	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.10	54.00	-6.90	41.79	5.31	Average	124	189
2	5350.00	59.62	74.00	-14.38	54.31	5.31	Peak	124	189
3	10640.00	42.07	54.00	-11.93	28.11	13.96	Average	100	136
4	10640.00	55.52	74.00	-18.48	41.56	13.96	Peak	100	136
5	15960.00	44.36	54.00	-9.64	29.55	14.81	Average	100	2
6	15960.00	56.25	74.00	-17.75	41.44	14.81	Peak	100	2

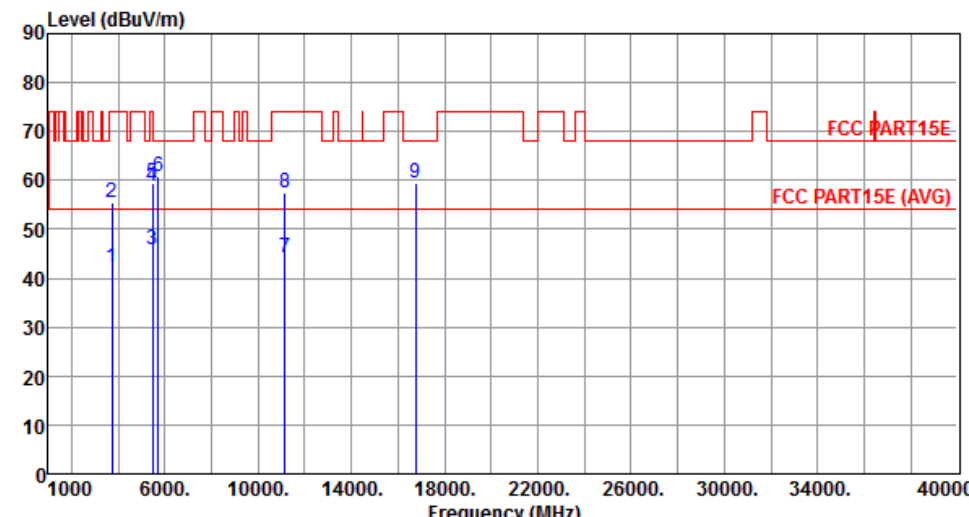
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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)	5500
Polarization	Vertical		
Level (dBuV/m)			

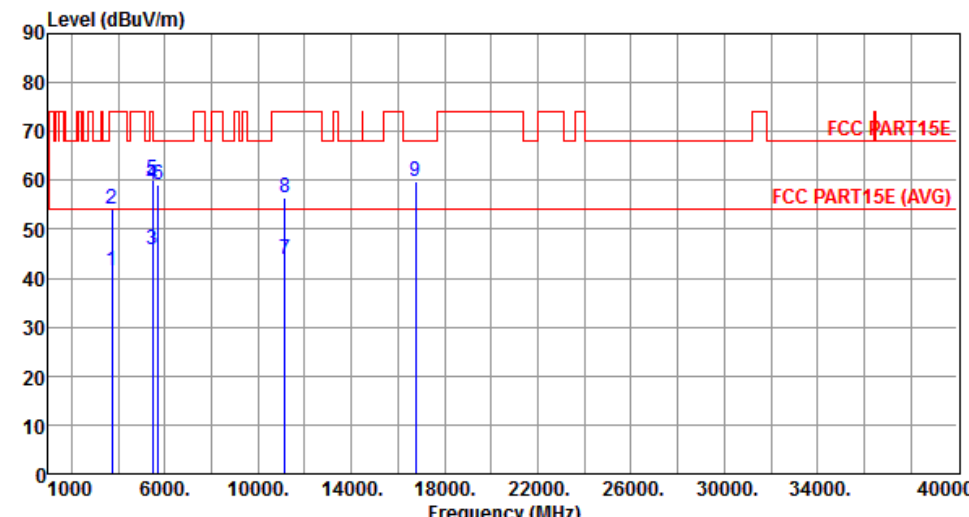
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	42.16	54.00	-11.84	40.56	1.60	Average	100	165
2	3720.00	55.33	74.00	-18.67	53.73	1.60	Peak	100	165
3	5460.00	45.86	54.00	-8.14	40.40	5.46	Average	146	211
4	5460.00	58.64	74.00	-15.36	53.18	5.46	Peak	146	211
5	5470.00	59.46	68.20	-8.74	53.99	5.47	Peak	146	211
6	5725.00	60.63	68.20	-7.57	54.82	5.81	Peak	146	211
7	11160.00	44.09	54.00	-9.91	29.65	14.44	Average	164	23
8	11160.00	57.54	74.00	-16.46	43.10	14.44	Peak	164	23
9	16740.00	59.30	68.20	-8.90	43.33	15.97	Peak	164	45

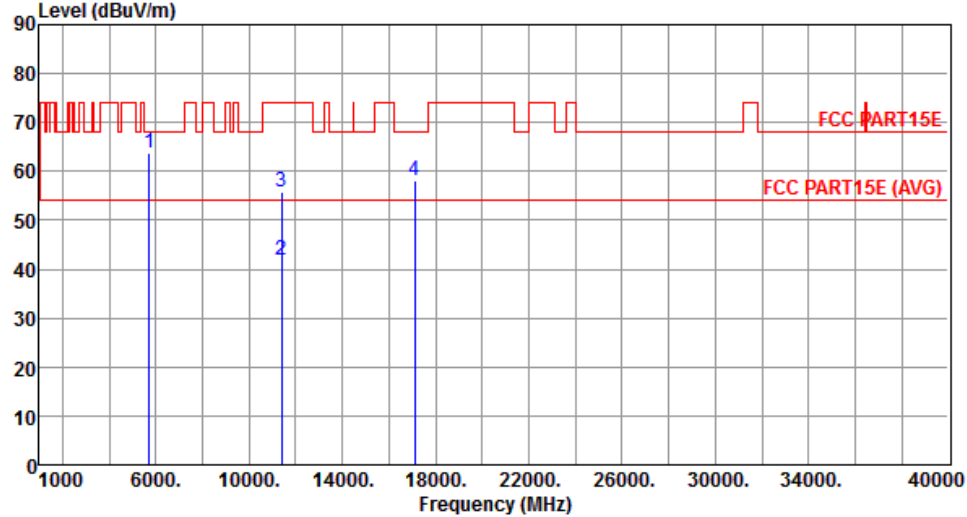
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	41.59	54.00	-12.41	39.99	1.60	Average	100	165
2	3720.00	54.06	74.00	-19.94	52.46	1.60	Peak	100	165
3	5460.00	45.69	54.00	-8.31	40.23	5.46	Average	145	258
4	5460.00	59.01	74.00	-14.99	53.55	5.46	Peak	145	258
5	5470.00	60.15	68.20	-8.05	54.68	5.47	Peak	145	258
6	5725.00	59.26	68.20	-8.94	53.45	5.81	Peak	145	258
7	11160.00	43.87	54.00	-10.13	29.43	14.44	Average	168	18
8	11160.00	56.37	74.00	-17.63	41.93	14.44	Peak	168	18
9	16740.00	59.75	68.20	-8.45	43.78	15.97	Peak	123	327

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)	5700																																																		
Polarization	Horizontal																																																				
 <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5725.00</td><td>63.78</td><td>68.20</td><td>-4.42</td><td>57.97</td><td>5.81</td><td>Peak</td><td>101</td><td>206</td></tr><tr><td>2</td><td>11400.00</td><td>42.00</td><td>54.00</td><td>-12.00</td><td>27.35</td><td>14.65</td><td>Average</td><td>162</td><td>25</td></tr><tr><td>3</td><td>11400.00</td><td>55.87</td><td>74.00</td><td>-18.13</td><td>41.22</td><td>14.65</td><td>Peak</td><td>162</td><td>25</td></tr><tr><td>4</td><td>17100.00</td><td>58.06</td><td>68.20</td><td>-10.14</td><td>41.55</td><td>16.51</td><td>Peak</td><td>100</td><td>145</td></tr></tbody></table> 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).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5725.00	63.78	68.20	-4.42	57.97	5.81	Peak	101	206	2	11400.00	42.00	54.00	-12.00	27.35	14.65	Average	162	25	3	11400.00	55.87	74.00	-18.13	41.22	14.65	Peak	162	25	4	17100.00	58.06	68.20	-10.14	41.55	16.51	Peak	100	145
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																												
1	5725.00	63.78	68.20	-4.42	57.97	5.81	Peak	101	206																																												
2	11400.00	42.00	54.00	-12.00	27.35	14.65	Average	162	25																																												
3	11400.00	55.87	74.00	-18.13	41.22	14.65	Peak	162	25																																												
4	17100.00	58.06	68.20	-10.14	41.55	16.51	Peak	100	145																																												

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal		
Level (dBUV/m) </			

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical		
Level (dBuV/m)			

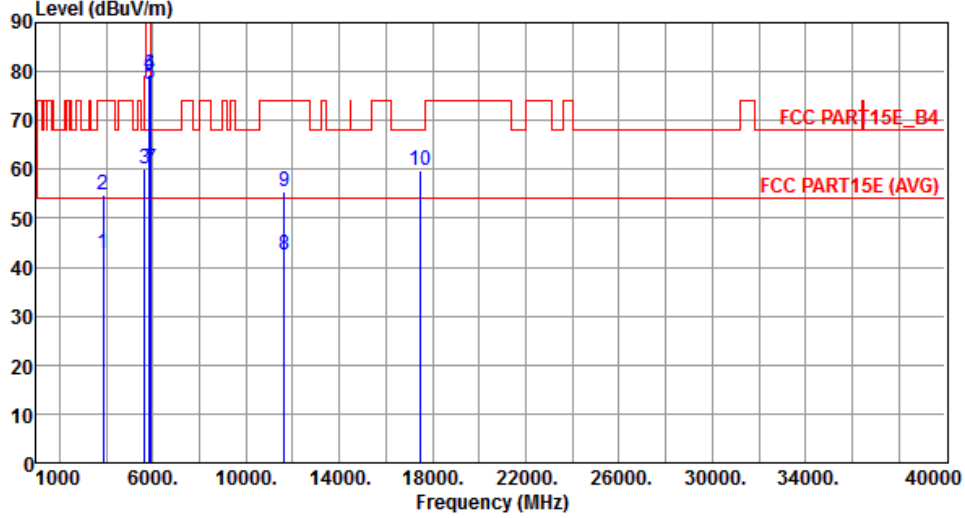
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		
 </			

Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		
 </			

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Level (dBUV/m)			

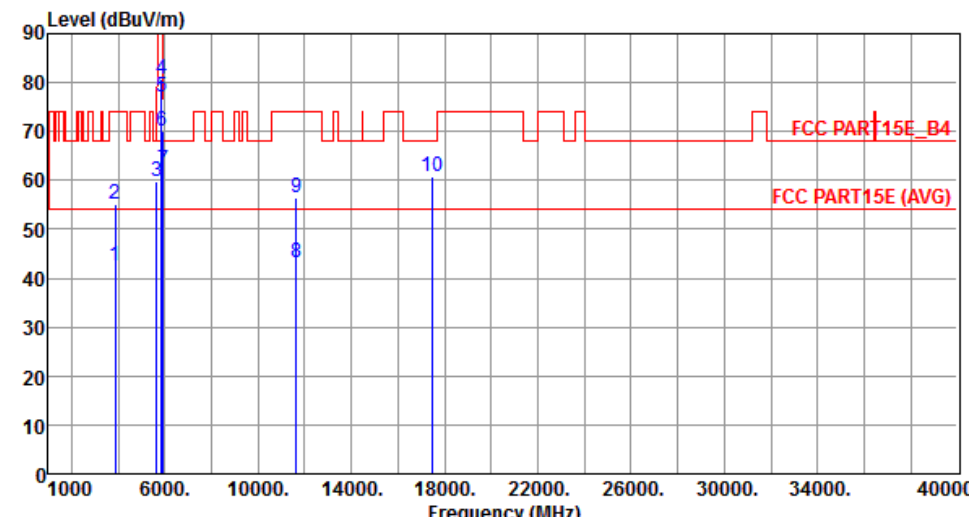
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	42.93	54.00	-11.07	40.79	2.14	Average	138	176
2	3883.33	54.85	74.00	-19.15	52.71	2.14	Peak	138	176
3	5650.00	60.06	68.20	-8.14	54.37	5.69	Peak	103	211
4	5850.00	79.39	122.20	-42.81	73.40	5.99	Peak	103	211
5	5855.00	77.31	110.80	-33.49	71.31	6.00	Peak	103	211
6	5875.00	79.41	105.20	-25.79	73.39	6.02	Peak	103	211
7	5925.00	60.01	68.20	-8.19	53.92	6.09	Peak	103	211
8	11650.00	42.40	54.00	-11.60	27.96	14.44	Average	100	45
9	11650.00	55.32	74.00	-18.68	40.88	14.44	Peak	100	45
10	17475.00	59.64	68.20	-8.56	41.60	18.04	Peak	100	288

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		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	42.60	54.00	-11.40	40.46	2.14	Average	153	288
2	3883.33	55.02	74.00	-18.98	52.88	2.14	Peak	153	288
3	5650.00	59.77	68.20	-8.43	54.08	5.69	Peak	270	260
4	5850.00	80.63	122.20	-41.57	74.64	5.99	Peak	270	260
5	5855.00	77.13	110.80	-33.67	71.13	6.00	Peak	270	260
6	5875.00	70.15	105.20	-35.05	64.13	6.02	Peak	270	260
7	5925.00	62.04	68.20	-6.16	55.95	6.09	Peak	270	260
8	11650.00	43.26	54.00	-10.74	28.82	14.44	Average	100	270
9	11650.00	56.55	74.00	-17.45	42.11	14.44	Peak	100	270
10	17475.00	60.82	68.20	-7.38	42.78	18.04	Peak	106	2

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).

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

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5180
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5200
Polarization	Vertical		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5240
Polarization	Vertical		
Level (dBuV/m) </			

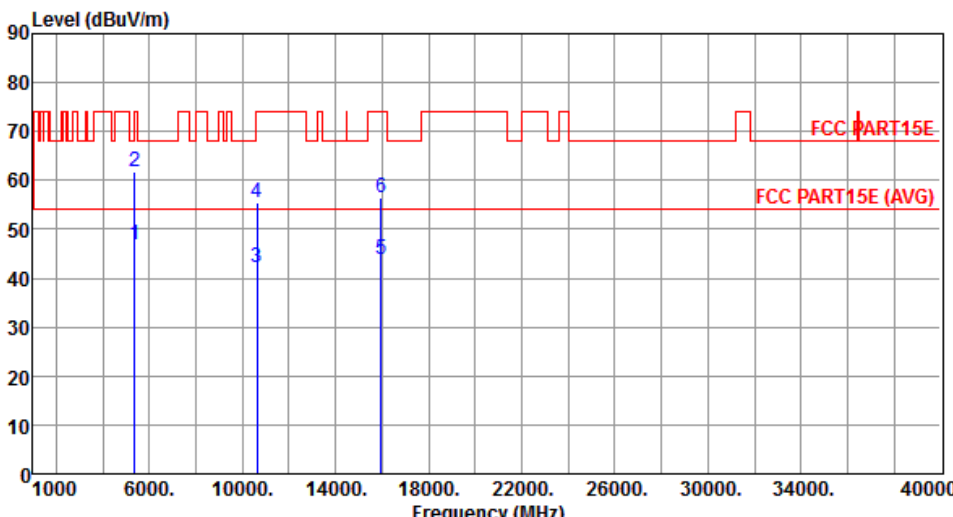
Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5260
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5300
Polarization	Vertical		
Level (dBuV/m) </			

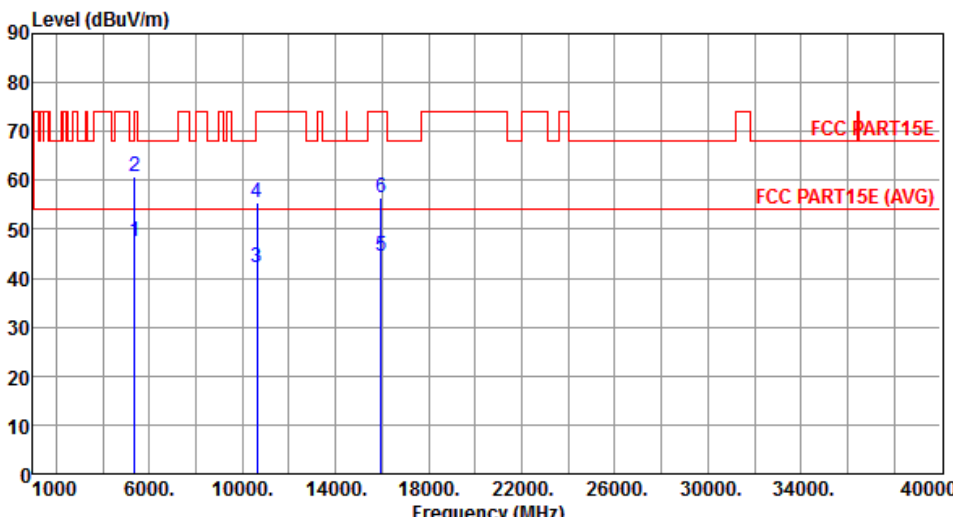
Modulation	VHT20	Test Freq. (MHz)	5320
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	46.73	54.00	-7.27	41.42	5.31	Average	173	210
2	5350.00	61.75	74.00	-12.25	56.44	5.31	Peak	173	210
3	10640.00	42.17	54.00	-11.83	28.21	13.96	Average	179	40
4	10640.00	55.36	74.00	-18.64	41.40	13.96	Peak	179	40
5	15960.00	43.88	54.00	-10.12	29.07	14.81	Average	100	306
6	15960.00	56.59	74.00	-17.41	41.78	14.81	Peak	100	306

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)	5320
Polarization	Vertical		

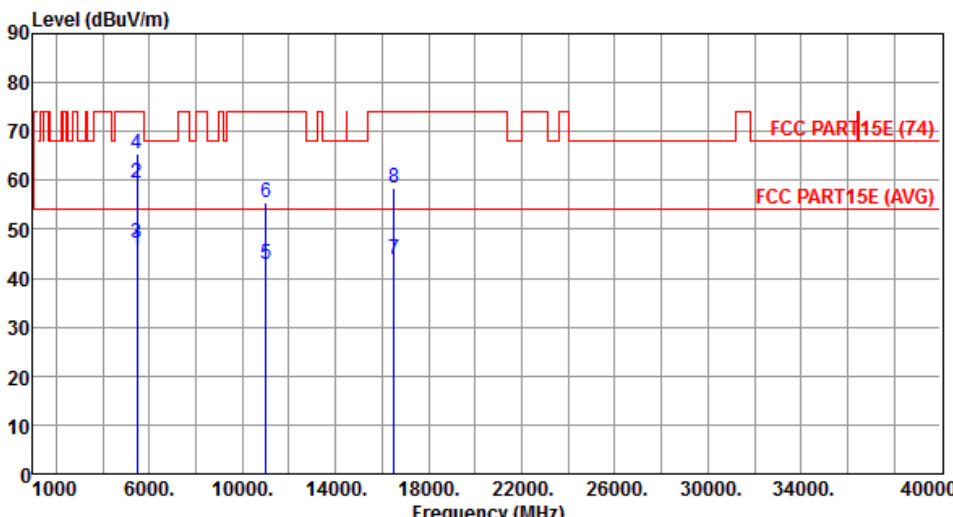


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.44	54.00	-6.56	42.13	5.31	Average	125	191
2	5350.00	60.93	74.00	-13.07	55.62	5.31	Peak	125	191
3	10640.00	42.15	54.00	-11.85	28.19	13.96	Average	100	133
4	10640.00	55.62	74.00	-18.38	41.66	13.96	Peak	100	133
5	15960.00	44.42	54.00	-9.58	29.61	14.81	Average	100	7
6	15960.00	56.40	74.00	-17.60	41.59	14.81	Peak	100	7

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)	5500
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5500
Polarization	Vertical		

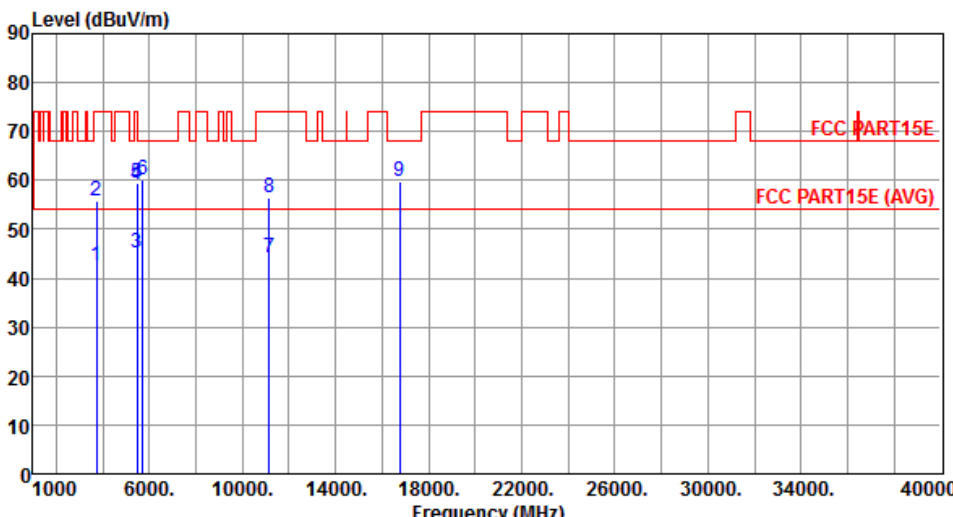


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	45.70	54.00	-8.30	40.24	5.46	Average	274	279
2	5460.00	59.34	74.00	-14.66	53.88	5.46	Peak	274	279
3	5470.00	47.12	54.00	-6.88	41.65	5.47	Average	274	279
4	5470.00	65.46	74.00	-8.54	59.99	5.47	Peak	274	279
5	11000.00	42.74	54.00	-11.26	28.44	14.30	Average	162	18
6	11000.00	55.47	74.00	-18.53	41.17	14.30	Peak	162	18
7	16500.00	43.94	54.00	-10.06	28.10	15.84	Average	100	335
8	16500.00	58.56	74.00	-15.44	42.72	15.84	Peak	100	335

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)	5580
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5580
Polarization	Vertical		

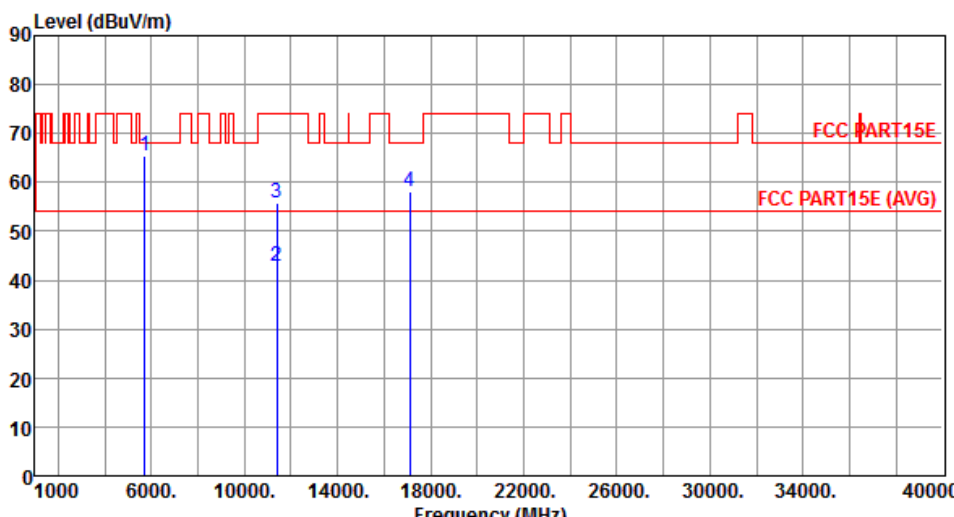


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3720.00	42.42	54.00	-11.58	40.82	1.60	Average	100	163
2	3720.00	55.88	74.00	-18.12	54.28	1.60	Peak	100	163
3	5460.00	45.02	54.00	-8.98	39.56	5.46	Average	313	249
4	5460.00	59.04	74.00	-14.96	53.58	5.46	Peak	313	249
5	5470.00	59.60	68.20	-8.60	54.13	5.47	Peak	313	249
6	5725.00	60.17	68.20	-8.03	54.36	5.81	Peak	313	249
7	11160.00	44.15	54.00	-9.85	29.71	14.44	Average	164	23
8	11160.00	56.41	74.00	-17.59	41.97	14.44	Peak	164	23
9	16740.00	59.83	68.20	-8.37	43.86	15.97	Peak	118	337

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)	5700
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5700
Polarization	Vertical		



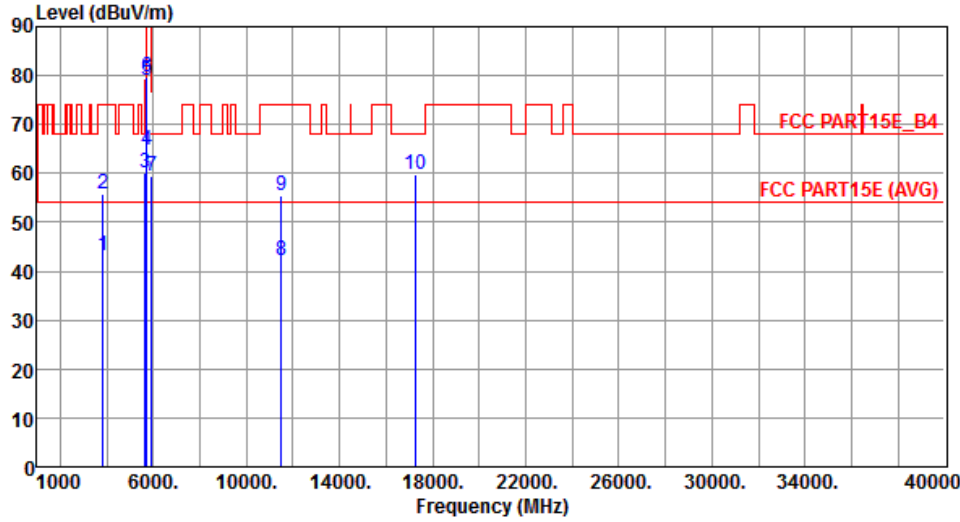
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	65.57	68.20	-2.63	59.76	5.81	Peak	250	238
2	11400.00	42.85	54.00	-11.15	28.20	14.65	Average	166	21
3	11400.00	55.74	74.00	-18.26	41.09	14.65	Peak	166	21
4	17100.00	58.23	68.20	-9.97	41.72	16.51	Peak	108	322

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)	5720
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT20	Test Freq. (MHz)	5720
Polarization	Vertical		
Level (dBuV/m)			

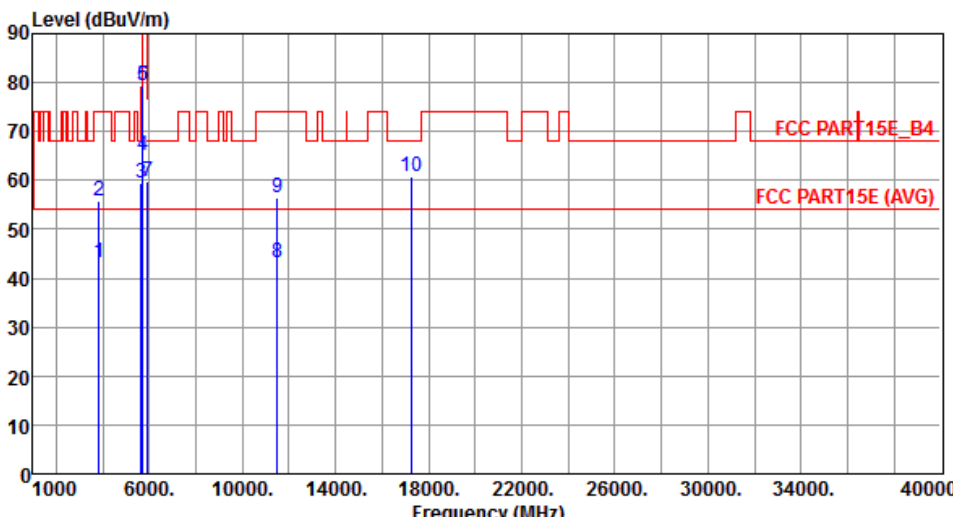
Modulation	VHT20	Test Freq. (MHz)	5745
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3830.00	43.21	54.00	-10.79	41.25	1.96	Average	135	180
2	3830.00	55.73	74.00	-18.27	53.77	1.96	Peak	135	180
3	5650.00	60.14	68.20	-8.06	54.45	5.69	Peak	128	220
4	5700.00	64.78	105.20	-40.42	59.01	5.77	Peak	128	220
5	5720.00	79.19	110.80	-31.61	73.40	5.79	Peak	128	220
6	5725.00	79.84	122.20	-42.36	74.03	5.81	Peak	128	220
7	5925.00	59.49	68.20	-8.71	53.40	6.09	Peak	128	220
8	11490.00	42.32	54.00	-11.68	27.59	14.73	Average	100	41
9	11490.00	55.30	74.00	-18.70	40.57	14.73	Peak	100	41
10	17235.00	59.63	68.20	-8.57	42.56	17.07	Peak	100	297

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		



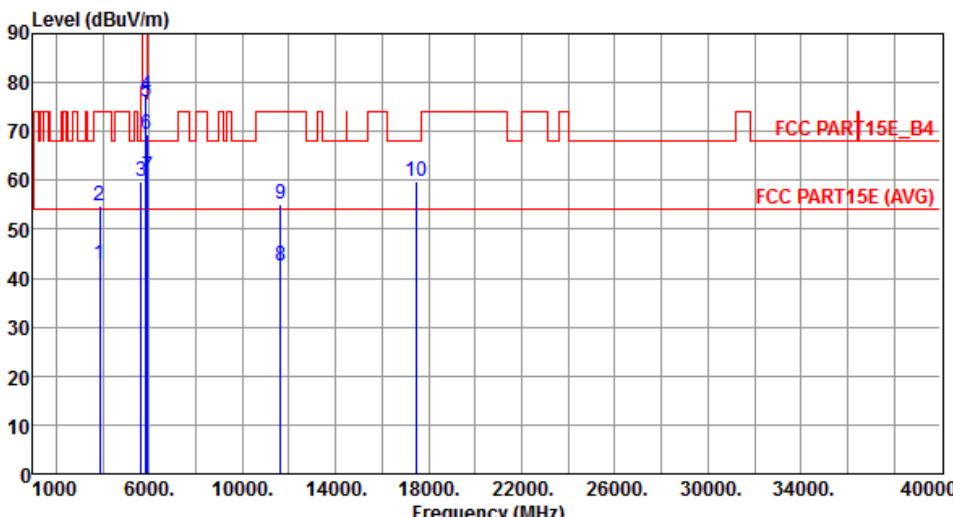
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3830.00	43.18	54.00	-10.82	41.22	1.96	Average	155	278
2	3830.00	55.73	74.00	-18.27	53.77	1.96	Peak	155	278
3	5650.00	59.50	68.20	-8.70	53.81	5.69	Peak	282	278
4	5700.00	65.17	105.20	-40.03	59.40	5.77	Peak	282	278
5	5720.00	79.44	110.80	-31.36	73.65	5.79	Peak	282	278
6	5725.00	79.50	122.20	-42.70	73.69	5.81	Peak	282	278
7	5925.00	59.89	68.20	-8.31	53.80	6.09	Peak	282	278
8	11490.00	43.24	54.00	-10.76	28.51	14.73	Average	100	290
9	11490.00	56.54	74.00	-17.46	41.81	14.73	Peak	100	290
10	17235.00	60.64	68.20	-7.56	43.57	17.07	Peak	111	0

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		
Level (dBuV/m) </			

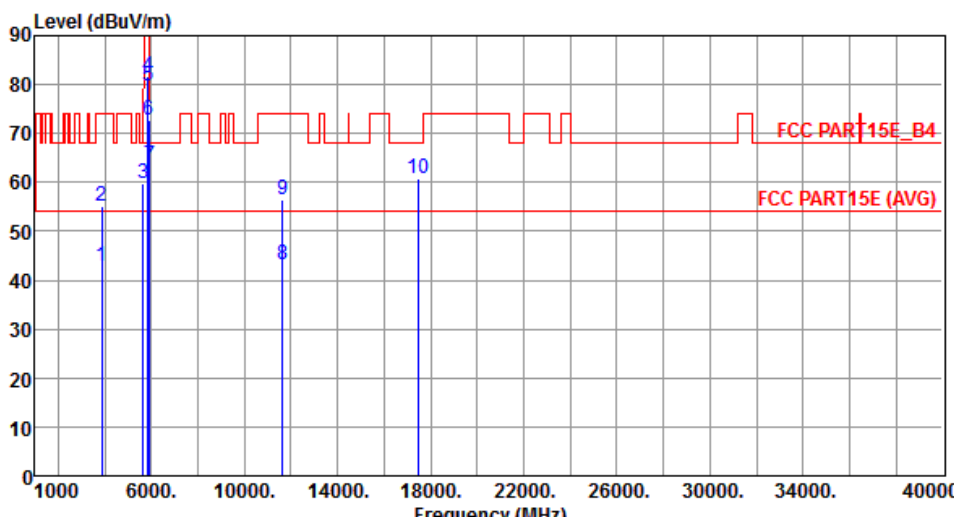
Modulation	VHT20	Test Freq. (MHz)	5785
Polarization	Vertical		
Level (dBUV/m) <			

Modulation	VHT20	Test Freq. (MHz)	5825
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	42.82	54.00	-11.18	40.68	2.14	Average	133	174
2	3883.33	54.77	74.00	-19.23	52.63	2.14	Peak	133	174
3	5650.00	59.66	68.20	-8.54	53.97	5.69	Peak	103	211
4	5850.00	77.23	122.20	-44.97	71.24	5.99	Peak	103	211
5	5855.00	76.21	110.80	-34.59	70.21	6.00	Peak	103	211
6	5875.00	69.35	105.20	-35.85	63.33	6.02	Peak	103	211
7	5925.00	60.93	68.20	-7.27	54.84	6.09	Peak	103	211
8	11650.00	42.35	54.00	-11.65	27.91	14.44	Average	100	42
9	11650.00	55.28	74.00	-18.72	40.84	14.44	Peak	100	42
10	17475.00	59.68	68.20	-8.52	41.64	18.04	Peak	100	276

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								
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3883.33	42.69	54.00	-11.31	40.55	2.14	Average	159	285
2	3883.33	55.20	74.00	-18.80	53.06	2.14	Peak	159	285
3	5650.00	59.70	68.20	-8.50	54.01	5.69	Peak	256	262
4	5850.00	81.59	122.20	-40.61	75.60	5.99	Peak	256	262
5	5855.00	79.63	110.80	-31.17	73.63	6.00	Peak	256	262
6	5875.00	72.78	105.20	-32.42	66.76	6.02	Peak	256	262
7	5925.00	63.40	68.20	-4.80	57.31	6.09	Peak	256	262
8	11650.00	43.18	54.00	-10.82	28.74	14.44	Average	100	262
9	11650.00	56.48	74.00	-17.52	42.04	14.44	Peak	100	262
10	17475.00	60.77	68.20	-7.43	42.73	18.04	Peak	106	0

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

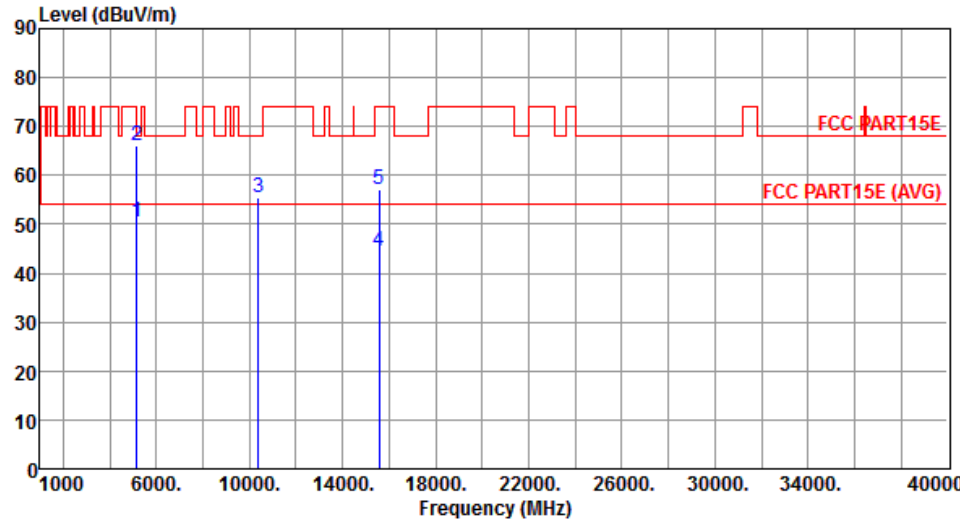
*Factor includes antenna factor , cable loss and amplifier gain

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

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

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT40	Test Freq. (MHz)	5190
Polarization	Vertical		



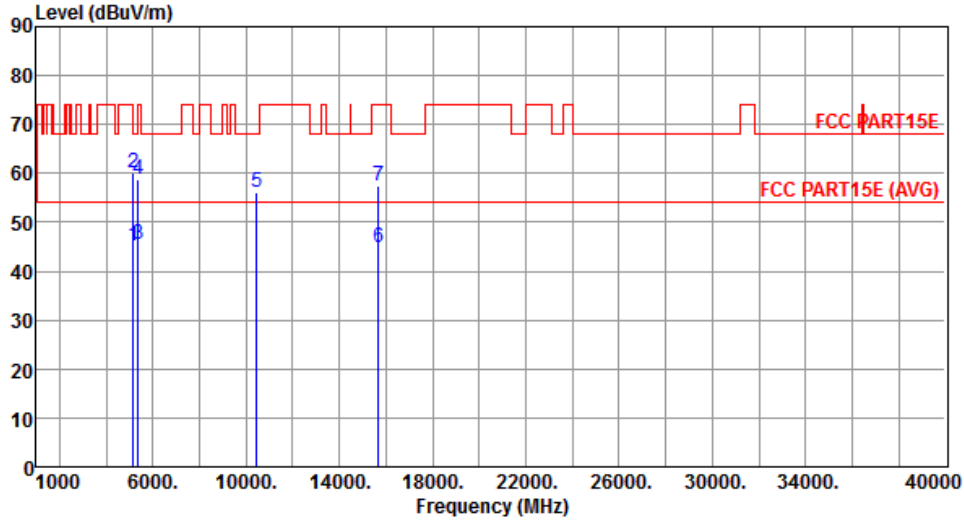
The spectrum plot shows the emission level in dBUV/m on the y-axis (0 to 90) against frequency in MHz on the x-axis (1000 to 40000). A red line represents the measured emission level, which is mostly below the 74 dBUV/m FCC PART15E limit. A horizontal red line at 54 dBUV/m is labeled 'FCC PART15E (AVG)'. Five specific points are marked with blue vertical lines and numbered 1 through 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	50.60	54.00	-3.40	45.58	5.02	Average	139	190
2	5150.00	66.03	74.00	-7.97	61.01	5.02	Peak	139	190
3	10380.00	55.62	68.20	-12.58	41.87	13.75	Peak	100	146
4	15570.00	44.53	54.00	-9.47	29.57	14.96	Average	100	18
5	15570.00	57.12	74.00	-16.88	42.16	14.96	Peak	100	18

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		
Level (dBuV/m) </			

Modulation	VHT40	Test Freq. (MHz)	5230
Polarization	Vertical		



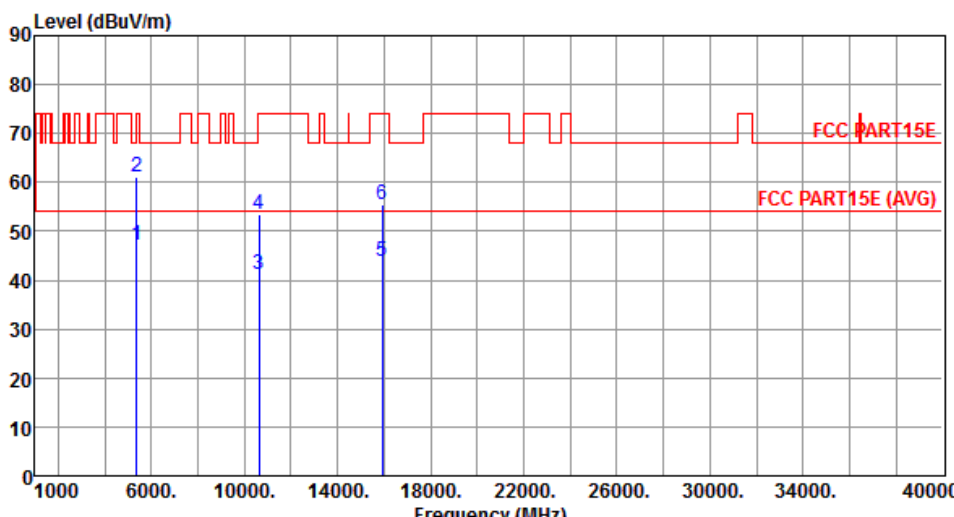
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	45.29	54.00	-8.71	40.27	5.02	Average	264	273
2	5150.00	60.07	74.00	-13.93	55.05	5.02	Peak	264	273
3	5350.00	45.37	54.00	-8.63	40.06	5.31	Average	264	273
4	5350.00	58.94	74.00	-15.06	53.63	5.31	Peak	264	273
5	10460.00	56.03	68.20	-12.17	42.24	13.79	Peak	100	161
6	15690.00	44.68	54.00	-9.32	29.76	14.92	Average	100	13
7	15690.00	57.54	74.00	-16.46	42.62	14.92	Peak	100	13

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)	5270
Polarization	Horizontal		
Level (dBuV/m) </			

Modulation	VHT40	Test Freq. (MHz)	5270
Polarization	Vertical		
Level (dBuV/m)			

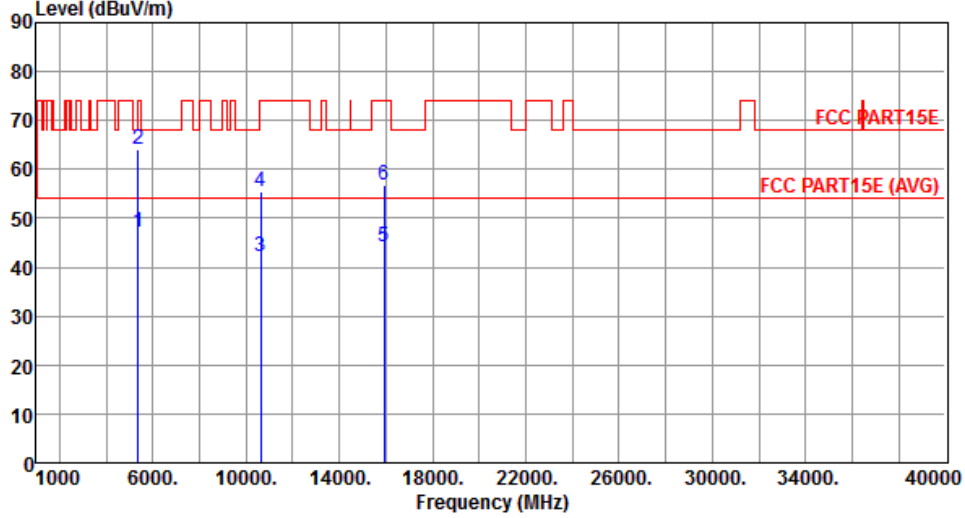
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.16	54.00	-6.84	41.85	5.31	Average	114	217
2	5350.00	60.94	74.00	-13.06	55.63	5.31	Peak	114	217
3	10620.00	41.10	54.00	-12.90	27.17	13.93	Average	171	62
4	10620.00	53.48	74.00	-20.52	39.55	13.93	Peak	171	62
5	15930.00	43.69	54.00	-10.31	28.87	14.82	Average	100	297
6	15930.00	55.35	74.00	-18.65	40.53	14.82	Peak	100	297

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).

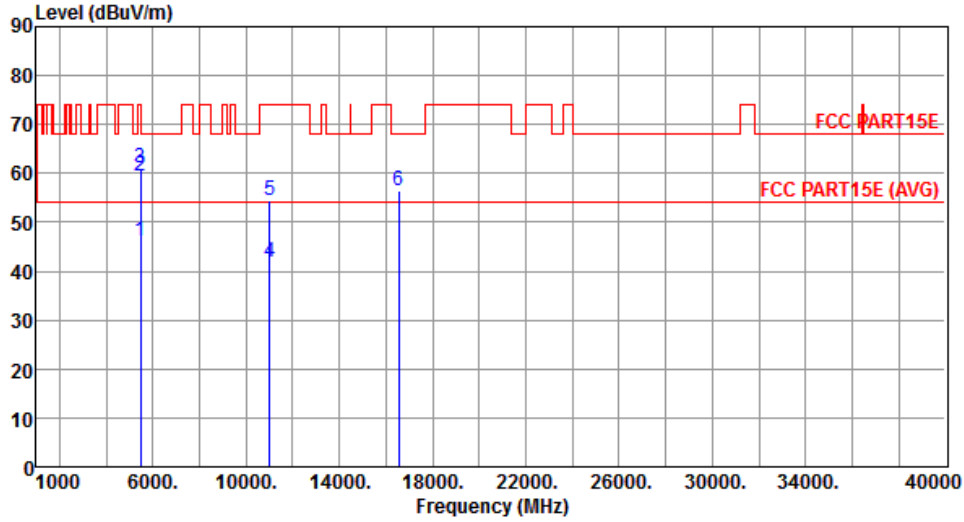
Modulation	VHT40	Test Freq. (MHz)	5310
Polarization	Vertical		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5350.00	47.09	54.00	-6.91	41.78	5.31	Average	263	279
2	5350.00	64.23	74.00	-9.77	58.92	5.31	Peak	263	279
3	10620.00	42.33	54.00	-11.67	28.40	13.93	Average	100	158
4	10620.00	55.31	74.00	-18.69	41.38	13.93	Peak	100	158
5	15930.00	44.14	54.00	-9.86	29.32	14.82	Average	100	26
6	15930.00	56.67	74.00	-17.33	41.85	14.82	Peak	100	26

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).

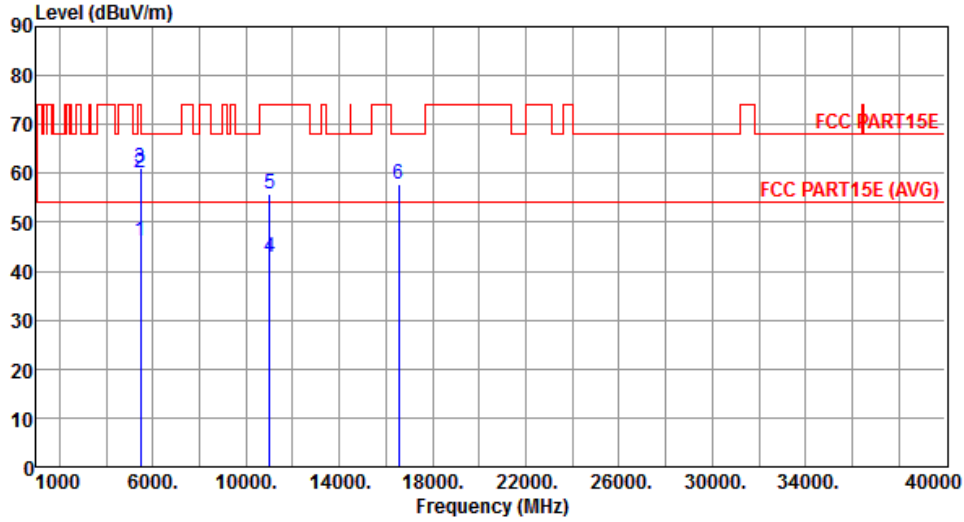
Modulation	VHT40	Test Freq. (MHz)	5510
Polarization	Horizontal		



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.07	54.00	-7.93	40.61	5.46	Average	139	225
2	5460.00	59.38	74.00	-14.62	53.92	5.46	Peak	139	225
3	5470.00	60.95	68.20	-7.25	55.48	5.47	Peak	139	225
4	11020.00	41.91	54.00	-12.09	27.59	14.32	Average	162	48
5	11020.00	54.48	74.00	-19.52	40.16	14.32	Peak	162	48
6	16530.00	56.49	68.20	-11.71	40.64	15.85	Peak	100	310

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)	5510
Polarization	Vertical		



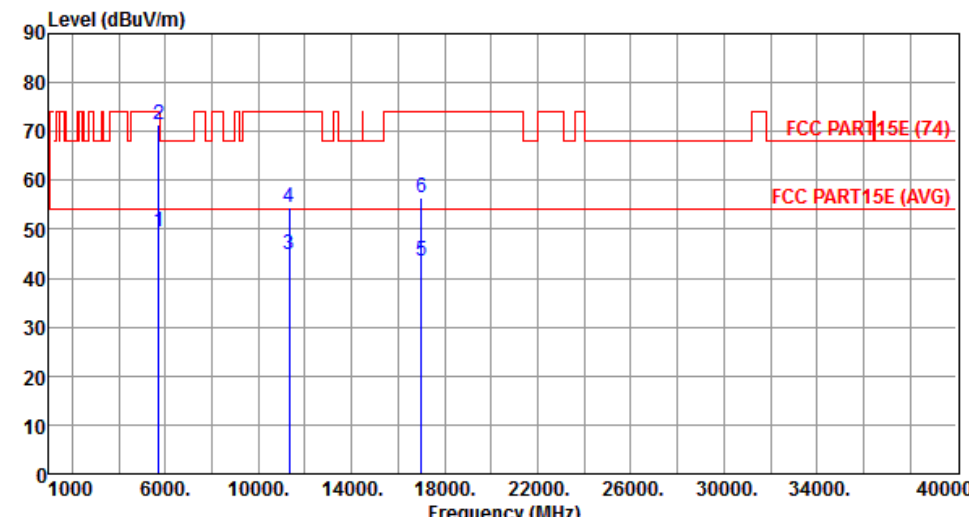
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	46.29	54.00	-7.71	40.83	5.46	Average	274	276
2	5460.00	59.96	74.00	-14.04	54.50	5.46	Peak	274	276
3	5470.00	61.25	68.20	-6.95	55.78	5.47	Peak	274	276
4	11020.00	43.00	54.00	-11.00	28.68	14.32	Average	100	170
5	11020.00	55.82	74.00	-18.18	41.50	14.32	Peak	100	170
6	16530.00	57.73	68.20	-10.47	41.88	15.85	Peak	100	31

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)	5590
Polarization	Horizontal		
Level (dBuV/m) <			

Modulation	VHT40	Test Freq. (MHz)	5590
Polarization	Vertical		
Level (dBuV/m) <			

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	49.40	54.00	-4.60	43.59	5.81	Average	131	211
2	5725.00	71.30	74.00	-2.70	65.49	5.81	Peak	131	211
3	11340.00	44.68	54.00	-9.32	30.08	14.60	Average	161	50
4	11340.00	54.51	74.00	-19.49	39.91	14.60	Peak	161	50
5	17010.00	43.53	54.00	-10.47	27.38	16.15	Average	100	264
6	17010.00	56.43	74.00	-17.57	40.28	16.15	Peak	100	264

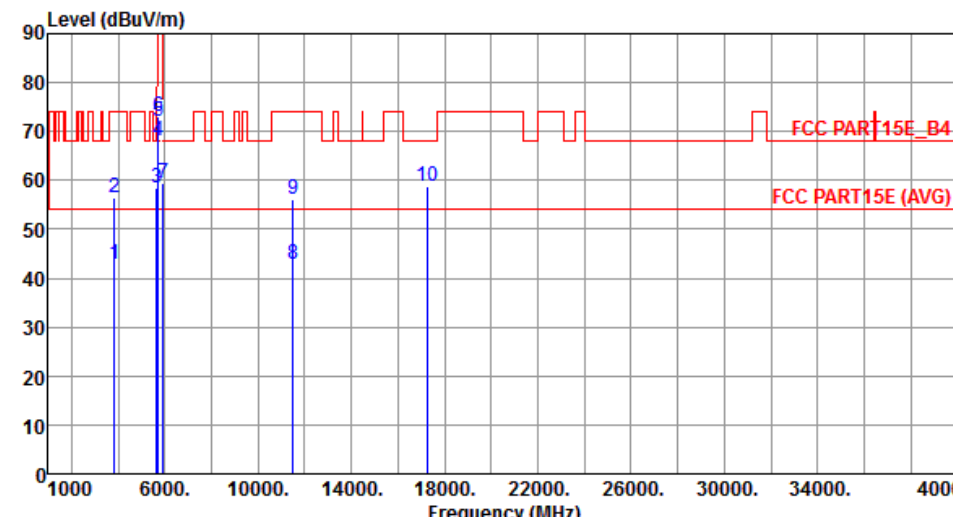
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	VHT40	Test Freq. (MHz)	5670
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5710
Polarization	Horizontal		
Level (dBuV/m)			

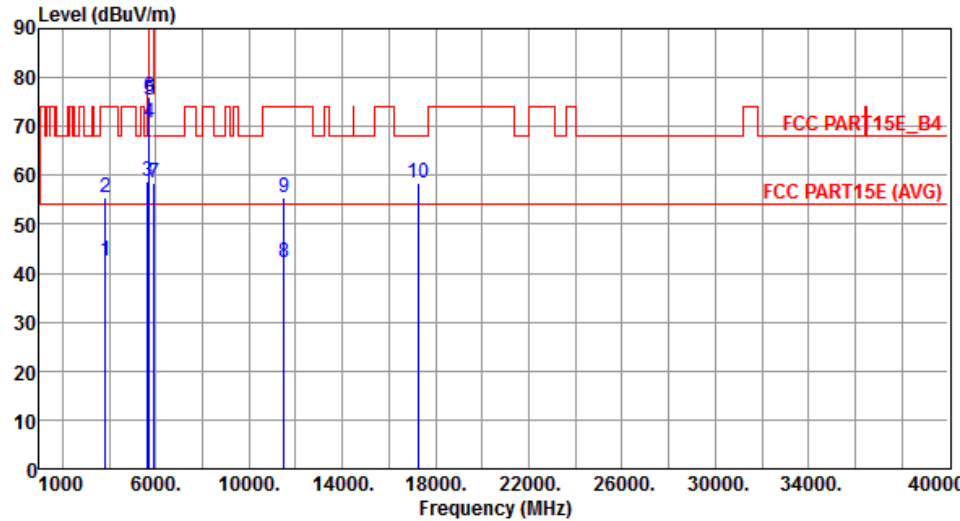
Modulation	VHT40	Test Freq. (MHz)	5710
Polarization	Vertical		
Level (dBuV/m)			

Modulation	VHT40	Test Freq. (MHz)	5755
Polarization	Horizontal		



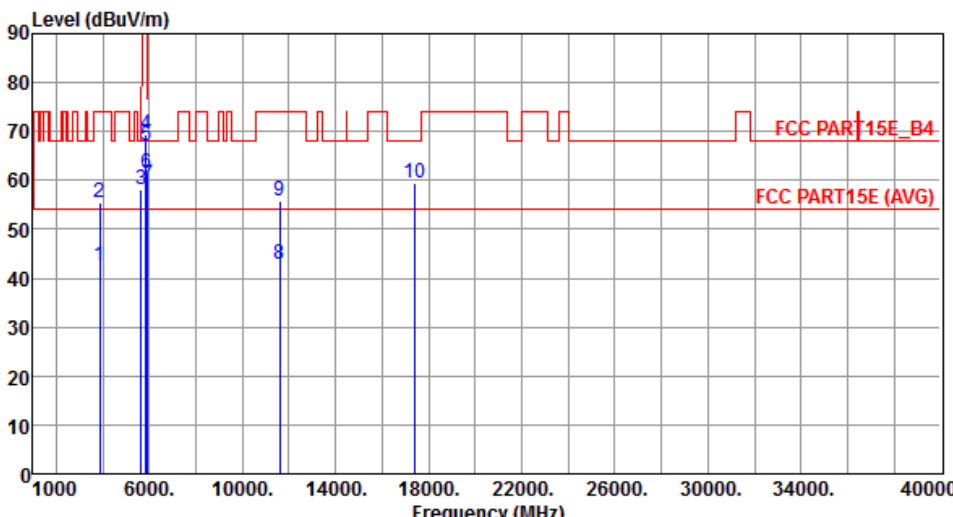
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3836.66	42.99	54.00	-11.01	41.01	1.98	Average	112	20
2	3836.66	56.46	74.00	-17.54	54.48	1.98	Peak	112	20
3	5650.00	58.46	68.20	-9.74	52.77	5.69	Peak	112	217
4	5700.00	68.16	105.20	-37.04	62.39	5.77	Peak	112	217
5	5720.00	72.15	110.80	-38.65	66.36	5.79	Peak	112	217
6	5725.00	73.21	122.20	-48.99	67.40	5.81	Peak	112	217
7	5925.00	59.53	68.20	-8.67	53.44	6.09	Peak	112	217
8	11510.00	42.68	54.00	-11.32	27.96	14.72	Average	100	173
9	11510.00	56.16	74.00	-17.84	41.44	14.72	Peak	100	173
10	17265.00	58.62	68.20	-9.58	41.45	17.17	Peak	100	38

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								
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3836.66	42.43	54.00	-11.57	40.45	1.98	Average	100	155
2	3836.66	55.43	74.00	-18.57	53.45	1.98	Peak	100	155
3	5650.00	58.83	68.20	-9.37	53.14	5.69	Peak	152	270
4	5700.00	70.85	105.20	-34.35	65.08	5.77	Peak	152	270
5	5720.00	75.50	110.80	-35.30	69.71	5.79	Peak	152	270
6	5725.00	75.92	122.20	-46.28	70.11	5.81	Peak	152	270
7	5925.00	58.41	68.20	-9.79	52.32	6.09	Peak	152	270
8	11510.00	42.27	54.00	-11.73	27.55	14.72	Average	100	165
9	11510.00	55.44	74.00	-18.56	40.72	14.72	Peak	100	165
10	17265.00	58.56	68.20	-9.64	41.39	17.17	Peak	100	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).

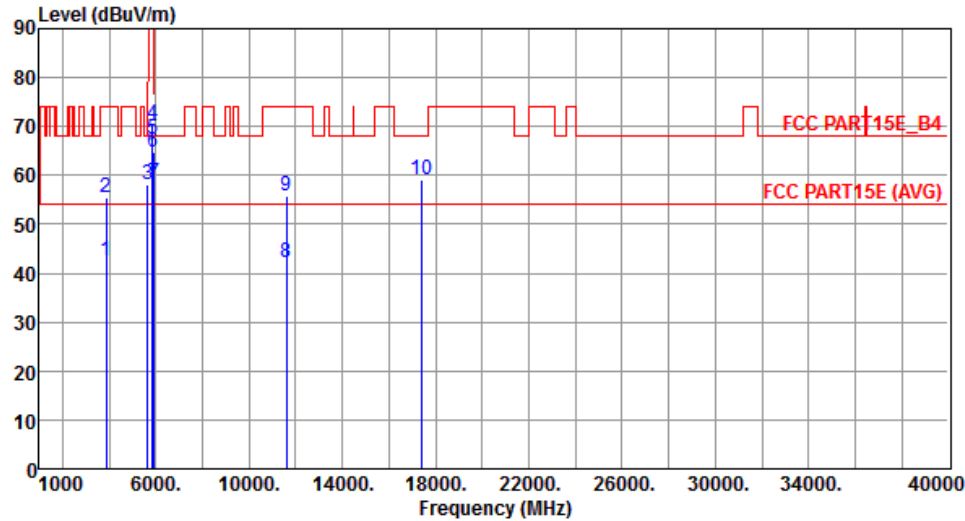
Modulation	VHT40	Test Freq. (MHz)	5795
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3863.33	42.51	54.00	-11.49	40.44	2.07	Average	100	165
2	3863.33	55.34	74.00	-18.66	53.27	2.07	Peak	100	165
3	5650.00	57.97	68.20	-10.23	52.28	5.69	Peak	135	222
4	5850.00	69.45	122.20	-52.75	63.46	5.99	Peak	135	222
5	5855.00	67.23	110.80	-43.57	61.23	6.00	Peak	135	222
6	5875.00	61.54	105.20	-43.66	55.52	6.02	Peak	135	222
7	5925.00	58.97	68.20	-9.23	52.88	6.09	Peak	135	222
8	11590.00	42.80	54.00	-11.20	28.24	14.56	Average	100	142
9	11590.00	55.92	74.00	-18.08	41.36	14.56	Peak	100	142
10	17385.00	59.35	68.20	-8.85	41.68	17.67	Peak	100	192

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		

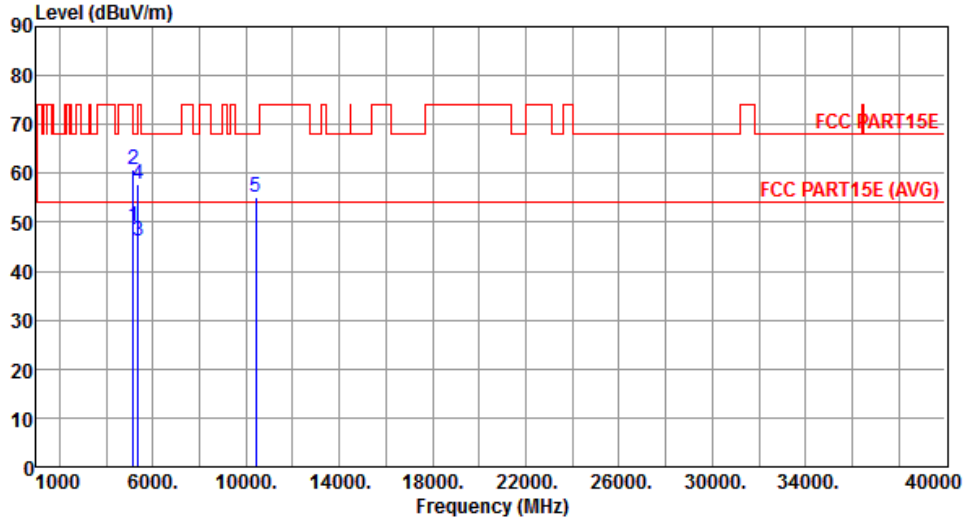


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3863.33	42.51	54.00	-11.49	40.44	2.07	Average	100	196
2	3863.33	55.45	74.00	-18.55	53.38	2.07	Peak	100	196
3	5650.00	58.13	68.20	-10.07	52.44	5.69	Peak	152	272
4	5850.00	70.43	122.20	-51.77	64.44	5.99	Peak	152	272
5	5855.00	67.43	110.80	-43.37	61.43	6.00	Peak	152	272
6	5875.00	64.67	105.20	-40.53	58.65	6.02	Peak	152	272
7	5925.00	58.48	68.20	-9.72	52.39	6.09	Peak	152	272
8	11590.00	42.24	54.00	-11.76	27.68	14.56	Average	100	212
9	11590.00	55.94	74.00	-18.06	41.38	14.56	Peak	100	212
10	17385.00	59.11	68.20	-9.09	41.44	17.67	Peak	100	263

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).

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

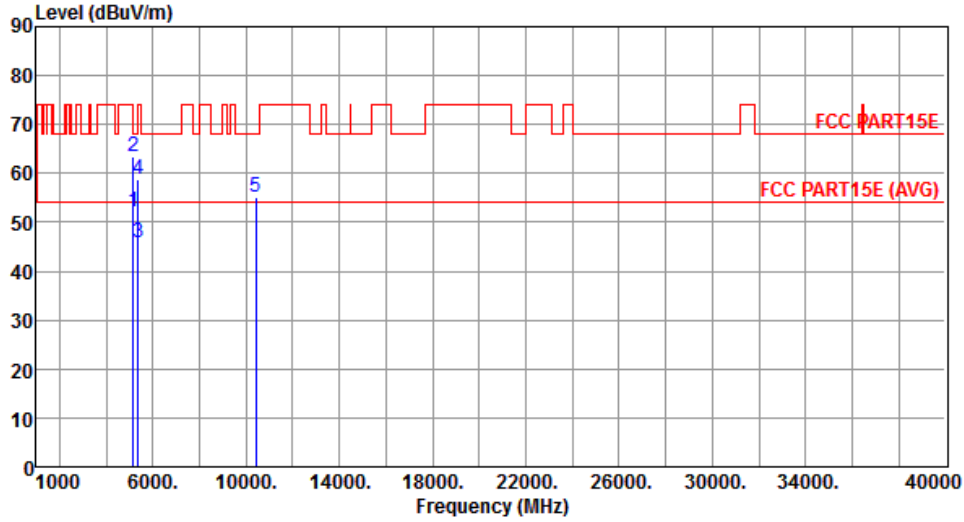
Modulation	VHT80	Test Freq. (MHz)	5210
Polarization	Horizontal		



	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	49.19	54.00	-4.81	44.17	5.02	Average	100	213
2	5150.00	60.80	74.00	-13.20	55.78	5.02	Peak	100	213
3	5350.00	46.02	54.00	-7.98	40.71	5.31	Average	100	213
4	5350.00	57.80	74.00	-16.20	52.49	5.31	Peak	100	213
5	10420.00	55.16	68.20	-13.04	41.38	13.78	Peak	100	174

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		

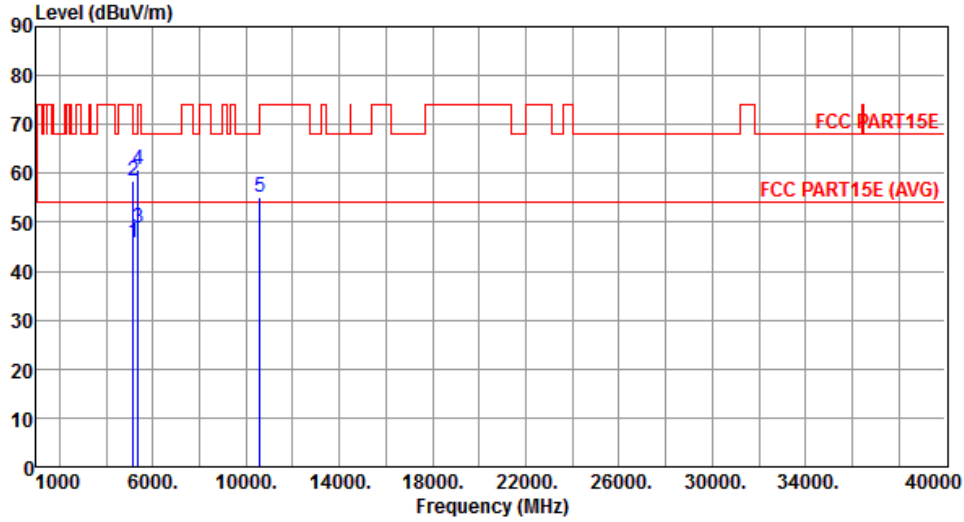


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5150.00	52.03	54.00	-1.97	47.01	5.02	Average	160	197
2	5150.00	63.56	74.00	-10.44	58.54	5.02	Peak	160	197
3	5350.00	45.94	54.00	-8.06	40.63	5.31	Average	160	197
4	5350.00	58.86	74.00	-15.14	53.55	5.31	Peak	160	197
5	10420.00	55.23	68.20	-12.97	41.45	13.78	Peak	100	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)	5290
Polarization	Horizontal		
Level (dBuV/m) <			

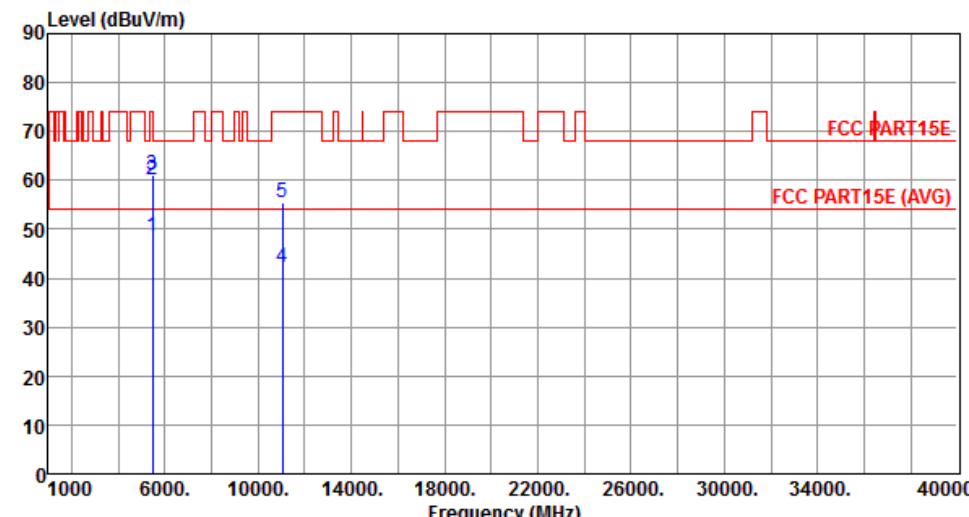
Modulation	VHT80	Test Freq. (MHz)	5290
Polarization	Vertical		



	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	40.66	5.02	Average	124	191
2	5150.00	58.50	74.00	-15.50	53.48	5.02	Peak	124	191
3	5350.00	48.74	54.00	-5.26	43.43	5.31	Average	124	191
4	5350.00	60.84	74.00	-13.16	55.53	5.31	Peak	124	191
5	10580.00	55.22	68.20	-12.98	41.32	13.90	Peak	100	173

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)	5530
Polarization	Horizontal		



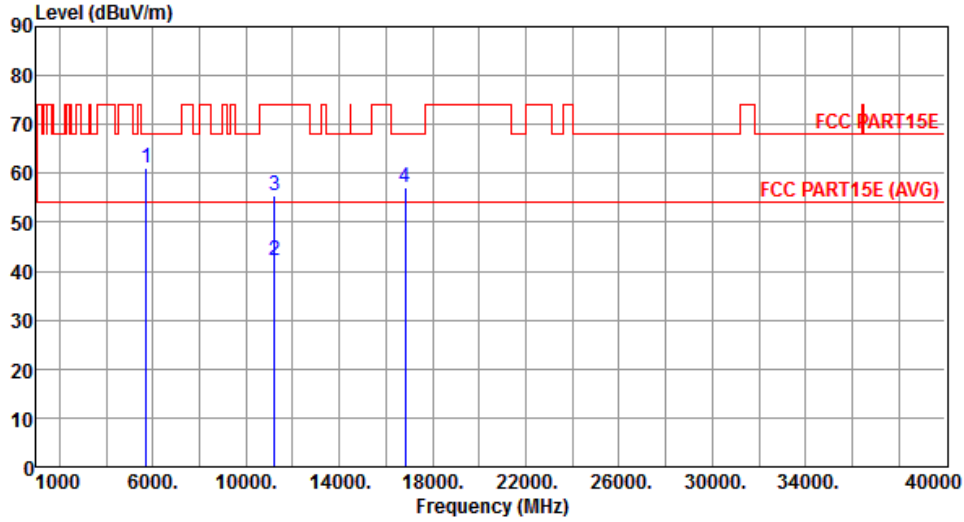
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	48.55	54.00	-5.45	43.09	5.46	Average	152	215
2	5460.00	59.97	74.00	-14.03	54.51	5.46	Peak	152	215
3	5470.00	61.09	68.20	-7.11	55.62	5.47	Peak	152	215
4	11060.00	42.11	54.00	-11.89	27.76	14.35	Average	100	183
5	11060.00	55.60	74.00	-18.40	41.25	14.35	Peak	100	183

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)	5530
Polarization	Vertical		
Level (dBuV/m) </			

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Horizontal		
Level (dBuV/m)			

Modulation	VHT80	Test Freq. (MHz)	5610
Polarization	Vertical		

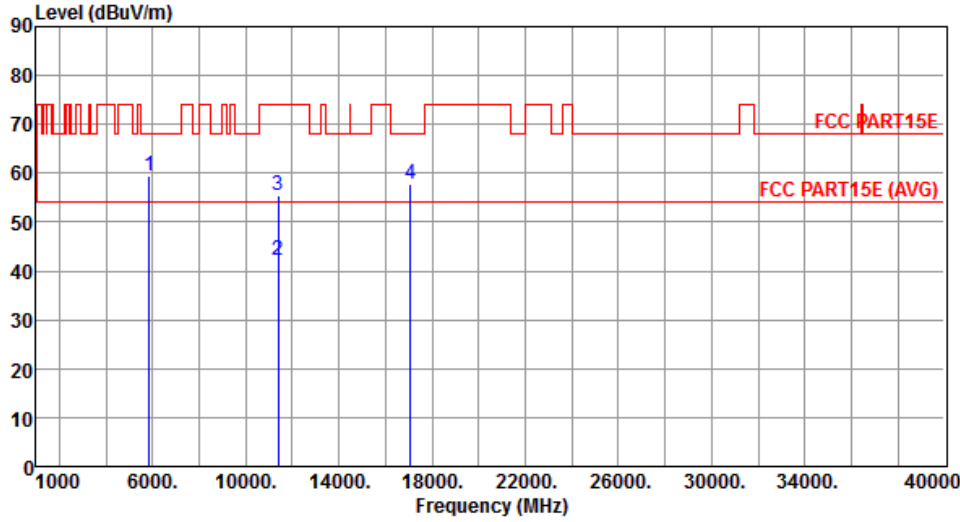


	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5725.00	61.08	68.20	-7.12	55.27	5.81	Peak	165	261
2	11220.00	42.05	54.00	-11.95	27.56	14.49	Average	100	138
3	11220.00	55.31	74.00	-18.69	40.82	14.49	Peak	100	138
4	16830.00	57.18	68.20	-11.02	41.16	16.02	Peak	100	205

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)	5690
Polarization	Horizontal		
Level (dBuV/m) </			

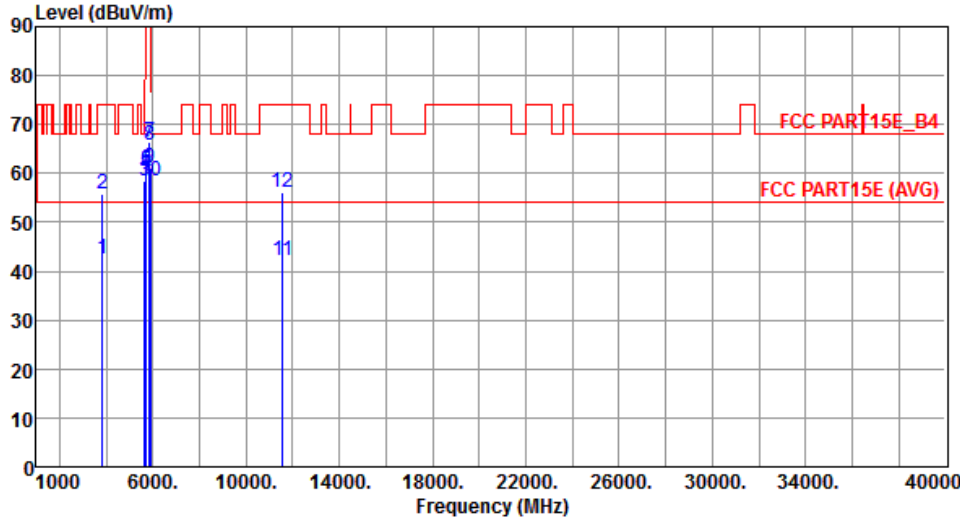
Modulation	VHT80	Test Freq. (MHz)	5690
Polarization	Vertical		



	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	59.45	68.20	-8.75	53.46	5.99	Peak	203	261
2	11380.00	42.25	54.00	-11.75	27.62	14.63	Average	100	192
3	11380.00	55.48	74.00	-18.52	40.85	14.63	Peak	100	192
4	17070.00	57.83	68.20	-10.37	41.44	16.39	Peak	100	155

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).

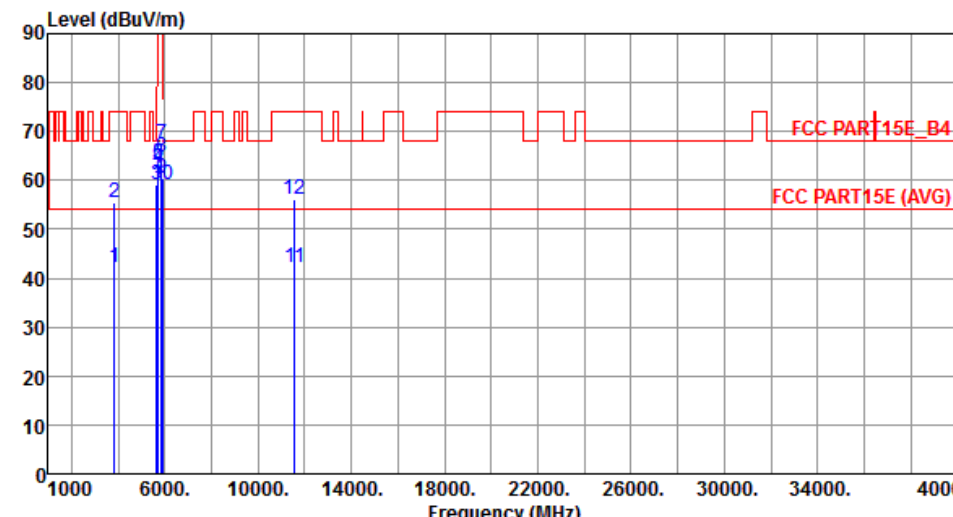
Modulation	VHT80	Test Freq. (MHz)	5775
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3850.00	42.46	54.00	-11.54	40.44	2.02	Average	100	165
2	3850.00	55.80	74.00	-18.20	53.78	2.02	Peak	100	165
3	5650.00	58.59	68.20	-9.61	52.90	5.69	Peak	135	216
4	5700.00	59.89	105.20	-45.31	54.12	5.77	Peak	135	216
5	5720.00	60.48	110.80	-50.32	54.69	5.79	Peak	135	216
6	5725.00	60.77	122.20	-61.43	54.96	5.81	Peak	135	216
7	5850.00	66.26	122.20	-55.94	60.27	5.99	Peak	135	216
8	5855.00	65.63	110.80	-45.17	59.63	6.00	Peak	135	216
9	5875.00	61.10	105.20	-44.10	55.08	6.02	Peak	135	216
10	5925.00	58.36	68.20	-9.84	52.27	6.09	Peak	135	216
11	11550.00	42.27	54.00	-11.73	27.63	14.64	Average	100	205
12	11550.00	56.08	74.00	-17.92	41.44	14.64	Peak	100	205

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		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3850.00	42.17	54.00	-11.83	40.15	2.02	Average	100	172
2	3850.00	55.30	74.00	-18.70	53.28	2.02	Peak	100	172
3	5650.00	59.04	68.20	-9.16	53.35	5.69	Peak	153	271
4	5700.00	62.48	105.20	-42.72	56.71	5.77	Peak	153	271
5	5720.00	63.43	110.80	-47.37	57.64	5.79	Peak	153	271
6	5725.00	63.35	122.20	-58.85	57.54	5.81	Peak	153	271
7	5850.00	67.34	122.20	-54.86	61.35	5.99	Peak	153	271
8	5855.00	64.68	110.80	-46.12	58.68	6.00	Peak	153	271
9	5875.00	60.60	105.20	-44.60	54.58	6.02	Peak	153	271
10	5925.00	59.23	68.20	-8.97	53.14	6.09	Peak	153	271
11	11550.00	42.20	54.00	-11.80	27.56	14.64	Average	100	162
12	11550.00	55.97	74.00	-18.03	41.33	14.64	Peak	100	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).

3.6 Frequency Stability

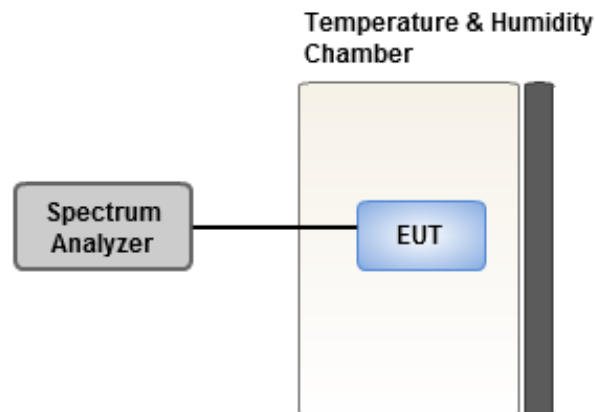
3.6.1 Limit of Frequency Stability

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 85 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: 5320 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	15.83	16.17	16.30	15.87
T20°CVmin	13.23	13.29	13.69	13.43
T85°CVnom	13.51	14.34	13.64	13.86
T80°CVnom	11.46	12.06	11.81	11.28
T70°CVnom	11.44	11.91	11.40	11.20
T60°CVnom	10.72	11.33	10.76	11.17
T50°C Vnom	11.63	11.76	11.25	11.90
T40°CVnom	8.52	8.20	8.35	9.09
T30°CVnom	8.66	9.02	9.07	9.14
T20°CVnom	9.47	9.77	9.63	9.13
T10°CVnom	7.42	8.03	7.64	7.67
T0°CVnom	9.67	10.01	10.03	9.58
T-10°CVnom	7.47	7.42	7.14	7.55
T-20°CVnom	7.84	8.49	7.96	8.08
T-30°CVnom	7.30	8.14	7.82	7.76
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 85		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°C Vmax	14.54	14.84	14.91	15.11
T20°C Vmin	12.32	12.03	11.69	12.53
T85°C Vnom	12.76	12.40	12.68	12.16
T80°C Vnom	11.28	11.48	11.05	11.07
T70°C Vnom	10.64	11.29	11.30	10.57
T60°C Vnom	10.24	9.63	9.85	10.14
T50°C Vnom	11.05	10.77	10.80	11.39
T40°C Vnom	8.44	8.24	8.48	8.06
T30°C Vnom	8.61	8.72	8.72	8.64
T20°C Vnom	9.85	10.11	9.41	9.72
T10°C Vnom	7.17	7.41	7.53	7.41
T0°C Vnom	8.99	8.46	8.45	8.67
T-10°C Vnom	6.77	6.58	7.41	7.30
T-20°C Vnom	7.83	7.91	7.40	7.97
T-30°C Vnom	7.06	7.50	7.60	7.07
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 85		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 (EMC and Wireless Communication Laboratory), 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 District. Location map can be found on our website <http://www.icertifi.com.tw>.

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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 District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
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City 333, Taiwan, R.O.C.

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

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Email: ICC_Service@icertifi.com.tw

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