Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11652.80	56.08	74.00	-17.92	44.51	7.52	38.73	34.68	39	157	Peak	HORIZONTAL
2	11653.61	44.26	54.00	-9.74	32.69	7.52	38.73	34.68	39	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11644.95	58.33	74.00	-15.67	46.77	7.50	38.73	34.67	8	158	Peak	VERTICAL
2	11646.15	45.11	54.00	-8.89	33.55	7.50	38.73	34.67	8	158	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15569.04	42.57	54.00	-11.43	29.21	9.78	38.22	34.64	79	164	Average	HORIZONTAL
2	15577.37	55.27	74.00	-18.73	41.94	9.78	38.22	34.67	79	164	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15545.88	42.49	54.00	-11.51	29.15	9.77	38.19	34.62	177	178	Average	VERTICAL
2	15577.05	55.85	74.00	-18.15	42.52	9.78	38.22	34.67	177	178	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15670.53	55.52	74.00	-18.48	41.99	9.85	38.41	34.73	218	178	Peak	HORIZONTAL
2	15704.34	43.17	54.00	-10.83	29.61	9.87	38.47	34.78	218	178	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15668.45	55.98	74.00	-18.02	42.45	9.85	38.41	34.73	165	178	Peak	VERTICAL
2	15674.46	43.09	54.00	-10.91	29.56	9.85	38.41	34.73	165	178	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11499.34	41.38	54.00	-12.62	29.97	7.33	38.70	34.62	72	150	Average	HORIZONTAL
2	11510.16	52.85	74.00	-21.15	41.44	7.33	38.70	34.62	72	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11491.33	52.88	74.00	-21.12	41.46	7.34	38.70	34.62	130	150	Peak	VERTICAL
2	11510.08	40.78	54.00	-13.22	29.37	7.33	38.70	34.62	130	150	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11578.38	43.92	54.00	-10.08	32.45	7.41	38.71	34.65	135	150	Average	HORIZONTAL
2	11612.68	52.88	74.00	-21.12	41.37	7.45	38.72	34.66	135	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11585.83	40.05	54.00	-13.95	28.55	7.43	38.72	34.65	193	150	Average	VERTICAL
2	11591.20	53.06	74.00	-20.94	41.56	7.43	38.72	34.65	193	150	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15628.80	56.60	74.00	-17.40	43.13	9.83	38.35	34.71	216	150	Peak	HORIZONTAL
2	15650.43	42.66	54.00	-11.34	29.17	9.84	38.38	34.73	216	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15620.95	55.68	74.00	-18.32	42.23	9.82	38.32	34.69	262	150	Peak	VERTICAL
2	15649.63	42.84	54.00	-11.16	29.33	9.84	38.38	34.71	262	150	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11557.13	39.92	54.00	-14.08	28.46	7.39	38.71	34.64	103	158	Average	HORIZONTAL
2	11574.44	52.86	74.00	-21.14	41.39	7.41	38.71	34.65	103	158	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11529.65	52.62	74.00	-21.38	41.20	7.35	38.70	34.63	90	158	Peak	VERTICAL
2	11572.28	39.92	54.00	-14.08	28.45	7.41	38.71	34.65	90	158	Average	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.65	58.35	74.00	-15.65	44.53	10.77	38.25	35.20	Peak	160	333	HORIZONTAL
2	15540.18	44.97	54.00	-9.03	31.15	10.77	38.25	35.20	Average	160	333	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.38	45.07	54.00	-8.93	31.25	10.77	38.25	35.20	Average	154	230	VERTICAL
2	15539.77	58.29	74.00	-15.71	44.47	10.77	38.25	35.20	Peak	154	230	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.28	46.10	54.00	-7.90	32.40	10.78	38.16	35.24	Average	133	312	HORIZONTAL
2	15600.18	57.72	74.00	-16.28	44.02	10.78	38.16	35.24	Peak	133	312	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.66	58.10	74.00	-15.90	44.40	10.78	38.16	35.24	Peak	153	136	VERTICAL
2	15600.92	45.02	54.00	-8.98	31.32	10.78	38.16	35.24	Average	153	136	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.45	57.41	74.00	-16.59	43.91	10.79	37.99	35.28	Peak	163	122	HORIZONTAL
2	15720.52	44.21	54.00	-9.79	30.71	10.79	37.99	35.28	Average	163	122	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.37	57.59	74.00	-16.41	44.09	10.79	37.99	35.28	Peak	166	87	VERTICAL
2	15720.53	44.60	54.00	-9.40	31.10	10.79	37.99	35.28	Average	166	87	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.08	55.16	74.00	-18.84	41.64	9.24	39.08	34.80	Peak	151	292	HORIZONTAL
2	11490.78	42.16	54.00	-11.84	28.64	9.24	39.08	34.80	Average	151	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.23	55.50	74.00	-18.50	41.98	9.24	39.08	34.80	Peak	143	260	VERTICAL
2	11490.86	42.06	54.00	-11.94	28.54	9.24	39.08	34.80	Average	143	260	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.34	55.62	74.00	-18.38	42.03	9.26	39.14	34.81	Peak	140	193	HORIZONTAL
2	11569.53	46.18	54.00	-7.82	32.59	9.26	39.14	34.81	Average	140	193	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.12	45.64	54.00	-8.36	32.06	9.26	39.14	34.82	Average	136	327	VERTICAL
2	11570.26	57.04	74.00	-16.96	43.46	9.26	39.14	34.82	Peak	136	327	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.01	55.30	74.00	-18.70	41.68	9.28	39.18	34.84	Peak	144	282	HORIZONTAL
2	11650.44	42.77	54.00	-11.23	29.15	9.28	39.18	34.84	Average	144	282	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.34	56.50	74.00	-17.50	42.88	9.28	39.18	34.84	Peak	142	261	VERTICAL
2	11650.07	42.84	54.00	-11.16	29.22	9.28	39.18	34.84	Average	142	261	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.69	44.79	54.00	-9.21	30.97	10.77	38.25	35.20	Average	143	227	HORIZONTAL
2	15540.09	58.07	74.00	-15.93	44.25	10.77	38.25	35.20	Peak	143	227	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.20	57.70	74.00	-16.30	43.88	10.77	38.25	35.20	Peak	136	246	VERTICAL
2	15539.73	44.84	54.00	-9.16	31.02	10.77	38.25	35.20	Average	136	246	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.53	58.19	74.00	-15.81	44.49	10.78	38.16	35.24	Peak	169	329	HORIZONTAL
2	15600.85	44.44	54.00	-9.56	30.74	10.78	38.16	35.24	Average	169	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.11	57.95	74.00	-16.05	44.25	10.78	38.16	35.24	Peak	137	238	VERTICAL
2	15600.90	44.90	54.00	-9.10	31.20	10.78	38.16	35.24	Average	137	238	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.14	57.23	74.00	-16.77	43.73	10.79	37.99	35.28	Peak	145	231	HORIZONTAL
2	15719.52	44.53	54.00	-9.47	31.03	10.79	37.99	35.28	Average	145	231	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.62	44.44	54.00	-9.56	30.94	10.79	37.99	35.28	Average	149	177	VERTICAL
2	15720.94	57.72	74.00	-16.28	44.22	10.79	37.99	35.28	Peak	149	177	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.12	42.34	54.00	-11.66	28.82	9.24	39.08	34.80	Average	147	95	HORIZONTAL
2	11490.61	55.08	74.00	-18.92	41.56	9.24	39.08	34.80	Peak	147	95	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.85	42.18	54.00	-11.82	28.66	9.24	39.08	34.80	Average	146	77	VERTICAL
2	11490.11	55.17	74.00	-18.83	41.65	9.24	39.08	34.80	Peak	146	77	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.21	55.82	74.00	-18.18	42.24	9.26	39.14	34.82	Peak	158	173	HORIZONTAL
2	11571.00	44.03	54.00	-9.97	30.45	9.26	39.14	34.82	Average	158	173	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.21	43.46	54.00	-10.54	29.87	9.26	39.14	34.81	Average	154	136	VERTICAL
2	11569.65	57.30	74.00	-16.70	43.71	9.26	39.14	34.81	Peak	154	136	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.24	55.58	74.00	-18.42	41.96	9.28	39.18	34.84	Peak	153	232	HORIZONTAL
2	11649.53	43.56	54.00	-10.44	29.94	9.28	39.18	34.84	Average	153	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.20	42.49	54.00	-11.51	28.87	9.28	39.18	34.84	Average	148	262	VERTICAL
2	11650.04	55.48	74.00	-18.52	41.86	9.28	39.18	34.84	Peak	148	262	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.13	44.81	54.00	-9.19	31.04	10.78	38.20	35.21	Average	151	123	HORIZONTAL
2	15569.33	57.93	74.00	-16.07	44.16	10.78	38.20	35.21	Peak	151	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.81	44.74	54.00	-9.26	30.97	10.78	38.20	35.21	Average	148	171	VERTICAL
2	15570.25	57.48	74.00	-16.52	43.71	10.78	38.20	35.21	Peak	148	171	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.36	57.21	74.00	-16.79	43.66	10.79	38.03	35.27	Peak	145	206	HORIZONTAL
2	15690.73	44.67	54.00	-9.33	31.12	10.79	38.03	35.27	Average	145	206	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.47	44.37	54.00	-9.63	30.82	10.79	38.03	35.27	Average	137	250	VERTICAL
2	15690.44	57.31	74.00	-16.69	43.76	10.79	38.03	35.27	Peak	137	250	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.07	54.69	74.00	-19.31	41.14	9.25	39.10	34.80	Peak	155	134	HORIZONTAL
2	11510.23	42.05	54.00	-11.95	28.50	9.25	39.10	34.80	Average	155	134	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.40	55.31	74.00	-18.69	41.76	9.25	39.10	34.80	Peak	167	155	VERTICAL
2	11510.88	42.14	54.00	-11.86	28.59	9.25	39.10	34.80	Average	167	155	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.01	42.92	54.00	-11.08	29.32	9.27	39.15	34.82	Average	148	108	HORIZONTAL
2	11590.79	54.98	74.00	-19.02	41.38	9.27	39.15	34.82	Peak	148	108	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.43	55.67	74.00	-18.33	42.07	9.27	39.15	34.82	Peak	152	138	VERTICAL
2	11589.67	43.07	54.00	-10.93	29.47	9.27	39.15	34.82	Average	152	138	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.14	44.63	54.00	-9.37	30.99	10.78	38.11	35.25	Average	130	196	HORIZONTAL
2	15630.28	57.79	74.00	-16.21	44.15	10.78	38.11	35.25	Peak	130	196	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.22	57.59	74.00	-16.41	43.95	10.78	38.11	35.25	Peak	123	316	VERTICAL
2	15630.06	44.75	54.00	-9.25	31.11	10.78	38.11	35.25	Average	123	316	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.02	42.43	54.00	-11.57	28.85	9.26	39.13	34.81	Average	156	179	HORIZONTAL
2	11550.66	55.60	74.00	-18.40	42.02	9.26	39.13	34.81	Peak	156	179	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.31	42.32	54.00	-11.68	28.74	9.26	39.13	34.81	Average	150	193	VERTICAL
2	11549.81	55.57	74.00	-18.43	41.99	9.26	39.13	34.81	Peak	150	193	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15539.90	59.06	74.00	-14.94	45.76	9.76	38.16	34.62	306	243	Peak	HORIZONTAL
2	15540.10	46.16	54.00	-7.84	32.86	9.76	38.16	34.62	306	243	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15541.30	58.99	74.00	-15.01	45.69	9.76	38.16	34.62	208	217	Peak	VERTICAL
2	15541.90	45.96	54.00	-8.04	32.66	9.76	38.16	34.62	208	217	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15597.34	45.96	54.00	-8.04	32.53	9.81	38.29	34.67	244	171	Average	HORIZONTAL
2	15603.26	56.18	74.00	-17.82	42.77	9.81	38.29	34.69	244	171	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15598.00	46.37	54.00	-7.63	32.94	9.81	38.29	34.67	328	188	Average	VERTICAL
2	15603.30	59.05	74.00	-14.95	45.64	9.81	38.29	34.69	328	188	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15715.24	57.91	74.00	-16.09	44.31	9.88	38.50	34.78	34	174	Peak	HORIZONTAL
2	15716.40	45.53	54.00	-8.47	31.93	9.88	38.50	34.78	34	174	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15715.92	58.89	74.00	-15.11	45.29	9.88	38.50	34.78	148	146	Peak	VERTICAL
2	15719.20	45.30	54.00	-8.70	31.70	9.88	38.50	34.78	148	146	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11491.10	53.32	74.00	-20.68	41.90	7.34	38.70	34.62	10	216	Peak	HORIZONTAL
2	11491.90	41.98	54.00	-12.02	30.56	7.34	38.70	34.62	10	216	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11491.90	41.94	54.00	-12.06	30.52	7.34	38.70	34.62	342	182	Average	VERTICAL
2	11492.20	53.01	74.00	-20.99	41.59	7.34	38.70	34.62	342	182	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11570.10	47.75	54.00	-6.25	36.28	7.41	38.71	34.65	13	225	Average	HORIZONTAL
2	11572.00	58.48	74.00	-15.52	47.01	7.41	38.71	34.65	13	225	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11573.10	45.86	54.00	-8.14	34.39	7.41	38.71	34.65	338	225	Average	VERTICAL
2	11575.10	58.19	74.00	-15.81	46.72	7.41	38.71	34.65	338	225	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11652.60	45.27	54.00	-8.73	33.70	7.52	38.73	34.68	165	225	Average	HORIZONTAL
2	11654.00	54.26	74.00	-19.74	42.69	7.52	38.73	34.68	165	225	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11627.90	53.54	74.00	-20.46	42.02	7.47	38.72	34.67	248	113	Peak	VERTICAL
2	11653.90	44.09	54.00	-9.91	32.52	7.52	38.73	34.68	248	113	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15535.56	45.66	54.00	-8.34	32.36	9.76	38.16	34.62	240	185	Average	HORIZONTAL
2	15542.28	57.54	74.00	-16.46	44.24	9.76	38.16	34.62	240	185	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15541.04	45.44	54.00	-8.56	32.14	9.76	38.16	34.62	192	148	Average	VERTICAL
2	15544.68	58.32	74.00	-15.68	44.98	9.77	38.19	34.62	192	148	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15602.50	58.65	74.00	-15.35	45.24	9.81	38.29	34.69	321	161	Peak	HORIZONTAL
2	15603.14	45.88	54.00	-8.12	32.47	9.81	38.29	34.69	321	161	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15599.52	46.19	54.00	-7.81	32.78	9.81	38.29	34.69	248	176	Average	VERTICAL
2	15600.94	58.77	74.00	-15.23	45.36	9.81	38.29	34.69	248	176	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15715.54	45.28	54.00	-8.72	31.68	9.88	38.50	34.78	248	136	Average	HORIZONTAL
2	15717.40	57.60	74.00	-16.40	44.00	9.88	38.50	34.78	248	136	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15715.20	45.12	54.00	-8.88	31.52	9.88	38.50	34.78	210	128	Average	VERTICAL
2	15719.16	58.00	74.00	-16.00	44.40	9.88	38.50	34.78	210	128	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11481.52	40.08	54.00	-13.92	28.66	7.34	38.70	34.62	358	183	Average	HORIZONTAL
2	11489.52	51.78	74.00	-22.22	40.36	7.34	38.70	34.62	358	183	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11486.48	52.68	74.00	-21.32	41.26	7.34	38.70	34.62	15	163	Peak	VERTICAL
2	11488.96	41.14	54.00	-12.86	29.72	7.34	38.70	34.62	15	163	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11575.64	57.17	74.00	-16.83	45.70	7.41	38.71	34.65	0	173	Peak	HORIZONTAL
2	11576.48	44.15	54.00	-9.85	32.68	7.41	38.71	34.65	0	173	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11575.24	44.63	54.00	-9.37	33.16	7.41	38.71	34.65	336	238	Average	VERTICAL
2	11575.32	56.31	74.00	-17.69	44.84	7.41	38.71	34.65	336	238	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11651.88	41.04	54.00	-12.96	29.47	7.52	38.73	34.68	159	157	Average	HORIZONTAL
2	11657.84	53.25	74.00	-20.75	41.68	7.52	38.73	34.68	159	157	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11645.20	53.62	74.00	-20.38	42.06	7.50	38.73	34.67	56	180	Peak	VERTICAL
2	11656.08	41.63	54.00	-12.37	30.06	7.52	38.73	34.68	56	180	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15575.72	58.37	74.00	-15.63	45.04	9.78	38.22	34.67	108	154	Peak	HORIZONTAL
2	15578.88	45.84	54.00	-8.16	32.45	9.80	38.26	34.67	108	154	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15569.36	45.75	54.00	-8.25	32.39	9.78	38.22	34.64	186	214	Average	VERTICAL
2	15570.80	58.40	74.00	-15.60	45.04	9.78	38.22	34.64	186	214	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15683.44	45.64	54.00	-8.36	32.09	9.86	38.44	34.75	175	152	Average	HORIZONTAL
2	15689.20	58.24	74.00	-15.76	44.69	9.86	38.44	34.75	175	152	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15682.00	45.80	54.00	-8.20	32.25	9.86	38.44	34.75	128	164	Average	VERTICAL
2	15696.36	57.97	74.00	-16.03	44.42	9.86	38.44	34.75	128	164	Peak	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11514.20	53.33	74.00	-20.67	41.92	7.33	38.70	34.62	142	163	Peak	HORIZONTAL
2	11519.76	40.88	54.00	-13.12	29.46	7.35	38.70	34.63	142	163	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11506.64	53.67	74.00	-20.33	42.26	7.33	38.70	34.62	86	140	Peak	VERTICAL
2	11518.36	40.58	54.00	-13.42	29.15	7.35	38.70	34.62	86	140	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11592.52	53.64	74.00	-20.36	42.14	7.43	38.72	34.65	254	180	Peak	HORIZONTAL
2	11595.56	41.37	54.00	-12.63	29.88	7.43	38.72	34.66	254	180	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11590.08	53.44	74.00	-20.56	41.94	7.43	38.72	34.65	160	153	Peak	VERTICAL
2	11598.04	41.54	54.00	-12.46	30.05	7.43	38.72	34.66	160	153	Average	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15634.62	57.48	74.00	-16.52	43.84	10.78	38.11	35.25	Peak	169	147	HORIZONTAL
2	15634.76	46.38	54.00	-7.62	32.74	10.78	38.11	35.25	Average	169	147	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.00	46.80	54.00	-7.20	33.14	10.78	38.13	35.25	Average	157	264	VERTICAL
2	15633.35	59.42	74.00	-14.58	45.78	10.78	38.11	35.25	Peak	157	264	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11545.00	49.41	74.00	-24.59	37.97	7.37	38.71	34.64	222	125	Peak	HORIZONTAL
2	11545.00	39.89	54.00	-14.11	28.45	7.37	38.71	34.64	222	125	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11545.00	48.89	74.00	-25.11	37.45	7.37	38.71	34.64	309	149	Peak	VERTICAL
2	11545.00	40.03	54.00	-13.97	28.59	7.37	38.71	34.64	309	149	Average	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15542.36	56.85	74.00	-17.15	43.03	10.77	38.25	35.20	Peak	161	170	HORIZONTAL
2	15542.39	44.20	54.00	-9.80	30.38	10.77	38.25	35.20	Average	161	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.52	44.07	54.00	-9.93	30.25	10.77	38.25	35.20	Average	154	268	VERTICAL
2	15542.21	56.86	74.00	-17.14	43.04	10.77	38.25	35.20	Peak	154	268	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.86	44.33	54.00	-9.67	30.61	10.78	38.16	35.22	Average	158	113	HORIZONTAL
2	15601.53	57.51	74.00	-16.49	43.81	10.78	38.16	35.24	Peak	158	113	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15602.55	57.73	74.00	-16.27	44.03	10.78	38.16	35.24	Peak	185	182	VERTICAL
2	15603.14	44.19	54.00	-9.81	30.49	10.78	38.16	35.24	Average	185	182	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.21	56.59	74.00	-17.41	43.09	10.79	37.99	35.28	Peak	179	144	HORIZONTAL
2	15718.47	44.09	54.00	-9.91	30.59	10.79	37.99	35.28	Average	179	144	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.45	43.99	54.00	-10.01	30.49	10.79	37.99	35.28	Average	166	89	VERTICAL
2	15723.81	56.69	74.00	-17.31	43.19	10.79	37.99	35.28	Peak	166	89	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.82	54.80	74.00	-19.20	41.28	9.24	39.08	34.80	Peak	197	194	HORIZONTAL
2	11490.36	42.53	54.00	-11.47	29.01	9.24	39.08	34.80	Average	197	194	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11492.03	45.75	54.00	-8.25	32.23	9.24	39.08	34.80	Average	234	123	VERTICAL
2	11492.89	59.08	74.00	-14.92	45.56	9.24	39.08	34.80	Peak	234	123	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11559.36	55.75	74.00	-18.25	42.17	9.26	39.13	34.81	Peak	206	138	HORIZONTAL
2	11571.16	45.61	54.00	-8.39	32.03	9.26	39.14	34.82	Average	206	138	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11571.59	60.86	74.00	-13.14	47.28	9.26	39.14	34.82	Peak	211	262	VERTICAL
2	11572.17	48.42	54.00	-5.58	34.84	9.26	39.14	34.82	Average	211	262	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11641.10	42.94	54.00	-11.06	29.31	9.28	39.18	34.83	Average	205	135	HORIZONTAL
2	11653.69	55.38	74.00	-18.62	41.75	9.28	39.19	34.84	Peak	205	135	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.66	56.79	74.00	-17.21	43.16	9.28	39.18	34.83	Peak	236	10	VERTICAL
2	11652.53	44.50	54.00	-9.50	30.87	9.28	39.19	34.84	Average	236	10	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.96	56.80	74.00	-17.20	42.98	10.77	38.25	35.20	Peak	152	140	HORIZONTAL
2	15540.50	43.57	54.00	-10.43	29.75	10.77	38.25	35.20	Average	152	140	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.85	57.39	74.00	-16.61	43.57	10.77	38.25	35.20	Peak	150	238	VERTICAL
2	15540.14	44.47	54.00	-9.53	30.65	10.77	38.25	35.20	Average	150	238	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.90	43.52	54.00	-10.48	29.82	10.78	38.16	35.24	Average	187	104	HORIZONTAL
2	15600.25	56.63	74.00	-17.37	42.93	10.78	38.16	35.24	Peak	187	104	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.08	44.23	54.00	-9.77	30.53	10.78	38.16	35.24	Average	156	286	VERTICAL
2	15600.20	57.37	74.00	-16.63	43.67	10.78	38.16	35.24	Peak	156	286	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.91	56.45	74.00	-17.55	42.95	10.79	37.99	35.28	Peak	187	142	HORIZONTAL
2	15720.40	43.14	54.00	-10.86	29.64	10.79	37.99	35.28	Average	187	142	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.89	57.15	74.00	-16.85	43.65	10.79	37.99	35.28	Peak	157	277	VERTICAL
2	15720.34	43.98	54.00	-10.02	30.48	10.79	37.99	35.28	Average	157	277	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.51	54.36	74.00	-19.64	40.84	9.24	39.08	34.80	Peak	174	276	HORIZONTAL
2	11490.28	41.15	54.00	-12.85	27.63	9.24	39.08	34.80	Average	174	276	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11494.34	56.31	74.00	-17.69	42.79	9.24	39.08	34.80	Peak	165	147	VERTICAL
2	11495.28	44.44	54.00	-9.56	30.92	9.24	39.08	34.80	Average	165	147	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.65	41.91	54.00	-12.09	28.32	9.26	39.14	34.81	Average	221	261	HORIZONTAL
2	11569.87	54.47	74.00	-19.53	40.89	9.26	39.14	34.82	Peak	221	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11575.43	60.49	74.00	-13.51	46.91	9.26	39.14	34.82	Peak	182	58	VERTICAL
2	11575.72	47.59	54.00	-6.41	34.01	9.26	39.14	34.82	Average	182	58	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.91	54.55	74.00	-19.45	40.93	9.28	39.18	34.84	Peak	150	222	HORIZONTAL
2	11649.96	41.63	54.00	-12.37	28.01	9.28	39.18	34.84	Average	150	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.73	57.12	74.00	-16.88	43.50	9.28	39.18	34.84	Peak	197	95	VERTICAL
2	11649.74	43.80	54.00	-10.20	30.18	9.28	39.18	34.84	Average	197	95	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.98	56.69	74.00	-17.31	42.92	10.78	38.20	35.21	Peak	150	256	HORIZONTAL
2	15570.32	43.29	54.00	-10.71	29.52	10.78	38.20	35.21	Average	150	256	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.72	57.16	74.00	-16.84	43.39	10.78	38.20	35.21	Peak	150	82	VERTICAL
2	15569.89	43.75	54.00	-10.25	29.98	10.78	38.20	35.21	Average	150	82	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.77	43.04	54.00	-10.96	29.49	10.79	38.03	35.27	Average	150	251	HORIZONTAL
2	15690.41	56.32	74.00	-17.68	42.77	10.79	38.03	35.27	Peak	150	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.68	55.73	74.00	-18.27	42.18	10.79	38.03	35.27	Peak	150	147	VERTICAL
2	15690.12	42.72	54.00	-11.28	29.17	10.79	38.03	35.27	Average	150	147	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.81	54.35	74.00	-19.65	40.80	9.25	39.10	34.80	Peak	150	174	HORIZONTAL
2	11510.18	41.68	54.00	-12.32	28.13	9.25	39.10	34.80	Average	150	174	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.88	40.97	54.00	-13.03	27.42	9.25	39.10	34.80	Average	150	334	VERTICAL
2	11510.48	55.36	74.00	-18.64	41.81	9.25	39.10	34.80	Peak	150	334	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.64	41.97	54.00	-12.03	28.37	9.27	39.15	34.82	Average	150	253	HORIZONTAL
2	11589.73	55.09	74.00	-18.91	41.49	9.27	39.15	34.82	Peak	150	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.91	54.68	74.00	-19.32	41.08	9.27	39.15	34.82	Peak	161	249	VERTICAL
2	11590.25	41.54	54.00	-12.46	27.94	9.27	39.15	34.82	Average	161	249	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.79	56.77	74.00	-17.23	43.13	10.78	38.11	35.25	Peak	150	261	HORIZONTAL
2	15630.20	43.34	54.00	-10.66	29.70	10.78	38.11	35.25	Average	150	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.00	42.50	54.00	-11.50	28.86	10.78	38.11	35.25	Average	150	151	VERTICAL
2	15630.15	55.92	74.00	-18.08	42.28	10.78	38.11	35.25	Peak	150	151	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.10	54.53	74.00	-19.47	40.95	9.26	39.13	34.81	Peak	150	186	HORIZONTAL
2	11550.21	41.76	54.00	-12.24	28.18	9.26	39.13	34.81	Average	150	186	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.58	41.37	54.00	-12.63	27.79	9.26	39.13	34.81	Average	150	268	VERTICAL
2	11549.84	54.20	74.00	-19.80	40.62	9.26	39.13	34.81	Peak	150	268	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.83	42.97	54.00	-11.03	29.15	10.77	38.25	35.20	Average	150	56	HORIZONTAL
2	15543.53	56.57	74.00	-17.43	42.76	10.78	38.23	35.20	Peak	150	56	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15544.66	43.20	54.00	-10.80	29.39	10.78	38.23	35.20	Average	163	232	VERTICAL
2	15547.79	57.30	74.00	-16.70	43.50	10.78	38.23	35.21	Peak	163	232	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.68	55.68	74.00	-18.32	41.96	10.78	38.16	35.22	Peak	211	153	HORIZONTAL
2	15601.68	42.37	54.00	-11.63	28.67	10.78	38.16	35.24	Average	211	153	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.82	55.01	74.00	-18.99	41.31	10.78	38.16	35.24	Peak	181	147	VERTICAL
2	15605.09	42.31	54.00	-11.69	28.61	10.78	38.16	35.24	Average	181	147	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.44	42.38	54.00	-11.62	28.88	10.79	37.99	35.28	Average	153	288	HORIZONTAL
2	15721.79	55.23	74.00	-18.77	41.73	10.79	37.99	35.28	Peak	153	288	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.59	55.74	74.00	-18.26	42.24	10.79	37.99	35.28	Peak	190	62	VERTICAL
2	15724.60	43.21	54.00	-10.79	29.71	10.79	37.99	35.28	Average	190	62	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11495.99	42.77	54.00	-11.23	29.25	9.24	39.08	34.80	Average	199	298	HORIZONTAL
2	11496.45	55.09	74.00	-18.91	41.57	9.24	39.08	34.80	Peak	199	298	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11483.05	40.86	54.00	-13.14	27.34	9.24	39.08	34.80	Average	172	223	VERTICAL
2	11491.56	53.96	74.00	-20.04	40.44	9.24	39.08	34.80	Peak	172	223	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11573.01	46.23	54.00	-7.77	32.65	9.26	39.14	34.82	Average	164	317	HORIZONTAL
2	11573.10	58.85	74.00	-15.15	45.27	9.26	39.14	34.82	Peak	164	317	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11567.95	41.75	54.00	-12.25	28.16	9.26	39.14	34.81	Average	158	30	VERTICAL
2	11568.18	53.93	74.00	-20.07	40.34	9.26	39.14	34.81	Peak	158	30	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.14	45.17	54.00	-8.83	31.55	9.28	39.18	34.84	Average	179	276	HORIZONTAL
2	11651.04	57.08	74.00	-16.92	43.45	9.28	39.19	34.84	Peak	179	276	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11645.69	41.35	54.00	-12.65	27.72	9.28	39.18	34.83	Average	166	176	VERTICAL
2	11645.72	54.04	74.00	-19.96	40.41	9.28	39.18	34.83	Peak	166	176	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.82	55.96	74.00	-18.04	42.14	10.77	38.25	35.20	Peak	183	104	HORIZONTAL
2	15542.46	43.41	54.00	-10.59	29.59	10.77	38.25	35.20	Average	183	104	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.13	56.57	74.00	-17.43	42.75	10.77	38.25	35.20	Peak	180	305	VERTICAL
2	15539.15	43.37	54.00	-10.63	29.55	10.77	38.25	35.20	Average	180	305	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.44	43.49	54.00	-10.51	29.77	10.78	38.16	35.22	Average	166	79	HORIZONTAL
2	15602.44	56.24	74.00	-17.76	42.54	10.78	38.16	35.24	Peak	166	79	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.07	43.28	54.00	-10.72	29.56	10.78	38.16	35.22	Average	181	316	VERTICAL
2	15598.13	56.15	74.00	-17.85	42.43	10.78	38.16	35.22	Peak	181	316	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.19	56.55	74.00	-17.45	43.05	10.79	37.99	35.28	Peak	179	91	HORIZONTAL
2	15722.06	43.35	54.00	-10.65	29.85	10.79	37.99	35.28	Average	179	91	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.09	56.57	74.00	-17.43	43.07	10.79	37.99	35.28	Peak	182	329	VERTICAL
2	15722.25	43.34	54.00	-10.66	29.84	10.79	37.99	35.28	Average	182	329	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11487.79	56.58	74.00	-17.42	43.06	9.24	39.08	34.80	Peak	224	301	HORIZONTAL
2	11489.41	42.79	54.00	-11.21	29.27	9.24	39.08	34.80	Average	224	301	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11488.92	41.42	54.00	-12.58	27.90	9.24	39.08	34.80	Average	240	340	VERTICAL
2	11490.96	54.38	74.00	-19.62	40.86	9.24	39.08	34.80	Peak	240	340	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.04	58.44	74.00	-15.56	44.85	9.26	39.14	34.81	Peak	246	309	HORIZONTAL
2	11569.80	45.87	54.00	-8.13	32.29	9.26	39.14	34.82	Average	246	309	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.98	56.47	74.00	-17.53	42.89	9.26	39.14	34.82	Peak	237	354	VERTICAL
2	11572.26	43.66	54.00	-10.34	30.08	9.26	39.14	34.82	Average	237	354	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.65	59.62	74.00	-14.38	46.00	9.28	39.18	34.84	Peak	249	303	HORIZONTAL
2	11650.08	44.67	54.00	-9.33	31.05	9.28	39.18	34.84	Average	249	303	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.78	55.78	74.00	-18.22	42.16	9.28	39.18	34.84	Peak	236	336	VERTICAL
2	11649.05	42.66	54.00	-11.34	29.04	9.28	39.18	34.84	Average	236	336	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.83	43.22	54.00	-10.78	29.45	10.78	38.20	35.21	Average	180	97	HORIZONTAL
2	15571.24	56.51	74.00	-17.49	42.74	10.78	38.20	35.21	Peak	180	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.68	55.61	74.00	-18.39	41.84	10.78	38.20	35.21	Peak	180	315	VERTICAL
2	15570.28	43.20	54.00	-10.80	29.43	10.78	38.20	35.21	Average	180	315	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.22	43.18	54.00	-10.82	29.63	10.79	38.03	35.27	Average	180	89	HORIZONTAL
2	15692.03	55.92	74.00	-18.08	42.37	10.79	38.03	35.27	Peak	180	89	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.31	43.29	54.00	-10.71	29.74	10.79	38.03	35.27	Average	182	342	VERTICAL
2	15689.10	56.55	74.00	-17.45	43.00	10.79	38.03	35.27	Peak	182	342	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.96	42.00	54.00	-12.00	28.45	9.25	39.10	34.80	Average	220	299	HORIZONTAL
2	11510.21	54.83	74.00	-19.17	41.28	9.25	39.10	34.80	Peak	220	299	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.07	41.35	54.00	-12.65	27.80	9.25	39.10	34.80	Average	225	315	VERTICAL
2	11509.88	54.61	74.00	-19.39	41.06	9.25	39.10	34.80	Peak	225	315	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.12	43.51	54.00	-10.49	29.91	9.27	39.15	34.82	Average	213	313	HORIZONTAL
2	11589.20	56.05	74.00	-17.95	42.45	9.27	39.15	34.82	Peak	213	313	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.47	41.72	54.00	-12.28	28.12	9.27	39.15	34.82	Average	215	349	VERTICAL
2	11590.02	55.10	74.00	-18.90	41.50	9.27	39.15	34.82	Peak	215	349	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15631.27	56.15	74.00	-17.85	42.51	10.78	38.11	35.25	Peak	190	87	HORIZONTAL
2	15631.32	43.33	54.00	-10.67	29.69	10.78	38.11	35.25	Average	190	87	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.61	56.53	74.00	-17.47	42.89	10.78	38.11	35.25	Peak	187	314	VERTICAL
2	15632.16	43.25	54.00	-10.75	29.61	10.78	38.11	35.25	Average	187	314	VERTICAL

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.62	41.63	54.00	-12.37	28.05	9.26	39.13	34.81	Average	223	316	HORIZONTAL
2	11552.15	54.82	74.00	-19.18	41.24	9.26	39.13	34.81	Peak	223	316	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11548.29	54.50	74.00	-19.50	40.93	9.26	39.12	34.81	Peak	231	288	VERTICAL
2	11549.62	41.76	54.00	-12.24	28.18	9.26	39.13	34.81	Average	231	288	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.7.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for Peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.71	68.57	74.00	-5.43	63.40	6.13	34.04	35.00	Peak	143	141	VERTICAL
2	5150.00	52.52	54.00	-1.48	47.35	6.13	34.04	35.00	Average	143	141	VERTICAL
3	5176.80	107.42			102.18	6.15	34.09	35.00	Average	143	141	VERTICAL
4	5178.24	116.73			111.49	6.15	34.09	35.00	Peak	143	141	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.70	54.00	-1.30	47.53	6.13	34.04	35.00	Average	106	203	VERTICAL
2	5150.00	66.25	74.00	-7.75	61.08	6.13	34.04	35.00	Peak	106	203	VERTICAL
3	5192.95	112.52			107.24	6.16	34.12	35.00	Average	106	203	VERTICAL
4	5193.27	122.37			117.09	6.16	34.12	35.00	Peak	106	203	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.56	46.02	54.00	-7.98	40.89	6.12	34.01	35.00	Average	100	208	VERTICAL
2	5139.52	57.99	74.00	-16.01	52.82	6.13	34.04	35.00	Peak	100	208	VERTICAL
3	5233.75	125.06			119.71	6.18	34.17	35.00	Peak	100	208	VERTICAL
4	5234.71	113.98			108.63	6.18	34.17	35.00	Average	100	208	VERTICAL
5	5350.58	45.09	54.00	-8.91	39.47	6.26	34.36	35.00	Average	100	208	VERTICAL
6	5360.67	56.99	74.00	-17.01	51.33	6.27	34.39	35.00	Peak	100	208	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.92	68.20	-1.28	60.87	6.44	34.64	35.03	Peak	200	219	VERTICAL
2	5723.80	72.85	78.20	-5.35	66.79	6.45	34.64	35.03	Peak	200	219	VERTICAL
3	5744.20	108.73			102.67	6.45	34.65	35.04	Average	200	219	VERTICAL
4	5744.40	120.07			114.01	6.45	34.65	35.04	Peak	200	219	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	64.86	68.20	-3.34	58.81	6.44	34.64	35.03	Peak	207	214	VERTICAL
2	5723.40	76.96	78.20	-1.24	70.90	6.45	34.64	35.03	Peak	207	214	VERTICAL
3	5783.40	123.79			117.72	6.46	34.66	35.05	Peak	207	214	VERTICAL
4	5784.20	113.74			107.67	6.46	34.66	35.05	Average	207	214	VERTICAL
5	5850.00	59.49	78.20	-18.71	53.39	6.49	34.67	35.06	Peak	207	214	VERTICAL
6	5880.60	60.39	68.20	-7.81	54.28	6.50	34.68	35.07	Peak	207	214	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.80	121.34			115.25	6.48	34.67	35.06	Peak	205	217	VERTICAL
2	5824.20	109.59			103.50	6.48	34.67	35.06	Average	205	217	VERTICAL
3	5852.60	77.09	78.20	-1.11	70.99	6.49	34.67	35.06	Peak	205	217	VERTICAL
4	5864.60	65.42	68.20	-2.78	59.32	6.50	34.67	35.07	Peak	205	217	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.60	65.16	74.00	-8.84	59.99	6.13	34.04	35.00	Peak	201	138	VERTICAL
2	5150.00	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	Average	201	138	VERTICAL
3	5175.80	110.15			104.91	6.15	34.09	35.00	Average	201	138	VERTICAL
4	5176.20	121.55			116.31	6.15	34.09	35.00	Peak	201	138	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.60	64.74	74.00	-9.26	59.57	6.13	34.04	35.00	Peak	195	137	VERTICAL
2	5150.00	52.65	54.00	-1.35	47.48	6.13	34.04	35.00	Average	195	137	VERTICAL
3	5195.60	113.14			107.86	6.16	34.12	35.00	Average	195	137	VERTICAL
4	5196.40	123.99			118.71	6.16	34.12	35.00	Peak	195	137	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5121.20	58.74	74.00	-15.26	53.64	6.11	33.99	35.00	Peak	197	132	VERTICAL
2	5140.40	46.97	54.00	-7.03	41.80	6.13	34.04	35.00	Average	197	132	VERTICAL
3	5235.80	125.18			119.83	6.18	34.17	35.00	Peak	197	132	VERTICAL
4	5237.00	114.84			109.49	6.18	34.17	35.00	Average	197	132	VERTICAL
5	5350.00	58.96	74.00	-15.04	53.34	6.26	34.36	35.00	Peak	197	132	VERTICAL
6	5376.80	46.76	54.00	-7.24	41.09	6.27	34.39	34.99	Average	197	132	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.20	67.02	68.20	-1.18	60.97	6.44	34.64	35.03	Peak	200	158	VERTICAL
2	5725.00	75.48	78.20	-2.72	69.42	6.45	34.64	35.03	Peak	200	158	VERTICAL
3	5736.80	105.43			99.37	6.45	34.65	35.04	Average	200	158	VERTICAL
4	5737.20	114.93			108.87	6.45	34.65	35.04	Peak	200	158	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	63.33	68.20	-4.87	57.28	6.44	34.64	35.03	Peak	200	216	VERTICAL
2	5724.20	71.10	78.20	-7.10	65.04	6.45	34.64	35.03	Peak	200	216	VERTICAL
3	5783.80	113.05			106.98	6.46	34.66	35.05	Average	200	216	VERTICAL
4	5784.20	123.41			117.34	6.46	34.66	35.05	Peak	200	216	VERTICAL
5	5850.00	58.44	78.20	-19.76	52.34	6.49	34.67	35.06	Peak	200	216	VERTICAL
6	5863.00	61.15	68.20	-7.05	55.05	6.50	34.67	35.07	Peak	200	216	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5823.80	120.76			114.67	6.48	34.67	35.06	Peak	200	216	VERTICAL
2	5824.60	110.24			104.15	6.48	34.67	35.06	Average	200	216	VERTICAL
3	5852.40	71.39	78.20	-6.81	65.29	6.49	34.67	35.06	Peak	200	216	VERTICAL
4	5864.20	66.71	68.20	-1.49	60.61	6.50	34.67	35.07	Peak	200	216	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	64.24	74.00	-9.76	59.07	6.13	34.04	35.00	Peak	190	137	VERTICAL
2	5149.20	52.73	54.00	-1.27	47.56	6.13	34.04	35.00	Average	190	137	VERTICAL
3	5186.40	114.24			109.00	6.15	34.09	35.00	Peak	190	137	VERTICAL
4	5186.80	104.46			99.22	6.15	34.09	35.00	Average	190	137	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.40	65.97	74.00	-8.03	60.80	6.13	34.04	35.00	Peak	200	134	VERTICAL
2	5146.00	52.69	54.00	-1.31	47.52	6.13	34.04	35.00	Average	200	134	VERTICAL
3	5226.40	110.78			105.43	6.18	34.17	35.00	Average	200	134	VERTICAL
4	5226.40	119.64			114.29	6.18	34.17	35.00	Peak	200	134	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.20	66.62	68.20	-1.58	60.57	6.44	34.64	35.03	Peak	200	215	VERTICAL
2	5725.00	70.24	78.20	-7.96	64.18	6.45	34.64	35.03	Peak	200	215	VERTICAL
3	5753.80	105.21			99.14	6.46	34.65	35.04	Average	200	215	VERTICAL
4	5753.80	114.43			108.36	6.46	34.65	35.04	Peak	200	215	VERTICAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	67.16	68.20	-1.04	61.11	6.44	34.64	35.03	Peak	200	215	VERTICAL
2	5724.20	68.09	78.20	-10.11	62.03	6.45	34.64	35.03	Peak	200	215	VERTICAL
3	5793.80	107.00			100.92	6.47	34.66	35.05	Average	200	215	VERTICAL
4	5793.80	116.81			110.73	6.47	34.66	35.05	Peak	200	215	VERTICAL
5	5854.40	67.66	78.20	-10.54	61.55	6.50	34.67	35.06	Peak	200	215	VERTICAL
6	5862.20	62.42	68.20	-5.78	56.32	6.50	34.67	35.07	Peak	200	215	VERTICAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.00	52.87	54.00	-1.13	47.70	6.13	34.04	35.00	Average	200	134	VERTICAL
2	5145.00	63.48	74.00	-10.52	58.31	6.13	34.04	35.00	Peak	200	134	VERTICAL
3	5226.00	98.31			92.96	6.18	34.17	35.00	Average	200	134	VERTICAL
4	5226.00	108.29			102.94	6.18	34.17	35.00	Peak	200	134	VERTICAL
5	5350.00	46.20	54.00	-7.80	40.58	6.26	34.36	35.00	Average	200	134	VERTICAL
6	5400.00	58.92	74.00	-15.08	53.18	6.29	34.44	34.99	Peak	200	134	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.64	68.20	-1.56	60.59	6.44	34.64	35.03	Peak	205	215	VERTICAL
2	5720.60	65.89	78.20	-12.31	59.83	6.45	34.64	35.03	Peak	205	215	VERTICAL
3	5753.40	96.43			90.36	6.46	34.65	35.04	Average	205	215	VERTICAL
4	5755.00	107.63			101.56	6.46	34.65	35.04	Peak	205	215	VERTICAL
5	5854.20	65.43	78.20	-12.77	59.32	6.50	34.67	35.06	Peak	205	215	VERTICAL
6	5863.00	61.70	68.20	-6.50	55.60	6.50	34.67	35.07	Peak	205	215	VERTICAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.58	54.00	-1.42	47.41	6.13	34.04	35.00	Average	156	0	HORIZONTAL
2	5150.00	64.46	74.00	-9.54	59.29	6.13	34.04	35.00	Peak	156	0	HORIZONTAL
3	5181.88	118.52			113.28	6.15	34.09	35.00	Peak	156	0	HORIZONTAL
4	5182.60	107.61			102.37	6.15	34.09	35.00	Average	156	0	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.75	54.00	-1.25	47.58	6.13	34.04	35.00	Average	110	4	VERTICAL
2	5150.00	64.43	74.00	-9.57	59.26	6.13	34.04	35.00	Peak	110	4	VERTICAL
3	5194.79	110.77			105.49	6.16	34.12	35.00	Average	110	4	VERTICAL
4	5194.79	120.45			115.17	6.16	34.12	35.00	Peak	110	4	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.19	47.34	54.00	-6.66	42.17	6.13	34.04	35.00	Average	125	360	VERTICAL
2	5150.00	57.98	74.00	-16.02	52.81	6.13	34.04	35.00	Peak	125	360	VERTICAL
3	5236.96	108.73			103.38	6.18	34.17	35.00	Average	125	360	VERTICAL
4	5236.96	118.38			113.03	6.18	34.17	35.00	Peak	125	360	VERTICAL
5	5350.00	46.77	54.00	-7.23	41.15	6.26	34.36	35.00	Average	125	360	VERTICAL
6	5350.00	57.93	74.00	-16.07	52.31	6.26	34.36	35.00	Peak	125	360	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.85	64.25	68.20	-3.95	58.20	6.44	34.64	35.03	Peak	129	355	VERTICAL
2	5724.74	76.60	78.20	-1.60	70.54	6.45	34.64	35.03	Peak	129	355	VERTICAL
3	5748.47	108.01			101.95	6.45	34.65	35.04	Average	129	355	VERTICAL
4	5748.47	118.62			112.56	6.45	34.65	35.04	Peak	129	355	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.42	66.80	68.20	-1.40	60.75	6.44	34.64	35.03	Peak	162	2	HORIZONTAL
2	5724.28	72.93	78.20	-5.27	66.87	6.45	34.64	35.03	Peak	162	2	HORIZONTAL
3	5781.38	112.10			106.03	6.46	34.66	35.05	Average	162	2	HORIZONTAL
4	5782.11	122.93			116.86	6.46	34.66	35.05	Peak	162	2	HORIZONTAL
5	5850.00	68.41	78.20	-9.79	62.31	6.49	34.67	35.06	Peak	162	2	HORIZONTAL
6	5860.98	64.09	68.20	-4.11	57.99	6.50	34.67	35.07	Peak	162	2	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.21	105.84			99.75	6.48	34.67	35.06	Average	129	353	VERTICAL
2	5830.50	116.52			110.43	6.48	34.67	35.06	Peak	129	353	VERTICAL
3	5850.00	77.15	78.20	-1.05	71.05	6.49	34.67	35.06	Peak	129	353	VERTICAL
4	5894.75	60.70	68.20	-7.50	54.58	6.51	34.68	35.07	Peak	129	353	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.74	65.08	74.00	-8.92	59.91	6.13	34.04	35.00	Peak	120	5	VERTICAL
2	5150.00	52.61	54.00	-1.39	47.44	6.13	34.04	35.00	Average	120	5	VERTICAL
3	5173.92	118.40			113.16	6.15	34.09	35.00	Peak	120	5	VERTICAL
4	5174.50	108.44			103.20	6.15	34.09	35.00	Average	120	5	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.35	63.23	74.00	-10.77	58.06	6.13	34.04	35.00	Peak	109	5	VERTICAL
2	5150.00	50.30	54.00	-3.70	45.13	6.13	34.04	35.00	Average	109	5	VERTICAL
3	5193.92	120.51			115.23	6.16	34.12	35.00	Peak	109	5	VERTICAL
4	5194.79	110.05			104.77	6.16	34.12	35.00	Average	109	5	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5120.17	58.79	74.00	-15.21	53.69	6.11	33.99	35.00	Peak	105	0	VERTICAL
2	5139.71	47.20	54.00	-6.80	42.03	6.13	34.04	35.00	Average	105	0	VERTICAL
3	5235.66	108.11			102.76	6.18	34.17	35.00	Average	105	0	VERTICAL
4	5236.09	118.85			113.50	6.18	34.17	35.00	Peak	105	0	VERTICAL
5	5353.47	46.94	54.00	-7.06	41.32	6.26	34.36	35.00	Average	105	0	VERTICAL
6	5369.54	59.79	74.00	-14.21	54.13	6.27	34.39	35.00	Peak	105	0	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.61	60.38	68.20	-7.82	54.33	6.44	34.64	35.03	Peak	186	5	HORIZONTAL
2	5725.00	77.02	78.20	-1.18	70.96	6.45	34.64	35.03	Peak	186	5	HORIZONTAL
3	5742.11	106.11			100.05	6.45	34.65	35.04	Average	186	5	HORIZONTAL
4	5743.26	115.13			109.07	6.45	34.65	35.04	Peak	186	5	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.92	58.37	68.20	-9.83	52.32	6.44	34.64	35.03	Peak	172	3	HORIZONTAL
2	5724.22	63.57	78.20	-14.63	57.51	6.45	34.64	35.03	Peak	172	3	HORIZONTAL
3	5781.38	110.28			104.21	6.46	34.66	35.05	Average	172	3	HORIZONTAL
4	5781.38	119.88			113.81	6.46	34.66	35.05	Peak	172	3	HORIZONTAL
5	5850.00	60.58	78.20	-17.62	54.48	6.49	34.67	35.06	Peak	172	3	HORIZONTAL
6	5864.34	60.35	68.20	-7.85	54.25	6.50	34.67	35.07	Peak	172	3	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.21	105.54			99.45	6.48	34.67	35.06	Average	163	358	VERTICAL
2	5830.21	115.29			109.20	6.48	34.67	35.06	Peak	163	358	VERTICAL
3	5850.18	77.09	78.20	-1.11	70.99	6.49	34.67	35.06	Peak	163	358	VERTICAL
4	5860.00	58.86	68.20	-9.34	52.76	6.50	34.67	35.07	Peak	163	358	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.72	54.00	-1.28	47.55	6.13	34.04	35.00	Average	156	8	VERTICAL
2	5150.00	63.85	74.00	-10.15	58.68	6.13	34.04	35.00	Peak	156	8	VERTICAL
3	5184.21	100.43			95.19	6.15	34.09	35.00	Average	156	8	VERTICAL
4	5185.08	108.19			102.95	6.15	34.09	35.00	Peak	156	8	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.91	52.23	54.00	-1.77	47.06	6.13	34.04	35.00	Average	141	4	VERTICAL
2	5144.91	62.97	74.00	-11.03	57.80	6.13	34.04	35.00	Peak	141	4	VERTICAL
3	5225.22	112.38			107.03	6.18	34.17	35.00	Peak	141	4	VERTICAL
4	5226.09	104.93			99.58	6.18	34.17	35.00	Average	141	4	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5709.85	66.76	68.20	-1.44	60.71	6.44	34.64	35.03	Peak	191	355	HORIZONTAL
2	5717.08	67.78	78.20	-10.42	61.73	6.44	34.64	35.03	Peak	191	355	HORIZONTAL
3	5749.21	100.51			94.45	6.45	34.65	35.04	Average	191	355	HORIZONTAL
4	5749.79	110.55			104.49	6.45	34.65	35.04	Peak	191	355	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5622.79	60.19	68.20	-8.01	54.17	6.41	34.62	35.01	Peak	189	2	VERTICAL
2	5721.92	62.28	78.20	-15.92	56.22	6.45	34.64	35.03	Peak	189	2	VERTICAL
3	5799.34	103.15			97.07	6.47	34.66	35.05	Average	189	2	VERTICAL
4	5799.34	112.91			106.83	6.47	34.66	35.05	Peak	189	2	VERTICAL
5	5859.41	67.41	78.20	-10.79	61.31	6.50	34.67	35.07	Peak	189	2	VERTICAL
6	5860.00	66.79	68.20	-1.41	60.69	6.50	34.67	35.07	Peak	189	2	VERTICAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 24, 2015 ~ Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.93	52.75	54.00	-1.25	47.58	6.13	34.04	35.00	Average	189	9	VERTICAL
2	5146.38	66.04	74.00	-7.96	60.87	6.13	34.04	35.00	Peak	189	9	VERTICAL
3	5186.12	94.16			88.92	6.15	34.09	35.00	Average	189	9	VERTICAL
4	5186.12	103.85			98.61	6.15	34.09	35.00	Peak	189	9	VERTICAL
5	5352.89	46.91	54.00	-7.09	41.29	6.26	34.36	35.00	Average	189	9	VERTICAL
6	5361.58	59.97	74.00	-14.03	54.31	6.27	34.39	35.00	Peak	189	9	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.71	67.07	68.20	-1.13	61.02	6.44	34.64	35.03	Peak	197	358	HORIZONTAL
2	5716.39	67.76	78.20	-10.44	61.71	6.44	34.64	35.03	Peak	197	358	HORIZONTAL
3	5768.49	104.99			98.93	6.46	34.65	35.05	Peak	197	358	HORIZONTAL
4	5788.02	94.98			88.90	6.47	34.66	35.05	Average	197	358	HORIZONTAL
5	5850.00	67.78	78.20	-10.42	61.68	6.49	34.67	35.06	Peak	197	358	HORIZONTAL
6	5869.41	65.79	68.20	-2.41	59.69	6.50	34.67	35.07	Peak	197	358	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.67	66.82	74.00	-7.18	61.65	6.13	34.04	35.00	Peak	180	359	VERTICAL
2	5150.00	52.60	54.00	-1.40	47.43	6.13	34.04	35.00	Average	180	359	VERTICAL
3	5181.28	109.03			103.79	6.15	34.09	35.00	Average	180	359	VERTICAL
4	5181.92	119.60			114.36	6.15	34.09	35.00	Peak	180	359	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.44	66.66	74.00	-7.34	61.49	6.13	34.04	35.00	Peak	182	357	VERTICAL
2	5148.08	50.87	54.00	-3.13	45.70	6.13	34.04	35.00	Average	182	357	VERTICAL
3	5201.92	109.94			104.66	6.16	34.12	35.00	Average	182	357	VERTICAL
4	5201.92	120.14			114.86	6.16	34.12	35.00	Peak	182	357	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5141.83	46.10	54.00	-7.90	40.93	6.13	34.04	35.00	Average	178	358	VERTICAL
2	5142.31	57.45	74.00	-16.55	52.28	6.13	34.04	35.00	Peak	178	358	VERTICAL
3	5241.92	108.49			103.09	6.20	34.20	35.00	Average	178	358	VERTICAL
4	5242.89	118.60			113.20	6.20	34.20	35.00	Peak	178	358	VERTICAL
5	5350.00	45.59	54.00	-8.41	39.97	6.26	34.36	35.00	Average	178	358	VERTICAL
6	5350.96	56.10	74.00	-17.90	50.48	6.26	34.36	35.00	Peak	178	358	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5706.99	66.96	68.20	-1.24	60.91	6.44	34.64	35.03	Peak	212	347	VERTICAL
2	5725.00	75.11	78.20	-3.09	69.05	6.45	34.64	35.03	Peak	212	347	VERTICAL
3	5748.21	108.54			102.48	6.45	34.65	35.04	Average	212	347	VERTICAL
4	5748.21	118.91			112.85	6.45	34.65	35.04	Peak	212	347	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.36	65.86	68.20	-2.34	59.81	6.44	34.64	35.03	Peak	224	345	HORIZONTAL
2	5720.51	71.92	78.20	-6.28	65.86	6.45	34.64	35.03	Peak	224	345	HORIZONTAL
3	5779.87	112.69			106.62	6.46	34.66	35.05	Average	224	345	HORIZONTAL
4	5779.87	123.57			117.50	6.46	34.66	35.05	Peak	224	345	HORIZONTAL
5	5850.00	66.33	78.20	-11.87	60.23	6.49	34.67	35.06	Peak	224	345	HORIZONTAL
6	5860.00	66.34	68.20	-1.86	60.24	6.50	34.67	35.07	Peak	224	345	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.91	120.93			114.85	6.48	34.66	35.06	Peak	210	345	HORIZONTAL
2	5819.55	109.96			103.87	6.48	34.67	35.06	Average	210	345	HORIZONTAL
3	5852.56	70.05	78.20	-8.15	63.95	6.49	34.67	35.06	Peak	210	345	HORIZONTAL
4	5860.00	67.18	68.20	-1.02	61.08	6.50	34.67	35.07	Peak	210	345	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.96	52.95	54.00	-1.05	47.78	6.13	34.04	35.00	Average	217	358	VERTICAL
2	5146.96	68.38	74.00	-5.62	63.21	6.13	34.04	35.00	Peak	217	358	VERTICAL
3	5174.39	117.23			111.99	6.15	34.09	35.00	Peak	217	358	VERTICAL
4	5174.55	106.44			101.20	6.15	34.09	35.00	Average	217	358	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.83	64.06	74.00	-9.94	58.89	6.13	34.04	35.00	Peak	174	357	VERTICAL
2	5149.04	50.45	54.00	-3.55	45.28	6.13	34.04	35.00	Average	174	357	VERTICAL
3	5201.60	120.20			114.92	6.16	34.12	35.00	Peak	174	357	VERTICAL
4	5202.24	109.91			104.63	6.16	34.12	35.00	Average	174	357	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	46.07	54.00	-7.93	40.90	6.13	34.04	35.00	Average	178	352	HORIZONTAL
2	5150.00	56.06	74.00	-17.94	50.89	6.13	34.04	35.00	Peak	178	352	HORIZONTAL
3	5233.27	108.56			103.21	6.18	34.17	35.00	Average	178	352	HORIZONTAL
4	5233.75	118.62			113.27	6.18	34.17	35.00	Peak	178	352	HORIZONTAL
5	5350.00	45.53	54.00	-8.47	39.91	6.26	34.36	35.00	Average	178	352	HORIZONTAL
6	5350.00	55.33	74.00	-18.67	49.71	6.26	34.36	35.00	Peak	178	352	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.23	59.70	68.20	-8.50	53.65	6.44	34.64	35.03	Peak	212	334	HORIZONTAL
2	5721.28	76.81	78.20	-1.39	70.75	6.45	34.64	35.03	Peak	212	334	HORIZONTAL
3	5740.51	105.10			99.04	6.45	34.65	35.04	Average	212	334	HORIZONTAL
4	5741.15	115.39			109.33	6.45	34.65	35.04	Peak	212	334	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.49	62.16	68.20	-6.04	56.11	6.44	34.64	35.03	Peak	229	336	HORIZONTAL
2	5721.70	65.30	78.20	-12.90	59.24	6.45	34.64	35.03	Peak	229	336	HORIZONTAL
3	5780.99	110.02			103.95	6.46	34.66	35.05	Average	229	336	HORIZONTAL
4	5780.99	120.65			114.58	6.46	34.66	35.05	Peak	229	336	HORIZONTAL
5	5859.52	60.00	78.20	-18.20	53.90	6.50	34.67	35.07	Peak	229	336	HORIZONTAL
6	5861.12	59.51	68.20	-8.69	53.41	6.50	34.67	35.07	Peak	229	336	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.27	106.50			100.42	6.48	34.66	35.06	Average	211	349	HORIZONTAL
2	5818.91	117.27			111.19	6.48	34.66	35.06	Peak	211	349	HORIZONTAL
3	5858.01	68.84	78.20	-9.36	62.74	6.50	34.67	35.07	Peak	211	349	HORIZONTAL
4	5860.00	67.04	68.20	-1.16	60.94	6.50	34.67	35.07	Peak	211	349	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.80	65.61	74.00	-8.39	60.44	6.13	34.04	35.00	Peak	183	348	HORIZONTAL
2	5149.68	52.27	54.00	-1.73	47.10	6.13	34.04	35.00	Average	183	348	HORIZONTAL
3	5182.63	111.46			106.22	6.15	34.09	35.00	Peak	183	348	HORIZONTAL
4	5182.95	101.24			96.00	6.15	34.09	35.00	Average	183	348	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.96	54.00	-1.04	47.79	6.13	34.04	35.00	Average	179	355	VERTICAL
2	5150.00	65.32	74.00	-8.68	60.15	6.13	34.04	35.00	Peak	179	355	VERTICAL
3	5231.92	115.04			109.69	6.18	34.17	35.00	Peak	179	355	VERTICAL
4	5232.24	105.26			99.91	6.18	34.17	35.00	Average	179	355	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.51	66.79	68.20	-1.41	60.74	6.44	34.64	35.03	Peak	215	341	HORIZONTAL
2	5717.95	72.40	78.20	-5.80	66.34	6.45	34.64	35.03	Peak	215	341	HORIZONTAL
3	5749.23	104.16			98.10	6.45	34.65	35.04	Average	215	341	HORIZONTAL
4	5749.87	114.23			108.17	6.45	34.65	35.04	Peak	215	341	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5789.23	107.23			101.15	6.47	34.66	35.05	Average	222	344	HORIZONTAL
2	5789.55	117.03			110.95	6.47	34.66	35.05	Peak	222	344	HORIZONTAL
3	5850.00	72.20	78.20	-6.00	66.10	6.49	34.67	35.06	Peak	222	344	HORIZONTAL
4	5868.97	67.16	68.20	-1.04	61.06	6.50	34.67	35.07	Peak	222	344	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.19	64.80	74.00	-9.20	59.63	6.13	34.04	35.00	Peak	186	353	VERTICAL
2	5145.67	52.86	54.00	-1.14	47.69	6.13	34.04	35.00	Average	186	353	VERTICAL
3	5191.73	104.05			98.77	6.16	34.12	35.00	Peak	186	353	VERTICAL
4	5212.89	93.95			88.63	6.17	34.15	35.00	Average	186	353	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.19	66.89	68.20	-1.31	60.84	6.44	34.64	35.03	Peak	218	345	HORIZONTAL
2	5724.52	66.53	78.20	-11.67	60.47	6.45	34.64	35.03	Peak	218	345	HORIZONTAL
3	5789.42	96.55			90.47	6.47	34.66	35.05	Average	218	345	HORIZONTAL
4	5789.42	106.58			100.50	6.47	34.66	35.05	Peak	218	345	HORIZONTAL
5	5850.48	64.88	78.20	-13.32	58.78	6.49	34.67	35.06	Peak	218	345	HORIZONTAL
6	5868.17	66.52	68.20	-1.68	60.42	6.50	34.67	35.07	Peak	218	345	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5145.71	65.69	74.00	-8.31	61.05	5.84	33.27	34.47	186	198	Peak	VERTICAL
2	5149.55	52.58	54.00	-1.42	47.94	5.84	33.27	34.47	186	198	Average	VERTICAL
3	5176.80	113.66			108.98	5.82	33.33	34.47	186	198	Average	VERTICAL
4	5177.12	122.45			117.77	5.82	33.33	34.47	186	198	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.80	64.44	74.00	-9.56	59.80	5.84	33.27	34.47	204	191	Peak	VERTICAL
2	5149.68	52.57	54.00	-1.43	47.93	5.84	33.27	34.47	204	191	Average	VERTICAL
3	5196.80	115.51			110.81	5.81	33.36	34.47	204	191	Average	VERTICAL
4	5197.76	122.61			117.91	5.81	33.36	34.47	204	191	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5141.92	47.67	54.00	-6.33	43.03	5.84	33.27	34.47	204	179	Average	VERTICAL
2	5148.65	58.50	74.00	-15.50	53.86	5.84	33.27	34.47	204	179	Peak	VERTICAL
3	5236.64	125.99			121.25	5.79	33.42	34.47	204	179	Peak	VERTICAL
4	5236.64	116.34			111.60	5.79	33.42	34.47	204	179	Average	VERTICAL
5	5350.58	58.15	74.00	-15.85	53.26	5.73	33.63	34.47	204	179	Peak	VERTICAL
6	5376.06	45.62	54.00	-8.38	40.70	5.73	33.66	34.47	204	179	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5712.95	64.17	68.20	-4.03	58.38	5.78	34.52	34.51	178	194	Peak	HORIZONTAL
2	5725.00	76.74	78.20	-1.46	70.89	5.79	34.57	34.51	178	194	Peak	HORIZONTAL
3	5745.96	118.85			112.95	5.80	34.62	34.52	178	194	Peak	HORIZONTAL
4	5745.96	108.64			102.74	5.80	34.62	34.52	178	194	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5715.00	66.91	68.20	-1.29	61.12	5.78	34.52	34.51	182	187	Peak	VERTICAL
2	5722.18	70.93	78.20	-7.27	65.08	5.79	34.57	34.51	182	187	Peak	VERTICAL
3	5779.87	113.81			107.78	5.83	34.73	34.53	182	187	Average	VERTICAL
4	5781.80	124.31			118.28	5.83	34.73	34.53	182	187	Peak	VERTICAL
5	5850.00	62.49	78.20	-15.71	56.23	5.87	34.93	34.54	182	187	Peak	VERTICAL
6	5861.60	60.81	68.20	-7.39	54.48	5.88	34.99	34.54	182	187	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5825.64	119.76			113.55	5.86	34.88	34.53	178	197	Peak	HORIZONTAL
2	5826.28	110.04			103.83	5.86	34.88	34.53	178	197	Average	HORIZONTAL
3	5851.60	76.75	78.20	-1.45	70.49	5.87	34.93	34.54	178	197	Peak	HORIZONTAL
4	5860.00	63.12	68.20	-5.08	56.79	5.88	34.99	34.54	178	197	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.55	64.82	74.00	-9.18	60.18	5.84	33.27	34.47	186	196	Peak	VERTICAL
2	5149.55	52.57	54.00	-1.43	47.93	5.84	33.27	34.47	186	196	Average	VERTICAL
3	5176.15	123.44			118.76	5.82	33.33	34.47	186	196	Peak	VERTICAL
4	5177.12	113.63			108.95	5.82	33.33	34.47	186	196	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.04	66.26	74.00	-7.74	61.62	5.84	33.27	34.47	191	136	Peak	HORIZONTAL
2	5150.00	52.73	54.00	-1.27	48.09	5.84	33.27	34.47	191	136	Average	HORIZONTAL
3	5191.99	113.84			109.14	5.81	33.36	34.47	191	136	Average	HORIZONTAL
4	5193.27	123.58			118.88	5.81	33.36	34.47	191	136	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.73	58.13	74.00	-15.87	53.49	5.84	33.27	34.47	181	122	Peak	HORIZONTAL
2	5149.62	47.07	54.00	-6.93	42.43	5.84	33.27	34.47	181	122	Average	HORIZONTAL
3	5242.40	114.55			109.79	5.78	33.45	34.47	181	122	Average	HORIZONTAL
4	5242.89	123.72			118.96	5.78	33.45	34.47	181	122	Peak	HORIZONTAL
5	5354.42	58.09	74.00	-15.91	53.20	5.73	33.63	34.47	181	122	Peak	HORIZONTAL
6	5376.54	45.77	54.00	-8.23	40.85	5.73	33.66	34.47	181	122	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015 ~ Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.55	61.28	68.20	-6.92	55.49	5.78	34.52	34.51	182	185	Peak	VERTICAL
2	5722.56	76.75	78.20	-1.45	70.90	5.79	34.57	34.51	182	185	Peak	VERTICAL
3	5739.87	108.26			102.36	5.80	34.62	34.52	182	185	Average	VERTICAL
4	5740.51	118.88			112.98	5.80	34.62	34.52	182	185	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.17	66.85	68.20	-1.35	61.06	5.78	34.52	34.51	181	183	Peak	VERTICAL
2	5722.18	70.49	78.20	-7.71	64.64	5.79	34.57	34.51	181	183	Peak	VERTICAL
3	5779.87	113.63			107.60	5.83	34.73	34.53	181	183	Average	VERTICAL
4	5780.83	124.81			118.78	5.83	34.73	34.53	181	183	Peak	VERTICAL
5	5851.28	62.15	78.20	-16.05	55.89	5.87	34.93	34.54	181	183	Peak	VERTICAL
6	5861.28	63.33	68.20	-4.87	57.00	5.88	34.99	34.54	181	183	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5825.64	109.37			103.16	5.86	34.88	34.53	177	193	Average	HORIZONTAL
2	5826.60	120.50			114.29	5.86	34.88	34.53	177	193	Peak	HORIZONTAL
3	5850.00	76.92	78.20	-1.28	70.66	5.87	34.93	34.54	177	193	Peak	HORIZONTAL
4	5860.00	64.18	68.20	-4.02	57.85	5.88	34.99	34.54	177	193	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.01	65.32	74.00	-8.68	60.68	5.84	33.27	34.47	191	135	Peak	HORIZONTAL
2	5150.00	52.73	54.00	-1.27	48.09	5.84	33.27	34.47	191	135	Average	HORIZONTAL
3	5181.35	116.04			111.36	5.82	33.33	34.47	191	135	Peak	HORIZONTAL
4	5181.67	105.76			101.08	5.82	33.33	34.47	191	135	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.83	67.02	74.00	-6.98	62.38	5.84	33.27	34.47	204	175	Peak	VERTICAL
2	5147.31	52.62	54.00	-1.38	47.98	5.84	33.27	34.47	204	175	Average	VERTICAL
3	5226.15	120.42			115.68	5.79	33.42	34.47	204	175	Peak	VERTICAL
4	5227.12	110.92			106.18	5.79	33.42	34.47	204	175	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.62	67.10	68.20	-1.10	61.31	5.78	34.52	34.51	186	193	Peak	HORIZONTAL
2	5723.59	69.77	78.20	-8.43	63.92	5.79	34.57	34.51	186	193	Peak	HORIZONTAL
3	5745.39	104.28			98.38	5.80	34.62	34.52	186	193	Average	HORIZONTAL
4	5765.90	114.59			108.62	5.82	34.68	34.53	186	193	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5706.54	63.73	68.20	-4.47	57.94	5.78	34.52	34.51	186	194	Peak	HORIZONTAL
2	5724.81	66.39	78.20	-11.81	60.54	5.79	34.57	34.51	186	194	Peak	HORIZONTAL
3	5785.39	107.63			101.60	5.83	34.73	34.53	186	194	Average	HORIZONTAL
4	5805.58	118.31			112.16	5.85	34.83	34.53	186	194	Peak	HORIZONTAL
5	5850.00	68.59	78.20	-9.61	62.33	5.87	34.93	34.54	186	194	Peak	HORIZONTAL
6	5860.00	67.03	68.20	-1.17	60.70	5.88	34.99	34.54	186	194	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.30	52.67	54.00	-1.33	48.03	5.84	33.27	34.47	346	193	Average	VERTICAL
2	5149.10	64.03	74.00	-9.97	59.39	5.84	33.27	34.47	346	193	Peak	VERTICAL
3	5188.37	96.51			91.83	5.82	33.33	34.47	346	193	Average	VERTICAL
4	5228.43	106.77			102.03	5.79	33.42	34.47	346	193	Peak	VERTICAL
5	5351.83	45.01	54.00	-8.99	40.12	5.73	33.63	34.47	346	193	Average	VERTICAL
6	5407.12	56.87	74.00	-17.13	51.91	5.71	33.72	34.47	346	193	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5698.88	66.33	68.20	-1.87	60.60	5.77	34.47	34.51	352	194	Peak	VERTICAL
2	5723.40	72.70	78.20	-5.50	66.85	5.79	34.57	34.51	352	194	Peak	VERTICAL
3	5761.38	107.31			101.34	5.82	34.68	34.53	352	194	Peak	VERTICAL
4	5781.41	97.52			91.49	5.83	34.73	34.53	352	194	Average	VERTICAL
5	5850.00	63.56	78.20	-14.64	57.30	5.87	34.93	34.54	352	194	Peak	VERTICAL
6	5861.54	67.01	68.20	-1.19	60.68	5.88	34.99	34.54	352	194	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.33	66.62	74.00	-7.38	61.45	6.13	34.04	35.00	Peak	104	166	VERTICAL
2	5150.00	52.87	54.00	-1.13	47.70	6.13	34.04	35.00	Average	104	166	VERTICAL
3	5183.33	105.83			100.59	6.15	34.09	35.00	Average	104	166	VERTICAL
4	5183.33	117.52			112.28	6.15	34.09	35.00	Peak	104	166	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	64.91	74.00	-9.09	59.74	6.13	34.04	35.00	Peak	100	166	VERTICAL
2	5149.00	51.99	54.00	-2.01	46.82	6.13	34.04	35.00	Average	100	166	VERTICAL
3	5203.33	107.43			102.15	6.16	34.12	35.00	Average	100	166	VERTICAL
4	5203.33	118.91			113.63	6.16	34.12	35.00	Peak	100	166	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.20	58.50	74.00	-15.50	53.33	6.13	34.04	35.00	Peak	278	173	HORIZONTAL
2	5150.00	45.53	54.00	-8.47	40.36	6.13	34.04	35.00	Average	278	173	HORIZONTAL
3	5234.50	107.29			101.94	6.18	34.17	35.00	Average	278	173	HORIZONTAL
4	5235.00	118.60			113.25	6.18	34.17	35.00	Peak	278	173	HORIZONTAL
5	5350.00	45.33	54.00	-8.67	39.71	6.26	34.36	35.00	Average	278	173	HORIZONTAL
6	5353.00	58.37	74.00	-15.63	52.75	6.26	34.36	35.00	Peak	278	173	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5714.67	66.90	68.20	-1.30	60.85	6.44	34.64	35.03	Peak	253	168	HORIZONTAL
2	5724.67	75.71	78.20	-2.49	69.65	6.45	34.64	35.03	Peak	253	168	HORIZONTAL
3	5738.67	115.87			109.81	6.45	34.65	35.04	Peak	253	168	HORIZONTAL
4	5739.33	102.76			96.70	6.45	34.65	35.04	Average	253	168	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5708.00	66.67	68.20	-1.53	60.62	6.44	34.64	35.03	Peak	250	170	HORIZONTAL
2	5722.00	71.51	78.20	-6.69	65.45	6.45	34.64	35.03	Peak	250	170	HORIZONTAL
3	5779.50	106.89			100.82	6.46	34.66	35.05	Average	250	170	HORIZONTAL
4	5780.00	119.19			113.12	6.46	34.66	35.05	Peak	250	170	HORIZONTAL
5	5856.50	69.27	78.20	-8.93	63.16	6.50	34.67	35.06	Peak	250	170	HORIZONTAL
6	5861.00	65.01	68.20	-3.19	58.91	6.50	34.67	35.07	Peak	250	170	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5821.67	104.02			97.93	6.48	34.67	35.06	Average	223	170	HORIZONTAL
2	5821.67	115.91			109.82	6.48	34.67	35.06	Peak	223	170	HORIZONTAL
3	5850.00	68.07	78.20	-10.13	61.97	6.49	34.67	35.06	Peak	223	170	HORIZONTAL
4	5860.00	66.79	68.20	-1.41	60.69	6.50	34.67	35.07	Peak	223	170	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.33	67.33	74.00	-6.67	62.16	6.13	34.04	35.00	Peak	255	173	HORIZONTAL
2	5150.00	52.90	54.00	-1.10	47.73	6.13	34.04	35.00	Average	255	173	HORIZONTAL
3	5173.67	117.94			112.70	6.15	34.09	35.00	Peak	255	173	HORIZONTAL
4	5174.67	106.41			101.17	6.15	34.09	35.00	Average	255	173	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.67	52.87	54.00	-1.13	47.70	6.13	34.04	35.00	Average	251	173	HORIZONTAL
2	5150.00	66.70	74.00	-7.30	61.53	6.13	34.04	35.00	Peak	251	173	HORIZONTAL
3	5194.67	108.92			103.64	6.16	34.12	35.00	Average	251	173	HORIZONTAL
4	5195.67	119.98			114.70	6.16	34.12	35.00	Peak	251	173	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.00	46.57	54.00	-7.43	41.40	6.13	34.04	35.00	Average	281	174	HORIZONTAL
2	5149.00	58.68	74.00	-15.32	53.51	6.13	34.04	35.00	Peak	281	174	HORIZONTAL
3	5234.00	120.51			115.16	6.18	34.17	35.00	Peak	281	174	HORIZONTAL
4	5234.50	109.88			104.53	6.18	34.17	35.00	Average	281	174	HORIZONTAL
5	5350.00	45.60	54.00	-8.40	39.98	6.26	34.36	35.00	Average	281	174	HORIZONTAL
6	5350.60	58.68	74.00	-15.32	53.06	6.26	34.36	35.00	Peak	281	174	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.33	65.67	68.20	-2.53	59.62	6.44	34.64	35.03	Peak	226	169	HORIZONTAL
2	5724.67	77.05	78.20	-1.15	70.99	6.45	34.64	35.03	Peak	226	169	HORIZONTAL
3	5741.33	115.52			109.46	6.45	34.65	35.04	Peak	226	169	HORIZONTAL
4	5741.83	104.67			98.61	6.45	34.65	35.04	Average	226	169	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5703.00	64.23	68.20	-3.97	58.18	6.44	34.64	35.03	Peak	217	169	HORIZONTAL
2	5723.67	67.69	78.20	-10.51	61.63	6.45	34.64	35.03	Peak	217	169	HORIZONTAL
3	5781.00	118.45			112.38	6.46	34.66	35.05	Peak	217	169	HORIZONTAL
4	5782.33	107.81			101.74	6.46	34.66	35.05	Average	217	169	HORIZONTAL
5	5851.33	60.47	78.20	-17.73	54.37	6.49	34.67	35.06	Peak	217	169	HORIZONTAL
6	5867.00	59.49	68.20	-8.71	53.39	6.50	34.67	35.07	Peak	217	169	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5818.83	115.66			109.58	6.48	34.66	35.06	Peak	238	170	HORIZONTAL
2	5819.67	104.84			98.75	6.48	34.67	35.06	Average	238	170	HORIZONTAL
3	5856.40	68.86	78.20	-9.34	62.75	6.50	34.67	35.06	Peak	238	170	HORIZONTAL
4	5860.00	67.20	68.20	-1.00	61.10	6.50	34.67	35.07	Peak	238	170	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.50	52.92	54.00	-1.08	47.75	6.13	34.04	35.00	Average	100	166	VERTICAL
2	5147.50	64.58	74.00	-9.42	59.41	6.13	34.04	35.00	Peak	100	166	VERTICAL
3	5193.33	98.45			93.17	6.16	34.12	35.00	Average	100	166	VERTICAL
4	5193.33	108.17			102.89	6.16	34.12	35.00	Peak	100	166	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5143.33	64.55	74.00	-9.45	59.38	6.13	34.04	35.00	Peak	250	173	HORIZONTAL
2	5144.17	51.65	54.00	-2.35	46.48	6.13	34.04	35.00	Average	250	173	HORIZONTAL
3	5225.83	105.43			100.08	6.18	34.17	35.00	Average	250	173	HORIZONTAL
4	5226.67	115.03			109.68	6.18	34.17	35.00	Peak	250	173	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5709.50	67.01	68.20	-1.19	60.96	6.44	34.64	35.03	Peak	250	169	HORIZONTAL
2	5719.00	68.81	78.20	-9.39	62.75	6.45	34.64	35.03	Peak	250	169	HORIZONTAL
3	5749.50	101.22			95.16	6.45	34.65	35.04	Average	250	169	HORIZONTAL
4	5750.00	111.13			105.07	6.45	34.65	35.04	Peak	250	169	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.50	60.39	68.20	-7.81	54.34	6.44	34.64	35.03	Peak	175	181	VERTICAL
2	5725.00	62.10	78.20	-16.10	56.04	6.45	34.64	35.03	Peak	175	181	VERTICAL
3	5787.00	101.17			95.09	6.47	34.66	35.05	Average	175	181	VERTICAL
4	5787.50	111.35			105.27	6.47	34.66	35.05	Peak	175	181	VERTICAL
5	5855.50	62.53	78.20	-15.67	56.42	6.50	34.67	35.06	Peak	175	181	VERTICAL
6	5860.50	62.35	68.20	-5.85	56.25	6.50	34.67	35.07	Peak	175	181	VERTICAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.83	63.30	74.00	-10.70	58.13	6.13	34.04	35.00	Peak	250	173	HORIZONTAL
2	5145.83	52.76	54.00	-1.24	47.59	6.13	34.04	35.00	Average	250	173	HORIZONTAL
3	5225.00	104.10			98.75	6.18	34.17	35.00	Peak	250	173	HORIZONTAL
4	5225.83	93.28			87.93	6.18	34.17	35.00	Average	250	173	HORIZONTAL
5	5350.50	45.70	54.00	-8.30	40.08	6.26	34.36	35.00	Average	250	173	HORIZONTAL
6	5350.50	57.70	74.00	-16.30	52.08	6.26	34.36	35.00	Peak	250	173	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.00	66.93	68.20	-1.27	60.88	6.44	34.64	35.03	Peak	250	167	HORIZONTAL
2	5725.00	62.33	78.20	-15.87	56.27	6.45	34.64	35.03	Peak	250	167	HORIZONTAL
3	5769.17	92.78			86.71	6.46	34.66	35.05	Average	250	167	HORIZONTAL
4	5790.00	103.07			96.99	6.47	34.66	35.05	Peak	250	167	HORIZONTAL
5	5850.00	60.97	78.20	-17.23	54.87	6.49	34.67	35.06	Peak	250	167	HORIZONTAL
6	5867.50	61.12	68.20	-7.08	55.02	6.50	34.67	35.07	Peak	250	167	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 21, 2015 ~ Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.60	62.10	74.00	-11.90	57.46	5.84	33.27	34.47	350	200	Peak	HORIZONTAL
2	5150.00	50.26	54.00	-3.74	45.62	5.84	33.27	34.47	350	200	Average	HORIZONTAL
3	5183.20	119.83			115.15	5.82	33.33	34.47	350	200	Peak	HORIZONTAL
4	5183.60	109.18			104.50	5.82	33.33	34.47	350	200	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5146.00	64.62	74.00	-9.38	59.98	5.84	33.27	34.47	342	198	Peak	VERTICAL
2	5150.00	52.32	54.00	-1.68	47.68	5.84	33.27	34.47	342	198	Average	VERTICAL
3	5194.80	123.46			118.76	5.81	33.36	34.47	342	198	Peak	VERTICAL
4	5194.80	113.58			108.88	5.81	33.36	34.47	342	198	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5136.20	49.66	54.00	-4.34	45.05	5.84	33.24	34.47	355	181	Average	VERTICAL
2	5144.00	62.76	74.00	-11.24	58.12	5.84	33.27	34.47	355	181	Peak	VERTICAL
3	5232.80	115.14			110.40	5.79	33.42	34.47	355	181	Average	VERTICAL
4	5234.00	125.64			120.90	5.79	33.42	34.47	355	181	Peak	VERTICAL
5	5355.20	61.38	74.00	-12.62	56.49	5.73	33.63	34.47	355	181	Peak	VERTICAL
6	5376.20	48.93	54.00	-5.07	44.01	5.73	33.66	34.47	355	181	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5710.00	64.67	68.20	-3.53	58.88	5.78	34.52	34.51	355	174	Peak	HORIZONTAL
2	5725.00	77.12	78.20	-1.08	71.27	5.79	34.57	34.51	355	174	Peak	HORIZONTAL
3	5746.00	120.41			114.51	5.80	34.62	34.52	355	174	Peak	HORIZONTAL
4	5748.00	110.29			104.39	5.80	34.62	34.52	355	174	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5713.40	67.11	68.20	-1.09	61.32	5.78	34.52	34.51	355	185	Peak	HORIZONTAL
2	5723.80	71.60	78.20	-6.60	65.75	5.79	34.57	34.51	355	185	Peak	HORIZONTAL
3	5787.00	124.90			118.81	5.84	34.78	34.53	355	185	Peak	HORIZONTAL
4	5787.40	114.38			108.29	5.84	34.78	34.53	355	185	Average	HORIZONTAL
5	5855.00	65.22	78.20	-12.98	58.89	5.88	34.99	34.54	355	185	Peak	HORIZONTAL
6	5862.20	65.01	68.20	-3.19	58.68	5.88	34.99	34.54	355	185	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5818.20	110.81			104.66	5.85	34.83	34.53	351	184	Average	VERTICAL
2	5818.60	121.81			115.66	5.85	34.83	34.53	351	184	Peak	VERTICAL
3	5851.80	74.61	78.20	-3.59	68.35	5.87	34.93	34.54	351	184	Peak	VERTICAL
4	5860.00	66.84	68.20	-1.36	60.51	5.88	34.99	34.54	351	184	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	65.02	74.00	-8.98	60.38	5.84	33.27	34.47	354	192	Peak	HORIZONTAL
2	5150.00	52.35	54.00	-1.65	47.71	5.84	33.27	34.47	354	192	Average	HORIZONTAL
3	5182.80	120.31			115.63	5.82	33.33	34.47	354	192	Peak	HORIZONTAL
4	5183.20	109.49			104.81	5.82	33.33	34.47	354	192	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.20	66.43	74.00	-7.57	61.79	5.84	33.27	34.47	347	179	Peak	VERTICAL
2	5150.00	52.71	54.00	-1.29	48.07	5.84	33.27	34.47	347	179	Average	VERTICAL
3	5194.00	123.79			119.09	5.81	33.36	34.47	347	179	Peak	VERTICAL
4	5194.40	113.80			109.10	5.81	33.36	34.47	347	179	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5141.60	62.83	74.00	-11.17	58.19	5.84	33.27	34.47	357	178	Peak	HORIZONTAL
2	5147.00	50.05	54.00	-3.95	45.41	5.84	33.27	34.47	357	178	Average	HORIZONTAL
3	5242.40	124.91			120.15	5.78	33.45	34.47	357	178	Peak	HORIZONTAL
4	5243.00	114.66			109.90	5.78	33.45	34.47	357	178	Average	HORIZONTAL
5	5350.60	49.13	54.00	-4.87	44.24	5.73	33.63	34.47	357	178	Average	HORIZONTAL
6	5357.80	61.88	74.00	-12.12	56.99	5.73	33.63	34.47	357	178	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.60	66.67	68.20	-1.53	60.88	5.78	34.52	34.51	350	180	Peak	VERTICAL
2	5725.00	76.96	78.20	-1.24	71.11	5.79	34.57	34.51	350	180	Peak	VERTICAL
3	5737.80	110.73			104.83	5.80	34.62	34.52	350	180	Average	VERTICAL
4	5738.60	121.66			115.76	5.80	34.62	34.52	350	180	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5710.20	66.92	68.20	-1.28	61.13	5.78	34.52	34.51	350	184	Peak	VERTICAL
2	5717.00	69.53	78.20	-8.67	63.74	5.78	34.52	34.51	350	184	Peak	VERTICAL
3	5777.80	114.01			107.98	5.83	34.73	34.53	350	184	Average	VERTICAL
4	5778.60	125.12			119.09	5.83	34.73	34.53	350	184	Peak	VERTICAL
5	5850.00	63.57	78.20	-14.63	57.31	5.87	34.93	34.54	350	184	Peak	VERTICAL
6	5872.20	65.58	68.20	-2.62	59.19	5.89	35.04	34.54	350	184	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5818.60	122.17			116.02	5.85	34.83	34.53	349	176	Peak	VERTICAL
2	5819.40	111.00			104.85	5.85	34.83	34.53	349	176	Average	VERTICAL
3	5850.00	75.24	78.20	-2.96	68.98	5.87	34.93	34.54	349	176	Peak	VERTICAL
4	5860.00	66.98	68.20	-1.22	60.65	5.88	34.99	34.54	349	176	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	65.61	74.00	-8.39	60.97	5.84	33.27	34.47	355	191	Peak	HORIZONTAL
2	5150.00	52.81	54.00	-1.19	48.17	5.84	33.27	34.47	355	191	Average	HORIZONTAL
3	5192.80	102.98			98.28	5.81	33.36	34.47	355	191	Average	HORIZONTAL
4	5193.20	113.34			108.64	5.81	33.36	34.47	355	191	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5149.60	65.10	74.00	-8.90	60.46	5.84	33.27	34.47	357	198	Peak	VERTICAL
2	5150.00	52.98	54.00	-1.02	48.34	5.84	33.27	34.47	357	198	Average	VERTICAL
3	5222.20	119.77			115.05	5.80	33.39	34.47	357	198	Peak	VERTICAL
4	5222.80	109.27			104.55	5.80	33.39	34.47	357	198	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5715.00	67.09	68.20	-1.11	61.30	5.78	34.52	34.51	355	188	Peak	VERTICAL
2	5716.60	68.29	78.20	-9.91	62.50	5.78	34.52	34.51	355	188	Peak	VERTICAL
3	5747.40	113.34			107.44	5.80	34.62	34.52	355	188	Peak	VERTICAL
4	5748.20	102.42			96.52	5.80	34.62	34.52	355	188	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5711.00	62.99	68.20	-5.21	57.20	5.78	34.52	34.51	346	196	Peak	HORIZONTAL
2	5725.00	63.43	78.20	-14.77	57.58	5.79	34.57	34.51	346	196	Peak	HORIZONTAL
3	5798.60	118.28			112.19	5.84	34.78	34.53	346	196	Peak	HORIZONTAL
4	5799.40	108.21			102.12	5.84	34.78	34.53	346	196	Average	HORIZONTAL
5	5858.20	69.14	78.20	-9.06	62.81	5.88	34.99	34.54	346	196	Peak	HORIZONTAL
6	5860.00	67.19	68.20	-1.01	60.86	5.88	34.99	34.54	346	196	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 22, 2015 ~ Oct. 27, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.31	64.59	74.00	-9.41	59.42	6.13	34.04	35.00	Peak	170	350	VERTICAL
2	5143.27	52.97	54.00	-1.03	47.80	6.13	34.04	35.00	Average	170	350	VERTICAL
3	5203.75	95.17			89.89	6.16	34.12	35.00	Average	170	350	VERTICAL
4	5225.39	105.48			100.13	6.18	34.17	35.00	Peak	170	350	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5697.00	66.94	68.20	-1.26	61.21	5.77	34.47	34.51	352	188	Peak	HORIZONTAL
2	5722.00	67.96	78.20	-10.24	62.11	5.79	34.57	34.51	352	188	Peak	HORIZONTAL
3	5799.00	107.14			101.05	5.84	34.78	34.53	352	188	Peak	HORIZONTAL
4	5799.00	97.07			90.98	5.84	34.78	34.53	352	188	Average	HORIZONTAL
5	5855.00	66.39	78.20	-11.81	60.06	5.88	34.99	34.54	352	188	Peak	HORIZONTAL
6	5876.00	64.81	68.20	-3.39	58.42	5.89	35.04	34.54	352	188	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.95	54.00	-1.05	47.78	6.13	34.04	35.00	Average	183	232	VERTICAL
2	5150.00	66.42	74.00	-7.58	61.25	6.13	34.04	35.00	Peak	183	232	VERTICAL
3	5182.03	119.80			114.56	6.15	34.09	35.00	Peak	183	232	VERTICAL
4	5182.89	108.74			103.50	6.15	34.09	35.00	Average	183	232	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.77	64.92	74.00	-9.08	59.75	6.13	34.04	35.00	Peak	202	44	VERTICAL
2	5150.00	52.68	54.00	-1.32	47.51	6.13	34.04	35.00	Average	202	44	VERTICAL
3	5193.92	122.58			117.30	6.16	34.12	35.00	Peak	202	44	VERTICAL
4	5194.79	111.70			106.42	6.16	34.12	35.00	Average	202	44	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5140.58	59.32	74.00	-14.68	54.15	6.13	34.04	35.00	Peak	204	315	VERTICAL
2	5142.75	47.77	54.00	-6.23	42.60	6.13	34.04	35.00	Average	204	315	VERTICAL
3	5237.83	112.52			107.17	6.18	34.17	35.00	Average	204	315	VERTICAL
4	5237.83	122.19			116.84	6.18	34.17	35.00	Peak	204	315	VERTICAL
5	5359.12	47.30	54.00	-6.70	41.68	6.26	34.36	35.00	Average	204	315	VERTICAL
6	5377.35	61.02	74.00	-12.98	55.35	6.27	34.39	34.99	Peak	204	315	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.00	66.76	68.20	-1.44	60.71	6.44	34.64	35.03	Peak	196	135	VERTICAL
2	5724.16	73.74	78.20	-4.46	67.68	6.45	34.64	35.03	Peak	196	135	VERTICAL
3	5749.92	120.87			114.81	6.45	34.65	35.04	Peak	196	135	VERTICAL
4	5750.21	109.95			103.89	6.45	34.65	35.04	Average	196	135	VERTICAL

Item 3, 4 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	66.87	68.20	-1.33	60.82	6.44	34.64	35.03	Peak	207	136	VERTICAL
2	5725.00	71.00	78.20	-7.20	64.94	6.45	34.64	35.03	Peak	207	136	VERTICAL
3	5790.21	113.84			107.76	6.47	34.66	35.05	Average	207	136	VERTICAL
4	5790.21	124.24			118.16	6.47	34.66	35.05	Peak	207	136	VERTICAL
5	5850.00	71.52	78.20	-6.68	65.42	6.49	34.67	35.06	Peak	207	136	VERTICAL
6	5867.24	65.51	68.20	-2.69	59.41	6.50	34.67	35.07	Peak	207	136	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.21	109.65			103.56	6.48	34.67	35.06	Average	199	135	VERTICAL
2	5830.79	120.44			114.35	6.48	34.67	35.06	Peak	199	135	VERTICAL
3	5851.05	76.86	78.20	-1.34	70.76	6.49	34.67	35.06	Peak	199	135	VERTICAL
4	5870.44	62.65	68.20	-5.55	56.55	6.50	34.67	35.07	Peak	199	135	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.90	65.93	74.00	-8.07	60.76	6.13	34.04	35.00	Peak	225	88	VERTICAL
2	5150.00	52.18	54.00	-1.82	47.01	6.13	34.04	35.00	Average	225	88	VERTICAL
3	5184.05	120.25			115.01	6.15	34.09	35.00	Peak	225	88	VERTICAL
4	5185.21	108.51			103.27	6.15	34.09	35.00	Average	225	88	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.88	52.80	54.00	-1.20	47.63	6.13	34.04	35.00	Average	236	87	VERTICAL
2	5146.74	66.39	74.00	-7.61	61.22	6.13	34.04	35.00	Peak	236	87	VERTICAL
3	5205.21	111.73			106.45	6.16	34.12	35.00	Average	236	87	VERTICAL
4	5205.50	123.08			117.80	6.16	34.12	35.00	Peak	236	87	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.26	47.15	54.00	-6.85	41.98	6.13	34.04	35.00	Average	210	30	VERTICAL
2	5150.00	59.42	74.00	-14.58	54.25	6.13	34.04	35.00	Peak	210	30	VERTICAL
3	5231.75	110.63			105.28	6.18	34.17	35.00	Average	210	30	VERTICAL
4	5232.62	119.60			114.25	6.18	34.17	35.00	Peak	210	30	VERTICAL
5	5351.74	60.22	74.00	-13.78	54.60	6.26	34.36	35.00	Peak	210	30	VERTICAL
6	5352.60	47.34	54.00	-6.66	41.72	6.26	34.36	35.00	Average	210	30	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5710.41	66.60	74.00	-7.40	60.55	6.44	34.64	35.03	Peak	200	135	VERTICAL
2	5710.70	51.77	54.00	-2.23	45.72	6.44	34.64	35.03	Average	200	135	VERTICAL
3	5723.15	73.64	78.20	-4.56	67.58	6.45	34.64	35.03	Peak	200	135	VERTICAL
4	5750.21	108.90			102.84	6.45	34.65	35.04	Average	200	135	VERTICAL
5	5750.21	120.60			114.54	6.45	34.65	35.04	Peak	200	135	VERTICAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.92	67.15	68.20	-1.05	61.10	6.44	34.64	35.03	Peak	202	279	VERTICAL
2	5722.05	72.68	78.20	-5.52	66.62	6.45	34.64	35.03	Peak	202	279	VERTICAL
3	5790.79	112.33			106.25	6.47	34.66	35.05	Average	202	279	VERTICAL
4	5792.24	123.88			117.80	6.47	34.66	35.05	Peak	202	279	VERTICAL
5	5850.85	72.54	78.20	-5.66	66.44	6.49	34.67	35.06	Peak	202	279	VERTICAL
6	5860.00	65.78	68.20	-2.42	59.68	6.50	34.67	35.07	Peak	202	279	VERTICAL

Item 3, 4 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5830.64	109.39			103.30	6.48	34.67	35.06	Average	208	135	VERTICAL
2	5831.10	119.24			113.15	6.48	34.67	35.06	Peak	208	135	VERTICAL
3	5850.00	76.96	78.20	-1.24	70.86	6.49	34.67	35.06	Peak	208	135	VERTICAL
4	5873.48	63.73	68.20	-4.47	57.62	6.50	34.68	35.07	Peak	208	135	VERTICAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.90	64.05	74.00	-9.95	58.88	6.13	34.04	35.00	Peak	203	44	VERTICAL
2	5150.00	52.13	54.00	-1.87	46.96	6.13	34.04	35.00	Average	203	44	VERTICAL
3	5184.21	103.50			98.26	6.15	34.09	35.00	Average	203	44	VERTICAL
4	5184.79	113.01			107.77	6.15	34.09	35.00	Peak	203	44	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.96	52.22	54.00	-1.78	47.05	6.13	34.04	35.00	Average	205	315	VERTICAL
2	5148.96	63.97	74.00	-10.03	58.80	6.13	34.04	35.00	Peak	205	315	VERTICAL
3	5227.83	108.47			103.12	6.18	34.17	35.00	Average	205	315	VERTICAL
4	5229.28	118.19			112.84	6.18	34.17	35.00	Peak	205	315	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5711.58	66.43	68.20	-1.77	60.38	6.44	34.64	35.03	Peak	202	135	VERTICAL
2	5719.11	69.55	78.20	-8.65	63.49	6.45	34.64	35.03	Peak	202	135	VERTICAL
3	5760.50	114.43			108.37	6.46	34.65	35.05	Peak	202	135	VERTICAL
4	5760.79	104.72			98.66	6.46	34.65	35.05	Average	202	135	VERTICAL

Item 3, 4 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5700.79	65.64	68.20	-2.56	59.59	6.44	34.64	35.03	Peak	201	278	VERTICAL
2	5721.63	69.61	78.20	-8.59	63.55	6.45	34.64	35.03	Peak	201	278	VERTICAL
3	5801.51	107.04			100.96	6.47	34.66	35.05	Average	201	278	VERTICAL
4	5802.38	116.44			110.36	6.47	34.66	35.05	Peak	201	278	VERTICAL
5	5859.69	68.87	78.20	-9.33	62.77	6.50	34.67	35.07	Peak	201	278	VERTICAL
6	5860.00	67.01	68.20	-1.19	60.91	6.50	34.67	35.07	Peak	201	278	VERTICAL

Item 3, 4 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 23, 2015 ~ Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.77	64.85	74.00	-9.15	59.68	6.13	34.04	35.00	Peak	199	42	VERTICAL
2	5150.00	52.34	54.00	-1.66	47.17	6.13	34.04	35.00	Average	199	42	VERTICAL
3	5185.40	106.51			101.27	6.15	34.09	35.00	Peak	199	42	VERTICAL
4	5204.79	97.02			91.74	6.16	34.12	35.00	Average	199	42	VERTICAL
5	5350.72	47.00	54.00	-7.00	41.38	6.26	34.36	35.00	Average	199	42	VERTICAL
6	5384.73	59.70	74.00	-14.30	54.00	6.28	34.41	34.99	Peak	199	42	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5704.09	66.54	68.20	-1.66	60.49	6.44	34.64	35.03	Peak	207	278	VERTICAL
2	5722.18	67.10	78.20	-11.10	61.04	6.45	34.64	35.03	Peak	207	278	VERTICAL
3	5780.79	97.13			91.06	6.46	34.66	35.05	Average	207	278	VERTICAL
4	5782.24	107.25			101.18	6.46	34.66	35.05	Peak	207	278	VERTICAL
5	5859.28	62.08	78.20	-16.12	55.98	6.50	34.67	35.07	Peak	207	278	VERTICAL
6	5861.83	64.47	68.20	-3.73	58.37	6.50	34.67	35.07	Peak	207	278	VERTICAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.37	47.57	54.00	-6.43	42.40	6.13	34.04	35.00	Average	297	301	HORIZONTAL
2	5148.70	59.29	74.00	-14.71	54.12	6.13	34.04	35.00	Peak	297	301	HORIZONTAL
3	5183.33	107.69			102.45	6.15	34.09	35.00	Average	297	301	HORIZONTAL
4	5184.63	117.91			112.67	6.15	34.09	35.00	Peak	297	301	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5144.50	51.21	54.00	-2.79	46.04	6.13	34.04	35.00	Average	300	304	HORIZONTAL
2	5144.79	66.72	74.00	-7.28	61.55	6.13	34.04	35.00	Peak	300	304	HORIZONTAL
3	5203.18	111.40			106.12	6.16	34.12	35.00	Average	300	304	HORIZONTAL
4	5204.05	121.87			116.59	6.16	34.12	35.00	Peak	300	304	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.09	58.18	74.00	-15.82	53.01	6.13	34.04	35.00	Peak	279	314	VERTICAL
2	5146.96	46.00	54.00	-8.00	40.83	6.13	34.04	35.00	Average	279	314	VERTICAL
3	5242.60	107.83			102.43	6.20	34.20	35.00	Average	279	314	VERTICAL
4	5243.04	118.36			112.96	6.20	34.20	35.00	Peak	279	314	VERTICAL
5	5351.30	58.10	74.00	-15.90	52.48	6.26	34.36	35.00	Peak	279	314	VERTICAL
6	5356.95	46.37	54.00	-7.63	40.75	6.26	34.36	35.00	Average	279	314	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5712.11	51.29	54.00	-2.71	45.24	6.44	34.64	35.03	Average	263	61	HORIZONTAL
2	5712.25	65.17	74.00	-8.83	59.12	6.44	34.64	35.03	Peak	263	61	HORIZONTAL
3	5723.12	68.15	78.20	-10.05	62.09	6.45	34.64	35.03	Peak	263	61	HORIZONTAL
4	5750.64	116.91			110.85	6.45	34.65	35.04	Peak	263	61	HORIZONTAL
5	5750.79	105.74			99.68	6.45	34.65	35.04	Average	263	61	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5709.36	62.52	74.00	-11.48	56.47	6.44	34.64	35.03	Peak	245	305	HORIZONTAL
2	5713.26	49.29	54.00	-4.71	43.24	6.44	34.64	35.03	Average	245	305	HORIZONTAL
3	5721.96	69.02	78.20	-9.18	62.96	6.45	34.64	35.03	Peak	245	305	HORIZONTAL
4	5788.47	111.74			105.66	6.47	34.66	35.05	Average	245	305	HORIZONTAL
5	5788.47	122.12			116.04	6.47	34.66	35.05	Peak	245	305	HORIZONTAL
6	5854.34	63.38	78.20	-14.82	57.27	6.50	34.67	35.06	Peak	245	305	HORIZONTAL
7	5866.08	61.06	74.00	-12.94	54.96	6.50	34.67	35.07	Peak	245	305	HORIZONTAL
8	5887.79	47.72	54.00	-6.28	41.60	6.51	34.68	35.07	Average	245	305	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5827.60	119.09			113.00	6.48	34.67	35.06	Peak	232	309	HORIZONTAL
2	5827.89	108.59			102.50	6.48	34.67	35.06	Average	232	309	HORIZONTAL
3	5851.45	74.53	78.20	-3.67	68.43	6.49	34.67	35.06	Peak	232	309	HORIZONTAL
4	5860.87	51.12	54.00	-2.88	45.02	6.50	34.67	35.07	Average	232	309	HORIZONTAL
5	5861.74	66.60	74.00	-7.40	60.50	6.50	34.67	35.07	Peak	232	309	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5145.66	60.04	74.00	-13.96	54.87	6.13	34.04	35.00	Peak	284	57	HORIZONTAL
2	5150.00	46.20	54.00	-7.80	41.03	6.13	34.04	35.00	Average	284	57	HORIZONTAL
3	5178.26	106.48			101.24	6.15	34.09	35.00	Average	284	57	HORIZONTAL
4	5178.55	117.67			112.43	6.15	34.09	35.00	Peak	284	57	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5138.42	62.92	74.00	-11.08	57.79	6.12	34.01	35.00	Peak	296	58	HORIZONTAL
2	5150.00	50.30	54.00	-3.70	45.13	6.13	34.04	35.00	Average	296	58	HORIZONTAL
3	5198.26	121.34			116.06	6.16	34.12	35.00	Peak	296	58	HORIZONTAL
4	5198.55	110.34			105.06	6.16	34.12	35.00	Average	296	58	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5114.83	59.48	74.00	-14.52	54.39	6.11	33.99	35.01	Peak	291	60	HORIZONTAL
2	5146.53	46.19	54.00	-7.81	41.02	6.13	34.04	35.00	Average	291	60	HORIZONTAL
3	5238.70	121.64			116.29	6.18	34.17	35.00	Peak	291	60	HORIZONTAL
4	5239.13	109.85			104.50	6.18	34.17	35.00	Average	291	60	HORIZONTAL
5	5350.43	46.01	54.00	-7.99	40.39	6.26	34.36	35.00	Average	291	60	HORIZONTAL
6	5352.60	59.30	74.00	-14.70	53.68	6.26	34.36	35.00	Peak	291	60	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.62	62.97	74.00	-11.03	56.92	6.44	34.64	35.03	Peak	249	306	HORIZONTAL
2	5709.21	48.67	54.00	-5.33	42.62	6.44	34.64	35.03	Average	249	306	HORIZONTAL
3	5724.71	67.50	78.20	-10.70	61.44	6.45	34.64	35.03	Peak	249	306	HORIZONTAL
4	5747.46	105.69			99.63	6.45	34.65	35.04	Average	249	306	HORIZONTAL
5	5747.75	117.64			111.58	6.45	34.65	35.04	Peak	249	306	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5745 MHz.

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.26	62.56	74.00	-11.44	56.51	6.44	34.64	35.03	Peak	248	303	HORIZONTAL
2	5715.00	48.88	54.00	-5.12	42.83	6.44	34.64	35.03	Average	248	303	HORIZONTAL
3	5724.13	68.26	78.20	-9.94	62.20	6.45	34.64	35.03	Peak	248	303	HORIZONTAL
4	5788.04	110.81			104.73	6.47	34.66	35.05	Average	248	303	HORIZONTAL
5	5788.91	121.77			115.69	6.47	34.66	35.05	Peak	248	303	HORIZONTAL
6	5850.87	63.20	78.20	-15.00	57.10	6.49	34.67	35.06	Peak	248	303	HORIZONTAL
7	5861.74	60.00	74.00	-14.00	53.90	6.50	34.67	35.07	Peak	248	303	HORIZONTAL
8	5886.92	47.29	54.00	-6.71	41.18	6.50	34.68	35.07	Average	248	303	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5785 MHz.

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5828.18	107.81			101.72	6.48	34.67	35.06	Average	256	300	HORIZONTAL
2	5828.76	119.30			113.21	6.48	34.67	35.06	Peak	256	300	HORIZONTAL
3	5850.00	75.97	78.20	-2.23	69.87	6.49	34.67	35.06	Peak	256	300	HORIZONTAL
4	5861.74	49.10	54.00	-4.90	43.00	6.50	34.67	35.07	Average	256	300	HORIZONTAL
5	5863.18	64.16	74.00	-9.84	58.06	6.50	34.67	35.07	Peak	256	300	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5825 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	49.73	54.00	-4.27	44.56	6.13	34.04	35.00	Average	286	62	HORIZONTAL
2	5150.00	62.31	74.00	-11.69	57.14	6.13	34.04	35.00	Peak	286	62	HORIZONTAL
3	5187.97	100.66			95.42	6.15	34.09	35.00	Average	286	62	HORIZONTAL
4	5188.55	111.07			105.83	6.15	34.09	35.00	Peak	286	62	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.70	49.41	54.00	-4.59	44.24	6.13	34.04	35.00	Average	288	55	HORIZONTAL
2	5149.13	62.30	74.00	-11.70	57.13	6.13	34.04	35.00	Peak	288	55	HORIZONTAL
3	5228.84	104.20			98.85	6.18	34.17	35.00	Average	288	55	HORIZONTAL
4	5228.84	115.15			109.80	6.18	34.17	35.00	Peak	288	55	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5699.08	64.06	74.00	-9.94	58.02	6.43	34.64	35.03	Peak	242	305	HORIZONTAL
2	5715.00	51.34	54.00	-2.66	45.29	6.44	34.64	35.03	Average	242	305	HORIZONTAL
3	5725.00	69.69	78.20	-8.51	63.63	6.45	34.64	35.03	Peak	242	305	HORIZONTAL
4	5757.89	100.75			94.69	6.46	34.65	35.05	Average	242	305	HORIZONTAL
5	5757.89	111.27			105.21	6.46	34.65	35.05	Peak	242	305	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5755 MHz.

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5715.00	50.38	54.00	-3.62	44.33	6.44	34.64	35.03	Average	243	304	HORIZONTAL
2	5715.00	61.96	74.00	-12.04	55.91	6.44	34.64	35.03	Peak	243	304	HORIZONTAL
3	5717.19	65.44	78.20	-12.76	59.39	6.44	34.64	35.03	Peak	243	304	HORIZONTAL
4	5798.47	103.89			97.81	6.47	34.66	35.05	Average	243	304	HORIZONTAL
5	5799.34	115.09			109.01	6.47	34.66	35.05	Peak	243	304	HORIZONTAL
6	5858.25	65.56	78.20	-12.64	59.46	6.50	34.67	35.07	Peak	243	304	HORIZONTAL
7	5860.00	50.83	54.00	-3.17	44.73	6.50	34.67	35.07	Average	243	304	HORIZONTAL
8	5860.00	64.48	74.00	-9.52	58.38	6.50	34.67	35.07	Peak	243	304	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5795 MHz.

Temperature	25℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 16, 2015 ~ Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.83	50.14	54.00	-3.86	44.97	6.13	34.04	35.00	Average	298	60	HORIZONTAL
2	5147.83	61.74	74.00	-12.26	56.57	6.13	34.04	35.00	Peak	298	60	HORIZONTAL
3	5188.29	94.01			88.77	6.15	34.09	35.00	Average	298	60	HORIZONTAL
4	5189.02	103.96			98.72	6.15	34.09	35.00	Peak	298	60	HORIZONTAL
5	5351.45	46.80	54.00	-7.20	41.18	6.26	34.36	35.00	Average	298	60	HORIZONTAL
6	5352.89	58.32	74.00	-15.68	52.70	6.26	34.36	35.00	Peak	298	60	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Channel 155

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.94	51.11	54.00	-2.89	45.07	6.43	34.64	35.03	Average	265	300	HORIZONTAL
2	5711.96	65.50	74.00	-8.50	59.45	6.44	34.64	35.03	Peak	265	300	HORIZONTAL
3	5718.92	66.35	78.20	-11.85	60.29	6.45	34.64	35.03	Peak	265	300	HORIZONTAL
4	5778.91	93.41			87.34	6.46	34.66	35.05	Average	265	300	HORIZONTAL
5	5799.31	103.56			97.48	6.47	34.66	35.05	Peak	265	300	HORIZONTAL
6	5858.70	63.80	78.20	-14.40	57.70	6.50	34.67	35.07	Peak	265	300	HORIZONTAL
7	5860.00	51.04	54.00	-2.96	44.94	6.50	34.67	35.07	Average	265	300	HORIZONTAL
8	5860.87	63.43	74.00	-10.57	57.33	6.50	34.67	35.07	Peak	265	300	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

4.8. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. Measuring Instruments and Setting

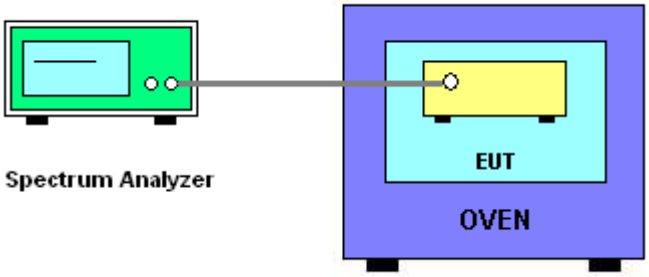
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is -20°C~50°C.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

Temperature	25℃	Humidity	50%
Test Engineer	Eddie Weng & Lucas Huang	Test Date	Oct. 23, 2015 ~ Nov. 10, 2015
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Mode: 20 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5200.0068	5200.0054	5200.0036	5200.0015
110.00	5200.0056	5200.0043	5200.0027	5200.0008
93.50	5200.0042	5200.0031	5200.0019	5199.9997
Max. Deviation (MHz)	0.0068	0.0054	0.0036	0.0015
Max. Deviation (ppm)	1.31	1.04	0.69	0.29
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5200.0110	5200.0097	5200.0080	5200.0056
-10	5200.0095	5200.0083	5200.0067	5200.0048
0	5200.0081	5200.0069	5200.0050	5200.0028
10	5200.0068	5200.0055	5200.0040	5200.0022
20	5200.0056	5200.0043	5200.0027	5200.0008
30	5200.0042	5200.0031	5200.0017	5200.0001
40	5200.0026	5200.0011	5199.9995	5199.9975
50	5200.0009	5199.9997	5199.9982	5199.9955
Max. Deviation (MHz)	0.0110	0.0097	0.0080	0.0056
Max. Deviation (ppm)	2.12	1.87	1.54	1.08

Result	Complies

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5785.0025	5785.0011	5784.9993	5784.9972
110.00	5785.0013	5785.0000	5784.9984	5784.9965
93.50	5784.9999	5784.9988	5784.9976	5784.9954
Max. Deviation (MHz)	0.0025	0.0012	0.0024	0.0046
Max. Deviation (ppm)	0.43	0.21	0.41	0.80
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5785.0067	5785.0054	5785.0037	5785.0013
-10	5785.0052	5785.0040	5785.0024	5785.0005
0	5785.0038	5785.0026	5785.0007	5784.9985
10	5785.0025	5785.0012	5784.9997	5784.9979
20	5785.0013	5785.0000	5784.9984	5784.9965
30	5784.9999	5784.9988	5784.9974	5784.9958
40	5784.9983	5784.9968	5784.9952	5784.9932
50	5784.9966	5784.9954	5784.9939	5784.9912
Max. Deviation (MHz)	0.0067	0.0054	0.0061	0.0088
Max. Deviation (ppm)	1.16	0.93	1.05	1.52
Result	Complies			

Mode: 40 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5190.0029	5190.0015	5189.9997	5189.9976
110.00	5190.0017	5190.0004	5189.9988	5189.9969
93.50	5190.0003	5189.9992	5189.9980	5189.9958
Max. Deviation (MHz)	0.0029	0.0015	0.0020	0.0042
Max. Deviation (ppm)	0.56	0.29	0.39	0.81
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5190.0071	5190.0058	5190.0041	5190.0017
-10	5190.0056	5190.0044	5190.0028	5190.0009
0	5190.0042	5190.0030	5190.0011	5189.9989
10	5190.0029	5190.0016	5190.0001	5189.9983
20	5190.0017	5190.0004	5189.9988	5189.9969
30	5190.0003	5189.9992	5189.9978	5189.9962
40	5189.9987	5189.9972	5189.9956	5189.9936
50	5189.9970	5189.9958	5189.9943	5189.9916
Max. Deviation (MHz)	0.0071	0.0058	0.0057	0.0084
Max. Deviation (ppm)	1.37	1.12	1.10	1.62
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5755.0099	5755.0085	5755.0067	5755.0046
110.00	5755.0087	5755.0074	5755.0058	5755.0039
93.50	5755.0073	5755.0062	5755.0050	5755.0028
Max. Deviation (MHz)	0.0099	0.0085	0.0067	0.0046
Max. Deviation (ppm)	1.72	1.48	1.16	0.80
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5755.0141	5755.0128	5755.0111	5755.0087
-10	5755.0126	5755.0114	5755.0098	5755.0079
0	5755.0112	5755.0100	5755.0081	5755.0059
10	5755.0099	5755.0086	5755.0071	5755.0053
20	5755.0087	5755.0074	5755.0058	5755.0039
30	5755.0073	5755.0062	5755.0048	5755.0032
40	5755.0057	5755.0042	5755.0026	5755.0006
50	5755.0040	5755.0028	5755.0013	5754.9986
Max. Deviation (MHz)	0.0141	0.0128	0.0111	0.0087
Max. Deviation (ppm)	2.45	2.22	1.93	1.51
Result	Complies			

Mode: 80 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5210.0042	5210.0028	5210.0010	5209.9989
110.00	5210.0030	5210.0017	5210.0001	5209.9982
93.50	5210.0016	5210.0005	5209.9993	5209.9971
Max. Deviation (MHz)	0.0042	0.0028	0.0010	0.0029
Max. Deviation (ppm)	0.81	0.54	0.19	0.56
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5210.0084	5210.0071	5210.0054	5210.0030
-10	5210.0069	5210.0057	5210.0041	5210.0022
0	5210.0055	5210.0043	5210.0024	5210.0002
10	5210.0042	5210.0029	5210.0014	5209.9996
20	5210.0030	5210.0017	5210.0001	5209.9982
30	5210.0016	5210.0005	5209.9991	5209.9975
40	5210.0000	5209.9985	5209.9969	5209.9949
50	5209.9983	5209.9971	5209.9956	5209.9929
Max. Deviation (MHz)	0.0084	0.0071	0.0054	0.0071
Max. Deviation (ppm)	1.61	1.36	1.04	1.36
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5775.0029	5775.0015	5774.9997	5774.9976
110.00	5775.0017	5775.0004	5774.9988	5774.9969
93.50	5775.0003	5774.9992	5774.9980	5774.9958
Max. Deviation (MHz)	0.0029	0.0015	0.0020	0.0042
Max. Deviation (ppm)	0.50	0.26	0.35	0.73
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5775.0071	5775.0058	5775.0041	5775.0017
-10	5775.0056	5775.0044	5775.0028	5775.0009
0	5775.0042	5775.0030	5775.0011	5774.9989
10	5775.0029	5775.0016	5775.0001	5774.9983
20	5775.0017	5775.0004	5774.9988	5774.9969
30	5775.0003	5774.9992	5774.9978	5774.9962
40	5774.9987	5774.9972	5774.9956	5774.9936
50	5774.9970	5774.9958	5774.9943	5774.9916
Max. Deviation (MHz)	0.0071	0.0058	0.0057	0.0084
Max. Deviation (ppm)	1.23	1.00	0.99	1.45
Result	Complies			

Temperature	25℃	Humidity	50%
Test Engineer	Eddie Weng & Lucas Huang	Test Date	Oct. 20, 2015
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Mode: 20 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5200.0559	5200.0545	5200.0527	5200.0506
110.00	5200.0547	5200.0534	5200.0518	5200.0499
93.50	5200.0533	5200.0522	5200.0510	5200.0488
Max. Deviation (MHz)	0.0559	0.0545	0.0527	0.0506
Max. Deviation (ppm)	10.75	10.48	10.13	9.73
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5200.0601	5200.0588	5200.0571	5200.0547
-10	5200.0586	5200.0574	5200.0558	5200.0539
0	5200.0572	5200.0560	5200.0541	5200.0519
10	5200.0559	5200.0546	5200.0531	5200.0513
20	5200.0547	5200.0534	5200.0518	5200.0499
30	5200.0533	5200.0522	5200.0508	5200.0492
40	5200.0517	5200.0502	5200.0486	5200.0466
50	5200.0500	5200.0488	5200.0473	5200.0446
Max. Deviation (MHz)	0.0601	0.0588	0.0571	0.0547
Max. Deviation (ppm)	11.56	11.31	10.98	10.52
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5785.0586	5785.0572	5785.0554	5785.0533
110.00	5785.0574	5785.0561	5785.0545	5785.0526
93.50	5785.0560	5785.0549	5785.0537	5785.0515
Max. Deviation (MHz)	0.0586	0.0572	0.0554	0.0533
Max. Deviation (ppm)	10.13	9.89	9.58	9.21
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5785.0628	5785.0615	5785.0598	5785.0574
-10	5785.0613	5785.0601	5785.0585	5785.0566
0	5785.0599	5785.0587	5785.0568	5785.0546
10	5785.0586	5785.0573	5785.0558	5785.0540
20	5785.0574	5785.0561	5785.0545	5785.0526
30	5785.0560	5785.0549	5785.0535	5785.0519
40	5785.0544	5785.0529	5785.0513	5785.0493
50	5785.0527	5785.0515	5785.0500	5785.0473
Max. Deviation (MHz)	0.0628	0.0615	0.0598	0.0574
Max. Deviation (ppm)	10.86	10.63	10.34	9.92
Result	Complies			

Mode: 40 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5190.0510	5190.0496	5190.0478	5190.0457
110.00	5190.0498	5190.0485	5190.0469	5190.0450
93.50	5190.0484	5190.0473	5190.0461	5190.0439
Max. Deviation (MHz)	0.0510	0.0496	0.0478	0.0457
Max. Deviation (ppm)	9.83	9.56	9.21	8.81
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5190.0552	5190.0539	5190.0522	5190.0498
-10	5190.0537	5190.0525	5190.0509	5190.0490
0	5190.0523	5190.0511	5190.0492	5190.0470
10	5190.0510	5190.0497	5190.0482	5190.0464
20	5190.0498	5190.0485	5190.0469	5190.0450
30	5190.0484	5190.0473	5190.0459	5190.0443
40	5190.0468	5190.0453	5190.0437	5190.0417
50	5190.0451	5190.0439	5190.0424	5190.0397
Max. Deviation (MHz)	0.0552	0.0539	0.0522	0.0498
Max. Deviation (ppm)	10.64	10.39	10.06	9.60
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5755.0635	5755.0621	5755.0603	5755.0582
110.00	5755.0623	5755.0610	5755.0594	5755.0575
93.50	5755.0609	5755.0598	5755.0586	5755.0564
Max. Deviation (MHz)	0.0635	0.0621	0.0603	0.0582
Max. Deviation (ppm)	11.03	10.79	10.48	10.11
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5755.0677	5755.0664	5755.0647	5755.0623
-10	5755.0662	5755.0650	5755.0634	5755.0615
0	5755.0648	5755.0636	5755.0617	5755.0595
10	5755.0635	5755.0622	5755.0607	5755.0589
20	5755.0623	5755.0610	5755.0594	5755.0575
30	5755.0609	5755.0598	5755.0584	5755.0568
40	5755.0593	5755.0578	5755.0562	5755.0542
50	5755.0576	5755.0564	5755.0549	5755.0522
Max. Deviation (MHz)	0.0677	0.0664	0.0647	0.0623
Max. Deviation (ppm)	11.76	11.54	11.24	10.83
Result	Complies			

Mode: 80 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5210.0603	5210.0589	5210.0571	5210.0550
110.00	5210.0591	5210.0578	5210.0562	5210.0543
93.50	5210.0577	5210.0566	5210.0554	5210.0532
Max. Deviation (MHz)	0.0603	0.0589	0.0571	0.0550
Max. Deviation (ppm)	11.57	11.31	10.96	10.56
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5210.0645	5210.0632	5210.0615	5210.0591
-10	5210.0630	5210.0618	5210.0602	5210.0583
0	5210.0616	5210.0604	5210.0585	5210.0563
10	5210.0603	5210.0590	5210.0575	5210.0557
20	5210.0591	5210.0578	5210.0562	5210.0543
30	5210.0577	5210.0566	5210.0552	5210.0536
40	5210.0561	5210.0546	5210.0530	5210.0510
50	5210.0544	5210.0532	5210.0517	5210.0490
Max. Deviation (MHz)	0.0645	0.0632	0.0615	0.0591
Max. Deviation (ppm)	12.38	12.13	11.80	11.34
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5775.0427	5775.0413	5775.0395	5775.0374
110.00	5775.0415	5775.0402	5775.0386	5775.0367
93.50	5775.0401	5775.0390	5775.0378	5775.0356
Max. Deviation (MHz)	0.0427	0.0413	0.0395	0.0374
Max. Deviation (ppm)	7.39	7.15	6.84	6.48
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5775.0469	5775.0456	5775.0439	5775.0415
-10	5775.0454	5775.0442	5775.0426	5775.0407
0	5775.0440	5775.0428	5775.0409	5775.0387
10	5775.0427	5775.0414	5775.0399	5775.0381
20	5775.0415	5775.0402	5775.0386	5775.0367
30	5775.0401	5775.0390	5775.0376	5775.0360
40	5775.0385	5775.0370	5775.0354	5775.0334
50	5775.0368	5775.0356	5775.0341	5775.0314
Max. Deviation (MHz)	0.0469	0.0456	0.0439	0.0415
Max. Deviation (ppm)	8.12	7.90	7.60	7.19
Result	Complies			

4.9. Antenna Requirements

4.9.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.9.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Conducted Emission

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESR3	102051	9KHz ~ 3.6GHz	29/Apr/2017	Conduction (CO04-HY)
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	Conduction (CO04-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	Conduction (CO04-HY)
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	Conduction (CO04-HY)

Radiated Emission Below 1GHz

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	03CH02-HY
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	03CH02-HY
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	03CH02-HY
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	03CH02-HY
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	03CH02-HY
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	03CH02-HY
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018

Radiated Emission Above 1GHz

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 25, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)

Conducted

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 03, 2014	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

"*" Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

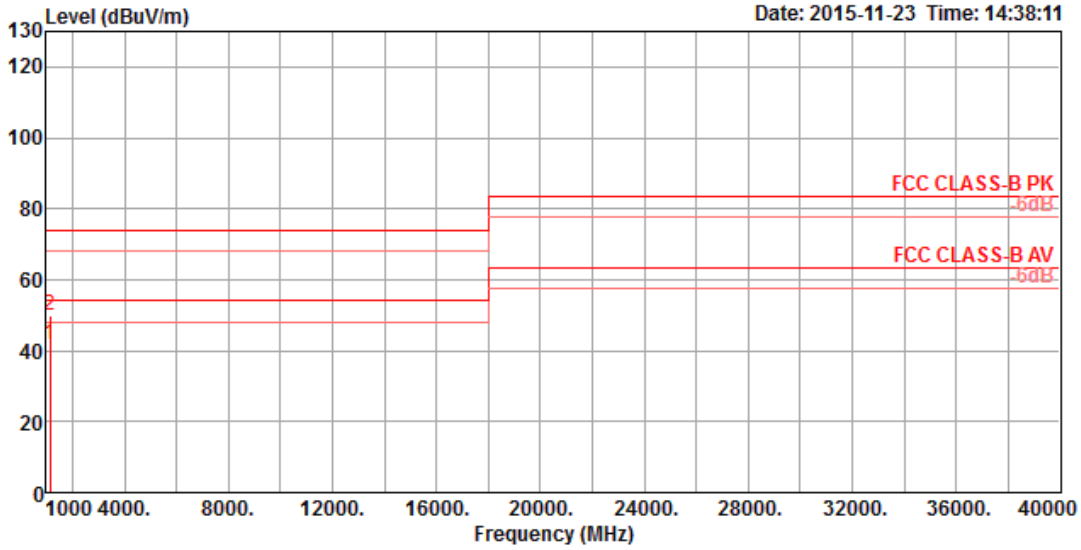
Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%

Appendix B. Radiated Emission Co-location Report

1. Results of Radiated Emissions for Co-located

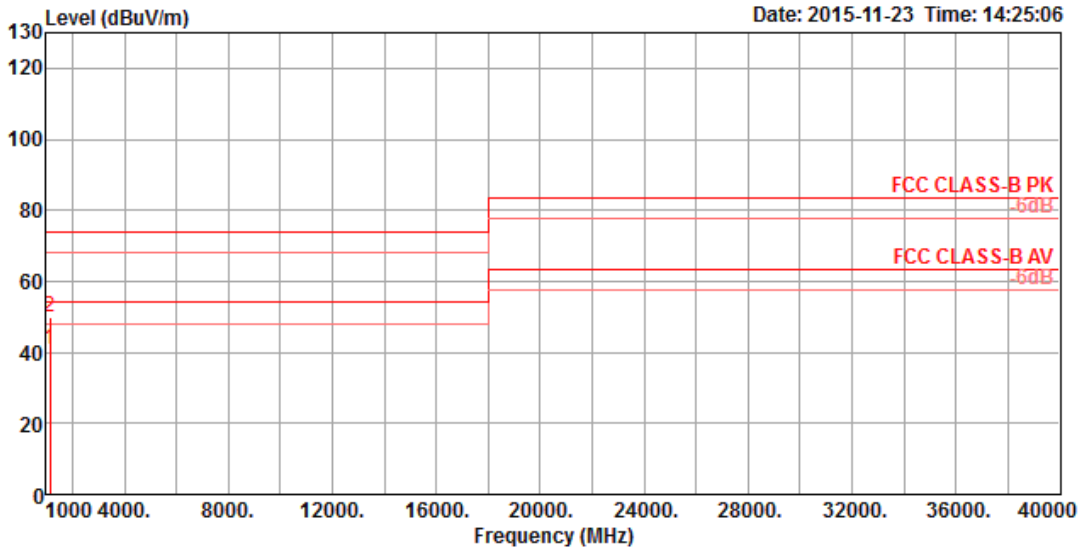
Temperature	25℃	**Humidity**	55%
Test Engineer	Stim Sung	**Configurations**	2.4GHz + 5GHz

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1129.38	41.78	54.00	-12.22	50.83	3.35	24.77	37.17	100	350	Average	HORIZONTAL
2	1129.38	49.78	74.00	-24.22	58.83	3.35	24.77	37.17	100	350	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1129.38	41.00	54.00	-13.00	50.05	3.35	24.77	37.17	100	285	Average	VERTICAL
2	1129.38	50.00	74.00	-24.00	59.05	3.35	24.77	37.17	100	285	Peak	VERTICAL