

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11561.00	58.95	74.00	-15.05	40.77	14.35	39.20	35.37	170	223	Peak	HORIZONTAL
2	11576.80	46.23	54.00	-7.77	28.05	14.35	39.20	35.37	170	223	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11561.88	58.90	74.00	-15.10	40.72	14.35	39.20	35.37	152	232	Peak	VERTICAL
2	11579.56	46.13	54.00	-7.87	27.95	14.35	39.20	35.37	152	232	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11652.68	59.57	74.00	-14.43	41.25	14.51	39.20	35.39	190	232	Peak	HORIZONTAL
2	11660.00	47.17	54.00	-6.83	28.85	14.51	39.20	35.39	190	232	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11648.08	59.43	74.00	-14.57	41.17	14.45	39.20	35.39	214	220	Peak	VERTICAL
2	11657.64	47.07	54.00	-6.93	28.75	14.51	39.20	35.39	214	220	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15561.84	62.63	74.00	-11.37	43.80	16.40	38.05	35.62	206	205	Peak
2	15569.08	50.41	54.00	-3.59	31.58	16.40	38.05	35.62	206	205	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15563.60	50.37	54.00	-3.63	31.54	16.40	38.05	35.62	222	215	Average
2	15571.32	63.33	74.00	-10.67	44.50	16.40	38.05	35.62	222	215	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15681.40	49.62	54.00	-4.38	30.90	16.45	37.91	35.64	195	189	Average	HORIZONTAL
2	15687.40	62.44	74.00	-11.56	43.72	16.45	37.91	35.64	195	189	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15681.56	62.52	74.00	-11.48	43.80	16.45	37.91	35.64	163	172	Peak	VERTICAL
2	15689.48	49.58	54.00	-4.42	30.86	16.45	37.91	35.64	163	172	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11500.00	45.28	54.00	-8.72	27.19	14.24	39.20	35.35	222	137	Average
2	11501.68	57.95	74.00	-16.05	39.86	14.24	39.20	35.35	222	137	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11502.88	57.52	74.00	-16.48	39.43	14.24	39.20	35.35	200	125	Peak	VERTICAL
2	11508.76	45.34	54.00	-8.66	27.25	14.24	39.20	35.35	200	125	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11593.08	58.74	74.00	-15.26	40.52	14.40	39.20	35.38	197	173	Peak	HORIZONTAL
2	11599.16	46.34	54.00	-7.66	28.12	14.40	39.20	35.38	197	173	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11583.72	59.26	74.00	-14.74	41.03	14.40	39.20	35.37	205	167	Peak	VERTICAL
2	11599.60	46.24	54.00	-7.76	28.02	14.40	39.20	35.38	205	167	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15631.92	62.30	74.00	-11.70	43.52	16.43	37.98	35.63	196	154	Peak
2	15633.72	49.62	54.00	-4.38	30.84	16.43	37.98	35.63	196	154	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15621.04	62.10	74.00	-11.90	43.32	16.43	37.98	35.63	194	142	Peak
2	15639.68	49.81	54.00	-4.19	31.03	16.43	37.98	35.63	194	142	Average

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11553.56	58.04	74.00	-15.96	39.86	14.35	39.20	35.37	178	180	Peak	HORIZONTAL
2	11554.36	45.69	54.00	-8.31	27.51	14.35	39.20	35.37	178	180	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11553.16	58.67	74.00	-15.33	40.49	14.35	39.20	35.37	198	179	Peak	VERTICAL
2	11556.60	45.66	54.00	-8.34	27.48	14.35	39.20	35.37	198	179	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.73	62.93	74.00	-11.07	44.05	16.37	38.13	35.62	135	147	Peak	HORIZONTAL
2	15540.88	49.84	54.00	-4.16	30.96	16.37	38.13	35.62	135	147	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.84	63.62	74.00	-10.38	44.74	16.37	38.13	35.62	137	139	Peak	VERTICAL
2	15540.89	49.78	54.00	-4.22	30.90	16.37	38.13	35.62	137	139	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15599.36	62.96	74.00	-11.04	44.13	16.40	38.05	35.62	139	110	Peak
2	15600.43	49.39	54.00	-4.61	30.60	16.43	37.98	35.62	139	110	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15599.03	62.04	74.00	-11.96	43.21	16.40	38.05	35.62	140	80	Peak
2	15599.31	50.06	54.00	-3.94	31.23	16.40	38.05	35.62	140	80	Average

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.06	49.76	54.00	-4.24	31.09	16.48	37.84	35.65	136	73	Average	HORIZONTAL
2	15720.62	62.91	74.00	-11.09	44.24	16.48	37.84	35.65	136	73	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.24	62.97	74.00	-11.03	44.30	16.48	37.84	35.65	140	52	Peak	VERTICAL
2	15719.44	49.79	54.00	-4.21	31.12	16.48	37.84	35.65	140	52	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.38	58.14	74.00	-15.86	40.05	14.24	39.20	35.35	150	65	Peak	HORIZONTAL
2	11490.56	45.53	54.00	-8.47	27.44	14.24	39.20	35.35	150	65	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.83	45.70	54.00	-8.30	27.61	14.24	39.20	35.35	146	93	Average	VERTICAL
2	11490.02	58.15	74.00	-15.85	40.06	14.24	39.20	35.35	146	93	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11570.19	58.07	74.00	-15.93	39.89	14.35	39.20	35.37	143	102	Peak	HORIZONTAL
2	11570.81	45.44	54.00	-8.56	27.26	14.35	39.20	35.37	143	102	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11570.78	58.54	74.00	-15.46	40.36	14.35	39.20	35.37	145	76	Peak	VERTICAL
2	11570.91	45.49	54.00	-8.51	27.31	14.35	39.20	35.37	145	76	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11649.58	46.49	54.00	-7.51	28.23	14.45	39.20	35.39	137	47 Average	HORIZONTAL
2	11650.85	59.37	74.00	-14.63	41.05	14.51	39.20	35.39	137	47 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11649.06	59.38	74.00	-14.62	41.12	14.45	39.20	35.39	140	77 Peak	VERTICAL
2	11649.69	46.37	54.00	-7.63	28.11	14.45	39.20	35.39	140	77 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15569.49	62.78	74.00	-11.22	43.95	16.40	38.05	35.62	148	128	Peak
2	15570.17	49.95	54.00	-4.05	31.12	16.40	38.05	35.62	148	128	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15569.82	62.92	74.00	-11.08	44.09	16.40	38.05	35.62	152	88	Peak
2	15570.08	50.09	54.00	-3.91	31.26	16.40	38.05	35.62	152	88	Average

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15689.31	49.78	54.00	-4.22	31.06	16.45	37.91	35.64	149	125	Average	HORIZONTAL
2	15690.17	62.40	74.00	-11.60	43.68	16.45	37.91	35.64	149	125	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15689.64	62.59	74.00	-11.41	43.87	16.45	37.91	35.64	152	152	Peak	VERTICAL
2	15689.67	49.69	54.00	-4.31	30.97	16.45	37.91	35.64	152	152	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11509.05	58.21	74.00	-15.79	40.13	14.24	39.20	35.36	136	104	Peak
2	11509.34	45.31	54.00	-8.69	27.23	14.24	39.20	35.36	136	104	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11510.42	45.38	54.00	-8.62	27.30	14.24	39.20	35.36	132	48	Average
2	11510.68	58.64	74.00	-15.36	40.56	14.24	39.20	35.36	132	48	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11590.11	45.87	54.00	-8.13	27.65	14.40	39.20	35.38	144	97 Average	HORIZONTAL
2	11590.67	58.60	74.00	-15.40	40.38	14.40	39.20	35.38	144	97 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11590.54	58.58	74.00	-15.42	40.36	14.40	39.20	35.38	146	127 Peak	VERTICAL
2	11590.62	45.77	54.00	-8.23	27.55	14.40	39.20	35.38	146	127 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15629.49	49.64	54.00	-4.36	30.86	16.43	37.98	35.63	134	59 Average	HORIZONTAL
2	15629.49	62.91	74.00	-11.09	44.13	16.43	37.98	35.63	134	59 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15630.73	49.58	54.00	-4.42	30.80	16.43	37.98	35.63	133	35 Average	VERTICAL
2	15630.77	62.23	74.00	-11.77	43.45	16.43	37.98	35.63	133	35 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.17	58.10	74.00	-15.90	39.98	14.29	39.20	35.37	144	116	Peak	HORIZONTAL
2	11550.56	45.51	54.00	-8.49	27.33	14.35	39.20	35.37	144	116	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.55	45.56	54.00	-8.44	27.44	14.29	39.20	35.37	183	119	Average	VERTICAL
2	11550.80	58.65	74.00	-15.35	40.47	14.35	39.20	35.37	183	119	Peak	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.68	63.79	74.00	-10.21	44.91	16.37	38.13	35.62	100	165	Peak	HORIZONTAL
2	15539.82	49.78	54.00	-4.22	30.90	16.37	38.13	35.62	100	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15539.30	49.22	54.00	-4.78	30.34	16.37	38.13	35.62	104	174	Average
2	15540.12	63.24	74.00	-10.76	44.36	16.37	38.13	35.62	104	174	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15599.94	63.49	74.00	-10.51	44.66	16.40	38.05	35.62	108	137	Peak
2	15600.66	49.52	54.00	-4.48	30.73	16.43	37.98	35.62	108	137	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15599.17	63.43	74.00	-10.57	44.60	16.40	38.05	35.62	108	147	Peak
2	15599.24	49.67	54.00	-4.33	30.84	16.40	38.05	35.62	108	147	Average

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15720.37	49.61	54.00	-4.39	30.94	16.48	37.84	35.65	108	127	Average	HORIZONTAL
2	15720.80	63.05	74.00	-10.95	44.38	16.48	37.84	35.65	108	127	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15719.96	63.07	74.00	-10.93	44.40	16.48	37.84	35.65	120	109	Peak
2	15720.24	49.24	54.00	-4.76	30.57	16.48	37.84	35.65	120	109	Average

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11490.40	46.47	54.00	-7.53	28.38	14.24	39.20	35.35	161	123	Average
2	11490.58	59.85	74.00	-14.15	41.76	14.24	39.20	35.35	161	123	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.74	46.66	54.00	-7.34	28.57	14.24	39.20	35.35	160	79	Average	VERTICAL
2	11490.59	58.89	74.00	-15.11	40.80	14.24	39.20	35.35	160	79	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

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	11570.87	59.13	74.00	-14.87	40.95	14.35	39.20	35.37	156	104	Peak	HORIZONTAL
2	11570.90	46.40	54.00	-7.60	28.22	14.35	39.20	35.37	156	104	Average	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	11570.66	46.25	54.00	-7.75	28.07	14.35	39.20	35.37	153	120	Average	VERTICAL
2	11570.70	59.23	74.00	-14.77	41.05	14.35	39.20	35.37	153	120	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11570.44	46.27	54.00	-7.73	28.09	14.35	39.20	35.37	156	170	Average
2	11570.96	59.04	74.00	-14.96	40.86	14.35	39.20	35.37	156	170	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.76	59.22	74.00	-14.78	41.04	14.35	39.20	35.37	156	129	Peak	VERTICAL
2	11570.40	46.41	54.00	-7.59	28.23	14.35	39.20	35.37	156	129	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.16	63.15	74.00	-10.85	44.32	16.40	38.05	35.62	154	153	Peak	HORIZONTAL
2	15570.29	49.69	54.00	-4.31	30.86	16.40	38.05	35.62	154	153	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15569.99	49.65	54.00	-4.35	30.82	16.40	38.05	35.62	158	106	Average
2	15570.32	63.51	74.00	-10.49	44.68	16.40	38.05	35.62	158	106	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15690.51	62.89	74.00	-11.11	44.17	16.45	37.91	35.64	156	58 Peak	HORIZONTAL
2	15690.95	49.90	54.00	-4.10	31.22	16.48	37.84	35.64	156	58 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15689.24	49.27	54.00	-4.73	30.55	16.45	37.91	35.64	156	77 Average	VERTICAL
2	15690.74	62.98	74.00	-11.02	44.26	16.45	37.91	35.64	156	77 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11502.16	58.41	74.00	-15.59	40.32	14.24	39.20	35.35	137	130	Peak	HORIZONTAL
2	11513.96	45.96	54.00	-8.04	27.88	14.24	39.20	35.36	137	130	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11508.64	58.39	74.00	-15.61	40.30	14.24	39.20	35.35	141	110	Peak	VERTICAL
2	11518.64	45.78	54.00	-8.22	27.65	14.29	39.20	35.36	141	110	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11594.04	58.73	74.00	-15.27	40.51	14.40	39.20	35.38	156	65	Peak	HORIZONTAL
2	11599.84	46.51	54.00	-7.49	28.29	14.40	39.20	35.38	156	65	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11596.24	46.49	54.00	-7.51	28.27	14.40	39.20	35.38	141	58	Average
2	11597.68	58.93	74.00	-15.07	40.71	14.40	39.20	35.38	141	58	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15621.88	62.82	74.00	-11.18	44.04	16.43	37.98	35.63	158	72	Peak
2	15633.76	49.07	54.00	-4.93	30.29	16.43	37.98	35.63	158	72	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15623.00	49.22	54.00	-4.78	30.44	16.43	37.98	35.63	162	85	Average
2	15633.08	62.56	74.00	-11.44	43.78	16.43	37.98	35.63	162	85	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11559.60	46.12	54.00	-7.88	27.94	14.35	39.20	35.37	151	260	Average	HORIZONTAL
2	11559.72	58.37	74.00	-15.63	40.19	14.35	39.20	35.37	151	260	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11541.68	45.93	54.00	-8.07	27.80	14.29	39.20	35.36	149	238	Average	VERTICAL
2	11547.36	58.32	74.00	-15.68	40.20	14.29	39.20	35.37	149	238	Peak	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15540.21	49.88	54.00	-4.12	31.00	16.37	38.13	35.62	144	58	Average	HORIZONTAL
2	15540.83	64.60	74.00	-9.40	45.72	16.37	38.13	35.62	144	58	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15540.21	64.55	74.00	-9.45	45.67	16.37	38.13	35.62	147	104	Peak	VERTICAL
2	15540.81	49.67	54.00	-4.33	30.79	16.37	38.13	35.62	147	104	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15600.86	49.52	54.00	-4.48	30.73	16.43	37.98	35.62	147	14	Average	HORIZONTAL
2	15600.92	63.85	74.00	-10.15	45.06	16.43	37.98	35.62	147	14	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.24	49.68	54.00	-4.32	30.85	16.40	38.05	35.62	136	44	Average	VERTICAL
2	15600.28	64.11	74.00	-9.89	45.28	16.40	38.05	35.62	136	44	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

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	15719.46	62.72	74.00	-11.28	44.05	16.48	37.84	35.65	142	83	Peak	HORIZONTAL
2	15720.32	49.91	54.00	-4.09	31.24	16.48	37.84	35.65	142	83	Average	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	15719.78	49.72	54.00	-4.28	31.05	16.48	37.84	35.65	145	113	Average	VERTICAL
2	15719.92	62.38	74.00	-11.62	43.71	16.48	37.84	35.65	145	113	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.02	45.33	54.00	-8.67	27.24	14.24	39.20	35.35	100	209	Average	HORIZONTAL
2	11490.70	57.77	74.00	-16.23	39.68	14.24	39.20	35.35	100	209	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.34	57.97	74.00	-16.03	39.88	14.24	39.20	35.35	125	205	Peak	VERTICAL
2	11490.42	45.45	54.00	-8.55	27.36	14.24	39.20	35.35	125	205	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.00	44.94	54.00	-9.06	26.76	14.35	39.20	35.37	124	301	Average	HORIZONTAL
2	11569.06	59.00	74.00	-15.00	40.82	14.35	39.20	35.37	124	301	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.76	58.09	74.00	-15.91	39.91	14.35	39.20	35.37	124	254	Peak	VERTICAL
2	11570.19	45.49	54.00	-8.51	27.31	14.35	39.20	35.37	124	254	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.31	46.50	54.00	-7.50	28.24	14.45	39.20	35.39	126	262	Average	HORIZONTAL
2	11649.40	59.57	74.00	-14.43	41.31	14.45	39.20	35.39	126	262	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.44	59.17	74.00	-14.83	40.91	14.45	39.20	35.39	130	228	Peak	VERTICAL
2	11649.50	46.58	54.00	-7.42	28.32	14.45	39.20	35.39	130	228	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.44	63.31	74.00	-10.69	44.48	16.40	38.05	35.62	140	141	Peak	HORIZONTAL
2	15569.85	49.86	54.00	-4.14	31.03	16.40	38.05	35.62	140	141	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15570.55	62.74	74.00	-11.26	43.91	16.40	38.05	35.62	143	168	Peak	VERTICAL
2	15570.71	50.06	54.00	-3.94	31.23	16.40	38.05	35.62	143	168	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15690.34	49.74	54.00	-4.26	31.02	16.45	37.91	35.64	143	79	Average	HORIZONTAL
2	15690.78	62.69	74.00	-11.31	43.97	16.45	37.91	35.64	143	79	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15689.21	49.77	54.00	-4.23	31.05	16.45	37.91	35.64	188	117	Average	VERTICAL
2	15690.26	63.12	74.00	-10.88	44.40	16.45	37.91	35.64	188	117	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11509.19	58.18	74.00	-15.82	40.10	14.24	39.20	35.36	142	60 Peak	HORIZONTAL
2	11509.73	45.34	54.00	-8.66	27.26	14.24	39.20	35.36	142	60 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11509.75	45.57	54.00	-8.43	27.49	14.24	39.20	35.36	142	75 Average	VERTICAL
2	11510.39	58.10	74.00	-15.90	40.02	14.24	39.20	35.36	142	75 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

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	11589.72	58.78	74.00	-15.22	40.56	14.40	39.20	35.38	145	66	Peak	HORIZONTAL
2	11590.76	45.84	54.00	-8.16	27.62	14.40	39.20	35.38	145	66	Average	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	11589.21	58.47	74.00	-15.53	40.25	14.40	39.20	35.38	143	96	Peak	VERTICAL
2	11590.75	45.80	54.00	-8.20	27.58	14.40	39.20	35.38	143	96	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.05	49.56	54.00	-4.44	30.78	16.43	37.98	35.63	159	103	Average	HORIZONTAL
2	15629.37	63.11	74.00	-10.89	44.33	16.43	37.98	35.63	159	103	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.14	49.66	54.00	-4.34	30.88	16.43	37.98	35.63	139	72	Average	VERTICAL
2	15630.67	62.39	74.00	-11.61	43.61	16.43	37.98	35.63	139	72	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.26	45.52	54.00	-8.48	27.40	14.29	39.20	35.37	132	176	Average	HORIZONTAL
2	11550.46	58.53	74.00	-15.47	40.35	14.35	39.20	35.37	132	176	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.09	45.49	54.00	-8.51	27.37	14.29	39.20	35.37	135	151	Average	VERTICAL
2	11549.98	58.01	74.00	-15.99	39.89	14.29	39.20	35.37	135	151	Peak	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

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	15539.23	63.24	74.00	-10.76	44.36	16.37	38.13	35.62	148	0	Peak	HORIZONTAL
2	15540.59	49.35	54.00	-4.65	30.47	16.37	38.13	35.62	148	0	Average	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	15539.78	49.28	54.00	-4.72	30.40	16.37	38.13	35.62	148	63	Average	VERTICAL
2	15539.90	63.65	74.00	-10.35	44.77	16.37	38.13	35.62	148	63	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.08	49.06	54.00	-4.94	30.23	16.40	38.05	35.62	149	223	Average	HORIZONTAL
2	15600.97	62.85	74.00	-11.15	44.06	16.43	37.98	35.62	149	223	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15599.72	49.91	54.00	-4.09	31.08	16.40	38.05	35.62	146	268	Average
2	15599.75	63.05	74.00	-10.95	44.22	16.40	38.05	35.62	146	268	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.26	49.89	54.00	-4.11	31.22	16.48	37.84	35.65	147	217	Average	HORIZONTAL
2	15719.49	62.69	74.00	-11.31	44.02	16.48	37.84	35.65	147	217	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.22	63.31	74.00	-10.69	44.64	16.48	37.84	35.65	170	228	Peak	VERTICAL
2	15720.85	49.82	54.00	-4.18	31.15	16.48	37.84	35.65	170	228	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

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	11489.46	58.69	74.00	-15.31	40.60	14.24	39.20	35.35	137	49	Peak	HORIZONTAL
2	11490.66	45.39	54.00	-8.61	27.30	14.24	39.20	35.35	137	49	Average	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	11490.79	58.07	74.00	-15.93	39.98	14.24	39.20	35.35	141	104	Peak	VERTICAL
2	11490.97	45.35	54.00	-8.65	27.26	14.24	39.20	35.35	141	104	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.07	57.74	74.00	-16.26	39.56	14.35	39.20	35.37	143	114	Peak	HORIZONTAL
2	11570.99	45.69	54.00	-8.31	27.51	14.35	39.20	35.37	143	114	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.84	45.28	54.00	-8.72	27.10	14.35	39.20	35.37	141	91	Average	VERTICAL
2	11570.13	58.58	74.00	-15.42	40.40	14.35	39.20	35.37	141	91	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.37	46.68	54.00	-7.32	28.42	14.45	39.20	35.39	162	147	Average	HORIZONTAL
2	11649.56	59.15	74.00	-14.85	40.89	14.45	39.20	35.39	162	147	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.58	46.55	54.00	-7.45	28.29	14.45	39.20	35.39	139	88	Average	VERTICAL
2	11650.52	59.26	74.00	-14.74	41.00	14.45	39.20	35.39	139	88	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.12	50.25	54.00	-3.75	31.42	16.40	38.05	35.62	155	73	Average	HORIZONTAL
2	15569.20	62.81	74.00	-11.19	43.98	16.40	38.05	35.62	155	73	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15570.18	49.99	54.00	-4.01	31.16	16.40	38.05	35.62	153	110	Average
2	15570.53	63.97	74.00	-10.03	45.14	16.40	38.05	35.62	153	110	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15689.36	62.84	74.00	-11.16	44.12	16.45	37.91	35.64	158	57 Peak	HORIZONTAL
2	15689.45	49.61	54.00	-4.39	30.89	16.45	37.91	35.64	158	57 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15689.66	49.63	54.00	-4.37	30.91	16.45	37.91	35.64	162	22 Average	VERTICAL
2	15690.83	62.65	74.00	-11.35	43.93	16.45	37.91	35.64	162	22 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11509.24	58.43	74.00	-15.57	40.35	14.24	39.20	35.36	180	144	Peak
2	11509.67	45.25	54.00	-8.75	27.17	14.24	39.20	35.36	180	144	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11509.72	58.37	74.00	-15.63	40.29	14.24	39.20	35.36	182	189	Peak
2	11510.85	45.35	54.00	-8.65	27.27	14.24	39.20	35.36	182	189	Average

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11589.17	58.44	74.00	-15.56	40.22	14.40	39.20	35.38	176	96	Peak	HORIZONTAL
2	11590.94	46.01	54.00	-7.99	27.79	14.40	39.20	35.38	176	96	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.09	45.82	54.00	-8.18	27.60	14.40	39.20	35.38	171	59	Average	VERTICAL
2	11590.11	59.10	74.00	-14.90	40.88	14.40	39.20	35.38	171	59	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.53	62.55	74.00	-11.45	43.77	16.43	37.98	35.63	166	125	Peak	HORIZONTAL
2	15629.85	49.17	54.00	-4.83	30.39	16.43	37.98	35.63	166	125	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.68	62.38	74.00	-11.62	43.60	16.43	37.98	35.63	169	79	Peak	VERTICAL
2	15630.86	49.58	54.00	-4.42	30.80	16.43	37.98	35.63	169	79	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.23	45.43	54.00	-8.57	27.31	14.29	39.20	35.37	152	145	Average	HORIZONTAL
2	11550.43	58.50	74.00	-15.50	40.32	14.35	39.20	35.37	152	145	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.93	58.31	74.00	-15.69	40.19	14.29	39.20	35.37	149	125	Peak	VERTICAL
2	11550.91	45.62	54.00	-8.38	27.44	14.35	39.20	35.37	149	125	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15533.28	49.02	54.00	-4.98	30.14	16.37	38.13	35.62	146	177	Average	HORIZONTAL
2	15538.96	63.63	74.00	-10.37	44.75	16.37	38.13	35.62	146	177	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15540.40	49.06	54.00	-4.94	30.18	16.37	38.13	35.62	157	114	Average	VERTICAL
2	15543.44	63.75	74.00	-10.25	44.87	16.37	38.13	35.62	157	114	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15594.28	49.81	54.00	-4.19	30.98	16.40	38.05	35.62	157	53	Average	HORIZONTAL
2	15594.72	63.40	74.00	-10.60	44.57	16.40	38.05	35.62	157	53	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15592.04	49.87	54.00	-4.13	31.04	16.40	38.05	35.62	144	49	Average	VERTICAL
2	15599.28	63.39	74.00	-10.61	44.56	16.40	38.05	35.62	144	49	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

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	15717.84	63.10	74.00	-10.90	44.43	16.48	37.84	35.65	162	90	Peak	HORIZONTAL
2	15724.80	49.50	54.00	-4.50	30.83	16.48	37.84	35.65	162	90	Average	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	15725.28	49.59	54.00	-4.41	30.92	16.48	37.84	35.65	121	170	Average	VERTICAL
2	15729.96	63.96	74.00	-10.04	45.29	16.48	37.84	35.65	121	170	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11481.92	57.84	74.00	-16.16	39.85	14.19	39.15	35.35	142	61 Peak	HORIZONTAL
2	11499.44	45.78	54.00	-8.22	27.69	14.24	39.20	35.35	142	61 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11491.64	58.17	74.00	-15.83	40.08	14.24	39.20	35.35	132	110 Peak	VERTICAL
2	11493.44	45.79	54.00	-8.21	27.70	14.24	39.20	35.35	132	110 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna 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	11573.28	59.05	74.00	-14.95	40.87	14.35	39.20	35.37	135	85	Peak	HORIZONTAL
2	11576.48	45.75	54.00	-8.25	27.57	14.35	39.20	35.37	135	85	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna 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	11578.52	45.96	54.00	-8.04	27.78	14.35	39.20	35.37	137	66	Average	VERTICAL
2	11579.84	58.21	74.00	-15.79	40.03	14.35	39.20	35.37	137	66	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11657.36	46.96	54.00	-7.04	28.64	14.51	39.20	35.39	157	148	Average	HORIZONTAL
2	11657.56	58.69	74.00	-15.31	40.37	14.51	39.20	35.39	157	148	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11646.80	59.03	74.00	-14.97	40.77	14.45	39.20	35.39	156	184	Peak	VERTICAL
2	11659.96	46.89	54.00	-7.11	28.57	14.51	39.20	35.39	156	184	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

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	15564.36	62.51	74.00	-11.49	43.68	16.40	38.05	35.62	152	102	Peak	HORIZONTAL
2	15567.84	49.78	54.00	-4.22	30.95	16.40	38.05	35.62	152	102	Average	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	15567.60	49.74	54.00	-4.26	30.91	16.40	38.05	35.62	152	139	Average	VERTICAL
2	15577.04	62.73	74.00	-11.27	43.90	16.40	38.05	35.62	152	139	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15681.52	49.15	54.00	-4.85	30.43	16.45	37.91	35.64	130	122	Average	HORIZONTAL
2	15697.08	63.08	74.00	-10.92	44.40	16.48	37.84	35.64	130	122	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15686.40	49.92	54.00	-4.08	31.20	16.45	37.91	35.64	168	163	Average	VERTICAL
2	15688.28	62.50	74.00	-11.50	43.78	16.45	37.91	35.64	168	163	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11505.84	45.68	54.00	-8.32	27.59	14.24	39.20	35.35	145	199	Average	HORIZONTAL
2	11511.12	58.00	74.00	-16.00	39.92	14.24	39.20	35.36	145	199	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11501.68	45.65	54.00	-8.35	27.56	14.24	39.20	35.35	147	221	Average	VERTICAL
2	11514.60	58.95	74.00	-15.05	40.87	14.24	39.20	35.36	147	221	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.00	59.20	74.00	-14.80	40.98	14.40	39.20	35.38	152	193	Peak	HORIZONTAL
2	11599.08	46.23	54.00	-7.77	28.01	14.40	39.20	35.38	152	193	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11595.16	58.45	74.00	-15.55	40.23	14.40	39.20	35.38	150	161	Peak	VERTICAL
2	11599.56	46.34	54.00	-7.66	28.12	14.40	39.20	35.38	150	161	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15620.28	62.89	74.00	-11.11	44.11	16.43	37.98	35.63	143	140 Peak	HORIZONTAL
2	15624.96	49.14	54.00	-4.86	30.36	16.43	37.98	35.63	143	140 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15638.32	63.08	74.00	-10.92	44.30	16.43	37.98	35.63	144	113 Peak	VERTICAL
2	15638.92	49.24	54.00	-4.76	30.46	16.43	37.98	35.63	144	113 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11554.84	58.23	74.00	-15.77	40.05	14.35	39.20	35.37	203	172	Peak	HORIZONTAL
2	11557.08	46.00	54.00	-8.00	27.82	14.35	39.20	35.37	203	172	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11541.80	58.50	74.00	-15.50	40.37	14.29	39.20	35.36	203	157	Peak	VERTICAL
2	11553.04	45.86	54.00	-8.14	27.68	14.35	39.20	35.37	203	157	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.85	49.98	54.00	-4.02	31.10	16.37	38.13	35.62	151	13	Average	HORIZONTAL
2	15540.10	63.38	74.00	-10.62	44.50	16.37	38.13	35.62	151	13	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.18	63.95	74.00	-10.05	45.07	16.37	38.13	35.62	153	24	Peak	VERTICAL
2	15539.63	49.89	54.00	-4.11	31.01	16.37	38.13	35.62	153	24	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15600.33	49.70	54.00	-4.30	30.87	16.40	38.05	35.62	157	50 Average	HORIZONTAL
2	15600.46	63.00	74.00	-11.00	44.21	16.43	37.98	35.62	157	50 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15599.00	49.38	54.00	-4.62	30.55	16.40	38.05	35.62	123	56 Average	VERTICAL
2	15599.67	63.51	74.00	-10.49	44.68	16.40	38.05	35.62	123	56 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.76	63.03	74.00	-10.97	44.36	16.48	37.84	35.65	146	282	Peak	HORIZONTAL
2	15720.57	49.20	54.00	-4.80	30.53	16.48	37.84	35.65	146	282	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15720.31	62.89	74.00	-11.11	44.22	16.48	37.84	35.65	142	309	Peak	VERTICAL
2	15720.99	49.33	54.00	-4.67	30.66	16.48	37.84	35.65	142	309	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

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	11490.07	58.51	74.00	-15.49	40.42	14.24	39.20	35.35	151	143	Peak	HORIZONTAL
2	11490.52	45.74	54.00	-8.26	27.65	14.24	39.20	35.35	151	143	Average	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	11490.21	45.60	54.00	-8.40	27.51	14.24	39.20	35.35	134	33	Average	VERTICAL
2	11490.65	58.36	74.00	-15.64	40.27	14.24	39.20	35.35	134	33	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.34	45.48	54.00	-8.52	27.30	14.35	39.20	35.37	150	146	Average	HORIZONTAL
2	11570.84	58.36	74.00	-15.64	40.18	14.35	39.20	35.37	150	146	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.57	58.57	74.00	-15.43	40.39	14.35	39.20	35.37	153	139	Peak	VERTICAL
2	11570.67	45.52	54.00	-8.48	27.34	14.35	39.20	35.37	153	139	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

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	11650.84	59.77	74.00	-14.23	41.45	14.51	39.20	35.39	153	281	Peak	HORIZONTAL
2	11651.00	46.59	54.00	-7.41	28.27	14.51	39.20	35.39	153	281	Average	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	11650.54	46.62	54.00	-7.38	28.36	14.45	39.20	35.39	151	232	Average	VERTICAL
2	11650.74	59.03	74.00	-14.97	40.77	14.45	39.20	35.39	151	232	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15570.50	62.70	74.00	-11.30	43.87	16.40	38.05	35.62	148	73	Peak	HORIZONTAL
2	15570.60	49.48	54.00	-4.52	30.65	16.40	38.05	35.62	148	73	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.90	63.46	74.00	-10.54	44.63	16.40	38.05	35.62	152	112	Peak	VERTICAL
2	15570.32	49.83	54.00	-4.17	31.00	16.40	38.05	35.62	152	112	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15690.57	62.65	74.00	-11.35	43.93	16.45	37.91	35.64	152	154	Peak	HORIZONTAL
2	15690.66	49.96	54.00	-4.04	31.24	16.45	37.91	35.64	152	154	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15690.12	62.86	74.00	-11.14	44.14	16.45	37.91	35.64	152	136	Peak	VERTICAL
2	15690.80	49.81	54.00	-4.19	31.09	16.45	37.91	35.64	152	136	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11509.24	45.71	54.00	-8.29	27.63	14.24	39.20	35.36	131	189	Average	HORIZONTAL
2	11510.59	58.08	74.00	-15.92	40.00	14.24	39.20	35.36	131	189	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11510.59	45.56	54.00	-8.44	27.48	14.24	39.20	35.36	182	228	Average	VERTICAL
2	11510.78	58.90	74.00	-15.10	40.82	14.24	39.20	35.36	182	228	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

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	11589.18	58.95	74.00	-15.05	40.73	14.40	39.20	35.38	158	264	Peak	HORIZONTAL
2	11590.91	45.49	54.00	-8.51	27.27	14.40	39.20	35.38	158	264	Average	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	11590.18	58.71	74.00	-15.29	40.49	14.40	39.20	35.38	177	331	Peak	VERTICAL
2	11590.50	45.82	54.00	-8.18	27.60	14.40	39.20	35.38	177	331	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.98	62.04	74.00	-11.96	43.26	16.43	37.98	35.63	156	259	Peak	HORIZONTAL
2	15630.83	49.85	54.00	-4.15	31.07	16.43	37.98	35.63	156	259	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.24	62.55	74.00	-11.45	43.77	16.43	37.98	35.63	152	216	Peak	VERTICAL
2	15630.68	49.83	54.00	-4.17	31.05	16.43	37.98	35.63	152	216	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 04, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

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	11549.52	58.47	74.00	-15.53	40.35	14.29	39.20	35.37	153	174	Peak	HORIZONTAL
2	11550.14	45.87	54.00	-8.13	27.75	14.29	39.20	35.37	153	174	Average	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	11549.43	58.96	74.00	-15.04	40.84	14.29	39.20	35.37	154	166	Peak	VERTICAL
2	11550.27	45.83	54.00	-8.17	27.65	14.35	39.20	35.37	154	166	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15536.60	48.79	54.00	-5.21	31.94	14.34	38.13	35.62	149	217	Average
2	15546.80	61.10	74.00	-12.90	44.25	14.34	38.13	35.62	149	217	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15531.56	48.72	54.00	-5.28	31.87	14.34	38.13	35.62	144	192	Average	VERTICAL
2	15541.80	60.88	74.00	-13.12	44.03	14.34	38.13	35.62	144	192	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15592.44	48.50	54.00	-5.50	31.71	14.36	38.05	35.62	139	144	Average	HORIZONTAL
2	15598.64	60.94	74.00	-13.06	44.15	14.36	38.05	35.62	139	144	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15591.60	48.54	54.00	-5.46	31.75	14.36	38.05	35.62	140	163	Average	VERTICAL
2	15592.92	61.01	74.00	-12.99	44.22	14.36	38.05	35.62	140	163	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15714.88	60.64	74.00	-13.36	44.04	14.41	37.84	35.65	142	94 Peak	HORIZONTAL
2	15718.00	48.29	54.00	-5.71	31.69	14.41	37.84	35.65	142	94 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15713.96	60.44	74.00	-13.56	43.84	14.41	37.84	35.65	150	170 Peak	VERTICAL
2	15723.68	48.23	54.00	-5.77	31.63	14.41	37.84	35.65	150	170 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

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	11482.96	56.67	74.00	-17.33	40.01	12.86	39.15	35.35	159	125	Peak	HORIZONTAL
2	11494.60	44.23	54.00	-9.77	27.48	12.90	39.20	35.35	159	125	Average	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	11490.92	44.31	54.00	-9.69	27.56	12.90	39.20	35.35	159	124	Average	VERTICAL
2	11493.12	57.27	74.00	-16.73	40.52	12.90	39.20	35.35	159	124	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

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	11570.64	56.49	74.00	-17.51	39.67	12.99	39.20	35.37	156	127	Peak	HORIZONTAL
2	11577.04	44.63	54.00	-9.37	27.81	12.99	39.20	35.37	156	127	Average	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	11564.56	57.07	74.00	-16.93	40.25	12.99	39.20	35.37	164	165	Peak	VERTICAL
2	11578.08	44.48	54.00	-9.52	27.66	12.99	39.20	35.37	164	165	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

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	11644.80	57.85	74.00	-16.15	40.96	13.08	39.20	35.39	149	112	Peak	HORIZONTAL
2	11651.72	45.55	54.00	-8.45	28.61	13.13	39.20	35.39	149	112	Average	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	11652.36	58.36	74.00	-15.64	41.42	13.13	39.20	35.39	145	74	Peak	VERTICAL
2	11658.64	45.44	54.00	-8.56	28.50	13.13	39.20	35.39	145	74	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15564.88	48.36	54.00	-5.64	31.57	14.36	38.05	35.62	136	127	Average
2	15573.08	61.47	74.00	-12.53	44.68	14.36	38.05	35.62	136	127	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15563.72	61.91	74.00	-12.09	45.12	14.36	38.05	35.62	148	96	Peak	VERTICAL
2	15576.56	48.48	54.00	-5.52	31.69	14.36	38.05	35.62	148	96	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15680.00	60.58	74.00	-13.42	43.92	14.39	37.91	35.64	143	181	Peak	HORIZONTAL
2	15681.08	47.98	54.00	-6.02	31.32	14.39	37.91	35.64	143	181	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15682.72	47.86	54.00	-6.14	31.20	14.39	37.91	35.64	148	215	Average	VERTICAL
2	15695.88	59.86	74.00	-14.14	43.25	14.41	37.84	35.64	148	215	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11506.88	44.10	54.00	-9.90	27.35	12.90	39.20	35.35	227	78 Average	HORIZONTAL
2	11516.96	56.50	74.00	-17.50	39.71	12.95	39.20	35.36	227	78 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11503.80	57.70	74.00	-16.30	40.95	12.90	39.20	35.35	230	226 Peak	VERTICAL
2	11507.08	44.21	54.00	-9.79	27.46	12.90	39.20	35.35	230	226 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

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	11593.68	56.79	74.00	-17.21	39.93	13.04	39.20	35.38	229	41	Peak	HORIZONTAL
2	11596.32	44.83	54.00	-9.17	27.97	13.04	39.20	35.38	229	41	Average	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	11590.12	44.58	54.00	-9.42	27.72	13.04	39.20	35.38	233	34	Average	VERTICAL
2	11597.64	57.30	74.00	-16.70	40.44	13.04	39.20	35.38	233	34	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15633.68	60.46	74.00	-13.54	43.73	14.38	37.98	35.63	219	100	Peak	HORIZONTAL
2	15638.12	47.94	54.00	-6.06	31.21	14.38	37.98	35.63	219	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15624.80	59.91	74.00	-14.09	43.18	14.38	37.98	35.63	212	239	Peak	VERTICAL
2	15638.80	47.90	54.00	-6.10	31.17	14.38	37.98	35.63	212	239	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11541.84	44.25	54.00	-9.75	27.46	12.95	39.20	35.36	148	180	Average	HORIZONTAL
2	11543.32	57.02	74.00	-16.98	40.23	12.95	39.20	35.36	148	180	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11550.92	57.38	74.00	-16.62	40.56	12.99	39.20	35.37	164	127	Peak	VERTICAL
2	11554.36	44.29	54.00	-9.71	27.47	12.99	39.20	35.37	164	127	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15533.72	49.56	54.00	-4.44	28.79	16.37	38.13	33.73	187	42	Average	HORIZONTAL
2	15545.24	62.80	74.00	-11.20	42.03	16.37	38.13	33.73	187	42	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15533.72	49.66	54.00	-4.34	28.89	16.37	38.13	33.73	176	50	Average
2	15536.40	63.47	74.00	-10.53	42.70	16.37	38.13	33.73	176	50	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15595.04	49.61	54.00	-4.39	28.93	16.40	38.05	33.77	193	50 Average	HORIZONTAL
2	15597.64	63.17	74.00	-10.83	42.49	16.40	38.05	33.77	193	50 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15602.32	49.10	54.00	-4.90	28.46	16.43	37.98	33.77	200	45 Average	VERTICAL
2	15605.92	61.47	74.00	-12.53	40.83	16.43	37.98	33.77	200	45 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15720.52	48.53	54.00	-5.47	28.13	16.48	37.84	33.92	202	70 Average	HORIZONTAL
2	15724.00	61.39	74.00	-12.61	40.99	16.48	37.84	33.92	202	70 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15723.72	48.74	54.00	-5.26	28.34	16.48	37.84	33.92	188	59 Average	VERTICAL
2	15724.92	61.48	74.00	-12.52	41.08	16.48	37.84	33.92	188	59 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11485.92	59.64	74.00	-14.36	39.57	14.24	39.20	33.37	249	144 Peak	HORIZONTAL
2	11491.24	45.56	54.00	-8.44	25.49	14.24	39.20	33.37	249	144 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11491.51	45.48	54.00	-8.52	25.41	14.24	39.20	33.37	243	155 Average	VERTICAL
2	11494.69	58.84	74.00	-15.16	38.77	14.24	39.20	33.37	243	155 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11572.63	60.43	74.00	-13.57	40.27	14.35	39.20	33.39	230	146 Peak	HORIZONTAL
2	11573.43	46.59	54.00	-7.41	26.43	14.35	39.20	33.39	230	146 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11569.28	47.31	54.00	-6.69	27.15	14.35	39.20	33.39	230	137 Average	VERTICAL
2	11573.43	59.72	74.00	-14.28	39.56	14.35	39.20	33.39	230	137 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11564.80	59.46	74.00	-14.54	39.30	14.35	39.20	33.39	228	24 Peak	HORIZONTAL
2	11575.09	47.30	54.00	-6.70	27.14	14.35	39.20	33.39	228	24 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11565.77	59.50	74.00	-14.50	39.34	14.35	39.20	33.39	220	28 Peak	VERTICAL
2	11569.60	46.39	54.00	-7.61	26.23	14.35	39.20	33.39	220	28 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15567.05	61.59	74.00	-12.41	40.91	16.40	38.05	33.77	206	45 Peak	HORIZONTAL
2	15572.86	47.87	54.00	-6.13	27.19	16.40	38.05	33.77	206	45 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15570.42	49.32	54.00	-4.68	28.64	16.40	38.05	33.77	211	40 Average	VERTICAL
2	15574.73	62.66	74.00	-11.34	41.98	16.40	38.05	33.77	211	40 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15692.10	61.95	74.00	-12.05	41.50	16.48	37.84	33.87	199	52 Peak	HORIZONTAL
2	15693.66	49.27	54.00	-4.73	28.82	16.48	37.84	33.87	199	52 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15691.41	62.47	74.00	-11.53	42.02	16.48	37.84	33.87	213	63 Peak	VERTICAL
2	15693.49	49.12	54.00	-4.88	28.67	16.48	37.84	33.87	213	63 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	11505.35	59.78	74.00	-14.22	39.71	14.24	39.20	33.37	233	183 Peak	HORIZONTAL
2	11514.21	46.73	54.00	-7.27	26.67	14.24	39.20	33.38	233	183 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	11509.94	59.86	74.00	-14.14	39.80	14.24	39.20	33.38	219	167 Peak	VERTICAL
2	11511.28	46.65	54.00	-7.35	26.59	14.24	39.20	33.38	219	167 Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11507.05	45.70	54.00	-8.30	25.63	14.24	39.20	33.37	238	180 Average	HORIZONTAL
2	11513.64	59.76	74.00	-14.24	39.70	14.24	39.20	33.38	238	180 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11509.52	45.26	54.00	-8.74	25.20	14.24	39.20	33.38	231	184 Average	VERTICAL
2	11509.75	58.88	74.00	-15.12	38.82	14.24	39.20	33.38	231	184 Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15627.79	48.83	54.00	-5.17	28.24	16.43	37.98	33.82	219	177	Average
2	15629.54	62.48	74.00	-11.52	41.89	16.43	37.98	33.82	219	177	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15627.29	48.38	54.00	-5.62	27.79	16.43	37.98	33.82	225	181	Average
2	15630.08	61.40	74.00	-12.60	40.81	16.43	37.98	33.82	225	181	Peak

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11553.35	59.88	74.00	-14.12	39.72	14.35	39.20	33.39	215	208	Peak	HORIZONTAL
2	11554.86	47.37	54.00	-6.63	27.21	14.35	39.20	33.39	215	208	Average	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	11551.64	47.20	54.00	-6.80	27.04	14.35	39.20	33.39	191	193	Average	VERTICAL
2	11553.32	60.22	74.00	-13.78	40.06	14.35	39.20	33.39	191	193	Peak	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)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 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

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5141.40	52.70	54.00	-1.30	44.52	8.09	33.72	33.63	175	357 Average	VERTICAL
2	5141.80	67.14	74.00	-6.86	58.88	8.15	33.74	33.63	175	357 Peak	VERTICAL
3	5181.00	110.60			102.17	8.26	33.79	33.62	175	357 Average	VERTICAL
4	5183.60	122.88			114.45	8.26	33.79	33.62	175	357 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5141.20	52.99	54.00	-1.01	44.81	8.09	33.72	33.63	175	357 Average	HORIZONTAL
2	5142.40	67.63	74.00	-6.37	59.37	8.15	33.74	33.63	175	357 Peak	HORIZONTAL
3	5196.00	113.88			105.36	8.32	33.82	33.62	175	357 Average	HORIZONTAL
4	5201.20	124.97			116.45	8.32	33.82	33.62	175	357 Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5137.40	47.56	54.00	-6.44	39.38	8.09	33.72	33.63	183	352 Average	HORIZONTAL
2	5150.00	60.03	74.00	-13.97	51.77	8.15	33.74	33.63	183	352 Peak	HORIZONTAL
3	5244.20	124.16			115.59	8.29	33.89	33.61	183	352 Peak	HORIZONTAL
4	5244.80	113.41			104.84	8.29	33.89	33.61	183	352 Average	HORIZONTAL
5	5357.80	61.14	74.00	-12.86	52.47	8.19	34.08	33.60	183	352 Peak	HORIZONTAL
6	5378.00	48.45	54.00	-5.55	39.76	8.18	34.11	33.60	183	352 Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.60	62.70	68.20	-5.50	53.36	8.51	34.43	33.60	180	351	Peak	HORIZONTAL
2	5724.60	76.90	78.20	-1.30	67.59	8.47	34.44	33.60	180	351	Peak	HORIZONTAL
3	5743.80	114.36			105.08	8.43	34.45	33.60	180	351	Peak	HORIZONTAL
4	5744.20	104.14			94.86	8.43	34.45	33.60	180	351	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	61.74	68.20	-6.46	52.40	8.51	34.43	33.60	170	358	Peak	HORIZONTAL
2	5724.20	64.30	78.20	-13.90	54.99	8.47	34.44	33.60	170	358	Peak	HORIZONTAL
3	5788.60	123.45			114.23	8.35	34.47	33.60	170	358	Peak	HORIZONTAL
4	5788.60	111.20			101.98	8.35	34.47	33.60	170	358	Average	HORIZONTAL
5	5852.80	61.84	78.20	-16.36	52.38	8.56	34.51	33.61	170	358	Peak	HORIZONTAL
6	5862.60	63.04	68.20	-5.16	53.49	8.64	34.52	33.61	170	358	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5821.40	119.17			109.90	8.39	34.49	33.61	205	352	Peak	HORIZONTAL
2	5824.00	107.50			98.14	8.47	34.50	33.61	205	352	Average	HORIZONTAL
3	5850.00	76.52	78.20	-1.68	67.06	8.56	34.51	33.61	205	352	Peak	HORIZONTAL
4	5860.40	64.79	68.20	-3.41	55.24	8.64	34.52	33.61	205	352	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 38

	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	5148.40	63.92	74.00	-10.08	55.66	8.15	33.74	33.63	181	355	Peak	VERTICAL
2	5150.00	52.64	54.00	-1.36	44.38	8.15	33.74	33.63	181	355	Average	VERTICAL
3	5187.60	111.44			102.92	8.32	33.82	33.62	181	355	Peak	VERTICAL
4	5196.80	100.51			91.99	8.32	33.82	33.62	181	355	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	68.00	74.00	-6.00	59.74	8.15	33.74	33.63	204	356	Peak	VERTICAL
2	5150.00	52.84	54.00	-1.16	44.58	8.15	33.74	33.63	204	356	Average	VERTICAL
3	5239.60	120.43			111.87	8.29	33.89	33.62	204	356	Peak	VERTICAL
4	5240.20	109.42			100.86	8.29	33.89	33.62	204	356	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	67.19	68.20	-1.01	57.85	8.51	34.43	33.60	176	350	Peak	HORIZONTAL
2	5724.20	73.95	78.20	-4.25	64.64	8.47	34.44	33.60	176	350	Peak	HORIZONTAL
3	5762.60	110.43			101.18	8.39	34.46	33.60	176	350	Peak	HORIZONTAL
4	5769.00	98.54			89.29	8.39	34.46	33.60	176	350	Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	67.17	68.20	-1.03	57.83	8.51	34.43	33.60	183	356	Peak	HORIZONTAL
2	5723.00	69.98	78.20	-8.22	60.67	8.47	34.44	33.60	183	356	Peak	HORIZONTAL
3	5787.20	105.29			96.07	8.35	34.47	33.60	183	356	Average	HORIZONTAL
4	5789.00	117.09			107.90	8.31	34.48	33.60	183	356	Peak	HORIZONTAL
5	5852.60	70.33	78.20	-7.87	60.87	8.56	34.51	33.61	183	356	Peak	HORIZONTAL
6	5864.00	66.33	68.20	-1.87	56.78	8.64	34.52	33.61	183	356	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5145.00	63.65	74.00	-10.35	55.39	8.15	33.74	33.63	171	5 Peak	VERTICAL
2	5146.00	52.31	54.00	-1.69	44.05	8.15	33.74	33.63	171	5 Average	VERTICAL
3	5182.00	96.10			87.67	8.26	33.79	33.62	171	5 Average	VERTICAL
4	5232.00	104.18			95.62	8.29	33.89	33.62	171	5 Peak	VERTICAL
5	5369.00	61.58	74.00	-12.42	52.91	8.19	34.08	33.60	171	5 Peak	VERTICAL
6	5454.00	48.60	54.00	-5.40	39.59	8.36	34.23	33.58	171	5 Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5710.00	67.15	68.20	-1.05	57.34	8.51	34.43	33.13	206	0 Peak	HORIZONTAL
2	5724.00	68.08	78.20	-10.12	58.30	8.47	34.44	33.13	206	0 Average	HORIZONTAL
3	5743.00	105.49			95.75	8.43	34.45	33.14	206	0 Peak	HORIZONTAL
4	5787.00	92.87			83.20	8.35	34.47	33.15	206	0 Average	HORIZONTAL
5	5858.00	62.53	78.20	-15.67	52.54	8.64	34.52	33.17	206	0 Peak	HORIZONTAL
6	5881.00	62.09	68.20	-6.11	52.02	8.72	34.53	33.18	206	0 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 36

	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	5146.20	63.07	74.00	-10.93	54.23	8.15	33.74	33.05	113	360	Peak	HORIZONTAL
2	5150.00	52.99	54.00	-1.01	44.15	8.15	33.74	33.05	113	360	Average	HORIZONTAL
3	5187.60	118.74			109.65	8.32	33.82	33.05	113	360	Peak	HORIZONTAL
4	5188.60	110.02			100.93	8.32	33.82	33.05	113	360	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	63.91	74.00	-10.09	55.07	8.15	33.74	33.05	133	338	Peak	VERTICAL
2	5148.80	51.25	54.00	-2.75	42.41	8.15	33.74	33.05	133	338	Average	VERTICAL
3	5205.20	114.91			105.81	8.31	33.84	33.05	133	338	Peak	VERTICAL
4	5205.20	105.10			96.00	8.31	33.84	33.05	133	338	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5142.80	60.65	74.00	-13.35	51.81	8.15	33.74	33.05	100	358	Peak	HORIZONTAL
2	5150.00	48.35	54.00	-5.65	39.51	8.15	33.74	33.05	100	358	Average	HORIZONTAL
3	5235.20	117.43			108.30	8.29	33.89	33.05	100	358	Peak	HORIZONTAL
4	5236.40	106.26			97.13	8.29	33.89	33.05	100	358	Average	HORIZONTAL
5	5350.00	49.20	54.00	-4.80	40.00	8.20	34.06	33.06	100	358	Average	HORIZONTAL
6	5373.80	62.92	74.00	-11.08	53.69	8.18	34.11	33.06	100	358	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.40	63.50	68.20	-4.70	53.69	8.51	34.43	33.13	103	353	Peak	HORIZONTAL
2	5724.60	77.19	78.20	-1.01	67.41	8.47	34.44	33.13	103	353	Peak	HORIZONTAL
3	5736.60	103.84			94.07	8.47	34.44	33.14	103	353	Average	HORIZONTAL
4	5738.80	113.39			103.65	8.43	34.45	33.14	103	353	Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5699.40	62.91	68.20	-5.29	53.06	8.56	34.42	33.13	101	358	Peak	HORIZONTAL
2	5718.60	63.88	78.20	-14.32	54.07	8.51	34.43	33.13	101	358	Peak	HORIZONTAL
3	5786.20	119.38			109.71	8.35	34.47	33.15	101	358	Peak	HORIZONTAL
4	5789.40	107.52			97.88	8.31	34.48	33.15	101	358	Average	HORIZONTAL
5	5850.00	62.48	78.20	-15.72	52.58	8.56	34.51	33.17	101	358	Peak	HORIZONTAL
6	5880.60	63.82	68.20	-4.38	53.75	8.72	34.53	33.18	101	358	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5818.00	103.48			93.76	8.39	34.49	33.16	104	359	Peak	HORIZONTAL
2	5821.00	115.21			105.50	8.39	34.49	33.17	104	359	Average	HORIZONTAL
3	5850.00	76.85	78.20	-1.35	66.95	8.56	34.51	33.17	104	359	Average	HORIZONTAL
4	5860.00	65.18	68.20	-3.02	55.20	8.64	34.52	33.18	104	359	Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.60	52.83	54.00	-1.17	43.99	8.15	33.74	33.05	182	8 Average	VERTICAL
2	5150.00	66.48	74.00	-7.52	57.64	8.15	33.74	33.05	182	8 Peak	VERTICAL
3	5180.40	94.91			85.91	8.26	33.79	33.05	182	8 Average	VERTICAL
4	5181.20	105.36			96.36	8.26	33.79	33.05	182	8 Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.40	52.73	54.00	-1.27	43.89	8.15	33.74	33.05	214	360 Average	VERTICAL
2	5148.80	63.78	74.00	-10.22	54.94	8.15	33.74	33.05	214	360 Peak	VERTICAL
3	5224.80	114.80			105.69	8.30	33.86	33.05	214	360 Peak	VERTICAL
4	5226.80	103.93			94.82	8.30	33.86	33.05	214	360 Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 11, 2015 ~ Dec. 23, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5713.00	67.16	68.20	-1.04	57.35	8.51	34.43	33.13	108	354 Peak	HORIZONTAL
2	5724.20	69.52	78.20	-8.68	59.74	8.47	34.44	33.13	108	354 Peak	HORIZONTAL
3	5738.20	94.92			85.15	8.47	34.44	33.14	108	354 Average	HORIZONTAL
4	5738.60	105.65			95.88	8.47	34.44	33.14	108	354 Peak	HORIZONTAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5708.60	63.89	68.20	-4.31	57.01	7.27	34.64	35.03 Peak	102	359	HORIZONTAL
2	5723.00	67.20	78.20	-11.00	60.31	7.27	34.65	35.03 Peak	102	359	HORIZONTAL
3	5782.40	112.98			106.10	7.27	34.66	35.05 Peak	102	359	HORIZONTAL
4	5787.80	100.95			94.07	7.27	34.66	35.05 Average	102	359	HORIZONTAL
5	5851.40	70.33	78.20	-7.87	63.46	7.26	34.67	35.06 Peak	102	359	HORIZONTAL
6	5870.00	66.86	68.20	-1.34	59.99	7.26	34.67	35.06 Peak	102	359	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

Channel 42

	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	5142.00	64.36	74.00	-9.64	55.52	8.15	33.74	33.05	201	353	Peak	VERTICAL
2	5150.00	52.79	54.00	-1.21	43.95	8.15	33.74	33.05	201	353	Average	VERTICAL
3	5224.00	91.11			82.00	8.30	33.86	33.05	201	353	Average	VERTICAL
4	5227.00	101.29			92.18	8.30	33.86	33.05	201	353	Peak	VERTICAL
5	5350.00	49.14	54.00	-4.86	39.94	8.20	34.06	33.06	201	353	Average	VERTICAL
6	5383.00	62.52	74.00	-11.48	53.29	8.18	34.11	33.06	201	353	Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.00	67.19	68.20	-1.01	57.38	8.51	34.43	33.13	100	356	Peak	HORIZONTAL
2	5717.00	70.94	78.20	-7.26	61.13	8.51	34.43	33.13	100	356	Peak	HORIZONTAL
3	5738.00	104.78			95.01	8.47	34.44	33.14	100	356	Peak	HORIZONTAL
4	5808.00	92.77			83.05	8.39	34.49	33.16	100	356	Average	HORIZONTAL
5	5851.00	67.40	78.20	-10.80	57.50	8.56	34.51	33.17	100	356	Peak	HORIZONTAL
6	5864.00	65.95	68.20	-2.25	55.97	8.64	34.52	33.18	100	356	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5101.60	60.40	74.00	-13.60	51.81	7.97	33.67	33.05	180	96 Peak	VERTICAL
2	5146.40	49.06	54.00	-4.94	40.22	8.15	33.74	33.05	180	96 Average	VERTICAL
3	5181.20	115.70			106.70	8.26	33.79	33.05	180	96 Peak	VERTICAL
4	5186.00	104.92			95.92	8.26	33.79	33.05	180	96 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5110.80	60.65	74.00	-13.35	52.06	7.97	33.67	33.05	176	92 Peak	VERTICAL
2	5123.20	48.40	54.00	-5.60	39.73	8.03	33.69	33.05	176	92 Average	VERTICAL
3	5198.40	106.46			97.37	8.32	33.82	33.05	176	92 Average	VERTICAL
4	5203.60	117.28			108.18	8.31	33.84	33.05	176	92 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5091.20	48.21	54.00	-5.79	39.69	7.92	33.65	33.05	229	74 Average	HORIZONTAL
2	5136.80	60.59	74.00	-13.41	51.83	8.09	33.72	33.05	229	74 Peak	HORIZONTAL
3	5243.00	115.83			106.71	8.29	33.89	33.06	229	74 Peak	HORIZONTAL
4	5243.60	105.78			96.66	8.29	33.89	33.06	229	74 Average	HORIZONTAL
5	5352.80	60.99	74.00	-13.01	51.79	8.20	34.06	33.06	229	74 Peak	HORIZONTAL
6	5363.60	49.75	54.00	-4.25	40.54	8.19	34.08	33.06	229	74 Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015 ~ Dec. 11, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	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	5709.40	63.42	68.20	-4.78	53.61	8.51	34.43	33.13	175	244	Peak	VERTICAL
2	5724.80	77.06	78.20	-1.14	67.28	8.47	34.44	33.13	175	244	Peak	VERTICAL
3	5737.20	101.96			92.19	8.47	34.44	33.14	175	244	Average	VERTICAL
4	5748.60	114.20			104.46	8.43	34.45	33.14	175	244	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5709.80	62.15	68.20	-6.05	52.81	8.51	34.43	33.60	236	333	Peak	HORIZONTAL
2	5723.80	63.10	78.20	-15.10	53.79	8.47	34.44	33.60	236	333	Peak	HORIZONTAL
3	5779.80	120.84			111.62	8.35	34.47	33.60	236	333	Peak	HORIZONTAL
4	5783.00	109.94			100.72	8.35	34.47	33.60	236	333	Average	HORIZONTAL
5	5852.00	62.59	78.20	-15.61	53.13	8.56	34.51	33.61	236	333	Peak	HORIZONTAL
6	5879.80	64.37	68.20	-3.83	54.73	8.72	34.53	33.61	236	333	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	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	5826.20	116.83			107.03	8.47	34.50	33.17	175	242	Peak	VERTICAL
2	5828.60	105.52			95.72	8.47	34.50	33.17	175	242	Average	VERTICAL
3	5850.00	77.12	78.20	-1.08	67.22	8.56	34.51	33.17	175	242	Peak	VERTICAL
4	5861.40	65.82	68.20	-2.38	55.84	8.64	34.52	33.18	175	242	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.20	67.15	74.00	-6.85	58.31	8.15	33.74	33.05	174	258	Peak	VERTICAL
2	5150.00	52.81	54.00	-1.19	43.97	8.15	33.74	33.05	174	258	Average	VERTICAL
3	5192.80	110.62			101.53	8.32	33.82	33.05	174	258	Peak	VERTICAL
4	5196.80	98.96			89.87	8.32	33.82	33.05	174	258	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5140.40	59.64	74.00	-14.36	50.88	8.09	33.72	33.05	178	286	Peak	VERTICAL
2	5146.40	48.66	54.00	-5.34	39.82	8.15	33.74	33.05	178	286	Average	VERTICAL
3	5223.20	103.27			94.16	8.30	33.86	33.05	178	286	Average	VERTICAL
4	5226.40	113.90			104.79	8.30	33.86	33.05	178	286	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015 ~ Dec. 11, 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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.40	67.17	68.20	-1.03	57.36	8.51	34.43	33.13	176	253	Peak	VERTICAL
2	5722.20	73.09	78.20	-5.11	63.31	8.47	34.44	33.13	176	253	Peak	VERTICAL
3	5742.20	107.51			97.77	8.43	34.45	33.14	176	253	Peak	VERTICAL
4	5742.60	95.60			85.86	8.43	34.45	33.14	176	253	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.00	62.24	68.20	-5.96	52.90	8.51	34.43	33.60	225	330	Peak	HORIZONTAL
2	5719.40	65.64	78.20	-12.56	56.30	8.51	34.43	33.60	225	330	Peak	HORIZONTAL
3	5783.40	103.36			94.14	8.35	34.47	33.60	225	330	Average	HORIZONTAL
4	5783.80	115.37			106.15	8.35	34.47	33.60	225	330	Peak	HORIZONTAL
5	5851.40	71.46	78.20	-6.74	62.00	8.56	34.51	33.61	225	330	Peak	HORIZONTAL
6	5860.60	67.19	68.20	-1.01	57.64	8.64	34.52	33.61	225	330	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.00	52.75	54.00	-1.25	43.91	8.15	33.74	33.05	182	262	Average	VERTICAL
2	5149.00	64.04	74.00	-9.96	55.20	8.15	33.74	33.05	182	262	Peak	VERTICAL
3	5199.00	103.93			94.84	8.32	33.82	33.05	182	262	Peak	VERTICAL
4	5204.00	93.14			84.04	8.31	33.84	33.05	182	262	Average	VERTICAL
5	5350.00	49.54	54.00	-4.46	40.34	8.20	34.06	33.06	182	262	Average	VERTICAL
6	5418.00	62.15	74.00	-11.85	52.76	8.27	34.18	33.06	182	262	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.00	66.82	68.20	-1.38	57.01	8.51	34.43	33.13	171	256	Peak	VERTICAL
2	5724.00	67.69	78.20	-10.51	57.91	8.47	34.44	33.13	171	256	Peak	VERTICAL
3	5781.00	91.96			82.29	8.35	34.47	33.15	171	256	Average	VERTICAL
4	5796.00	103.00			93.36	8.31	34.48	33.15	171	256	Peak	VERTICAL
5	5850.00	64.59	78.20	-13.61	54.69	8.56	34.51	33.17	171	256	Peak	VERTICAL
6	5860.00	65.46	68.20	-2.74	55.48	8.64	34.52	33.18	171	256	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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.20	50.83	54.00	-3.17	41.99	8.15	33.74	33.05	141	11	Average
2	5149.80	62.25	74.00	-11.75	53.41	8.15	33.74	33.05	141	11	Peak
3	5187.40	116.50			107.41	8.32	33.82	33.05	141	11	Peak
4	5188.20	105.90			96.81	8.32	33.82	33.05	141	11	Average

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5112.00	61.41	74.00	-12.59	52.82	7.97	33.67	33.05	143	360	Peak
2	5119.60	48.08	54.00	-5.92	39.41	8.03	33.69	33.05	143	360	Average
3	5204.40	117.27			108.17	8.31	33.84	33.05	143	360	Peak
4	5204.40	107.69			98.59	8.31	33.84	33.05	143	360	Average

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5091.20	59.29	74.00	-14.71	50.77	7.92	33.65	33.05	237	36	Peak
2	5094.20	47.73	54.00	-6.27	39.21	7.92	33.65	33.05	237	36	Average
3	5232.20	110.40			101.27	8.29	33.89	33.05	237	36	Peak
4	5232.20	102.83			93.70	8.29	33.89	33.05	237	36	Average
5	5360.60	61.15	74.00	-12.85	51.94	8.19	34.08	33.06	237	36	Peak
6	5376.80	49.38	54.00	-4.62	40.15	8.18	34.11	33.06	237	36	Average

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015 ~ Dec. 13, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5714.20	62.16	68.20	-6.04	52.35	8.51	34.43	33.13	203	7 Peak	HORIZONTAL
2	5725.00	76.82	78.20	-1.38	67.04	8.47	34.44	33.13	203	7 Peak	HORIZONTAL
3	5743.00	99.87			90.13	8.43	34.45	33.14	203	7 Average	HORIZONTAL
4	5746.20	114.81			105.07	8.43	34.45	33.14	203	7 Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5713.00	63.16	68.20	-5.04	53.82	8.51	34.43	33.60	202	18 Peak	HORIZONTAL
2	5722.60	63.87	78.20	-14.33	54.56	8.47	34.44	33.60	202	18 Peak	HORIZONTAL
3	5778.60	119.93			110.71	8.35	34.47	33.60	202	18 Peak	HORIZONTAL
4	5783.00	107.86			98.64	8.35	34.47	33.60	202	18 Average	HORIZONTAL
5	5854.80	63.03	78.20	-15.17	53.57	8.56	34.51	33.61	202	18 Peak	HORIZONTAL
6	5862.80	62.14	68.20	-6.06	52.59	8.64	34.52	33.61	202	18 Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5821.00	114.04			104.77	8.39	34.49	33.61	198	342 Peak	HORIZONTAL
2	5826.60	107.54			98.18	8.47	34.50	33.61	198	342 Average	HORIZONTAL
3	5852.60	76.53	78.20	-1.67	67.07	8.56	34.51	33.61	198	342 Peak	HORIZONTAL
4	5861.00	67.05	68.20	-1.15	57.50	8.64	34.52	33.61	198	342 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.20	62.29	74.00	-11.71	53.45	8.15	33.74	33.05	193	49 Peak	HORIZONTAL
2	5150.00	52.77	54.00	-1.23	43.93	8.15	33.74	33.05	193	49 Average	HORIZONTAL
3	5200.40	97.45			88.36	8.32	33.82	33.05	193	49 Average	HORIZONTAL
4	5202.40	108.26			99.16	8.31	33.84	33.05	193	49 Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5139.60	59.97	74.00	-14.03	51.21	8.09	33.72	33.05	207	57 Peak	HORIZONTAL
2	5150.00	48.26	54.00	-5.74	39.42	8.15	33.74	33.05	207	57 Average	HORIZONTAL
3	5226.40	98.84			89.73	8.30	33.86	33.05	207	57 Average	HORIZONTAL
4	5227.20	116.73			107.62	8.30	33.86	33.05	207	57 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.60	67.12	68.20	-1.08	57.31	8.51	34.43	33.13	223	42	Peak	HORIZONTAL
2	5721.40	73.70	78.20	-4.50	63.89	8.51	34.43	33.13	223	42	Peak	HORIZONTAL
3	5761.80	109.01			99.30	8.39	34.46	33.14	223	42	Peak	HORIZONTAL
4	5761.80	98.45			88.74	8.39	34.46	33.14	223	42	Average	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.60	62.82	68.20	-5.38	53.01	8.51	34.43	33.13	200	41	Peak	VERTICAL
2	5725.00	66.69	78.20	-11.51	56.91	8.47	34.44	33.13	200	41	Peak	VERTICAL
3	5789.00	117.15			107.51	8.31	34.48	33.15	200	41	Peak	VERTICAL
4	5789.00	106.48			96.84	8.31	34.48	33.15	200	41	Average	VERTICAL
5	5850.00	72.55	78.20	-5.65	62.65	8.56	34.51	33.17	200	41	Peak	VERTICAL
6	5861.40	66.78	68.20	-1.42	56.80	8.64	34.52	33.18	200	41	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015 ~ Nov. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.00	62.88	74.00	-11.12	54.04	8.15	33.74	33.05	200	58 Peak	VERTICAL
2	5150.00	52.64	54.00	-1.36	43.80	8.15	33.74	33.05	200	58 Average	VERTICAL
3	5232.00	103.43			94.30	8.29	33.89	33.05	200	58 Peak	VERTICAL
4	5243.00	93.46			84.34	8.29	33.89	33.06	200	58 Average	VERTICAL
5	5350.00	49.24	54.00	-4.76	40.04	8.20	34.06	33.06	200	58 Average	VERTICAL
6	5353.00	61.08	74.00	-12.92	51.88	8.20	34.06	33.06	200	58 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5711.00	67.19	68.20	-1.01	57.38	8.51	34.43	33.13	200	37 Peak	VERTICAL
2	5720.00	67.29	78.20	-10.91	57.48	8.51	34.43	33.13	200	37 Peak	VERTICAL
3	5770.00	94.47			84.77	8.39	34.46	33.15	200	37 Average	VERTICAL
4	5792.00	106.01			96.37	8.31	34.48	33.15	200	37 Peak	VERTICAL
5	5850.00	63.84	78.20	-14.36	53.94	8.56	34.51	33.17	200	37 Peak	VERTICAL
6	5869.00	63.43	68.20	-4.77	53.45	8.64	34.52	33.18	200	37 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 36

	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	5149.80	61.53	74.00	-12.47	52.69	8.15	33.74	33.05	200	345	Peak	VERTICAL
2	5150.00	49.21	54.00	-4.79	40.37	8.15	33.74	33.05	200	345	Average	VERTICAL
3	5177.40	105.22			96.22	8.26	33.79	33.05	200	345	Average	VERTICAL
4	5179.00	116.57			107.57	8.26	33.79	33.05	200	345	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.20	60.44	74.00	-13.56	51.68	8.09	33.72	33.05	225	3	Peak	VERTICAL
2	5150.00	47.70	54.00	-6.30	38.86	8.15	33.74	33.05	225	3	Average	VERTICAL
3	5200.80	116.28			107.19	8.32	33.82	33.05	225	3	Peak	VERTICAL
4	5201.60	105.31			96.21	8.31	33.84	33.05	225	3	Average	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	CableLoss	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	5144.00	59.64	74.00	-14.36	50.80	8.15	33.74	33.05	200	2	Peak	VERTICAL
2	5150.00	47.73	54.00	-6.27	38.89	8.15	33.74	33.05	200	2	Average	VERTICAL
3	5243.00	106.23			97.11	8.29	33.89	33.06	200	2	Average	VERTICAL
4	5243.60	116.80			107.68	8.29	33.89	33.06	200	2	Peak	VERTICAL
5	5350.00	61.21	74.00	-12.79	52.01	8.20	34.06	33.06	200	2	Peak	VERTICAL
6	5350.00	49.05	54.00	-4.95	39.85	8.20	34.06	33.06	200	2	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015 ~ Dec. 13, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5712.00	63.47	68.20	-4.73	53.66	8.51	34.43	33.13	229	360 Peak	VERTICAL
2	5724.80	77.07	78.20	-1.13	67.29	8.47	34.44	33.13	229	360 Peak	VERTICAL
3	5742.40	113.62			103.88	8.43	34.45	33.14	229	360 Peak	VERTICAL
4	5749.20	101.46			91.72	8.43	34.45	33.14	229	360 Average	VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5715.00	61.38	68.20	-6.82	52.04	8.51	34.43	33.60	225	359 Peak	VERTICAL
2	5721.80	62.35	78.20	-15.85	53.01	8.51	34.43	33.60	225	359 Peak	VERTICAL
3	5781.00	120.73			111.51	8.35	34.47	33.60	225	359 Peak	VERTICAL
4	5787.80	109.01			99.79	8.35	34.47	33.60	225	359 Average	VERTICAL
5	5852.40	62.26	78.20	-15.94	52.80	8.56	34.51	33.61	225	359 Peak	VERTICAL
6	5867.00	62.88	68.20	-5.32	53.33	8.64	34.52	33.61	225	359 Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5827.40	116.81			107.01	8.47	34.50	33.17	210	0 Peak	VERTICAL
2	5830.60	105.25			95.45	8.47	34.50	33.17	210	0 Average	VERTICAL
3	5850.00	77.13	78.20	-1.07	67.23	8.56	34.51	33.17	210	0 Peak	VERTICAL
4	5861.20	64.29	68.20	-3.91	54.31	8.64	34.52	33.18	210	0 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.60	52.96	54.00	-1.04	44.12	8.15	33.74	33.05	250	19	Average	HORIZONTAL
2	5150.00	67.88	74.00	-6.12	59.04	8.15	33.74	33.05	250	19	Peak	HORIZONTAL
3	5192.40	100.95			91.86	8.32	33.82	33.05	250	19	Peak	HORIZONTAL
4	5198.40	89.14			80.05	8.32	33.82	33.05	250	19	Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.80	48.76	54.00	-5.24	39.92	8.15	33.74	33.05	188	360	Average	VERTICAL
2	5148.00	61.07	74.00	-12.93	52.23	8.15	33.74	33.05	188	360	Peak	VERTICAL
3	5238.40	104.25			95.12	8.29	33.89	33.05	188	360	Average	VERTICAL
4	5238.80	115.32			106.19	8.29	33.89	33.05	188	360	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5715.00	66.99	68.20	-1.21	57.18	8.51	34.43	33.13	240	358 Peak	VERTICAL
2	5724.20	69.65	78.20	-8.55	59.87	8.47	34.44	33.13	240	358 Peak	VERTICAL
3	5748.20	94.85			85.11	8.43	34.45	33.14	240	358 Average	VERTICAL
4	5757.80	105.81			96.10	8.39	34.46	33.14	240	358 Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5628.00	61.87	68.20	-6.33	51.87	8.72	34.38	33.10	241	0 Peak	VERTICAL
2	5722.00	64.78	78.20	-13.42	54.97	8.51	34.43	33.13	241	0 Peak	VERTICAL
3	5803.00	102.01			92.38	8.31	34.48	33.16	241	0 Average	VERTICAL
4	5805.00	114.28			104.65	8.31	34.48	33.16	241	0 Peak	VERTICAL
5	5850.00	71.89	78.20	-6.31	61.99	8.56	34.51	33.17	241	0 Peak	VERTICAL
6	5860.00	67.19	68.20	-1.01	57.21	8.64	34.52	33.18	241	0 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5141.00	65.50	74.00	-8.50	56.74	8.09	33.72	33.05	203	0 Peak	VERTICAL
2	5150.00	52.87	54.00	-1.13	44.03	8.15	33.74	33.05	203	0 Average	VERTICAL
3	5240.00	104.18			95.05	8.29	33.89	33.05	203	0 Peak	VERTICAL
4	5242.00	94.18			85.06	8.29	33.89	33.06	203	0 Average	VERTICAL
5	5378.00	49.21	54.00	-4.79	39.98	8.18	34.11	33.06	203	0 Average	VERTICAL
6	5421.00	60.48	74.00	-13.52	51.09	8.27	34.18	33.06	203	0 Peak	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5696.00	67.02	68.20	-1.18	57.17	8.56	34.42	33.13	217	354 Peak	VERTICAL
2	5718.00	68.16	78.20	-10.04	58.35	8.51	34.43	33.13	217	354 Peak	VERTICAL
3	5739.00	103.08			93.34	8.43	34.45	33.14	217	354 Peak	VERTICAL
4	5740.00	91.69			81.95	8.43	34.45	33.14	217	354 Average	VERTICAL
5	5850.00	65.58	78.20	-12.62	55.68	8.56	34.51	33.17	217	354 Peak	VERTICAL
6	5868.00	64.31	68.20	-3.89	54.33	8.64	34.52	33.18	217	354 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015 ~ Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.60	62.63	74.00	-11.37	53.79	8.15	33.74	33.05	224	19	Peak	VERTICAL
2	5150.00	51.16	54.00	-2.84	42.32	8.15	33.74	33.05	224	19	Average	VERTICAL
3	5171.60	110.14			101.14	8.26	33.79	33.05	224	19	Average	VERTICAL
4	5177.20	120.42			111.42	8.26	33.79	33.05	224	19	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	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.20	61.03	74.00	-12.97	52.19	8.15	33.74	33.05	250	9	Peak	HORIZONTAL
2	5150.00	49.10	54.00	-4.90	40.26	8.15	33.74	33.05	250	9	Average	HORIZONTAL
3	5195.60	109.31			100.22	8.32	33.82	33.05	250	9	Average	HORIZONTAL
4	5196.00	119.22			110.13	8.32	33.82	33.05	250	9	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	Preamplifier Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.40	60.61	74.00	-13.39	51.77	8.15	33.74	33.05	215	16	Peak	VERTICAL
2	5150.00	49.03	54.00	-4.97	40.19	8.15	33.74	33.05	215	16	Average	VERTICAL
3	5241.80	119.94			110.82	8.29	33.89	33.06	215	16	Peak	VERTICAL
4	5244.80	109.70			100.58	8.29	33.89	33.06	215	16	Average	VERTICAL
5	5350.00	50.26	54.00	-3.74	41.06	8.20	34.06	33.06	215	16	Average	VERTICAL
6	5356.00	62.62	74.00	-11.38	53.41	8.19	34.08	33.06	215	16	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5700.40	63.35	68.20	-4.85	53.50	8.56	34.42	33.13	250	8 Peak	HORIZONTAL
2	5722.20	77.17	78.20	-1.03	67.39	8.47	34.44	33.13	250	8 Peak	HORIZONTAL
3	5743.40	117.11			107.37	8.43	34.45	33.14	250	8 Peak	HORIZONTAL
4	5747.80	104.94			95.20	8.43	34.45	33.14	250	8 Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5709.40	62.13	68.20	-6.07	52.32	8.51	34.43	33.13	250	3 Peak	VERTICAL
2	5722.60	62.66	78.20	-15.54	52.88	8.47	34.44	33.13	250	3 Peak	VERTICAL
3	5786.60	107.73			98.06	8.35	34.47	33.15	250	3 Average	VERTICAL
4	5787.40	118.55			108.88	8.35	34.47	33.15	250	3 Peak	VERTICAL
5	5850.00	63.26	78.20	-14.94	53.36	8.56	34.51	33.17	250	3 Peak	VERTICAL
6	5862.40	63.71	68.20	-4.49	53.73	8.64	34.52	33.18	250	3 Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5829.00	109.09			99.29	8.47	34.50	33.17	225	10 Average	HORIZONTAL
2	5829.40	120.91			111.11	8.47	34.50	33.17	225	10 Peak	HORIZONTAL
3	5850.00	77.19	78.20	-1.01	67.29	8.56	34.51	33.17	225	10 Peak	HORIZONTAL
4	5860.60	66.81	68.20	-1.39	56.83	8.64	34.52	33.18	225	10 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 38

	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	5148.40	64.89	74.00	-9.11	56.05	8.15	33.74	33.05	225	24	Peak	VERTICAL
2	5150.00	52.61	54.00	-1.39	43.77	8.15	33.74	33.05	225	24	Average	VERTICAL
3	5201.60	99.45			90.35	8.31	33.84	33.05	225	24	Average	VERTICAL
4	5205.20	109.86			100.76	8.31	33.84	33.05	225	24	Peak	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	62.88	74.00	-11.12	54.04	8.15	33.74	33.05	225	25	Peak	VERTICAL
2	5150.00	50.27	54.00	-3.73	41.43	8.15	33.74	33.05	225	25	Average	VERTICAL
3	5227.60	118.27			109.16	8.30	33.86	33.05	225	25	Peak	VERTICAL
4	5234.00	107.80			98.67	8.29	33.89	33.05	225	25	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 151

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	66.46	68.20	-1.74	56.65	8.51	34.43	33.13	246	351	Peak	VERTICAL
2	5721.00	74.16	78.20	-4.04	64.35	8.51	34.43	33.13	246	351	Peak	VERTICAL
3	5743.80	110.40			100.66	8.43	34.45	33.14	246	351	Peak	VERTICAL
4	5747.40	100.66			90.92	8.43	34.45	33.14	246	351	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.80	63.70	68.20	-4.50	53.89	8.51	34.43	33.13	249	6	Peak	HORIZONTAL
2	5723.00	68.20	78.20	-10.00	58.42	8.47	34.44	33.13	249	6	Peak	HORIZONTAL
3	5799.80	106.12			96.48	8.31	34.48	33.15	249	6	Average	HORIZONTAL
4	5800.20	117.27			107.63	8.31	34.48	33.15	249	6	Peak	HORIZONTAL
5	5851.00	71.96	78.20	-6.24	62.06	8.56	34.51	33.17	249	6	Peak	HORIZONTAL
6	5860.60	67.15	68.20	-1.05	57.17	8.64	34.52	33.18	249	6	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 29, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5140.00	64.05	74.00	-9.95	55.29	8.09	33.72	33.05	220	357 Peak	VERTICAL
2	5145.00	52.99	54.00	-1.01	44.15	8.15	33.74	33.05	220	357 Average	VERTICAL
3	5229.00	108.22			99.11	8.30	33.86	33.05	220	357 Peak	VERTICAL
4	5230.00	98.03			88.92	8.30	33.86	33.05	220	357 Average	VERTICAL
5	5370.00	61.24	74.00	-12.76	52.01	8.18	34.11	33.06	220	357 Peak	VERTICAL
6	5382.00	49.15	54.00	-4.85	39.92	8.18	34.11	33.06	220	357 Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5712.00	66.42	68.20	-1.78	56.61	8.51	34.43	33.13	218	347 Peak	HORIZONTAL
2	5718.00	69.87	78.20	-8.33	60.06	8.51	34.43	33.13	218	347 Peak	HORIZONTAL
3	5743.00	107.45			97.71	8.43	34.45	33.14	218	347 Peak	HORIZONTAL
4	5767.00	95.42			85.72	8.39	34.46	33.15	218	347 Average	HORIZONTAL
5	5859.00	67.99	78.20	-10.21	58.00	8.64	34.52	33.17	218	347 Peak	HORIZONTAL
6	5870.00	67.00	68.20	-1.20	57.02	8.64	34.52	33.18	218	347 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor			
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5146.60	64.30	74.00	-9.70	55.46	8.15	33.74	33.05	216	3 Peak	HORIZONTAL
2	5146.80	51.77	54.00	-2.23	42.93	8.15	33.74	33.05	216	3 Average	HORIZONTAL
3	5177.60	125.81			116.81	8.26	33.79	33.05	216	3 Peak	HORIZONTAL
4	5178.80	113.59			104.59	8.26	33.79	33.05	216	3 Average	HORIZONTAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor			
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.60	62.67	74.00	-11.33	53.83	8.15	33.74	33.05	216	360 Peak	HORIZONTAL
2	5149.60	50.56	54.00	-3.44	41.72	8.15	33.74	33.05	216	360 Average	HORIZONTAL
3	5195.20	124.76			115.67	8.32	33.82	33.05	216	360 Peak	HORIZONTAL
4	5197.20	113.51			104.42	8.32	33.82	33.05	216	360 Average	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor			
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.40	60.52	74.00	-13.48	51.68	8.15	33.74	33.05	210	358 Peak	HORIZONTAL
2	5148.80	49.41	54.00	-4.59	40.57	8.15	33.74	33.05	210	358 Average	HORIZONTAL
3	5235.20	124.52			115.39	8.29	33.89	33.05	210	358 Peak	HORIZONTAL
4	5236.40	113.18			104.05	8.29	33.89	33.05	210	358 Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 149

	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	5712.80	64.00	68.20	-4.20	54.19	8.51	34.43	33.13	211	359	Peak	HORIZONTAL
2	5724.20	77.01	78.20	-1.19	67.23	8.47	34.44	33.13	211	359	Peak	HORIZONTAL
3	5742.00	119.58			109.84	8.43	34.45	33.14	211	359	Peak	HORIZONTAL
4	5744.20	108.63			98.89	8.43	34.45	33.14	211	359	Average	HORIZONTAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5687.40	63.48	68.20	-4.72	53.59	8.60	34.41	33.12	210	358	Peak	HORIZONTAL
2	5721.40	62.24	78.20	-15.96	52.43	8.51	34.43	33.13	210	358	Peak	HORIZONTAL
3	5779.80	123.98			114.31	8.35	34.47	33.15	210	358	Peak	HORIZONTAL
4	5788.20	112.01			102.34	8.35	34.47	33.15	210	358	Average	HORIZONTAL
5	5850.40	62.20	78.20	-16.00	52.30	8.56	34.51	33.17	210	358	Peak	HORIZONTAL
6	5865.00	64.39	68.20	-3.81	54.41	8.64	34.52	33.18	210	358	Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5821.40	122.22			112.51	8.39	34.49	33.17	219	3	Peak	HORIZONTAL
2	5821.80	109.99			100.28	8.39	34.49	33.17	219	3	Average	HORIZONTAL
3	5850.00	77.10	78.20	-1.10	67.20	8.56	34.51	33.17	219	3	Peak	HORIZONTAL
4	5864.20	66.92	68.20	-1.28	56.94	8.64	34.52	33.18	219	3	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5150.00	65.80	74.00	-8.20	56.96	8.15	33.74	33.05	175	353 Peak	HORIZONTAL
2	5150.00	52.92	54.00	-1.08	44.08	8.15	33.74	33.05	175	353 Average	HORIZONTAL
3	5177.20	99.95			90.95	8.26	33.79	33.05	175	353 Average	HORIZONTAL
4	5197.20	114.03			104.94	8.32	33.82	33.05	175	353 Peak	HORIZONTAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5140.00	61.89	74.00	-12.11	53.13	8.09	33.72	33.05	175	347 Peak	HORIZONTAL
2	5146.80	50.43	54.00	-3.57	41.59	8.15	33.74	33.05	175	347 Average	HORIZONTAL
3	5223.60	121.19			112.08	8.30	33.86	33.05	175	347 Peak	HORIZONTAL
4	5223.60	110.56			101.45	8.30	33.86	33.05	175	347 Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5714.20	66.49	68.20	-1.71	56.68	8.51	34.43	33.13	175	346 Peak	HORIZONTAL
2	5724.20	77.08	78.20	-1.12	67.30	8.47	34.44	33.13	175	346 Peak	HORIZONTAL
3	5740.20	111.99			102.25	8.43	34.45	33.14	175	346 Peak	HORIZONTAL
4	5740.60	101.01			91.27	8.43	34.45	33.14	175	346 Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5707.80	62.72	68.20	-5.48	52.91	8.51	34.43	33.13	214	355 Peak	HORIZONTAL
2	5725.00	63.01	78.20	-15.19	53.23	8.47	34.44	33.13	214	355 Peak	HORIZONTAL
3	5801.80	107.95			98.31	8.31	34.48	33.15	214	355 Average	HORIZONTAL
4	5803.80	119.60			109.97	8.31	34.48	33.16	214	355 Peak	HORIZONTAL
5	5853.80	69.28	78.20	-8.92	59.38	8.56	34.51	33.17	214	355 Peak	HORIZONTAL
6	5861.40	66.84	68.20	-1.36	56.86	8.64	34.52	33.18	214	355 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor			
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5135.00	64.64	74.00	-9.36	55.88	8.09	33.72	33.05	175	346 Peak	HORIZONTAL
2	5148.00	52.74	54.00	-1.26	43.90	8.15	33.74	33.05	175	346 Average	HORIZONTAL
3	5175.00	106.80			97.80	8.26	33.79	33.05	175	346 Peak	HORIZONTAL
4	5236.00	97.82			88.69	8.29	33.89	33.05	175	346 Average	HORIZONTAL
5	5350.50	61.92	74.00	-12.08	52.72	8.20	34.06	33.06	175	346 Peak	HORIZONTAL
6	5350.50	49.92	54.00	-4.08	40.72	8.20	34.06	33.06	175	346 Average	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor			
			dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5696.00	67.10	68.20	-1.10	57.25	8.56	34.42	33.13	211	354 Peak	HORIZONTAL
2	5718.00	69.55	78.20	-8.65	59.74	8.51	34.43	33.13	211	354 Peak	HORIZONTAL
3	5803.00	96.03			86.40	8.31	34.48	33.16	211	354 Average	HORIZONTAL
4	5808.00	109.54			99.82	8.39	34.49	33.16	211	354 Peak	HORIZONTAL
5	5850.00	68.61	78.20	-9.59	58.71	8.56	34.51	33.17	211	354 Peak	HORIZONTAL
6	5863.00	66.36	68.20	-1.84	56.38	8.64	34.52	33.18	211	354 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.60	66.43	74.00	-7.57	58.17	8.15	33.74	33.63	191	358 Peak	VERTICAL
2	5150.00	52.92	54.00	-1.08	44.66	8.15	33.74	33.63	191	358 Average	VERTICAL
3	5176.60	106.94			98.51	8.26	33.79	33.62	191	358 Average	VERTICAL
4	5177.60	119.60			111.17	8.26	33.79	33.62	191	358 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.80	65.49	74.00	-8.51	57.23	8.15	33.74	33.63	183	358 Peak	VERTICAL
2	5149.60	52.59	54.00	-1.41	44.33	8.15	33.74	33.63	183	358 Average	VERTICAL
3	5196.00	123.78			115.26	8.32	33.82	33.62	183	358 Peak	VERTICAL
4	5196.40	112.43			103.91	8.32	33.82	33.62	183	358 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5147.60	60.19	74.00	-13.81	51.93	8.15	33.74	33.63	191	357 Peak	VERTICAL
2	5150.00	48.19	54.00	-5.81	39.93	8.15	33.74	33.63	191	357 Average	VERTICAL
3	5242.40	123.09			114.52	8.29	33.89	33.61	191	357 Peak	VERTICAL
4	5243.00	111.26			102.69	8.29	33.89	33.61	191	357 Average	VERTICAL
5	5350.00	49.29	54.00	-4.71	40.63	8.20	34.06	33.60	191	357 Average	VERTICAL
6	5364.80	62.23	74.00	-11.77	53.56	8.19	34.08	33.60	191	357 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015 ~ Dec. 12, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5714.80	62.59	68.20	-5.61	52.78	8.51	34.43	33.13	176	86 Peak	VERTICAL
2	5723.00	77.13	78.20	-1.07	67.35	8.47	34.44	33.13	176	86 Peak	VERTICAL
3	5743.00	103.91			94.17	8.43	34.45	33.14	176	86 Average	VERTICAL
4	5746.00	116.20			106.46	8.43	34.45	33.14	176	86 Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5712.60	62.89	68.20	-5.31	53.55	8.51	34.43	33.60	178	358 Peak	VERTICAL
2	5724.60	65.71	78.20	-12.49	56.40	8.47	34.44	33.60	178	358 Peak	VERTICAL
3	5783.40	123.52			114.30	8.35	34.47	33.60	178	358 Peak	VERTICAL
4	5787.80	112.56			103.34	8.35	34.47	33.60	178	358 Average	VERTICAL
5	5850.00	64.41	78.20	-13.79	54.95	8.56	34.51	33.61	178	358 Peak	VERTICAL
6	5879.80	63.95	68.20	-4.25	54.31	8.72	34.53	33.61	178	358 Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5826.40	117.93			108.13	8.47	34.50	33.17	172	82 Peak	VERTICAL
2	5832.00	106.29			96.49	8.47	34.50	33.17	172	82 Average	VERTICAL
3	5850.00	77.14	78.20	-1.06	67.24	8.56	34.51	33.17	172	82 Peak	VERTICAL
4	5860.40	64.28	68.20	-3.92	54.30	8.64	34.52	33.18	172	82 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015 ~ Dec. 12, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.00	66.43	74.00	-7.57	57.59	8.15	33.74	33.05	170	88 Peak	VERTICAL
2	5149.60	52.99	54.00	-1.01	44.15	8.15	33.74	33.05	170	88 Average	VERTICAL
3	5193.20	98.10			89.01	8.32	33.82	33.05	170	88 Average	VERTICAL
4	5198.40	109.65			100.56	8.32	33.82	33.05	170	88 Peak	VERTICAL

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

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5149.60	52.23	54.00	-1.77	43.97	8.15	33.74	33.63	198	346 Average	VERTICAL
2	5150.00	63.94	74.00	-10.06	55.68	8.15	33.74	33.63	198	346 Peak	VERTICAL
3	5226.00	119.00			110.46	8.30	33.86	33.62	198	346 Peak	VERTICAL
4	5234.00	107.80			99.24	8.29	33.89	33.62	198	346 Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5711.00	67.03	68.20	-1.17	57.22	8.51	34.43	33.13	174	99 Peak	VERTICAL
2	5725.00	69.25	78.20	-8.95	59.47	8.47	34.44	33.13	174	99 Peak	VERTICAL
3	5746.20	108.60			98.86	8.43	34.45	33.14	174	99 Peak	VERTICAL
4	5753.00	97.06			87.32	8.43	34.45	33.14	174	99 Average	VERTICAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5715.00	60.74	68.20	-7.46	50.93	8.51	34.43	33.13	170	80 Peak	VERTICAL
2	5725.00	62.03	78.20	-16.17	52.25	8.47	34.44	33.13	170	80 Peak	VERTICAL
3	5783.60	114.16			104.49	8.35	34.47	33.15	170	80 Peak	VERTICAL
4	5786.00	102.55			92.88	8.35	34.47	33.15	170	80 Average	VERTICAL
5	5850.00	67.52	78.20	-10.68	57.62	8.56	34.51	33.17	170	80 Peak	VERTICAL
6	5860.40	67.19	68.20	-1.01	57.21	8.64	34.52	33.18	170	80 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 02, 2015		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5145.00	65.59	74.00	-8.41	56.75	8.15	33.74	33.05	174	82 Peak	VERTICAL
2	5150.00	52.79	54.00	-1.21	43.95	8.15	33.74	33.05	174	82 Average	VERTICAL
3	5206.00	93.57			84.47	8.31	33.84	33.05	174	82 Average	VERTICAL
4	5241.00	105.28			96.15	8.29	33.89	33.05	174	82 Peak	VERTICAL
5	5350.00	60.38	74.00	-13.62	51.18	8.20	34.06	33.06	174	82 Peak	VERTICAL
6	5350.00	49.38	54.00	-4.62	40.18	8.20	34.06	33.06	174	82 Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5712.00	66.89	68.20	-1.31	57.08	8.51	34.43	33.13	182	92 Peak	VERTICAL
2	5724.00	67.90	78.20	-10.30	58.12	8.47	34.44	33.13	182	92 Peak	VERTICAL
3	5768.00	93.02			83.32	8.39	34.46	33.15	182	92 Average	VERTICAL
4	5810.00	105.17			95.45	8.39	34.49	33.16	182	92 Peak	VERTICAL
5	5850.00	67.27	78.20	-10.93	57.37	8.56	34.51	33.17	182	92 Peak	VERTICAL
6	5870.00	64.48	68.20	-3.72	54.50	8.64	34.52	33.18	182	92 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5145.80	52.76	54.00	-1.24	47.81	6.11	33.31	34.47	354	171 Average	VERTICAL
2	5149.40	67.19	74.00	-6.81	62.24	6.11	33.31	34.47	354	171 Peak	VERTICAL
3	5185.20	125.00			119.95	6.17	33.35	34.47	354	171 Peak	VERTICAL
4	5187.20	113.32			108.21	6.20	33.38	34.47	354	171 Average	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5119.60	52.97	54.00	-1.03	48.13	6.04	33.27	34.47	351	170 Average	VERTICAL
2	5120.00	62.52	74.00	-11.48	57.68	6.04	33.27	34.47	351	170 Peak	VERTICAL
3	5205.20	121.48			116.31	6.24	33.40	34.47	351	170 Peak	VERTICAL
4	5205.20	107.31			102.14	6.24	33.40	34.47	351	170 Average	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5119.40	52.87	54.00	-1.13	48.03	6.04	33.27	34.47	359	169 Average	VERTICAL
2	5120.00	62.03	74.00	-11.97	57.19	6.04	33.27	34.47	359	169 Peak	VERTICAL
3	5234.60	124.32			119.03	6.32	33.44	34.47	359	169 Peak	VERTICAL
4	5235.20	111.27			105.98	6.32	33.44	34.47	359	169 Average	VERTICAL
5	5382.80	50.29	54.00	-3.71	44.47	6.66	33.63	34.47	359	169 Average	VERTICAL
6	5384.00	63.71	74.00	-10.29	57.89	6.66	33.63	34.47	359	169 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015 ~ Nov. 28, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5707.98	64.33	68.20	-3.87	57.89	6.50	34.45	34.51	357	180 Peak	VERTICAL
2	5724.65	77.03	78.20	-1.17	70.61	6.43	34.50	34.51	357	180 Peak	VERTICAL
3	5740.03	124.96			118.57	6.36	34.55	34.52	357	180 Peak	VERTICAL
4	5741.64	113.27			106.88	6.36	34.55	34.52	357	180 Average	VERTICAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5691.25	66.88	68.20	-1.32	60.42	6.57	34.40	34.51	353	180 Peak	HORIZONTAL
2	5716.83	64.12	78.20	-14.08	57.68	6.50	34.45	34.51	353	180 Peak	HORIZONTAL
3	5782.60	127.73			121.39	6.22	34.65	34.53	353	180 Peak	HORIZONTAL
4	5786.92	117.87			111.53	6.22	34.65	34.53	353	180 Average	HORIZONTAL
5	5852.89	64.41	78.20	-13.79	57.71	6.39	34.85	34.54	353	180 Peak	HORIZONTAL
6	5886.44	67.16	68.20	-1.04	60.21	6.55	34.95	34.55	353	180 Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5820.03	126.49			120.04	6.23	34.75	34.53	354	178 Peak	HORIZONTAL
2	5829.97	115.48			108.91	6.31	34.80	34.54	354	178 Average	HORIZONTAL
3	5850.00	77.11	78.20	-1.09	70.41	6.39	34.85	34.54	354	178 Peak	HORIZONTAL
4	5868.75	67.15	68.20	-1.05	60.32	6.47	34.90	34.54	354	178 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Channel 38

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5146.73	64.67	74.00	-9.33	59.72	6.11	33.31	34.47	355	174 Peak	HORIZONTAL
2	5149.62	52.71	54.00	-1.29	47.76	6.11	33.31	34.47	355	174 Average	HORIZONTAL
3	5174.30	118.26			113.21	6.17	33.35	34.47	355	174 Peak	HORIZONTAL
4	5194.81	108.37			103.26	6.20	33.38	34.47	355	174 Average	HORIZONTAL

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

Channel 46

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5119.74	52.99	54.00	-1.01	48.15	6.04	33.27	34.47	358	177 Average	HORIZONTAL
2	5130.00	60.19	74.00	-13.81	55.30	6.07	33.29	34.47	358	177 Peak	HORIZONTAL
3	5220.39	108.23			103.00	6.28	33.42	34.47	358	177 Average	HORIZONTAL
4	5224.23	116.78			111.55	6.28	33.42	34.47	358	177 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5714.62	66.92	68.20	-1.28	60.48	6.50	34.45	34.51	357	165 Peak	VERTICAL
2	5723.59	75.67	78.20	-2.53	69.25	6.43	34.50	34.51	357	165 Peak	VERTICAL
3	5747.63	118.16			111.77	6.36	34.55	34.52	357	165 Peak	VERTICAL
4	5749.55	106.20			99.81	6.36	34.55	34.52	357	165 Average	VERTICAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5710.71	65.30	68.20	-2.90	58.86	6.50	34.45	34.51	356	178 Peak	VERTICAL
2	5724.81	65.96	78.20	-12.24	59.54	6.43	34.50	34.51	356	178 Peak	VERTICAL
3	5781.86	125.81			119.47	6.22	34.65	34.53	356	178 Peak	VERTICAL
4	5787.95	108.25			101.91	6.22	34.65	34.53	356	178 Average	VERTICAL
5	5850.00	67.99	78.20	-10.21	61.29	6.39	34.85	34.54	356	178 Peak	VERTICAL
6	5861.35	66.95	68.20	-1.25	60.12	6.47	34.90	34.54	356	178 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5137.08	70.40	74.00	-3.60	65.51	6.07	33.29	34.47	355	175 Peak	HORIZONTAL
2	5149.10	52.97	54.00	-1.03	48.02	6.11	33.31	34.47	355	175 Average	HORIZONTAL
3	5193.17	113.70			108.59	6.20	33.38	34.47	355	175 Peak	HORIZONTAL
4	5193.97	103.28			98.17	6.20	33.38	34.47	355	175 Average	HORIZONTAL
5	5424.74	61.63	74.00	-12.37	55.66	6.75	33.69	34.47	355	175 Peak	HORIZONTAL
6	5439.97	52.47	54.00	-1.53	46.45	6.77	33.72	34.47	355	175 Average	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5704.49	66.72	68.20	-1.48	60.26	6.57	34.40	34.51	357	173 Peak	HORIZONTAL
2	5720.99	66.76	78.20	-11.44	60.32	6.50	34.45	34.51	357	173 Peak	HORIZONTAL
3	5751.76	112.04			105.65	6.36	34.55	34.52	357	173 Peak	HORIZONTAL
4	5788.62	98.72			92.38	6.22	34.65	34.53	357	173 Average	HORIZONTAL
5	5851.12	61.91	78.20	-16.29	55.21	6.39	34.85	34.54	357	173 Peak	HORIZONTAL
6	5873.56	62.08	68.20	-6.12	55.12	6.55	34.95	34.54	357	173 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5146.80	63.31	74.00	-10.69	54.47	8.15	33.74	33.05	181	269 Peak	VERTICAL
2	5147.60	51.34	54.00	-2.66	42.50	8.15	33.74	33.05	181	269 Average	VERTICAL
3	5179.00	109.33			100.33	8.26	33.79	33.05	181	269 Average	VERTICAL
4	5185.20	121.30			112.30	8.26	33.79	33.05	181	269 Peak	VERTICAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5111.20	49.01	54.00	-4.99	40.42	7.97	33.67	33.05	175	129 Average	VERTICAL
2	5116.40	61.07	74.00	-12.93	52.40	8.03	33.69	33.05	175	129 Peak	VERTICAL
3	5202.00	109.43			100.33	8.31	33.84	33.05	175	129 Average	VERTICAL
4	5203.60	121.22			112.12	8.31	33.84	33.05	175	129 Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5092.40	48.71	54.00	-5.29	40.19	7.92	33.65	33.05	173	72 Average	VERTICAL
2	5118.20	61.73	74.00	-12.27	53.06	8.03	33.69	33.05	173	72 Peak	VERTICAL
3	5237.00	108.93			99.80	8.29	33.89	33.05	173	72 Average	VERTICAL
4	5237.60	120.30			111.17	8.29	33.89	33.05	173	72 Peak	VERTICAL
5	5357.60	50.13	54.00	-3.87	40.92	8.19	34.08	33.06	173	72 Average	VERTICAL
6	5369.00	63.01	74.00	-10.99	53.80	8.19	34.08	33.06	173	72 Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 30, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.80	63.07	68.20	-5.13	53.26	8.51	34.43	33.13	176	283	Peak	VERTICAL
2	5724.80	77.13	78.20	-1.07	67.35	8.47	34.44	33.13	176	283	Peak	VERTICAL
3	5739.80	104.92			95.18	8.43	34.45	33.14	176	283	Average	VERTICAL
4	5740.00	116.82			107.08	8.43	34.45	33.14	176	283	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.40	63.75	68.20	-4.45	55.51	7.41	34.43	33.60	175	359	Peak	VERTICAL
2	5720.20	64.67	78.20	-13.53	56.43	7.41	34.43	33.60	175	359	Peak	VERTICAL
3	5783.80	123.57			115.42	7.28	34.47	33.60	175	359	Peak	VERTICAL
4	5789.00	109.88			101.75	7.25	34.48	33.60	175	359	Average	VERTICAL
5	5850.80	63.91	78.20	-14.29	55.49	7.52	34.51	33.61	175	359	Peak	VERTICAL
6	5861.20	64.12	68.20	-4.08	55.60	7.61	34.52	33.61	175	359	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5828.80	119.04			109.24	8.47	34.50	33.17	178	283	Peak	VERTICAL
2	5830.60	107.43			97.63	8.47	34.50	33.17	178	283	Average	VERTICAL
3	5850.00	76.92	78.20	-1.28	67.02	8.56	34.51	33.17	178	283	Peak	VERTICAL
4	5860.00	64.82	68.20	-3.38	54.84	8.64	34.52	33.18	178	283	Peak	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 38

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.40	64.23	74.00	-9.77	55.39	8.15	33.74	33.05	175	89	Peak	VERTICAL
2	5150.00	52.80	54.00	-1.20	43.96	8.15	33.74	33.05	175	89	Average	VERTICAL
3	5198.00	110.19			101.10	8.32	33.82	33.05	175	89	Peak	VERTICAL
4	5199.60	99.37			90.28	8.32	33.82	33.05	175	89	Average	VERTICAL

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

Channel 46

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.80	61.83	74.00	-12.17	52.99	8.15	33.74	33.05	175	70	Peak	VERTICAL
2	5149.60	50.04	54.00	-3.96	41.20	8.15	33.74	33.05	175	70	Average	VERTICAL
3	5221.60	118.17			109.06	8.30	33.86	33.05	175	70	Peak	VERTICAL
4	5227.20	106.97			97.86	8.30	33.86	33.05	175	70	Average	VERTICAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5711.80	67.12	68.20	-1.08	57.31	8.51	34.43	33.13	175	186 Peak	VERTICAL
2	5722.60	73.25	78.20	-4.95	63.47	8.47	34.44	33.13	175	186 Peak	VERTICAL
3	5759.80	97.68			87.97	8.39	34.46	33.14	175	186 Average	VERTICAL
4	5765.00	109.55			99.85	8.39	34.46	33.15	175	186 Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5715.00	65.01	68.20	-3.19	55.20	8.51	34.43	33.13	177	185 Peak	HORIZONTAL
2	5725.00	67.75	78.20	-10.45	57.97	8.47	34.44	33.13	177	185 Peak	HORIZONTAL
3	5783.60	117.20			107.53	8.35	34.47	33.15	177	185 Peak	HORIZONTAL
4	5801.60	106.85			97.21	8.31	34.48	33.15	177	185 Average	HORIZONTAL
5	5853.20	70.98	78.20	-7.22	61.08	8.56	34.51	33.17	177	185 Peak	HORIZONTAL
6	5860.40	67.03	68.20	-1.17	57.05	8.64	34.52	33.18	177	185 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 01, 2015		
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5143.00	52.76	54.00	-1.24	43.92	8.15	33.74	33.05	176	80 Average	VERTICAL
2	5146.00	63.52	74.00	-10.48	54.68	8.15	33.74	33.05	176	80 Peak	VERTICAL
3	5196.00	94.89			85.80	8.32	33.82	33.05	176	80 Average	VERTICAL
4	5205.00	106.61			97.51	8.31	33.84	33.05	176	80 Peak	VERTICAL
5	5350.00	62.46	74.00	-11.54	53.26	8.20	34.06	33.06	176	80 Peak	VERTICAL
6	5350.00	50.46	54.00	-3.54	41.26	8.20	34.06	33.06	176	80 Average	VERTICAL

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

Channel 155

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5713.00	66.81	68.20	-1.39	57.00	8.51	34.43	33.13	177	196 Peak	VERTICAL
2	5725.00	67.32	78.20	-10.88	57.54	8.47	34.44	33.13	177	196 Peak	VERTICAL
3	5786.00	93.89			84.22	8.35	34.47	33.15	177	196 Average	VERTICAL
4	5805.00	106.57			96.94	8.31	34.48	33.16	177	196 Peak	VERTICAL
5	5859.00	66.77	78.20	-11.43	56.78	8.64	34.52	33.17	177	196 Peak	VERTICAL
6	5863.00	65.56	68.20	-2.64	55.58	8.64	34.52	33.18	177	196 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°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Channel 36

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5148.00	62.62	74.00	-11.38	53.78	8.15	33.74	33.05	288	329 Peak	HORIZONTAL
2	5149.80	50.12	54.00	-3.88	41.28	8.15	33.74	33.05	288	329 Average	HORIZONTAL
3	5174.80	106.84			97.84	8.26	33.79	33.05	288	329 Average	HORIZONTAL
4	5183.80	119.15			110.15	8.26	33.79	33.05	288	329 Peak	HORIZONTAL

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

Channel 40

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5136.00	47.93	54.00	-6.07	39.17	8.09	33.72	33.05	289	333 Average	HORIZONTAL
2	5143.60	61.18	74.00	-12.82	52.34	8.15	33.74	33.05	289	333 Peak	HORIZONTAL
3	5194.40	107.62			98.53	8.32	33.82	33.05	289	333 Average	HORIZONTAL
4	5195.20	119.51			110.42	8.32	33.82	33.05	289	333 Peak	HORIZONTAL

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

Channel 48

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5115.80	60.30	74.00	-13.70	51.63	8.03	33.69	33.05	296	323 Peak	HORIZONTAL
2	5135.60	47.58	54.00	-6.42	38.82	8.09	33.72	33.05	296	323 Average	HORIZONTAL
3	5231.60	107.24			98.13	8.30	33.86	33.05	296	323 Average	HORIZONTAL
4	5234.00	117.34			108.21	8.29	33.89	33.05	296	323 Peak	HORIZONTAL
5	5361.20	48.62	54.00	-5.38	39.41	8.19	34.08	33.06	296	323 Average	HORIZONTAL
6	5375.00	61.01	74.00	-12.99	51.78	8.18	34.11	33.06	296	323 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Channel 149

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5699.40	62.63	68.20	-5.57	52.78	8.56	34.42	33.13	300	350 Peak	HORIZONTAL
2	5725.00	77.05	78.20	-1.15	67.27	8.47	34.44	33.13	300	350 Peak	HORIZONTAL
3	5739.00	104.48			94.74	8.43	34.45	33.14	300	350 Average	HORIZONTAL
4	5741.20	116.81			107.07	8.43	34.45	33.14	300	350 Peak	HORIZONTAL

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

Channel 157

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5683.60	61.03	68.20	-7.17	51.14	8.60	34.41	33.12	299	354 Peak	HORIZONTAL
2	5723.20	62.01	78.20	-16.19	52.23	8.47	34.44	33.13	299	354 Peak	HORIZONTAL
3	5780.20	116.79			107.12	8.35	34.47	33.15	299	354 Peak	HORIZONTAL
4	5783.80	105.36			95.69	8.35	34.47	33.15	299	354 Average	HORIZONTAL
5	5851.80	61.40	78.20	-16.80	51.50	8.56	34.51	33.17	299	354 Peak	HORIZONTAL
6	5900.80	63.00	68.20	-5.20	52.85	8.80	34.54	33.19	299	354 Peak	HORIZONTAL

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

Channel 165

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor			
						dB	dB/m	dB	cm	deg	
1	5822.60	118.39			108.59	8.47	34.50	33.17	299	353 Peak	HORIZONTAL
2	5823.80	106.86			97.06	8.47	34.50	33.17	299	353 Average	HORIZONTAL
3	5850.20	76.82	78.20	-1.38	66.92	8.56	34.51	33.17	299	353 Peak	HORIZONTAL
4	5860.40	65.93	68.20	-2.27	55.95	8.64	34.52	33.18	299	353 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Channel 38

	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	5150.00	64.08	74.00	-9.92	55.24	8.15	33.74	33.05	251	330	Peak	HORIZONTAL
2	5150.00	51.26	54.00	-2.74	42.42	8.15	33.74	33.05	251	330	Average	HORIZONTAL
3	5187.20	109.69			100.60	8.32	33.82	33.05	251	330	Peak	HORIZONTAL
4	5192.80	98.46			89.37	8.32	33.82	33.05	251	330	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	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5136.40	59.61	74.00	-14.39	50.85	8.09	33.72	33.05	300	326	Peak	HORIZONTAL
2	5149.60	48.11	54.00	-5.89	39.27	8.15	33.74	33.05	300	326	Average	HORIZONTAL
3	5215.00	116.31			107.21	8.31	33.84	33.05	300	326	Peak	HORIZONTAL
4	5233.00	104.77			95.64	8.29	33.89	33.05	300	326	Average	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 27, 2015 ~ Nov. 28, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Channel 151

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5713.40	66.12	68.20	-2.08	56.31	8.51	34.43	33.13	298	354 Peak	HORIZONTAL
2	5719.00	72.28	78.20	-5.92	62.47	8.51	34.43	33.13	298	354 Peak	HORIZONTAL
3	5750.60	111.24			101.50	8.43	34.45	33.14	298	354 Peak	HORIZONTAL
4	5762.60	99.66			89.95	8.39	34.46	33.14	298	354 Average	HORIZONTAL

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

Channel 159

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	5661.80	62.03	68.20	-6.17	52.10	8.64	34.40	33.11	299	352 Peak	HORIZONTAL
2	5724.20	61.98	78.20	-16.22	52.20	8.47	34.44	33.13	299	352 Peak	HORIZONTAL
3	5787.80	114.18			104.51	8.35	34.47	33.15	299	352 Peak	HORIZONTAL
4	5789.60	102.59			92.95	8.31	34.48	33.15	299	352 Average	HORIZONTAL
5	5850.80	72.83	78.20	-5.37	62.93	8.56	34.51	33.17	299	352 Peak	HORIZONTAL
6	5862.20	66.73	68.20	-1.47	56.75	8.64	34.52	33.18	299	352 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 28, 2015		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

Channel 42

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5147.00	64.38	74.00	-9.62	55.54	8.15	33.74	33.05	297	336	Peak	HORIZONTAL
2	5149.00	52.19	54.00	-1.81	43.35	8.15	33.74	33.05	297	336	Average	HORIZONTAL
3	5227.00	95.42			86.31	8.30	33.86	33.05	297	336	Average	HORIZONTAL
4	5229.00	106.53			97.42	8.30	33.86	33.05	297	336	Peak	HORIZONTAL
5	5350.00	60.59	74.00	-13.41	51.39	8.20	34.06	33.06	297	336	Peak	HORIZONTAL
6	5364.00	48.57	54.00	-5.43	39.36	8.19	34.08	33.06	297	336	Average	HORIZONTAL

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

Channel 155

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5700.00	67.18	68.20	-1.02	57.33	8.56	34.42	33.13	300	356	Peak	HORIZONTAL
2	5721.00	69.69	78.20	-8.51	59.88	8.51	34.43	33.13	300	356	Peak	HORIZONTAL
3	5751.00	105.60			95.86	8.43	34.45	33.14	300	356	Peak	HORIZONTAL
4	5789.00	93.56			83.92	8.31	34.48	33.15	300	356	Average	HORIZONTAL
5	5851.00	68.28	78.20	-9.92	58.38	8.56	34.51	33.17	300	356	Peak	HORIZONTAL
6	5862.00	67.74	68.20	-0.46	57.76	8.64	34.52	33.18	300	356	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

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

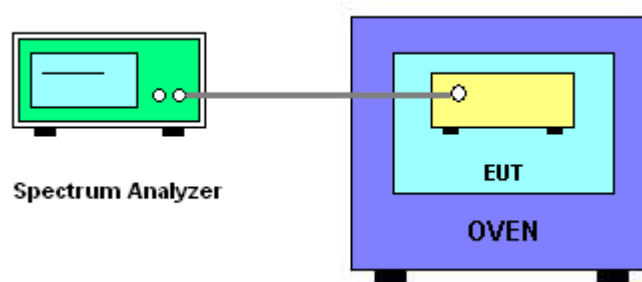
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

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. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11n specification).
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 $-40^\circ\text{C} \sim 70^\circ\text{C}$.

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°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015 ~ Dec. 14, 2015

For EUT 1

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	5199.9880	5199.9474	5199.9461	5199.9477
110.00	5199.9501	5199.9466	5199.9455	5199.9620
93.50	5199.9499	5199.9449	5199.9438	5199.9441
Max. Deviation (MHz)	0.0501	0.0551	0.0562	0.0559
Max. Deviation (ppm)	9.63	10.60	10.81	10.75
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5199.9610	5199.9522	5199.9499	5199.9511
-30	5199.9605	5199.9521	5199.9496	5199.9505
-20	5199.9602	5199.9516	5199.9494	5199.9501
-10	5199.9588	5199.9494	5199.9481	5199.9480
0	5199.9503	5199.9482	5199.9456	5199.9476
10	5199.9495	5199.9473	5199.9450	5199.9455
20	5199.9481	5199.9462	5199.9432	5199.9440
30	5199.9462	5199.9441	5199.9417	5199.9412
40	5199.9451	5199.9416	5199.9401	5199.9403
50	5199.9433	5199.9415	5199.9388	5199.9385
60	5199.9429	5199.9415	5199.9385	5199.9375
70	5199.9425	5199.9416	5199.9375	5199.9373
Max. Deviation (MHz)	0.0575	0.0584	0.0625	0.0627
Max. Deviation (ppm)	11.06	11.23	12.02	12.06
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9460	5784.9462	5784.9432	5784.9486
110.00	5784.9455	5784.9433	5784.9405	5784.9476
93.50	5784.9395	5784.9417	5784.9382	5784.9402
Max. Deviation (MHz)	0.0605	0.0583	0.0618	0.0598
Max. Deviation (ppm)	10.46	10.08	10.68	10.34
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5784.9496	5784.9527	5784.9495	5784.9477
-30	5784.9491	5784.9513	5784.9487	5784.9461
-20	5784.9488	5784.9498	5784.9477	5784.9458
-10	5784.9471	5784.9488	5784.9462	5784.9449
0	5784.9460	5784.9488	5784.9435	5784.9422
10	5784.9449	5784.9465	5784.9425	5784.9419
20	5784.9439	5784.9451	5784.9417	5784.9398
30	5784.9417	5784.9426	5784.9402	5784.9382
40	5784.9403	5784.9406	5784.9395	5784.9372
50	5784.9394	5784.9395	5784.9374	5784.9342
60	5784.9394	5784.9391	5784.9374	5784.9335
70	5784.9385	5784.9381	5784.9369	5784.9333
Max. Deviation (MHz)	0.0615	0.0619	0.0631	0.0667
Max. Deviation (ppm)	10.63	10.70	10.91	11.53
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	5189.9666	5189.9621	5189.9588	5189.9516
110.00	5189.9651	5189.9617	5189.9587	5189.9501
93.50	5189.9602	5189.9509	5189.9477	5189.9479
Max. Deviation (MHz)	0.0398	0.0491	0.0523	0.0521
Max. Deviation (ppm)	7.67	9.46	10.08	10.04
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5189.9641	5189.9511	5189.9516	5189.9479
-30	5189.9632	5189.9503	5189.9509	5189.9462
-20	5189.9612	5189.9495	5189.9484	5189.9456
-10	5189.9581	5189.9481	5189.9463	5189.9320
0	5189.9566	5189.9459	5189.9442	5189.9219
10	5189.9454	5189.9438	5189.9432	5189.9414
20	5189.9448	5189.9435	5189.9426	5189.9401
30	5189.9434	5189.9423	5189.9413	5189.9374
40	5189.9422	5189.9411	5189.9387	5189.9367
50	5189.9411	5189.9389	5189.9374	5189.9341
60	5189.9401	5189.9371	5189.9361	5189.9333
70	5189.9398	5189.9368	5189.9341	5189.9326
Max. Deviation (MHz)	0.0602	0.0632	0.0659	0.0781
Max. Deviation (ppm)	11.60	12.18	12.70	15.05
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9402	5754.9385	5754.9374	5754.9361
110.00	5754.9393	5754.9374	5754.9366	5754.9351
93.50	5754.9374	5754.9368	5754.9351	5754.9322
Max. Deviation (MHz)	0.0626	0.0632	0.0649	0.0678
Max. Deviation (ppm)	10.88	10.98	11.28	11.78
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5754.9476	5754.9492	5754.9482	5754.9476
-30	5754.9473	5754.9485	5754.9477	5754.9471
-20	5754.9476	5754.9472	5754.9468	5754.9464
-10	5754.9443	5754.9431	5754.9415	5754.9396
0	5754.9429	5754.9413	5754.9398	5754.9376
10	5754.9416	5754.9404	5754.9386	5754.9372
20	5754.9404	5754.9391	5754.9375	5754.9365
30	5754.9390	5754.9379	5754.9365	5754.9349
40	5754.9374	5754.9359	5754.9343	5754.9323
50	5754.9362	5754.9348	5754.9400	5754.9313
60	5754.9362	5754.9341	5754.9388	5754.9309
70	5754.9362	5754.9335	5754.9374	5754.9302
Max. Deviation (MHz)	0.0638	0.0665	0.0657	0.0698
Max. Deviation (ppm)	11.09	11.56	11.42	12.13
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	5209.9664	5209.9663	5209.9644	5209.9632
110.00	5209.9655	5209.9646	5209.9632	5209.9611
93.50	5209.9643	5209.9629	5209.9628	5209.9601
Max. Deviation (MHz)	0.0357	0.0371	0.0372	0.0399
Max. Deviation (ppm)	6.85	7.12	7.14	7.66
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5209.9728	5209.9691	5209.9706	5209.9672
-30	5209.9713	5209.9682	5209.9695	5209.9668
-20	5209.9703	5209.9677	5209.9674	5209.9656
-10	5209.9684	5209.9667	5209.9651	5209.9632
0	5209.9674	5209.9653	5209.9634	5209.9626
10	5209.9652	5209.9639	5209.9617	5209.9613
20	5209.9650	5209.9627	5209.9612	5209.9592
30	5209.9643	5209.9615	5209.9601	5209.9585
40	5209.9638	5209.9595	5209.9579	5209.9563
50	5209.9617	5209.9577	5209.9571	5209.9541
60	5209.9612	5209.9560	5209.9562	5209.9528
70	5209.9601	5209.9542	5209.9544	5209.9516
Max. Deviation (MHz)	0.0399	0.0458	0.0456	0.0484
Max. Deviation (ppm)	7.66	8.79	8.75	9.29
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9772	5774.9753	5774.9745	5774.9730
110.00	5774.9761	5774.9748	5774.9739	5774.9712
93.50	5774.9755	5774.9740	5774.9728	5774.9701
Max. Deviation (MHz)	0.0245	0.0260	0.0272	0.0299
Max. Deviation (ppm)	4.24	4.50	4.71	5.18
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5774.9891	5774.9866	5774.9856	5774.9850
-30	5774.9886	5774.9866	5774.9844	5774.9852
-20	5774.9874	5774.9863	5774.9838	5774.9822
-10	5774.9864	5774.9838	5774.9822	5774.9813
0	5774.9852	5774.9820	5774.9809	5774.9796
10	5774.9826	5774.9810	5774.9795	5774.9781
20	5774.9811	5774.9798	5774.9782	5774.9763
30	5774.9797	5774.9784	5774.9769	5774.9756
40	5774.9791	5774.9766	5774.9750	5774.9732
50	5774.9777	5774.9759	5774.9744	5774.9725
60	5774.9752	5774.9740	5774.9734	5774.9717
70	5774.9750	5774.9735	5774.9730	5774.9711
Max. Deviation (MHz)	0.0250	0.0265	0.0270	0.0289
Max. Deviation (ppm)	4.33	4.59	4.68	5.00
Result	Complies			

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 07, 2015

For EUT 2

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	5199.9490	5199.9476	5199.9458	5199.9437
110.00	5199.9478	5199.9465	5199.9449	5199.9430
93.50	5199.9464	5199.9453	5199.9441	5199.9419
Max. Deviation (MHz)	0.0536	0.0547	0.0559	0.0581
Max. Deviation (ppm)	10.31	10.52	10.75	11.17
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5199.9516	5199.9525	5199.9495	5199.9495
-30	5199.9523	5199.9521	5199.9493	5199.9476
-20	5199.9516	5199.9503	5199.9486	5199.9462
-10	5199.9501	5199.9489	5199.9473	5199.9454
0	5199.9487	5199.9475	5199.9456	5199.9434
10	5199.9474	5199.9461	5199.9446	5199.9428
20	5199.9462	5199.9449	5199.9433	5199.9414
30	5199.9448	5199.9437	5199.9423	5199.9407
40	5199.9432	5199.9417	5199.9401	5199.9381
50	5199.9415	5199.9403	5199.9388	5199.9361
60	5199.9410	5199.9388	5199.9385	5199.9355
70	5199.9409	5199.9375	5199.9373	5199.9353
Max. Deviation (MHz)	0.0591	0.0625	0.0627	0.0647
Max. Deviation (ppm)	11.37	12.02	12.06	12.44
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9441	5784.9427	5784.9409	5784.9388
110.00	5784.9429	5784.9416	5784.9400	5784.9381
93.50	5784.9415	5784.9404	5784.9392	5784.9370
Max. Deviation (MHz)	0.0585	0.0596	0.0608	0.0630
Max. Deviation (ppm)	10.11	10.30	10.51	10.89
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5784.9496	5784.9526	5784.9501	5784.9466
-30	5784.9495	5784.9513	5784.9487	5784.9452
-20	5784.9495	5784.9482	5784.9465	5784.9441
-10	5784.9480	5784.9468	5784.9452	5784.9433
0	5784.9466	5784.9454	5784.9435	5784.9413
10	5784.9453	5784.9440	5784.9425	5784.9407
20	5784.9441	5784.9428	5784.9412	5784.9393
30	5784.9427	5784.9416	5784.9402	5784.9386
40	5784.9411	5784.9396	5784.9380	5784.9360
50	5784.9394	5784.9382	5784.9377	5784.9340
60	5784.9394	5784.9391	5784.9372	5784.9333
70	5784.9385	5784.9381	5784.9362	5784.9328
Max. Deviation (MHz)	0.0615	0.0619	0.0638	0.0672
Max. Deviation (ppm)	10.63	10.70	11.03	11.62
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	5189.9506	5189.9492	5189.9474	5189.9453
110.00	5189.9494	5189.9481	5189.9465	5189.9446
93.50	5189.9480	5189.9469	5189.9457	5189.9435
Max. Deviation (MHz)	0.0520	0.0531	0.0543	0.0565
Max. Deviation (ppm)	10.02	10.23	10.46	10.89
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5189.9533	5189.9516	5189.9495	5189.9470
-30	5189.9516	5189.9505	5189.9488	5189.9466
-20	5189.9502	5189.9489	5189.9472	5189.9448
-10	5189.9487	5189.9475	5189.9459	5189.9440
0	5189.9473	5189.9461	5189.9442	5189.9420
10	5189.9460	5189.9447	5189.9432	5189.9414
20	5189.9448	5189.9435	5189.9419	5189.9400
30	5189.9434	5189.9423	5189.9409	5189.9393
40	5189.9418	5189.9403	5189.9387	5189.9367
50	5189.9401	5189.9389	5189.9374	5189.9347
60	5189.9400	5189.9379	5189.9370	5189.9329
70	5189.9398	5189.9373	5189.9366	5189.9326
Max. Deviation (MHz)	0.0602	0.0627	0.0634	0.0674
Max. Deviation (ppm)	11.60	12.08	12.22	12.99
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9393	5754.9379	5754.9361	5754.9340
110.00	5754.9381	5754.9368	5754.9352	5754.9333
93.50	5754.9367	5754.9356	5754.9344	5754.9322
Max. Deviation (MHz)	0.0633	0.0644	0.0656	0.0678
Max. Deviation (ppm)	11.00	11.19	11.40	11.78
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5754.9472	5754.9520	5754.9479	5754.9470
-30	5754.9466	5754.9485	5754.9456	5754.9452
-20	5754.9458	5754.9445	5754.9428	5754.9404
-10	5754.9443	5754.9431	5754.9415	5754.9396
0	5754.9429	5754.9417	5754.9398	5754.9376
10	5754.9416	5754.9403	5754.9388	5754.9370
20	5754.9404	5754.9391	5754.9375	5754.9356
30	5754.9390	5754.9379	5754.9365	5754.9349
40	5754.9374	5754.9359	5754.9343	5754.9323
50	5754.9357	5754.9345	5754.9330	5754.9303
60	5754.9362	5754.9341	5754.9388	5754.9305
70	5754.9358	5754.9329	5754.9374	5754.9302
Max. Deviation (MHz)	0.0642	0.0671	0.0657	0.0698
Max. Deviation (ppm)	11.16	11.66	11.42	12.13
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	5209.9671	5209.9657	5209.9639	5209.9618
110.00	5209.9659	5209.9646	5209.9630	5209.9611
93.50	5209.9645	5209.9634	5209.9622	5209.9600
Max. Deviation (MHz)	0.0355	0.0366	0.0378	0.0400
Max. Deviation (ppm)	6.81	7.02	7.26	7.68
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5209.9733	5209.9696	5209.9711	5209.9666
-30	5209.9715	5209.9682	5209.9696	5209.9658
-20	5209.9694	5209.9681	5209.9664	5209.9640
-10	5209.9679	5209.9667	5209.9651	5209.9632
0	5209.9665	5209.9653	5209.9634	5209.9612
10	5209.9652	5209.9639	5209.9624	5209.9606
20	5209.9640	5209.9627	5209.9611	5209.9592
30	5209.9626	5209.9615	5209.9601	5209.9585
40	5209.9610	5209.9595	5209.9579	5209.9559
50	5209.9593	5209.9581	5209.9566	5209.9539
60	5209.9584	5209.9574	5209.9559	5209.9526
70	5209.9584	5209.9555	5209.9549	5209.9511
Max. Deviation (MHz)	0.0416	0.0445	0.0451	0.0489
Max. Deviation (ppm)	7.98	8.54	8.66	9.39
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9773	5774.9759	5774.9741	5774.9720
110.00	5774.9761	5774.9748	5774.9732	5774.9713
93.50	5774.9747	5774.9736	5774.9724	5774.9702
Max. Deviation (MHz)	0.0253	0.0264	0.0276	0.0298
Max. Deviation (ppm)	4.38	4.57	4.78	5.16
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-40	5774.9902	5774.9873	5774.9863	5774.9836
-30	5774.9896	5774.9868	5774.9846	5774.9825
-20	5774.9865	5774.9852	5774.9835	5774.9811
-10	5774.9850	5774.9838	5774.9822	5774.9803
0	5774.9836	5774.9824	5774.9805	5774.9783
10	5774.9823	5774.9810	5774.9795	5774.9777
20	5774.9811	5774.9798	5774.9782	5774.9763
30	5774.9797	5774.9786	5774.9772	5774.9756
40	5774.9781	5774.9766	5774.9750	5774.9730
50	5774.9764	5774.9752	5774.9737	5774.9710
60	5774.9755	5774.9742	5774.9730	5774.9709
70	5774.9742	5774.9729	5774.9730	5774.9681
Max. Deviation (MHz)	0.0258	0.0271	0.0270	0.0319
Max. Deviation (ppm)	4.47	4.69	4.68	5.52
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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 16, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 25, 2015	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	37880	20MHz ~ 2GHz	Sep. 03, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	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	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 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	Feb.10, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	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. 02, 2015	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	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	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. 02, 2015	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. 02, 2015	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
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. 02, 2015	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)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 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%