Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	11218.03	42.30	54.00	-11.70	26.43	10.63	38.62	33.38	170	302	Average	HORIZONTAL
2	11233.41	55.74	74.00	-18.26	39.86	10.63	38.63	33.38	170	302	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11226.49	42.53	54.00	-11.47	26.65	10.63	38.63	33.38	168	286	Average	VERTICAL
2	11233.75	55.26	74.00	-18.74	39.38	10.63	38.63	33.38	168	286	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	11372.02	56.85	74.00	-17.15	40.77	10.68	38.77	33.37	185	132	Peak	HORIZONTAL
2	11394.09	44.34	54.00	-9.66	28.24	10.69	38.78	33.37	185	132	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	11378.94	47.40	54.00	-6.60	31.31	10.68	38.78	33.37	185	141	Average	VERTICAL
2	11388.37	59.98	74.00	-14.02	43.89	10.68	38.78	33.37	185	141	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	11543.81	42.49	54.00	-11.51	26.22	10.73	38.92	33.38	164	134	Average	HORIZONTAL
2	11559.52	55.39	74.00	-18.61	39.09	10.75	38.93	33.38	164	134	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11546.57	42.46	54.00	-11.54	26.17	10.75	38.92	33.38	182	111	Average	VERTICAL
2	11549.52	56.46	74.00	-17.54	40.16	10.75	38.93	33.38	182	111	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15536.94	47.96	54.00	-6.04	30.94	12.58	38.14	33.70	157	112	Average	HORIZONTAL
2	15543.19	59.80	74.00	-14.20	42.78	12.58	38.14	33.70	157	112	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15542.16	47.53	54.00	-6.47	30.51	12.58	38.14	33.70	166	195	Average	VERTICAL
2	15543.70	60.00	74.00	-14.00	43.00	12.58	38.12	33.70	166	195	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15598.89	47.31	54.00	-6.69	30.48	12.58	38.03	33.78	151	136	Average	HORIZONTAL
2	15599.76	60.39	74.00	-13.61	43.56	12.58	38.03	33.78	151	136	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.01	60.16	74.00	-13.84	43.33	12.58	38.03	33.78	153	163	Peak	VERTICAL
2	15602.48	47.20	54.00	-6.80	30.37	12.58	38.03	33.78	153	163	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15716.73	61.56	74.00	-12.44	45.03	12.57	37.84	33.88	135	319	Peak	HORIZONTAL
2	15717.08	48.84	54.00	-5.16	32.31	12.57	37.84	33.88	135	319	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	15715.72	59.69	74.00	-14.31	43.16	12.57	37.84	33.88	145	255	Peak	VERTICAL
2	15717.76	47.37	54.00	-6.63	30.84	12.57	37.84	33.88	145	255	Average	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15777.15	49.69	54.00	-4.31	33.29	12.57	37.76	33.93	143	320	Average	HORIZONTAL
2	15781.39	62.93	74.00	-11.07	46.55	12.57	37.76	33.95	143	320	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.67	60.72	74.00	-13.28	44.32	12.57	37.76	33.93	158	20	Peak	VERTICAL
2	15781.25	47.91	54.00	-6.09	31.53	12.57	37.76	33.95	158	20	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10599.89	46.28	54.00	-7.72	31.35	10.16	38.40	33.63	163	343	Average	HORIZONTAL
2	10600.19	59.35	74.00	-14.65	44.42	10.16	38.40	33.63	163	343	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.79	45.53	54.00	-8.47	30.60	10.16	38.40	33.63	150	51	Average	VERTICAL
2	10603.75	58.36	74.00	-15.64	43.39	10.19	38.40	33.62	150	51	Peak	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10639.46	45.53	54.00	-8.47	30.52	10.21	38.40	33.60	165	131	Average	HORIZONTAL
2	10642.07	57.49	74.00	-16.51	42.48	10.21	38.40	33.60	165	131	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10638.53	59.02	74.00	-14.98	44.01	10.21	38.40	33.60	184	313	Peak	VERTICAL
2	10639.98	46.44	54.00	-7.56	31.43	10.21	38.40	33.60	184	313	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10996.46	58.61	74.00	-15.39	43.04	10.55	38.40	33.38	174	341	Peak	HORIZONTAL
2	11000.59	46.69	54.00	-7.31	31.12	10.55	38.40	33.38	174	341	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	10996.22	46.01	54.00	-7.99	30.44	10.55	38.40	33.38	147	137	Average	VERTICAL
2	10997.69	58.48	74.00	-15.52	42.91	10.55	38.40	33.38	147	137	Peak	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11160.08	50.83	54.00	-3.17	35.04	10.60	38.57	33.38	236	1	Average	HORIZONTAL
2	11160.37	65.65	74.00	-8.35	49.86	10.60	38.57	33.38	236	1	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.35	64.01	74.00	-9.99	48.22	10.60	38.57	33.38	238	283	Peak	VERTICAL
2	11160.71	49.55	54.00	-4.45	33.76	10.60	38.57	33.38	238	283	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11400.42	63.18	74.00	-10.82	47.06	10.69	38.80	33.37	156	7	Peak	HORIZONTAL
2	11400.80	48.41	54.00	-5.59	32.29	10.69	38.80	33.37	156	7	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	11400.43	47.92	54.00	-6.08	31.80	10.69	38.80	33.37	176	360	Average	VERTICAL
2	11402.13	60.33	74.00	-13.67	44.21	10.69	38.80	33.37	176	360	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11440.26	65.49	74.00	-8.51	49.34	10.69	38.83	33.37	128	4	Peak	HORIZONTAL
2	11440.54	50.75	54.00	-3.25	34.60	10.69	38.83	33.37	128	4	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	11440.27	48.44	54.00	-5.56	32.29	10.69	38.83	33.37	158	350	Average	VERTICAL
2	11440.35	63.17	74.00	-10.83	47.02	10.69	38.83	33.37	158	350	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11490.32	47.93	54.00	-6.07	31.71	10.71	38.88	33.37	205	9	Average	HORIZONTAL
2	11490.42	61.26	74.00	-12.74	45.04	10.71	38.88	33.37	205	9	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11486.81	58.90	74.00	-15.10	42.68	10.71	38.88	33.37	151	95	Peak	VERTICAL
2	11489.98	46.76	54.00	-7.24	30.54	10.71	38.88	33.37	151	95	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11570.48	50.99	54.00	-3.01	34.68	10.76	38.94	33.39	149	321	Average	HORIZONTAL
2	11570.66	65.84	74.00	-8.16	49.53	10.76	38.94	33.39	149	321	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11570.56	61.54	74.00	-12.46	45.23	10.76	38.94	33.39	160	359	Peak	VERTICAL
2	11571.06	48.09	54.00	-5.91	31.78	10.76	38.94	33.39	160	359	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11650.34	63.09	74.00	-10.91	46.71	10.81	38.98	33.41	141	317	Peak	HORIZONTAL
2	11650.35	49.82	54.00	-4.18	33.44	10.81	38.98	33.41	141	317	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	11651.12	60.13	74.00	-13.87	43.74	10.81	38.99	33.41	161	0	Peak	VERTICAL
2	11651.27	47.54	54.00	-6.46	31.15	10.81	38.99	33.41	161	0	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15536.83	58.63	74.00	-15.37	41.61	12.58	38.14	33.70	146	63	Peak	HORIZONTAL
2	15542.18	46.31	54.00	-7.69	29.29	12.58	38.14	33.70	146	63	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	15540.71	59.21	74.00	-14.79	42.19	12.58	38.14	33.70	153	82	Peak	VERTICAL
2	15548.97	45.76	54.00	-8.24	28.79	12.58	38.12	33.73	153	82	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15594.01	59.02	74.00	-14.98	42.13	12.58	38.06	33.75	156	98	Peak	HORIZONTAL
2	15602.02	45.58	54.00	-8.42	28.75	12.58	38.03	33.78	156	98	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	15593.94	58.82	74.00	-15.18	41.93	12.58	38.06	33.75	158	115	Peak	VERTICAL
2	15595.42	45.54	54.00	-8.46	28.68	12.58	38.03	33.75	158	115	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15716.76	45.50	54.00	-8.50	28.97	12.57	37.84	33.88	160	154	Average	HORIZONTAL
2	15724.62	58.72	74.00	-15.28	42.19	12.57	37.84	33.88	160	154	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15711.70	45.51	54.00	-8.49	28.95	12.57	37.87	33.88	162	170	Average	VERTICAL
2	15719.87	58.46	74.00	-15.54	41.93	12.57	37.84	33.88	162	170	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15770.10	45.67	54.00	-8.33	29.27	12.57	37.76	33.93	166	163	Average	HORIZONTAL
2	15778.62	58.84	74.00	-15.16	42.46	12.57	37.76	33.95	166	163	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15771.99	58.48	74.00	-15.52	42.08	12.57	37.76	33.93	168	187	Peak	VERTICAL
2	15778.62	45.42	54.00	-8.58	29.04	12.57	37.76	33.95	168	187	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10597.15	42.93	54.00	-11.07	28.00	10.16	38.40	33.63	160	217	Average	HORIZONTAL
2	10606.83	56.03	74.00	-17.97	41.06	10.19	38.40	33.62	160	217	Peak	HORIZONTAL
3	15890.58	58.44	74.00	-15.56	42.35	12.57	37.57	34.05	161	275	Peak	HORIZONTAL
4	15891.06	45.29	54.00	-8.71	29.20	12.57	37.57	34.05	161	275	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	10592.69	42.76	54.00	-11.24	27.83	10.16	38.40	33.63	159	238	Average	VERTICAL
2	10602.60	55.99	74.00	-18.01	41.02	10.19	38.40	33.62	159	238	Peak	VERTICAL
3	15896.89	58.64	74.00	-15.36	42.55	12.57	37.57	34.05	158	256	Peak	VERTICAL
4	15909.68	45.28	54.00	-8.72	29.26	12.56	37.54	34.08	158	256	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10644.78	42.43	54.00	-11.57	27.42	10.21	38.40	33.60	163	285	Average	HORIZONTAL
2	10647.47	56.58	74.00	-17.42	41.57	10.21	38.40	33.60	163	285	Peak	HORIZONTAL
3	15960.00	45.35	54.00	-8.65	29.46	12.56	37.46	34.13	164	302	Average	HORIZONTAL
4	15965.22	58.72	74.00	-15.28	42.83	12.56	37.46	34.13	164	302	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.58	56.43	74.00	-17.57	41.42	10.21	38.40	33.60	160	299	Peak	VERTICAL
2	10647.92	43.10	54.00	-10.90	28.09	10.21	38.40	33.60	160	299	Average	VERTICAL
3	15963.04	45.50	54.00	-8.50	29.61	12.56	37.46	34.13	162	283	Average	VERTICAL
4	15965.13	58.23	74.00	-15.77	42.34	12.56	37.46	34.13	162	283	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11001.63	56.29	74.00	-17.71	40.72	10.55	38.40	33.38	162	316	Peak	HORIZONTAL
2	11009.42	43.49	54.00	-10.51	27.89	10.56	38.42	33.38	162	316	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	10992.05	56.36	74.00	-17.64	40.79	10.55	38.40	33.38	160	333	Peak	VERTICAL
2	11001.44	43.45	54.00	-10.55	27.88	10.55	38.40	33.38	160	333	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11157.85	50.17	54.00	-3.83	34.38	10.60	38.57	33.38	178	309	Average	HORIZONTAL
2	11160.16	63.52	74.00	-10.48	47.73	10.60	38.57	33.38	178	309	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.13	59.69	74.00	-14.31	43.90	10.60	38.57	33.38	179	93	Peak	VERTICAL
2	11160.16	47.01	54.00	-6.99	31.22	10.60	38.57	33.38	179	93	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11403.17	44.27	54.00	-9.73	28.15	10.69	38.80	33.37	174	167	Average	HORIZONTAL
2	11406.96	57.23	74.00	-16.77	41.11	10.69	38.80	33.37	174	167	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.87	44.03	54.00	-9.97	27.93	10.69	38.78	33.37	177	188	Average	VERTICAL
2	11407.88	56.84	74.00	-17.16	40.72	10.69	38.80	33.37	177	188	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11437.69	50.76	54.00	-3.24	34.61	10.69	38.83	33.37	262	297	Average	HORIZONTAL
2	11445.90	65.75	74.00	-8.25	49.59	10.70	38.83	33.37	262	297	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.97	49.48	54.00	-4.52	33.33	10.69	38.83	33.37	286	320	Average	VERTICAL
2	11442.88	62.07	74.00	-11.93	45.91	10.70	38.83	33.37	286	320	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11484.55	57.44	74.00	-16.56	41.22	10.71	38.88	33.37	188	297	Peak	HORIZONTAL
2	11492.76	45.06	54.00	-8.94	28.84	10.71	38.88	33.37	188	297	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	11487.56	44.15	54.00	-9.85	27.93	10.71	38.88	33.37	184	278	Average	VERTICAL
2	11488.88	57.43	74.00	-16.57	41.21	10.71	38.88	33.37	184	278	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11567.31	64.98	74.00	-9.02	48.67	10.75	38.94	33.38	295	18	Peak	HORIZONTAL
2	11570.13	50.80	54.00	-3.20	34.49	10.76	38.94	33.39	295	18	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	11570.67	60.05	74.00	-13.95	43.74	10.76	38.94	33.39	227	26	Peak	VERTICAL
2	11570.83	47.24	54.00	-6.76	30.93	10.76	38.94	33.39	227	26	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11650.26	46.27	54.00	-7.73	29.89	10.81	38.98	33.41	225	22	Average	HORIZONTAL
2	11655.19	59.18	74.00	-14.82	42.79	10.81	38.99	33.41	225	22	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.07	59.45	74.00	-14.55	43.07	10.81	38.98	33.41	220	45	Peak	VERTICAL
2	11656.44	44.08	54.00	-9.92	27.69	10.81	38.99	33.41	220	45	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15565.51	59.03	74.00	-14.97	42.09	12.58	38.09	33.73	190	74	Peak	HORIZONTAL
2	15575.93	45.74	54.00	-8.26	28.82	12.58	38.09	33.75	190	74	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	15564.17	45.53	54.00	-8.47	28.59	12.58	38.09	33.73	192	98	Average	VERTICAL
2	15565.51	59.57	74.00	-14.43	42.63	12.58	38.09	33.73	192	98	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15686.76	58.47	74.00	-15.53	41.84	12.58	37.90	33.85	190	117	Peak	HORIZONTAL
2	15689.74	45.90	54.00	-8.10	29.27	12.58	37.90	33.85	190	117	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	15689.20	45.58	54.00	-8.42	28.95	12.58	37.90	33.85	188	135	Average	VERTICAL
2	15695.32	59.30	74.00	-14.70	42.67	12.58	37.90	33.85	188	135	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15802.08	45.11	54.00	-8.89	28.79	12.57	37.70	33.95	192	221	Average	HORIZONTAL
2	15806.09	58.12	74.00	-15.88	41.83	12.57	37.70	33.98	192	221	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15808.65	44.84	54.00	-9.16	28.55	12.57	37.70	33.98	190	237	Average	VERTICAL
2	15809.90	58.88	74.00	-15.12	42.59	12.57	37.70	33.98	190	237	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10611.57	43.08	54.00	-10.92	28.11	10.19	38.40	33.62	187	256	Average	HORIZONTAL
2	10625.16	55.64	74.00	-18.36	40.67	10.19	38.40	33.62	187	256	Peak	HORIZONTAL
3	15924.62	45.20	54.00	-8.80	29.21	12.56	37.51	34.08	185	272	Average	HORIZONTAL
4	15927.18	58.63	74.00	-15.37	42.64	12.56	37.51	34.08	185	272	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10622.63	43.09	54.00	-10.91	28.12	10.19	38.40	33.62	183	311	Average	VERTICAL
2	10625.61	57.19	74.00	-16.81	42.22	10.19	38.40	33.62	183	311	Peak	VERTICAL
3	15924.39	58.48	74.00	-15.52	42.49	12.56	37.51	34.08	186	290	Peak	VERTICAL
4	15935.67	45.11	54.00	-8.89	29.17	12.56	37.48	34.10	186	290	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11020.67	56.19	74.00	-17.81	40.59	10.56	38.42	33.38	179	342	Peak	HORIZONTAL
2	11027.56	43.52	54.00	-10.48	27.91	10.56	38.43	33.38	179	342	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	11024.39	43.44	54.00	-10.56	27.83	10.56	38.43	33.38	178	358	Average	VERTICAL
2	11029.81	56.91	74.00	-17.09	41.30	10.56	38.43	33.38	178	358	Peak	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11098.21	56.13	74.00	-17.87	40.43	10.58	38.50	33.38	165	330	Peak	HORIZONTAL
2	11099.55	43.41	54.00	-10.59	27.71	10.58	38.50	33.38	165	330	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	11090.93	43.14	54.00	-10.86	27.44	10.58	38.50	33.38	164	314	Average	VERTICAL
2	11105.00	55.67	74.00	-18.33	39.97	10.58	38.50	33.38	164	314	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11333.33	43.70	54.00	-10.30	27.68	10.66	38.73	33.37	162	298	Average	HORIZONTAL
2	11342.15	57.25	74.00	-16.75	41.22	10.67	38.73	33.37	162	298	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11334.17	43.52	54.00	-10.48	27.50	10.66	38.73	33.37	164	279	Average	VERTICAL
2	11342.02	56.97	74.00	-17.03	40.94	10.67	38.73	33.37	164	279	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11412.47	50.89	54.00	-3.11	34.77	10.69	38.80	33.37	297	3	Average	HORIZONTAL
2	11412.50	63.48	74.00	-10.52	47.36	10.69	38.80	33.37	297	3	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11418.01	47.63	54.00	-6.37	31.49	10.69	38.82	33.37	199	304	Average	VERTICAL
2	11421.31	60.57	74.00	-13.43	44.43	10.69	38.82	33.37	199	304	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11512.76	44.24	54.00	-9.76	27.99	10.72	38.90	33.37	197	284	Average	HORIZONTAL
2	11512.98	56.76	74.00	-17.24	40.51	10.72	38.90	33.37	197	284	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11510.67	57.33	74.00	-16.67	41.08	10.72	38.90	33.37	195	269	Peak	VERTICAL
2	11514.52	43.98	54.00	-10.02	27.72	10.72	38.91	33.37	195	269	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11582.37	44.03	54.00	-9.97	27.72	10.76	38.94	33.39	193	284	Average	HORIZONTAL
2	11597.82	56.88	74.00	-17.12	40.55	10.78	38.95	33.40	193	284	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11585.64	57.88	74.00	-16.12	41.56	10.76	38.95	33.39	195	302	Peak	VERTICAL
2	11597.12	43.89	54.00	-10.11	27.56	10.78	38.95	33.40	195	302	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15636.57	58.32	74.00	-15.68	41.56	12.58	37.98	33.80	194	287	Peak	HORIZONTAL
2	15638.94	45.56	54.00	-8.44	28.80	12.58	37.98	33.80	194	287	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	15631.67	45.37	54.00	-8.63	28.61	12.58	37.98	33.80	192	269	Average	VERTICAL
2	15634.58	58.60	74.00	-15.40	41.84	12.58	37.98	33.80	192	269	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15872.79	45.34	54.00	-8.66	29.21	12.57	37.59	34.03	194	255	Average	HORIZONTAL
2	15879.17	57.75	74.00	-16.25	41.62	12.57	37.59	34.03	194	255	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15867.60	45.14	54.00	-8.86	29.01	12.57	37.59	34.03	192	233	Average	VERTICAL
2	15878.33	57.94	74.00	-16.06	41.81	12.57	37.59	34.03	192	233	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11057.02	55.88	74.00	-18.12	40.22	10.57	38.47	33.38	191	218	Peak	HORIZONTAL
2	11064.97	43.36	54.00	-10.64	27.69	10.58	38.47	33.38	191	218	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	11050.71	56.75	74.00	-17.25	41.11	10.57	38.45	33.38	192	206	Peak	VERTICAL
2	11060.74	43.11	54.00	-10.89	27.44	10.58	38.47	33.38	192	206	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11213.59	56.32	74.00	-17.68	40.45	10.63	38.62	33.38	190	187	Peak	HORIZONTAL
2	11222.92	43.18	54.00	-10.82	27.31	10.63	38.62	33.38	190	187	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	11218.75	55.79	74.00	-18.21	39.92	10.63	38.62	33.38	185	203	Peak	VERTICAL
2	11228.72	43.05	54.00	-10.95	27.17	10.63	38.63	33.38	185	203	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11375.32	58.47	74.00	-15.53	42.39	10.68	38.77	33.37	244	36	Peak	HORIZONTAL
2	11385.00	45.73	54.00	-8.27	29.64	10.68	38.78	33.37	244	36	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	11388.08	44.66	54.00	-9.34	28.57	10.68	38.78	33.37	221	24	Average	VERTICAL
2	11388.72	57.29	74.00	-16.71	41.20	10.68	38.78	33.37	221	24	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11543.30	43.92	54.00	-10.08	27.65	10.73	38.92	33.38	222	48	Average	HORIZONTAL
2	11554.20	56.48	74.00	-17.52	40.18	10.75	38.93	33.38	222	48	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11540.00	43.74	54.00	-10.26	27.47	10.73	38.92	33.38	227	72	Average	VERTICAL
2	11543.62	56.60	74.00	-17.40	40.33	10.73	38.92	33.38	227	72	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15543.33	45.62	54.00	-8.38	28.60	12.58	38.14	33.70	175	73	Average	HORIZONTAL
2	15548.88	58.35	74.00	-15.65	41.38	12.58	38.12	33.73	175	73	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15530.61	59.17	74.00	-14.83	42.15	12.58	38.14	33.70	172	51	Peak	VERTICAL
2	15543.72	45.96	54.00	-8.04	28.96	12.58	38.12	33.70	172	51	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15597.15	45.41	54.00	-8.59	28.55	12.58	38.03	33.75	173	112	Average	HORIZONTAL
2	15597.85	59.10	74.00	-14.90	42.24	12.58	38.03	33.75	173	112	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15594.46	58.26	74.00	-15.74	41.37	12.58	38.06	33.75	177	94	Peak	VERTICAL
2	15608.27	45.65	54.00	-8.35	28.82	12.58	38.03	33.78	177	94	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15712.21	45.48	54.00	-8.52	28.92	12.57	37.87	33.88	167	121	Average	HORIZONTAL
2	15723.65	57.98	74.00	-16.02	41.45	12.57	37.84	33.88	167	121	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15712.08	45.62	54.00	-8.38	29.06	12.57	37.87	33.88	169	93	Average	VERTICAL
2	15722.95	58.82	74.00	-15.18	42.29	12.57	37.84	33.88	169	93	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15779.39	58.50	74.00	-15.50	42.12	12.57	37.76	33.95	168	302	Peak	HORIZONTAL
2	15781.99	45.91	54.00	-8.09	29.56	12.57	37.73	33.95	168	302	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	15776.03	47.09	54.00	-6.91	30.69	12.57	37.76	33.93	172	323	Average	VERTICAL
2	15782.18	60.17	74.00	-13.83	43.82	12.57	37.73	33.95	172	323	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10592.08	55.99	74.00	-18.01	41.06	10.16	38.40	33.63	162	260	Peak	HORIZONTAL
2	10597.56	42.77	54.00	-11.23	27.84	10.16	38.40	33.63	162	260	Average	HORIZONTAL
3	15890.87	45.02	54.00	-8.98	28.93	12.57	37.57	34.05	163	280	Average	HORIZONTAL
4	15899.74	58.64	74.00	-15.36	42.55	12.57	37.57	34.05	163	280	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10598.56	55.83	74.00	-18.17	40.90	10.16	38.40	33.63	166	283	Peak	VERTICAL
2	10604.81	43.04	54.00	-10.96	28.07	10.19	38.40	33.62	166	283	Average	VERTICAL
3	15894.04	58.32	74.00	-15.68	42.23	12.57	37.57	34.05	165	300	Peak	VERTICAL
4	15894.39	45.11	54.00	-8.89	29.02	12.57	37.57	34.05	165	300	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10638.56	42.81	54.00	-11.19	27.80	10.21	38.40	33.60	156	285	Average	HORIZONTAL
2	10638.91	55.66	74.00	-18.34	40.65	10.21	38.40	33.60	156	285	Peak	HORIZONTAL
3	15954.46	58.09	74.00	-15.91	42.17	12.56	37.46	34.10	158	302	Peak	HORIZONTAL
4	15966.41	45.22	54.00	-8.78	29.33	12.56	37.46	34.13	158	302	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	10637.18	43.03	54.00	-10.97	28.02	10.21	38.40	33.60	163	273	Average	VERTICAL
2	10645.38	56.15	74.00	-17.85	41.14	10.21	38.40	33.60	163	273	Peak	VERTICAL
3	15958.46	58.34	74.00	-15.66	42.45	12.56	37.46	34.13	160	286	Peak	VERTICAL
4	15967.72	45.16	54.00	-8.84	29.27	12.56	37.46	34.13	160	286	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10991.47	55.95	74.00	-18.05	40.38	10.55	38.40	33.38	151	282	Peak	HORIZONTAL
2	10995.87	43.23	54.00	-10.77	27.66	10.55	38.40	33.38	151	282	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	11001.22	43.36	54.00	-10.64	27.79	10.55	38.40	33.38	153	302	Average	VERTICAL
2	11003.24	55.95	74.00	-18.05	40.38	10.55	38.40	33.38	153	302	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11159.17	50.97	54.00	-3.03	35.18	10.60	38.57	33.38	151	5	Average	HORIZONTAL
2	11161.44	63.70	74.00	-10.30	47.91	10.60	38.57	33.38	151	5	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.55	46.80	54.00	-7.20	31.01	10.60	38.57	33.38	152	303	Average	VERTICAL
2	11160.83	59.67	74.00	-14.33	43.88	10.60	38.57	33.38	152	303	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11395.54	43.81	54.00	-10.19	27.69	10.69	38.80	33.37	153	291	Average	HORIZONTAL
2	11399.49	57.70	74.00	-16.30	41.58	10.69	38.80	33.37	153	291	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11403.94	57.08	74.00	-16.92	40.96	10.69	38.80	33.37	151	272	Peak	VERTICAL
2	11404.23	43.74	54.00	-10.26	27.62	10.69	38.80	33.37	151	272	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11437.95	64.29	74.00	-9.71	48.14	10.69	38.83	33.37	209	360	Peak	HORIZONTAL
2	11440.54	50.84	54.00	-3.16	34.69	10.69	38.83	33.37	209	360	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	11439.55	47.28	54.00	-6.72	31.13	10.69	38.83	33.37	161	287	Average	VERTICAL
2	11440.00	60.22	74.00	-13.78	44.07	10.69	38.83	33.37	161	287	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11491.35	44.09	54.00	-9.91	27.87	10.71	38.88	33.37	162	287	Average	HORIZONTAL
2	11497.28	57.14	74.00	-16.86	40.91	10.72	38.88	33.37	162	287	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11486.31	57.26	74.00	-16.74	41.04	10.71	38.88	33.37	159	271	Peak	VERTICAL
2	11488.62	44.09	54.00	-9.91	27.87	10.71	38.88	33.37	159	271	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11572.44	64.60	74.00	-9.40	48.29	10.76	38.94	33.39	155	316	Peak	HORIZONTAL
2	11573.78	50.81	54.00	-3.19	34.50	10.76	38.94	33.39	155	316	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	11570.58	47.25	54.00	-6.75	30.94	10.76	38.94	33.39	161	9	Average	VERTICAL
2	11575.61	59.94	74.00	-14.06	43.63	10.76	38.94	33.39	161	9	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11649.68	43.88	54.00	-10.12	27.50	10.81	38.98	33.41	159	76	Average	HORIZONTAL
2	11655.48	56.73	74.00	-17.27	40.34	10.81	38.99	33.41	159	76	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11645.93	43.67	54.00	-10.33	27.30	10.79	38.98	33.40	161	96	Average	VERTICAL
2	11646.12	56.74	74.00	-17.26	40.37	10.79	38.98	33.40	161	96	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15571.96	58.10	74.00	-15.90	41.16	12.58	38.09	33.73	153	287	Peak	HORIZONTAL
2	15577.69	45.38	54.00	-8.62	28.49	12.58	38.06	33.75	153	287	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	15560.38	57.88	74.00	-16.12	40.91	12.58	38.12	33.73	151	81	Peak	VERTICAL
2	15580.13	45.54	54.00	-8.46	28.65	12.58	38.06	33.75	151	81	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15682.85	45.66	54.00	-8.34	29.03	12.58	37.90	33.85	157	12	Average	HORIZONTAL
2	15692.63	58.28	74.00	-15.72	41.65	12.58	37.90	33.85	157	12	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15683.78	45.41	54.00	-8.59	28.78	12.58	37.90	33.85	142	93	Average	VERTICAL
2	15696.60	58.01	74.00	-15.99	41.41	12.58	37.87	33.85	142	93	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15809.21	45.43	54.00	-8.57	29.14	12.57	37.70	33.98	193	324	Average	HORIZONTAL
2	15809.57	58.64	74.00	-15.36	42.35	12.57	37.70	33.98	193	324	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15805.59	44.65	54.00	-9.35	28.36	12.57	37.70	33.98	152	7	Average	VERTICAL
2	15805.66	57.66	74.00	-16.34	41.37	12.57	37.70	33.98	152	7	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	10615.95	55.86	74.00	-18.14	40.89	10.19	38.40	33.62	140	23	Peak	HORIZONTAL
2	10621.60	42.88	54.00	-11.12	27.91	10.19	38.40	33.62	140	23	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	10617.39	55.97	74.00	-18.03	41.00	10.19	38.40	33.62	142	54	Peak	VERTICAL
2	10619.70	42.89	54.00	-11.11	27.92	10.19	38.40	33.62	142	54	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11015.43	57.00	74.00	-17.00	41.40	10.56	38.42	33.38	153	136	Peak	HORIZONTAL
2	11016.04	43.13	54.00	-10.87	27.53	10.56	38.42	33.38	153	136	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	11018.27	43.01	54.00	-10.99	27.41	10.56	38.42	33.38	160	190	Average	VERTICAL
2	11019.65	56.19	74.00	-17.81	40.59	10.56	38.42	33.38	160	190	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11099.98	62.69	74.00	-11.31	46.99	10.58	38.50	33.38	142	28	Peak	HORIZONTAL
2	11104.82	45.82	54.00	-8.18	30.12	10.58	38.50	33.38	142	28	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	11096.84	43.37	54.00	-10.63	27.67	10.58	38.50	33.38	144	111	Average	VERTICAL
2	11102.85	55.73	74.00	-18.27	40.03	10.58	38.50	33.38	144	111	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11339.86	43.41	54.00	-10.59	27.39	10.66	38.73	33.37	144	299	Average	HORIZONTAL
2	11340.11	57.12	74.00	-16.88	41.10	10.66	38.73	33.37	144	299	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11335.77	43.35	54.00	-10.65	27.33	10.66	38.73	33.37	153	255	Average	VERTICAL
2	11344.17	56.14	74.00	-17.86	40.11	10.67	38.73	33.37	153	255	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11419.84	66.94	74.00	-7.06	50.80	10.69	38.82	33.37	300	355	Peak	HORIZONTAL
2	11420.35	49.48	54.00	-4.52	33.34	10.69	38.82	33.37	300	355	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	11418.72	44.65	54.00	-9.35	28.51	10.69	38.82	33.37	147	46	Average	VERTICAL
2	11424.10	57.95	74.00	-16.05	41.81	10.69	38.82	33.37	147	46	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11507.40	43.69	54.00	-10.31	27.44	10.72	38.90	33.37	157	164	Average	HORIZONTAL
2	11508.96	56.34	74.00	-17.66	40.09	10.72	38.90	33.37	157	164	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11507.48	43.62	54.00	-10.38	27.37	10.72	38.90	33.37	152	234	Average	VERTICAL
2	11511.19	56.86	74.00	-17.14	40.61	10.72	38.90	33.37	152	234	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11570.56	44.27	54.00	-9.73	27.96	10.76	38.94	33.39	144	273	Average	HORIZONTAL
2	11571.14	56.65	74.00	-17.35	40.34	10.76	38.94	33.39	144	273	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11567.63	56.22	74.00	-17.78	39.91	10.75	38.94	33.38	136	191	Peak	VERTICAL
2	11571.30	43.37	54.00	-10.63	27.06	10.76	38.94	33.39	136	191	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15628.06	58.02	74.00	-15.98	41.23	12.58	38.01	33.80	152	308	Peak	HORIZONTAL
2	15630.85	45.17	54.00	-8.83	28.41	12.58	37.98	33.80	152	308	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	15627.60	45.22	54.00	-8.78	28.43	12.58	38.01	33.80	146	233	Average	VERTICAL
2	15634.25	58.29	74.00	-15.71	41.53	12.58	37.98	33.80	146	233	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	15868.46	58.23	74.00	-15.77	42.10	12.57	37.59	34.03	154	324	Peak	HORIZONTAL
2	15874.52	45.17	54.00	-8.83	29.04	12.57	37.59	34.03	154	324	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	15868.70	44.97	54.00	-9.03	28.84	12.57	37.59	34.03	145	245	Average	VERTICAL
2	15872.00	58.49	74.00	-15.51	42.36	12.57	37.59	34.03	145	245	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11061.15	43.42	54.00	-10.58	27.75	10.58	38.47	33.38	145	269	Average	HORIZONTAL
2	11063.67	56.39	74.00	-17.61	40.72	10.58	38.47	33.38	145	269	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11057.32	56.35	74.00	-17.65	40.69	10.57	38.47	33.38	152	212	Peak	VERTICAL
2	11058.24	43.37	54.00	-10.63	27.71	10.57	38.47	33.38	152	212	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11221.22	44.48	54.00	-9.52	28.61	10.63	38.62	33.38	158	356	Average	HORIZONTAL
2	11223.41	57.92	74.00	-16.08	42.05	10.63	38.62	33.38	158	356	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11215.80	43.54	54.00	-10.46	27.67	10.63	38.62	33.38	149	174	Average	VERTICAL
2	11215.95	56.01	74.00	-17.99	40.14	10.63	38.62	33.38	149	174	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11379.82	59.64	74.00	-14.36	43.55	10.68	38.78	33.37	249	356	Peak	HORIZONTAL
2	11384.49	46.79	54.00	-7.21	30.70	10.68	38.78	33.37	249	356	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	11376.36	45.14	54.00	-8.86	29.06	10.68	38.77	33.37	215	309	Average	VERTICAL
2	11379.28	58.00	74.00	-16.00	41.91	10.68	38.78	33.37	215	309	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	11553.43	57.02	74.00	-16.98	40.72	10.75	38.93	33.38	171	283	Peak	HORIZONTAL
2	11554.25	43.77	54.00	-10.23	27.47	10.75	38.93	33.38	171	283	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	11546.63	43.70	54.00	-10.30	27.41	10.75	38.92	33.38	137	198	Average	VERTICAL
2	11549.58	56.95	74.00	-17.05	40.65	10.75	38.93	33.38	137	198	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15541.41	57.85	74.00	-16.15	40.83	12.58	38.14	33.70	178	137	Peak	HORIZONTAL
2	15543.13	45.27	54.00	-8.73	28.25	12.58	38.14	33.70	178	137	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	15538.59	46.50	54.00	-7.50	29.48	12.58	38.14	33.70	178	19	Average	VERTICAL
2	15542.05	60.54	74.00	-13.46	43.52	12.58	38.14	33.70	178	19	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15596.03	46.15	54.00	-7.85	29.29	12.58	38.03	33.75	178	354	Average	HORIZONTAL
2	15596.35	59.28	74.00	-14.72	42.42	12.58	38.03	33.75	178	354	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15597.32	48.58	54.00	-5.42	31.72	12.58	38.03	33.75	172	22	Average	VERTICAL
2	15603.30	62.06	74.00	-11.94	45.23	12.58	38.03	33.78	172	22	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15715.85	58.82	74.00	-15.18	42.29	12.57	37.84	33.88	173	356	Peak	HORIZONTAL
2	15716.70	46.07	54.00	-7.93	29.54	12.57	37.84	33.88	173	356	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	15718.04	48.46	54.00	-5.54	31.93	12.57	37.84	33.88	174	22	Average	VERTICAL
2	15723.40	63.33	74.00	-10.67	46.80	12.57	37.84	33.88	174	22	Peak	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11489.23	45.24	54.00	-8.76	29.02	10.71	38.88	33.37	161	32	Average	HORIZONTAL
2	11491.45	60.00	74.00	-14.00	43.78	10.71	38.88	33.37	161	32	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11488.64	49.47	54.00	-4.53	33.25	10.71	38.88	33.37	173	297	Average	VERTICAL
2	11490.52	64.15	74.00	-9.85	47.93	10.71	38.88	33.37	173	297	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11573.22	60.01	74.00	-13.99	43.70	10.76	38.94	33.39	172	32	Peak	HORIZONTAL
2	11573.50	45.80	54.00	-8.20	29.49	10.76	38.94	33.39	172	32	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	11569.88	50.81	54.00	-3.19	34.50	10.76	38.94	33.39	176	296	Average	VERTICAL
2	11572.52	65.38	74.00	-8.62	49.07	10.76	38.94	33.39	176	296	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11650.35	46.69	54.00	-7.31	30.31	10.81	38.98	33.41	172	330	Average	HORIZONTAL
2	11650.37	59.90	74.00	-14.10	43.52	10.81	38.98	33.41	172	330	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11650.72	50.12	54.00	-3.88	33.73	10.81	38.99	33.41	177	296	Average	VERTICAL
2	11651.24	64.82	74.00	-9.18	48.43	10.81	38.99	33.41	177	296	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15535.32	48.42	54.00	-5.58	31.40	12.58	38.14	33.70	133	239	Average	HORIZONTAL
2	15541.08	60.68	74.00	-13.32	43.66	12.58	38.14	33.70	133	239	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15532.84	48.80	54.00	-5.20	31.78	12.58	38.14	33.70	130	273	Average	VERTICAL
2	15537.64	61.41	74.00	-12.59	44.39	12.58	38.14	33.70	130	273	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15592.40	47.93	54.00	-6.07	31.04	12.58	38.06	33.75	147	285	Average	HORIZONTAL
2	15597.88	62.05	74.00	-11.95	45.19	12.58	38.03	33.75	147	285	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15593.24	49.20	54.00	-4.80	32.31	12.58	38.06	33.75	130	349	Average	VERTICAL
2	15597.36	61.54	74.00	-12.46	44.68	12.58	38.03	33.75	130	349	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15714.36	59.92	74.00	-14.08	43.39	12.57	37.84	33.88	123	125	Peak	HORIZONTAL
2	15725.60	46.91	54.00	-7.09	30.38	12.57	37.84	33.88	123	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	15717.36	60.53	74.00	-13.47	44.00	12.57	37.84	33.88	148	16	Peak	VERTICAL
2	15721.72	48.21	54.00	-5.79	31.68	12.57	37.84	33.88	148	16	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11494.80	45.45	54.00	-8.55	29.22	10.72	38.88	33.37	130	141	Average	HORIZONTAL
2	11495.96	57.51	74.00	-16.49	41.28	10.72	38.88	33.37	130	141	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.88	49.36	54.00	-4.64	33.14	10.71	38.88	33.37	126	294	Average	VERTICAL
2	11495.80	62.21	74.00	-11.79	45.98	10.72	38.88	33.37	126	294	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11564.32	61.06	74.00	-12.94	44.76	10.75	38.93	33.38	146	30	Peak	HORIZONTAL
2	11569.76	46.90	54.00	-7.10	30.59	10.76	38.94	33.39	146	30	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	11570.60	50.95	54.00	-3.05	34.64	10.76	38.94	33.39	146	295	Average	VERTICAL
2	11578.16	65.29	74.00	-8.71	48.98	10.76	38.94	33.39	146	295	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11648.36	58.56	74.00	-15.44	42.18	10.81	38.98	33.41	146	299	Peak	HORIZONTAL
2	11651.16	45.43	54.00	-8.57	29.04	10.81	38.99	33.41	146	299	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	11650.12	46.65	54.00	-7.35	30.27	10.81	38.98	33.41	151	314	Average	VERTICAL
2	11652.92	60.23	74.00	-13.77	43.84	10.81	38.99	33.41	151	314	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15569.28	60.80	74.00	-13.20	43.86	12.58	38.09	33.73	140	110	Peak	HORIZONTAL
2	15578.32	47.64	54.00	-6.36	30.75	12.58	38.06	33.75	140	110	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	15562.20	47.73	54.00	-6.27	30.79	12.58	38.09	33.73	139	154	Average	VERTICAL
2	15567.44	60.16	74.00	-13.84	43.22	12.58	38.09	33.73	139	154	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15686.96	59.17	74.00	-14.83	42.54	12.58	37.90	33.85	137	282	Peak	HORIZONTAL
2	15697.48	46.66	54.00	-7.34	30.06	12.58	37.87	33.85	137	282	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	15685.56	46.73	54.00	-7.27	30.10	12.58	37.90	33.85	135	193	Average	VERTICAL
2	15695.00	59.24	74.00	-14.76	42.61	12.58	37.90	33.85	135	193	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11509.44	56.19	74.00	-17.81	39.94	10.72	38.90	33.37	163	228	Peak	HORIZONTAL
2	11517.80	43.80	54.00	-10.20	27.54	10.72	38.91	33.37	163	228	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	11510.76	57.22	74.00	-16.78	40.97	10.72	38.90	33.37	177	292	Peak	VERTICAL
2	11515.44	44.02	54.00	-9.98	27.76	10.72	38.91	33.37	177	292	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11590.00	44.64	54.00	-9.36	28.32	10.76	38.95	33.39	152	304	Average	HORIZONTAL
2	11592.92	57.85	74.00	-16.15	41.53	10.76	38.95	33.39	152	304	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11590.20	47.28	54.00	-6.72	30.96	10.76	38.95	33.39	139	310	Average	VERTICAL
2	11592.28	60.04	74.00	-13.96	43.72	10.76	38.95	33.39	139	310	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15623.92	47.21	54.00	-6.79	30.40	12.58	38.01	33.78	142	157	Average	HORIZONTAL
2	15638.60	60.01	74.00	-13.99	43.25	12.58	37.98	33.80	142	157	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15620.32	47.14	54.00	-6.86	30.33	12.58	38.01	33.78	127	258	Average	VERTICAL
2	15629.04	60.18	74.00	-13.82	43.42	12.58	37.98	33.80	127	258	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11540.60	43.46	54.00	-10.54	27.19	10.73	38.92	33.38	166	327	Average	HORIZONTAL
2	11549.80	57.14	74.00	-16.86	40.84	10.75	38.93	33.38	166	327	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11555.92	43.29	54.00	-10.71	26.99	10.75	38.93	33.38	156	234	Average	VERTICAL
2	11558.68	56.08	74.00	-17.92	39.78	10.75	38.93	33.38	156	234	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15530.54	59.60	74.00	-14.40	42.58	12.58	38.14	33.70	149	52	Peak	HORIZONTAL
2	15541.31	46.18	54.00	-7.82	29.16	12.58	38.14	33.70	149	52	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	15530.48	59.39	74.00	-14.61	42.37	12.58	38.14	33.70	152	73	Peak	VERTICAL
2	15540.10	45.73	54.00	-8.27	28.71	12.58	38.14	33.70	152	73	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15595.48	45.16	54.00	-8.84	28.30	12.58	38.03	33.75	153	104	Average	HORIZONTAL
2	15597.85	58.60	74.00	-15.40	41.74	12.58	38.03	33.75	153	104	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15590.67	45.38	54.00	-8.62	28.49	12.58	38.06	33.75	150	88	Average	VERTICAL
2	15596.96	58.49	74.00	-15.51	41.63	12.58	38.03	33.75	150	88	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15714.13	57.93	74.00	-16.07	41.40	12.57	37.84	33.88	156	134	Peak	HORIZONTAL
2	15729.33	45.19	54.00	-8.81	28.68	12.57	37.84	33.90	156	134	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	15714.17	58.88	74.00	-15.12	42.35	12.57	37.84	33.88	154	123	Peak	VERTICAL
2	15720.29	45.36	54.00	-8.64	28.83	12.57	37.84	33.88	154	123	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11490.83	45.14	54.00	-8.86	28.92	10.71	38.88	33.37	151	290	Average	HORIZONTAL
2	11493.11	58.32	74.00	-15.68	42.10	10.71	38.88	33.37	151	290	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.00	50.13	54.00	-3.87	33.91	10.71	38.88	33.37	152	307	Average	VERTICAL
2	11494.17	62.08	74.00	-11.92	45.85	10.72	38.88	33.37	152	307	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11561.06	56.56	74.00	-17.44	40.26	10.75	38.93	33.38	147	248	Peak	HORIZONTAL
2	11572.95	43.83	54.00	-10.17	27.52	10.76	38.94	33.39	147	248	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	11570.35	50.82	54.00	-3.18	34.51	10.76	38.94	33.39	148	265	Average	VERTICAL
2	11574.68	63.85	74.00	-10.15	47.54	10.76	38.94	33.39	148	265	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11643.65	45.19	54.00	-8.81	28.82	10.79	38.98	33.40	154	334	Average	HORIZONTAL
2	11646.19	58.25	74.00	-15.75	41.88	10.79	38.98	33.40	154	334	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11643.88	62.18	74.00	-11.82	45.81	10.79	38.98	33.40	154	291	Peak	VERTICAL
2	11650.00	49.79	54.00	-4.21	33.41	10.81	38.98	33.41	154	291	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 25, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15562.82	45.36	54.00	-8.64	28.42	12.58	38.09	33.73	156	325	Average	HORIZONTAL
2	15578.78	58.05	74.00	-15.95	41.16	12.58	38.06	33.75	156	325	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15561.63	45.24	54.00	-8.76	28.30	12.58	38.09	33.73	154	341	Average	VERTICAL
2	15561.79	58.41	74.00	-15.59	41.47	12.58	38.09	33.73	154	341	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 25, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15688.81	45.48	54.00	-8.52	28.85	12.58	37.90	33.85	155	298	Average	HORIZONTAL
2	15699.84	58.69	74.00	-15.31	42.09	12.58	37.87	33.85	155	298	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15684.13	44.23	54.00	-9.77	27.60	12.58	37.90	33.85	156	312	Average	VERTICAL
2	15690.77	58.43	74.00	-15.57	41.80	12.58	37.90	33.85	156	312	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 25, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11502.92	44.06	54.00	-9.94	27.81	10.72	38.90	33.37	156	279	Average	HORIZONTAL
2	11505.96	56.34	74.00	-17.66	40.09	10.72	38.90	33.37	156	279	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11500.03	56.63	74.00	-17.37	40.38	10.72	38.90	33.37	154	289	Peak	VERTICAL
2	11506.38	43.79	54.00	-10.21	27.54	10.72	38.90	33.37	154	289	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 25, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11581.79	57.65	74.00	-16.35	41.34	10.76	38.94	33.39	152	251	Peak	HORIZONTAL
2	11599.10	43.68	54.00	-10.32	27.35	10.78	38.95	33.40	152	251	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	11582.34	56.60	74.00	-17.40	40.29	10.76	38.94	33.39	154	263	Peak	VERTICAL
2	11593.33	42.79	54.00	-11.21	26.47	10.76	38.95	33.39	154	263	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 25, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	15623.75	58.52	74.00	-15.48	41.71	12.58	38.01	33.78	153	268	Peak	HORIZONTAL
2	15636.41	45.35	54.00	-8.65	28.59	12.58	37.98	33.80	153	268	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	15634.90	44.02	54.00	-9.98	27.26	12.58	37.98	33.80	155	284	Average	VERTICAL
2	15636.73	58.01	74.00	-15.99	41.25	12.58	37.98	33.80	155	284	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 25, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	11540.42	43.68	54.00	-10.32	27.41	10.73	38.92	33.38	158	247	Average	HORIZONTAL
2	11545.90	56.62	74.00	-17.38	40.33	10.75	38.92	33.38	158	247	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11540.35	57.04	74.00	-16.96	40.77	10.73	38.92	33.38	160	265	Peak	VERTICAL
2	11550.03	42.57	54.00	-11.43	26.27	10.75	38.93	33.38	160	265	Average	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	45.04	54.00	-8.96	28.02	12.58	38.14	33.70	136	65	Average	HORIZONTAL
2	15540.88	58.83	74.00	-15.17	41.81	12.58	38.14	33.70	136	65	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15540.58	45.31	54.00	-8.69	28.29	12.58	38.14	33.70	174	53	Average	VERTICAL
2	15542.74	58.38	74.00	-15.62	41.36	12.58	38.14	33.70	174	53	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15596.01	44.93	54.00	-9.07	28.07	12.58	38.03	33.75	146	139	Average	HORIZONTAL
2	15596.92	57.88	74.00	-16.12	41.02	12.58	38.03	33.75	146	139	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15596.71	57.87	74.00	-16.13	41.01	12.58	38.03	33.75	153	344	Peak	VERTICAL
2	15596.96	45.53	54.00	-8.47	28.67	12.58	38.03	33.75	153	344	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15715.05	44.81	54.00	-9.19	28.28	12.57	37.84	33.88	135	286	Average	HORIZONTAL
2	15723.54	57.79	74.00	-16.21	41.26	12.57	37.84	33.88	135	286	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15716.14	44.83	54.00	-9.17	28.30	12.57	37.84	33.88	143	101	Average	VERTICAL
2	15721.35	57.55	74.00	-16.45	41.02	12.57	37.84	33.88	143	101	Peak	VERTICAL

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11490.69	45.22	54.00	-8.78	29.00	10.71	38.88	33.37	141	37	Average	HORIZONTAL
2	11491.15	58.28	74.00	-15.72	42.06	10.71	38.88	33.37	141	37	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.30	60.44	74.00	-13.56	44.22	10.71	38.88	33.37	158	289	Peak	VERTICAL
2	11490.87	46.39	54.00	-7.61	30.17	10.71	38.88	33.37	158	289	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11573.77	56.70	74.00	-17.30	40.39	10.76	38.94	33.39	166	9	Peak	HORIZONTAL
2	11574.98	44.33	54.00	-9.67	28.02	10.76	38.94	33.39	166	9	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	11570.53	58.75	74.00	-15.25	42.44	10.76	38.94	33.39	162	283	Peak	VERTICAL
2	11570.74	45.93	54.00	-8.07	29.62	10.76	38.94	33.39	162	283	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11648.11	56.69	74.00	-17.31	40.31	10.81	38.98	33.41	199	349	Peak	HORIZONTAL
2	11654.36	43.71	54.00	-10.29	27.32	10.81	38.99	33.41	199	349	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	11652.56	60.80	74.00	-13.20	44.41	10.81	38.99	33.41	192	7	Peak	VERTICAL
2	11652.60	47.32	54.00	-6.68	30.93	10.81	38.99	33.41	192	7	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15538.22	57.60	74.00	-16.40	40.58	12.58	38.14	33.70	149	191	Peak	HORIZONTAL
2	15541.39	44.70	54.00	-9.30	27.68	12.58	38.14	33.70	149	191	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	15540.10	44.78	54.00	-9.22	27.76	12.58	38.14	33.70	154	316	Average	VERTICAL
2	15543.48	57.90	74.00	-16.10	40.88	12.58	38.14	33.70	154	316	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15595.53	44.50	54.00	-9.50	27.64	12.58	38.03	33.75	152	318	Average	HORIZONTAL
2	15597.72	57.19	74.00	-16.81	40.33	12.58	38.03	33.75	152	318	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15596.20	57.15	74.00	-16.85	40.29	12.58	38.03	33.75	157	22	Peak	VERTICAL
2	15597.52	44.65	54.00	-9.35	27.79	12.58	38.03	33.75	157	22	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15717.66	57.70	74.00	-16.30	41.17	12.57	37.84	33.88	151	278	Peak	HORIZONTAL
2	15719.31	44.39	54.00	-9.61	27.86	12.57	37.84	33.88	151	278	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	15720.59	44.94	54.00	-9.06	28.41	12.57	37.84	33.88	165	2	Average	VERTICAL
2	15723.54	57.43	74.00	-16.57	40.90	12.57	37.84	33.88	165	2	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11490.27	43.28	54.00	-10.72	27.06	10.71	38.88	33.37	148	234	Average	HORIZONTAL
2	11493.17	56.58	74.00	-17.42	40.36	10.71	38.88	33.37	148	234	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11492.76	57.62	74.00	-16.38	41.40	10.71	38.88	33.37	165	18	Peak	VERTICAL
2	11494.62	44.42	54.00	-9.58	28.19	10.72	38.88	33.37	165	18	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11569.78	57.07	74.00	-16.93	40.76	10.76	38.94	33.39	158	47	Peak	HORIZONTAL
2	11573.17	43.71	54.00	-10.29	27.40	10.76	38.94	33.39	158	47	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	11570.29	45.82	54.00	-8.18	29.51	10.76	38.94	33.39	145	284	Average	VERTICAL
2	11570.34	58.62	74.00	-15.38	42.31	10.76	38.94	33.39	145	284	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11646.96	43.48	54.00	-10.52	27.10	10.81	38.98	33.41	177	208	Average	HORIZONTAL
2	11648.56	56.28	74.00	-17.72	39.90	10.81	38.98	33.41	177	208	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11648.14	58.06	74.00	-15.94	41.68	10.81	38.98	33.41	208	279	Peak	VERTICAL
2	11650.38	44.86	54.00	-9.14	28.48	10.81	38.98	33.41	208	279	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15565.63	58.70	74.00	-15.30	41.76	12.58	38.09	33.73	144	280	Peak	HORIZONTAL
2	15572.15	45.27	54.00	-8.73	28.33	12.58	38.09	33.73	144	280	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	15565.06	58.39	74.00	-15.61	41.45	12.58	38.09	33.73	170	150	Peak	VERTICAL
2	15571.75	45.26	54.00	-8.74	28.32	12.58	38.09	33.73	170	150	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15692.76	45.24	54.00	-8.76	28.61	12.58	37.90	33.85	152	256	Average	HORIZONTAL
2	15693.19	58.19	74.00	-15.81	41.56	12.58	37.90	33.85	152	256	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15688.97	45.40	54.00	-8.60	28.77	12.58	37.90	33.85	154	332	Average	VERTICAL
2	15693.24	58.52	74.00	-15.48	41.89	12.58	37.90	33.85	154	332	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11514.86	57.02	74.00	-16.98	40.76	10.72	38.91	33.37	141	252	Peak	HORIZONTAL
2	11514.95	43.65	54.00	-10.35	27.39	10.72	38.91	33.37	141	252	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	11506.52	43.64	54.00	-10.36	27.39	10.72	38.90	33.37	152	104	Average	VERTICAL
2	11514.41	56.82	74.00	-17.18	40.57	10.72	38.90	33.37	152	104	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11590.30	43.70	54.00	-10.30	27.38	10.76	38.95	33.39	154	80	Average	HORIZONTAL
2	11592.21	56.57	74.00	-17.43	40.25	10.76	38.95	33.39	154	80	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11587.37	57.09	74.00	-16.91	40.77	10.76	38.95	33.39	160	119	Peak	VERTICAL
2	11589.44	43.97	54.00	-10.03	27.65	10.76	38.95	33.39	160	119	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15627.55	44.78	54.00	-9.22	27.99	12.58	38.01	33.80	152	144	Average	HORIZONTAL
2	15631.27	58.35	74.00	-15.65	41.59	12.58	37.98	33.80	152	144	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15627.28	44.83	54.00	-9.17	28.04	12.58	38.01	33.80	148	253	Average	VERTICAL
2	15631.38	57.90	74.00	-16.10	41.14	12.58	37.98	33.80	148	253	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11547.13	43.10	54.00	-10.90	26.81	10.75	38.92	33.38	165	176	Average	HORIZONTAL
2	11552.61	56.78	74.00	-17.22	40.48	10.75	38.93	33.38	165	176	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11546.43	56.83	74.00	-17.17	40.54	10.75	38.92	33.38	146	309	Peak	VERTICAL
2	11549.17	42.89	54.00	-11.11	26.59	10.75	38.93	33.38	146	309	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15539.20	60.34	74.00	-13.66	43.32	12.58	38.14	33.70	155	106	Peak	HORIZONTAL
2	15540.91	47.41	54.00	-6.59	30.39	12.58	38.14	33.70	155	106	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	15542.02	47.45	54.00	-6.55	30.43	12.58	38.14	33.70	181	319	Average	VERTICAL
2	15544.26	60.43	74.00	-13.57	43.43	12.58	38.12	33.70	181	319	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15596.97	47.36	54.00	-6.64	30.50	12.58	38.03	33.75	172	43	Average	HORIZONTAL
2	15598.73	60.06	74.00	-13.94	43.20	12.58	38.03	33.75	172	43	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15598.08	47.19	54.00	-6.81	30.33	12.58	38.03	33.75	165	222	Average	VERTICAL
2	15603.11	59.55	74.00	-14.45	42.72	12.58	38.03	33.78	165	222	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15716.70	61.27	74.00	-12.73	44.74	12.57	37.84	33.88	172	268	Peak	HORIZONTAL
2	15720.56	47.50	54.00	-6.50	30.97	12.57	37.84	33.88	172	268	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	15717.55	47.40	54.00	-6.60	30.87	12.57	37.84	33.88	155	73	Average	VERTICAL
2	15721.67	60.20	74.00	-13.80	43.67	12.57	37.84	33.88	155	73	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11490.00	46.58	54.00	-7.42	30.36	10.71	38.88	33.37	160	43	Average	HORIZONTAL
2	11492.00	59.10	74.00	-14.90	42.88	10.71	38.88	33.37	160	43	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11488.81	60.41	74.00	-13.59	44.19	10.71	38.88	33.37	145	295	Peak	VERTICAL
2	11489.79	48.16	54.00	-5.84	31.94	10.71	38.88	33.37	145	295	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11567.61	46.42	54.00	-7.58	30.11	10.75	38.94	33.38	157	194	Average	HORIZONTAL
2	11574.36	58.38	74.00	-15.62	42.07	10.76	38.94	33.39	157	194	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11565.03	59.64	74.00	-14.36	43.34	10.75	38.93	33.38	168	344	Peak	VERTICAL
2	11574.09	47.55	54.00	-6.45	31.24	10.76	38.94	33.39	168	344	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11647.34	58.18	74.00	-15.82	41.80	10.81	38.98	33.41	150	33	Peak	HORIZONTAL
2	11649.73	46.19	54.00	-7.81	29.81	10.81	38.98	33.41	150	33	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	11651.55	58.61	74.00	-15.39	42.22	10.81	38.99	33.41	143	358	Peak	VERTICAL
2	11651.99	46.85	54.00	-7.15	30.46	10.81	38.99	33.41	143	358	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15566.39	59.85	74.00	-14.15	42.91	12.58	38.09	33.73	149	90	Peak	HORIZONTAL
2	15567.02	47.26	54.00	-6.74	30.32	12.58	38.09	33.73	149	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	15573.73	47.28	54.00	-6.72	30.36	12.58	38.09	33.75	166	212	Average	VERTICAL
2	15574.89	60.98	74.00	-13.02	44.06	12.58	38.09	33.75	166	212	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15687.52	47.24	54.00	-6.76	30.61	12.58	37.90	33.85	152	169	Average	HORIZONTAL
2	15692.96	59.80	74.00	-14.20	43.17	12.58	37.90	33.85	152	169	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15687.00	47.22	54.00	-6.78	30.59	12.58	37.90	33.85	161	58	Average	VERTICAL
2	15690.16	59.30	74.00	-14.70	42.67	12.58	37.90	33.85	161	58	Peak	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11508.11	43.74	54.00	-10.26	27.49	10.72	38.90	33.37	147	85	Average	HORIZONTAL
2	11510.21	56.94	74.00	-17.06	40.69	10.72	38.90	33.37	147	85	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11505.27	57.17	74.00	-16.83	40.92	10.72	38.90	33.37	158	99	Peak	VERTICAL
2	11508.89	43.74	54.00	-10.26	27.49	10.72	38.90	33.37	158	99	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11585.56	56.75	74.00	-17.25	40.43	10.76	38.95	33.39	159	114	Peak	HORIZONTAL
2	11593.67	43.93	54.00	-10.07	27.61	10.76	38.95	33.39	159	114	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	11589.26	56.73	74.00	-17.27	40.41	10.76	38.95	33.39	161	132	Peak	VERTICAL
2	11590.61	43.79	54.00	-10.21	27.47	10.76	38.95	33.39	161	132	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	15630.11	57.87	74.00	-16.13	41.11	12.58	37.98	33.80	162	159	Peak	HORIZONTAL
2	15633.35	45.41	54.00	-8.59	28.65	12.58	37.98	33.80	162	159	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	15632.44	58.48	74.00	-15.52	41.72	12.58	37.98	33.80	164	175	Peak	VERTICAL
2	15633.64	45.23	54.00	-8.77	28.47	12.58	37.98	33.80	164	175	Average	VERTICAL

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	11553.00	43.81	54.00	-10.19	27.51	10.75	38.93	33.38	178	182	Average	HORIZONTAL
2	11553.94	56.97	74.00	-17.03	40.67	10.75	38.93	33.38	178	182	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11545.02	57.53	74.00	-16.47	41.24	10.75	38.92	33.38	179	195	Peak	VERTICAL
2	11547.47	43.73	54.00	-10.27	27.44	10.75	38.92	33.38	179	195	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.

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.15-5.35 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 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

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

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

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

4.7.2. Measuring Instruments and Setting

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

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

4.7.3. Test Procedures

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

4.7.4. Test Setup Layout

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

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For non-beamforming function:

The EUT was programmed to be in continuously transmitting mode.

For beamforming function:

The EUT was programmed to be in beamforming transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 18, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5150.00	52.54	54.00	-1.46	46.62	7.33	32.94	31.53	VERTICAL	146	164	Average
2	5150.00	67.30	74.00	-6.70	61.38	7.33	32.94	31.53	VERTICAL	146	164	Peak
3	5176.00	114.11			108.16	7.35	32.94	31.54	VERTICAL	146	164	Peak
4	5185.00	103.78			97.82	7.36	32.94	31.54	VERTICAL	146	164	Average

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5150.00	52.74	54.00	-1.26	46.82	7.33	32.94	31.53	VERTICAL	145	159	Average
2	5150.00	65.39	74.00	-8.61	59.47	7.33	32.94	31.53	VERTICAL	145	159	Peak
3	5196.00	117.07			111.10	7.37	32.94	31.54	VERTICAL	145	159	Peak
4	5205.00	106.81			100.83	7.38	32.94	31.54	VERTICAL	145	159	Average

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5144.00	59.20	74.00	-14.80	53.29	7.32	32.94	31.53	VERTICAL	145	158	Peak
2	5150.00	45.71	54.00	-8.29	39.79	7.33	32.94	31.53	VERTICAL	145	158	Average
3	5245.00	108.27			102.23	7.42	32.93	31.55	VERTICAL	145	158	Average
4	5245.00	118.65			112.61	7.42	32.93	31.55	VERTICAL	145	158	Peak
5	5454.00	49.29	54.00	-4.71	43.00	7.62	32.92	31.59	VERTICAL	145	158	Average
6	5459.00	60.55	74.00	-13.45	54.26	7.62	32.92	31.59	VERTICAL	145	158	Peak

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 18, 2015 / Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5108.00	58.17	74.00	-15.83	52.30	7.29	32.94	31.52	VERTICAL	148	170	Peak
2	5150.00	45.73	54.00	-8.27	39.81	7.33	32.94	31.53	VERTICAL	148	170	Average
3	5255.00	108.16			102.11	7.43	32.93	31.55	VERTICAL	148	170	Average
4	5255.00	118.99			112.94	7.43	32.93	31.55	VERTICAL	148	170	Peak
5	5474.00	49.05	54.00	-4.95	42.74	7.64	32.92	31.59	VERTICAL	148	170	Average
6	5475.00	60.38	74.00	-13.62	54.07	7.64	32.92	31.59	VERTICAL	148	170	Peak

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5295.00	107.43			101.33	7.47	32.93	31.56	VERTICAL	146	161	Average
2	5295.00	117.49			111.39	7.47	32.93	31.56	VERTICAL	146	161	Peak
3	5350.00	52.86	54.00	-1.14	46.70	7.52	32.93	31.57	VERTICAL	146	161	Average
4	5351.00	66.54	74.00	-7.46	60.38	7.52	32.93	31.57	VERTICAL	146	161	Peak

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5315.60	115.27			109.15	7.49	32.93	31.56	VERTICAL	36	216	Peak
2	5320.80	104.84			98.72	7.49	32.93	31.56	VERTICAL	36	216	Average
3	5350.40	52.55	54.00	-1.45	46.39	7.52	32.93	31.57	VERTICAL	36	216	Average
4	5350.40	68.25	74.00	-5.75	62.09	7.52	32.93	31.57	VERTICAL	36	216	Peak

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 100, 116 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5459.60	63.41	74.00	-10.59	57.12	7.62	32.92	31.59	VERTICAL	152	221	Peak
2	5460.00	49.82	54.00	-4.18	43.53	7.62	32.92	31.59	VERTICAL	152	221	Average
3	5469.60	67.89	74.00	-6.11	61.59	7.63	32.92	31.59	VERTICAL	152	221	Peak
4	5470.00	52.51	54.00	-1.49	46.21	7.63	32.92	31.59	VERTICAL	152	221	Average
5	5496.00	102.49			96.15	7.66	32.92	31.60	VERTICAL	152	221	Average
6	5496.40	113.02			106.68	7.66	32.92	31.60	VERTICAL	152	221	Peak

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5430.40	58.73	74.00	-15.27	52.46	7.60	32.92	31.59	VERTICAL	132	103	Peak
2	5460.00	46.03	54.00	-7.97	39.74	7.62	32.92	31.59	VERTICAL	132	103	Average
3	5467.60	58.74	74.00	-15.26	52.44	7.63	32.92	31.59	VERTICAL	132	103	Peak
4	5470.00	46.15	54.00	-7.85	39.85	7.63	32.92	31.59	VERTICAL	132	103	Average
5	5574.40	106.42			99.97	7.70	32.95	31.70	VERTICAL	132	103	Average
6	5584.80	116.78			110.31	7.71	32.96	31.72	VERTICAL	132	103	Peak
7	5725.00	45.58	54.00	-8.42	38.88	7.79	33.00	31.91	VERTICAL	132	103	Average
8	5725.00	56.76	74.00	-17.24	50.06	7.79	33.00	31.91	VERTICAL	132	103	Peak

Item 5, 6 are the fundamental frequency at 5580 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 140, 144 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5694.80	101.52			94.87	7.78	33.00	31.87	VERTICAL	125	128	Average
2	5694.80	112.21			105.56	7.78	33.00	31.87	VERTICAL	125	128	Peak
3	5725.00	52.83	54.00	-1.17	46.13	7.79	33.00	31.91	VERTICAL	125	128	Average
4	5725.60	67.85	74.00	-6.15	61.15	7.79	33.00	31.91	VERTICAL	125	128	Peak

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5716.80	94.81			88.13	7.79	33.00	31.89	HORIZONTAL	173	159	Average
2	5716.80	104.14			97.46	7.79	33.00	31.89	HORIZONTAL	173	159	Peak
3	5850.00	46.40	54.00	-7.60	39.50	7.87	33.05	32.08	HORIZONTAL	173	159	Average
4	5853.60	58.48	74.00	-15.52	51.55	7.87	33.05	32.11	HORIZONTAL	173	159	Peak

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 149

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5714.20	67.05	68.20	-1.15	60.37	7.79	33.00	31.89	VERTICAL	122	205	Peak
2	5725.00	75.96	78.20	-2.24	69.26	7.79	33.00	31.91	VERTICAL	122	205	Peak
3	5740.60	113.13			106.40	7.80	33.01	31.94	VERTICAL	122	205	Peak
4	5741.00	103.30			96.57	7.80	33.01	31.94	VERTICAL	122	205	Average

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5710.60	61.98	68.20	-6.22	55.30	7.79	33.00	31.89	VERTICAL	122	208	Peak
2	5725.00	65.58	78.20	-12.62	58.88	7.79	33.00	31.91	VERTICAL	122	208	Peak
3	5785.80	105.10			98.29	7.83	33.03	32.01	VERTICAL	122	208	Average
4	5786.20	117.06			110.25	7.83	33.03	32.01	VERTICAL	122	208	Peak
5	5853.00	65.13	78.20	-13.07	58.23	7.87	33.05	32.08	VERTICAL	122	208	Peak
6	5871.40	64.54	68.20	-3.66	57.59	7.88	33.06	32.13	VERTICAL	122	208	Peak

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	5821.00	113.67			106.81	7.85	33.05	32.06	VERTICAL	118	206	Peak
2	5826.20	104.10			97.24	7.85	33.05	32.06	VERTICAL	118	206	Average
3	5852.20	74.44	78.20	-3.76	67.54	7.87	33.05	32.08	VERTICAL	118	206	Peak
4	5860.00	66.83	68.20	-1.37	59.91	7.87	33.06	32.11	VERTICAL	118	206	Peak

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015 / Aug. 20, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5148.75	68.39	74.00	-5.61	61.49	6.21	33.74	33.05	160	193	Peak	VERTICAL
2	5149.55	52.88	54.00	-1.12	45.98	6.21	33.74	33.05	160	193	Average	VERTICAL
3	5182.08	110.66			103.68	6.24	33.79	33.05	160	193	Peak	VERTICAL
4	5182.24	100.37			93.39	6.24	33.79	33.05	160	193	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.36	63.63	74.00	-10.37	56.73	6.21	33.74	33.05	169	186	Peak	VERTICAL
2	5150.00	50.71	54.00	-3.29	43.81	6.21	33.74	33.05	169	186	Average	VERTICAL
3	5195.51	113.30			106.26	6.27	33.82	33.05	169	186	Peak	VERTICAL
4	5197.44	102.95			95.91	6.27	33.82	33.05	169	186	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	5145.77	45.57	54.00	-8.43	38.67	6.21	33.74	33.05	203	162	Average	VERTICAL
2	5148.65	58.69	74.00	-15.31	51.79	6.21	33.74	33.05	203	162	Peak	VERTICAL
3	5241.92	102.90			95.75	6.30	33.90	33.05	203	162	Average	VERTICAL
4	5241.92	114.20			107.05	6.30	33.90	33.05	203	162	Peak	VERTICAL
5	5350.00	45.73	54.00	-8.27	38.26	6.47	34.06	33.06	203	162	Average	VERTICAL
6	5377.02	58.43	74.00	-15.57	50.90	6.50	34.09	33.06	203	162	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 52

	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	5119.14	57.89	74.00	-16.11	51.08	6.17	33.69	33.05	183	182	Peak	VERTICAL
2	5150.00	44.58	54.00	-9.42	37.68	6.21	33.74	33.05	183	182	Average	VERTICAL
3	5257.12	113.47			106.29	6.34	33.90	33.06	183	182	Peak	VERTICAL
4	5262.40	103.04			95.83	6.34	33.93	33.06	183	182	Average	VERTICAL
5	5365.77	58.09	74.00	-15.91	50.59	6.47	34.09	33.06	183	182	Peak	VERTICAL
6	5401.35	45.42	54.00	-8.58	37.81	6.53	34.14	33.06	183	182	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	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	5302.24	102.00			94.68	6.40	33.98	33.06	178	117	Average	VERTICAL
2	5307.05	112.89			105.57	6.40	33.98	33.06	178	117	Peak	VERTICAL
3	5350.00	51.30	54.00	-2.70	43.83	6.47	34.06	33.06	178	117	Average	VERTICAL
4	5350.32	68.36	74.00	-5.64	60.89	6.47	34.06	33.06	178	117	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	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	5313.59	110.96			103.61	6.40	34.01	33.06	166	180	Peak	VERTICAL
2	5317.12	101.12			93.77	6.40	34.01	33.06	166	180	Average	VERTICAL
3	5350.00	52.99	54.00	-1.01	45.52	6.47	34.06	33.06	166	180	Average	VERTICAL
4	5351.73	68.57	74.00	-5.43	61.10	6.47	34.06	33.06	166	180	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 100

	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	5457.37	62.20	74.00	-11.80	54.44	6.60	34.22	33.06	185	204	Peak	VERTICAL
2	5460.00	49.13	54.00	-4.87	41.37	6.60	34.22	33.06	185	204	Average	VERTICAL
3	5469.23	68.33	74.00	-5.67	60.54	6.60	34.25	33.06	185	204	Peak	VERTICAL
4	5470.00	52.42	54.00	-1.58	44.63	6.60	34.25	33.06	185	204	Average	VERTICAL
5	5497.12	100.45			92.58	6.63	34.30	33.06	185	204	Average	VERTICAL
6	5497.12	110.98			103.11	6.63	34.30	33.06	185	204	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	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	5413.97	58.65	74.00	-15.35	51.01	6.53	34.17	33.06	169	209	Peak	VERTICAL
2	5460.00	45.87	54.00	-8.13	38.11	6.60	34.22	33.06	169	209	Average	VERTICAL
3	5470.00	46.14	54.00	-7.86	38.35	6.60	34.25	33.06	169	209	Average	VERTICAL
4	5470.00	60.62	74.00	-13.38	52.83	6.60	34.25	33.06	169	209	Peak	VERTICAL
5	5581.92	115.93			107.95	6.72	34.35	33.09	169	209	Peak	VERTICAL
6	5584.49	105.03			97.05	6.72	34.35	33.09	169	209	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140, 144 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 140

	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	5702.08	100.99			92.88	6.81	34.42	33.12	180	152	Average	VERTICAL
2	5702.08	111.15			103.04	6.81	34.42	33.12	180	152	Peak	VERTICAL
3	5725.00	52.62	54.00	-1.38	44.49	6.83	34.43	33.13	180	152	Average	VERTICAL
4	5725.16	68.51	74.00	-5.49	60.38	6.83	34.43	33.13	180	152	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

	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	5717.12	105.23			97.11	6.83	34.42	33.13	211	141	Average	VERTICAL
2	5721.92	116.01			107.88	6.83	34.43	33.13	211	141	Peak	VERTICAL
3	5852.21	45.98	54.00	-8.02	37.69	6.95	34.51	33.17	211	141	Average	VERTICAL
4	5864.71	60.71	74.00	-13.29	52.40	6.97	34.52	33.18	211	141	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5711.67	66.94	68.20	-1.26	58.82	6.83	34.42	33.13	190	150	Peak	VERTICAL
2	5725.00	74.02	78.20	-4.18	65.89	6.83	34.43	33.13	190	150	Peak	VERTICAL
3	5740.83	110.87			102.71	6.86	34.44	33.14	190	150	Peak	VERTICAL
4	5746.92	100.77			92.61	6.86	34.44	33.14	190	150	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.85	63.23	68.20	-4.97	55.11	6.83	34.42	33.13	177	147	Peak	VERTICAL
2	5723.46	68.33	78.20	-9.87	60.20	6.83	34.43	33.13	177	147	Peak	VERTICAL
3	5786.92	116.42			108.20	6.90	34.48	33.16	177	147	Peak	VERTICAL
4	5787.40	105.52			97.30	6.90	34.48	33.16	177	147	Average	VERTICAL
5	5851.35	67.75	78.20	-10.45	59.46	6.95	34.51	33.17	177	147	Peak	VERTICAL
6	5865.29	62.46	68.20	-5.74	54.15	6.97	34.52	33.18	177	147	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5827.24	101.29			93.03	6.92	34.50	33.16	176	218	Average	VERTICAL
2	5829.81	112.05			103.79	6.92	34.50	33.16	176	218	Peak	VERTICAL
3	5850.00	76.46	78.20	-1.74	68.17	6.95	34.51	33.17	176	218	Peak	VERTICAL
4	5860.00	70.12	74.00	-3.88	61.81	6.97	34.52	33.18	176	218	Peak	VERTICAL
5	5860.58	52.77	54.00	-1.23	44.46	6.97	34.52	33.18	176	218	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	52.80	54.00	-1.20	45.90	6.21	33.74	33.05	200	185	Average	VERTICAL
2	5150.00	64.72	74.00	-9.28	57.82	6.21	33.74	33.05	200	185	Peak	VERTICAL
3	5194.81	93.15			86.11	6.27	33.82	33.05	200	185	Average	VERTICAL
4	5197.21	101.93			94.89	6.27	33.82	33.05	200	185	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	5148.27	64.05	74.00	-9.95	57.15	6.21	33.74	33.05	195	168	Peak	VERTICAL
2	5150.00	52.57	54.00	-1.43	45.67	6.21	33.74	33.05	195	168	Average	VERTICAL
3	5234.81	100.81			93.69	6.30	33.87	33.05	195	168	Average	VERTICAL
4	5237.05	110.05			102.93	6.30	33.87	33.05	195	168	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 54

	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	5267.12	110.93			103.72	6.34	33.93	33.06	172	181	Peak	VERTICAL
2	5267.44	101.50			94.29	6.34	33.93	33.06	172	181	Average	VERTICAL
3	5350.00	66.04	74.00	-7.96	58.57	6.47	34.06	33.06	172	181	Peak	VERTICAL
4	5351.09	52.76	54.00	-1.24	45.29	6.47	34.06	33.06	172	181	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	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	5312.24	97.64			90.29	6.40	34.01	33.06	138	180	Average	VERTICAL
2	5314.49	106.69			99.34	6.40	34.01	33.06	138	180	Peak	VERTICAL
3	5355.19	52.96	54.00	-1.04	45.49	6.47	34.06	33.06	138	180	Average	VERTICAL
4	5356.47	67.65	74.00	-6.35	60.18	6.47	34.06	33.06	138	180	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 102

	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	5459.68	49.27	54.00	-4.73	41.51	6.60	34.22	33.06	153	201	Average	VERTICAL
2	5460.00	62.16	74.00	-11.84	54.40	6.60	34.22	33.06	153	201	Peak	VERTICAL
3	5467.69	67.63	74.00	-6.37	59.84	6.60	34.25	33.06	153	201	Peak	VERTICAL
4	5470.00	52.77	54.00	-1.23	44.98	6.60	34.25	33.06	153	201	Average	VERTICAL
5	5514.81	94.81			86.92	6.65	34.31	33.07	153	201	Average	VERTICAL
6	5515.45	105.00			97.11	6.65	34.31	33.07	153	201	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	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	5457.37	64.91	74.00	-9.09	57.15	6.60	34.22	33.06	159	197	Peak	VERTICAL
2	5460.00	51.76	54.00	-2.24	44.00	6.60	34.22	33.06	159	197	Average	VERTICAL
3	5468.91	67.41	74.00	-6.59	59.62	6.60	34.25	33.06	159	197	Peak	VERTICAL
4	5469.23	52.88	54.00	-1.12	45.09	6.60	34.25	33.06	159	197	Average	VERTICAL
5	5541.99	101.42			93.50	6.68	34.32	33.08	159	197	Average	VERTICAL
6	5541.99	111.09			103.17	6.68	34.32	33.08	159	197	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	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	5684.10	97.68			89.58	6.81	34.41	33.12	226	138	Average	VERTICAL
2	5684.42	107.99			99.89	6.81	34.41	33.12	226	138	Peak	VERTICAL
3	5726.73	52.87	54.00	-1.13	44.74	6.83	34.43	33.13	226	138	Average	VERTICAL
4	5726.73	67.46	74.00	-6.54	59.33	6.83	34.43	33.13	226	138	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142, 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 142

	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	5704.23	102.51			94.40	6.81	34.42	33.12	195	140	Average	VERTICAL
2	5704.71	112.19			104.08	6.81	34.42	33.12	195	140	Peak	VERTICAL
3	5850.00	62.07	68.20	-6.13	53.78	6.95	34.51	33.17	195	140	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

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	5712.05	67.37	74.00	-6.63	59.25	6.83	34.42	33.13	198	140	Peak	VERTICAL
2	5714.30	52.81	54.00	-1.19	44.69	6.83	34.42	33.13	198	140	Average	VERTICAL
3	5720.71	67.11	78.20	-11.09	58.98	6.83	34.43	33.13	198	140	Peak	VERTICAL
4	5739.94	103.84			95.68	6.86	34.44	33.14	198	140	Peak	VERTICAL
5	5741.86	93.60			85.44	6.86	34.44	33.14	198	140	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	50.38	54.00	-3.62	42.26	6.83	34.42	33.13	179	144	Average	VERTICAL
2	5715.00	63.56	74.00	-10.44	55.44	6.83	34.42	33.13	179	144	Peak	VERTICAL
3	5721.92	65.50	78.20	-12.70	57.37	6.83	34.43	33.13	179	144	Peak	VERTICAL
4	5789.55	99.99			91.77	6.90	34.48	33.16	179	144	Average	VERTICAL
5	5792.12	109.47			101.25	6.90	34.48	33.16	179	144	Peak	VERTICAL
6	5853.01	68.43	78.20	-9.77	60.14	6.95	34.51	33.17	179	144	Peak	VERTICAL
7	5860.39	52.79	54.00	-1.21	44.48	6.97	34.52	33.18	179	144	Average	VERTICAL
8	5861.99	67.53	74.00	-6.47	59.22	6.97	34.52	33.18	179	144	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5145.10	64.03	74.00	-9.97	57.13	6.21	33.74	33.05	171	176	Peak	VERTICAL
2	5150.00	52.89	54.00	-1.11	45.99	6.21	33.74	33.05	171	176	Average	VERTICAL
3	5197.18	90.26			83.22	6.27	33.82	33.05	171	176	Average	VERTICAL
4	5227.63	99.63			92.51	6.30	33.87	33.05	171	176	Peak	VERTICAL
5	5350.80	47.01	54.00	-6.99	39.54	6.47	34.06	33.06	171	176	Average	VERTICAL
6	5380.67	59.92	74.00	-14.08	52.37	6.50	34.11	33.06	171	176	Peak	VERTICAL

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

Channel 58

	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	5135.35	58.75	74.00	-15.25	51.92	6.17	33.71	33.05	138	181	Peak	VERTICAL
2	5148.17	48.74	54.00	-5.26	41.84	6.21	33.74	33.05	138	181	Average	VERTICAL
3	5281.99	93.31			86.05	6.37	33.95	33.06	138	181	Average	VERTICAL
4	5309.23	102.52			95.20	6.40	33.98	33.06	138	181	Peak	VERTICAL
5	5362.92	67.11	74.00	-6.89	59.61	6.47	34.09	33.06	138	181	Peak	VERTICAL
6	5367.72	52.54	54.00	-1.46	45.04	6.47	34.09	33.06	138	181	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015 / Aug. 20, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 106

	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	5453.08	52.99	54.00	-1.01	45.23	6.60	34.22	33.06	155	196	Average	VERTICAL
2	5455.48	64.94	74.00	-9.06	57.18	6.60	34.22	33.06	155	196	Peak	VERTICAL
3	5462.40	64.74	68.20	-3.46	56.98	6.60	34.22	33.06	155	196	Peak	VERTICAL
4	5540.42	102.77			94.85	6.68	34.32	33.08	155	196	Peak	VERTICAL
5	5542.02	93.48			85.56	6.68	34.32	33.08	155	196	Average	VERTICAL
6	5725.00	58.85	68.20	-9.35	50.72	6.83	34.43	33.13	155	196	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5530 MHz.

Channel 122

	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	5456.15	50.55	54.00	-3.45	42.79	6.60	34.22	33.06	178	130	Average	VERTICAL
2	5460.00	62.78	74.00	-11.22	55.02	6.60	34.22	33.06	178	130	Peak	VERTICAL
3	5466.57	63.48	68.20	-4.72	55.69	6.60	34.25	33.06	178	130	Peak	VERTICAL
4	5622.02	98.43			90.42	6.74	34.37	33.10	178	130	Average	VERTICAL
5	5624.42	108.09			100.08	6.74	34.37	33.10	178	130	Peak	VERTICAL
6	5725.00	66.85	68.20	-1.35	58.72	6.83	34.43	33.13	178	130	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138, 155 / Chain 1 + Chain 2
Test Date	Aug. 19, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 138

	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	5699.62	108.32			100.22	6.81	34.41	33.12	161	139	Peak	VERTICAL
2	5702.02	97.86			89.75	6.81	34.42	33.12	161	139	Average	VERTICAL
3	5852.66	66.90	68.20	-1.30	58.61	6.95	34.51	33.17	161	139	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 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	5702.08	67.17	68.20	-1.03	59.06	6.81	34.42	33.12	174	143	Peak	VERTICAL
2	5716.51	66.47	78.20	-11.73	58.35	6.83	34.42	33.13	174	143	Peak	VERTICAL
3	5787.02	91.81			83.59	6.90	34.48	33.16	174	143	Average	VERTICAL
4	5801.44	101.83			93.61	6.90	34.48	33.16	174	143	Peak	VERTICAL
5	5854.81	63.41	78.20	-14.79	55.11	6.95	34.52	33.17	174	143	Peak	VERTICAL
6	5870.42	63.43	68.20	-4.77	55.12	6.97	34.52	33.18	174	143	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5149.23	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	176	181	Average	VERTICAL
2	5149.55	69.92	74.00	-4.08	63.02	6.21	33.74	33.05	176	181	Peak	VERTICAL
3	5179.36	112.43			105.45	6.24	33.79	33.05	176	181	Peak	VERTICAL
4	5183.53	100.08			93.10	6.24	33.79	33.05	176	181	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	51.03	54.00	-2.97	44.13	6.21	33.74	33.05	171	188	Average	VERTICAL
2	5150.00	67.22	74.00	-6.78	60.32	6.21	33.74	33.05	171	188	Peak	VERTICAL
3	5196.15	103.64			96.60	6.27	33.82	33.05	171	188	Average	VERTICAL
4	5200.96	113.98			106.94	6.27	33.82	33.05	171	188	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5143.37	56.05	74.00	-17.95	49.19	6.17	33.74	33.05	172	117	Peak	VERTICAL
2	5149.62	43.41	54.00	-10.59	36.51	6.21	33.74	33.05	172	117	Average	VERTICAL
3	5233.75	113.77			106.65	6.30	33.87	33.05	172	117	Peak	VERTICAL
4	5239.04	103.34			96.22	6.30	33.87	33.05	172	117	Average	VERTICAL
5	5350.00	56.21	74.00	-17.79	48.74	6.47	34.06	33.06	172	117	Peak	VERTICAL
6	5354.42	43.87	54.00	-10.13	36.40	6.47	34.06	33.06	172	117	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 52

	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	5132.60	55.76	74.00	-18.24	48.93	6.17	33.71	33.05	173	213	Peak	VERTICAL
2	5149.42	43.24	54.00	-10.76	36.34	6.21	33.74	33.05	173	213	Average	VERTICAL
3	5265.29	114.14			106.93	6.34	33.93	33.06	173	213	Peak	VERTICAL
4	5266.25	103.76			96.55	6.34	33.93	33.06	173	213	Average	VERTICAL
5	5368.65	57.23	74.00	-16.77	49.73	6.47	34.09	33.06	173	213	Peak	VERTICAL
6	5401.83	44.16	54.00	-9.84	36.55	6.53	34.14	33.06	173	213	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	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	5302.24	114.50			107.18	6.40	33.98	33.06	164	198	Peak	VERTICAL
2	5303.85	103.87			96.55	6.40	33.98	33.06	164	198	Average	VERTICAL
3	5350.00	52.61	54.00	-1.39	45.14	6.47	34.06	33.06	164	198	Average	VERTICAL
4	5350.00	67.69	74.00	-6.31	60.22	6.47	34.06	33.06	164	198	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	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	5322.56	99.50			92.12	6.43	34.01	33.06	170	119	Average	VERTICAL
2	5325.45	111.90			104.52	6.43	34.01	33.06	170	119	Peak	VERTICAL
3	5350.00	52.87	54.00	-1.13	45.40	6.47	34.06	33.06	170	119	Average	VERTICAL
4	5351.73	69.39	74.00	-4.61	61.92	6.47	34.06	33.06	170	119	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 100

	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	5460.00	48.68	54.00	-5.32	40.92	6.60	34.22	33.06	160	197	Average	VERTICAL
2	5460.00	63.67	74.00	-10.33	55.91	6.60	34.22	33.06	160	197	Peak	VERTICAL
3	5467.95	68.99	74.00	-5.01	61.20	6.60	34.25	33.06	160	197	Peak	VERTICAL
4	5470.00	52.86	54.00	-1.14	45.07	6.60	34.25	33.06	160	197	Average	VERTICAL
5	5492.95	100.10			92.26	6.63	34.27	33.06	160	197	Average	VERTICAL
6	5497.76	112.39			104.52	6.63	34.30	33.06	160	197	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	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	5449.23	57.41	74.00	-16.59	49.69	6.56	34.22	33.06	178	136	Peak	VERTICAL
2	5460.00	44.29	54.00	-9.71	36.53	6.60	34.22	33.06	178	136	Average	VERTICAL
3	5467.18	44.54	54.00	-9.46	36.75	6.60	34.25	33.06	178	136	Average	VERTICAL
4	5468.46	60.23	74.00	-13.77	52.44	6.60	34.25	33.06	178	136	Peak	VERTICAL
5	5585.77	106.12			98.14	6.72	34.35	33.09	178	136	Average	VERTICAL
6	5585.77	116.90			108.92	6.72	34.35	33.09	178	136	Peak	VERTICAL
7	5737.05	44.28	54.00	-9.72	36.12	6.86	34.44	33.14	178	136	Average	VERTICAL
8	5767.18	57.64	74.00	-16.36	49.45	6.88	34.46	33.15	178	136	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 144

	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	5703.37	112.51			104.40	6.81	34.42	33.12	176	151	Peak	VERTICAL
2	5704.97	101.33			93.21	6.83	34.42	33.13	176	151	Average	VERTICAL
3	5725.00	52.81	54.00	-1.19	44.68	6.83	34.43	33.13	176	151	Average	VERTICAL
4	5725.32	68.99	74.00	-5.01	60.86	6.83	34.43	33.13	176	151	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Channel 140

	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	5712.31	106.97			98.85	6.83	34.42	33.13	191	155	Average	VERTICAL
2	5716.80	116.80			108.68	6.83	34.42	33.13	191	155	Peak	VERTICAL
3	5850.77	44.94	54.00	-9.06	36.65	6.95	34.51	33.17	191	155	Average	VERTICAL
4	5867.44	57.55	74.00	-16.45	49.24	6.97	34.52	33.18	191	155	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5714.71	69.73	74.00	-4.27	61.61	6.83	34.42	33.13	181	142	Peak	VERTICAL
2	5714.87	49.50	54.00	-4.50	41.38	6.83	34.42	33.13	181	142	Average	VERTICAL
3	5724.17	76.72	78.20	-1.48	68.59	6.83	34.43	33.13	181	142	Peak	VERTICAL
4	5737.95	112.99			104.83	6.86	34.44	33.14	181	142	Peak	VERTICAL
5	5740.19	102.76			94.60	6.86	34.44	33.14	181	142	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.17	62.46	74.00	-11.54	54.34	6.83	34.42	33.13	177	155	Peak	VERTICAL
2	5714.81	48.60	54.00	-5.40	40.48	6.83	34.42	33.13	177	155	Average	VERTICAL
3	5721.86	65.25	78.20	-12.95	57.12	6.83	34.43	33.13	177	155	Peak	VERTICAL
4	5787.89	117.07			108.85	6.90	34.48	33.16	177	155	Peak	VERTICAL
5	5788.85	106.59			98.37	6.90	34.48	33.16	177	155	Average	VERTICAL
6	5850.71	65.35	78.20	-12.85	57.06	6.95	34.51	33.17	177	155	Peak	VERTICAL
7	5861.60	47.95	54.00	-6.05	39.64	6.97	34.52	33.18	177	155	Average	VERTICAL
8	5862.56	62.25	74.00	-11.75	53.94	6.97	34.52	33.18	177	155	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5818.91	113.13			104.88	6.92	34.49	33.16	178	228	Peak	VERTICAL
2	5819.39	101.98			93.73	6.92	34.49	33.16	178	228	Average	VERTICAL
3	5850.16	76.09	78.20	-2.11	67.80	6.95	34.51	33.17	178	228	Peak	VERTICAL
4	5860.00	52.59	54.00	-1.41	44.28	6.97	34.52	33.18	178	228	Average	VERTICAL
5	5860.42	70.47	74.00	-3.53	62.16	6.97	34.52	33.18	178	228	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015 / Aug. 21, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5149.62	52.60	54.00	-1.40	45.70	6.21	33.74	33.05	170	183	Average	VERTICAL
2	5150.00	66.75	74.00	-7.25	59.85	6.21	33.74	33.05	170	183	Peak	VERTICAL
3	5193.53	103.24			96.23	6.24	33.82	33.05	170	183	Peak	VERTICAL
4	5195.77	93.06			86.02	6.27	33.82	33.05	170	183	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	5147.95	67.04	74.00	-6.96	60.14	6.21	33.74	33.05	181	178	Peak	VERTICAL
2	5149.55	52.76	54.00	-1.24	45.86	6.21	33.74	33.05	181	178	Average	VERTICAL
3	5221.67	98.43			91.33	6.30	33.85	33.05	181	178	Average	VERTICAL
4	5238.97	111.67			104.55	6.30	33.87	33.05	181	178	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015 / Aug. 21, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 54

	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	5264.23	100.50			93.29	6.34	33.93	33.06	153	187	Average	VERTICAL
2	5265.83	111.70			104.49	6.34	33.93	33.06	153	187	Peak	VERTICAL
3	5350.00	51.31	54.00	-2.69	43.84	6.47	34.06	33.06	153	187	Average	VERTICAL
4	5350.45	64.46	74.00	-9.54	56.99	6.47	34.06	33.06	153	187	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	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	5311.28	97.08			89.73	6.40	34.01	33.06	157	199	Average	VERTICAL
2	5321.22	107.94			100.59	6.40	34.01	33.06	157	199	Peak	VERTICAL
3	5354.55	52.82	54.00	-1.18	45.35	6.47	34.06	33.06	157	199	Average	VERTICAL
4	5355.19	71.31	74.00	-2.69	63.84	6.47	34.06	33.06	157	199	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 102

	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	5458.72	64.52	74.00	-9.48	56.76	6.60	34.22	33.06	154	200	Peak	VERTICAL
2	5460.00	48.97	54.00	-5.03	41.21	6.60	34.22	33.06	154	200	Average	VERTICAL
3	5468.65	67.94	74.00	-6.06	60.15	6.60	34.25	33.06	154	200	Peak	VERTICAL
4	5470.00	52.80	54.00	-1.20	45.01	6.60	34.25	33.06	154	200	Average	VERTICAL
5	5514.81	95.57			87.68	6.65	34.31	33.07	154	200	Average	VERTICAL
6	5515.13	106.13			98.24	6.65	34.31	33.07	154	200	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	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	5460.00	50.49	54.00	-3.51	42.73	6.60	34.22	33.06	165	213	Average	VERTICAL
2	5460.00	64.54	74.00	-9.46	56.78	6.60	34.22	33.06	165	213	Peak	VERTICAL
3	5469.71	52.65	54.00	-1.35	44.86	6.60	34.25	33.06	165	213	Average	VERTICAL
4	5470.00	67.54	74.00	-6.46	59.75	6.60	34.25	33.06	165	213	Peak	VERTICAL
5	5554.81	101.08			93.13	6.70	34.33	33.08	165	213	Average	VERTICAL
6	5556.25	111.75			103.80	6.70	34.33	33.08	165	213	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	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	5663.91	110.31			102.25	6.79	34.39	33.12	196	151	Peak	VERTICAL
2	5674.49	99.15			91.08	6.79	34.40	33.12	196	151	Average	VERTICAL
3	5725.00	52.62	54.00	-1.38	44.49	6.83	34.43	33.13	196	151	Average	VERTICAL
4	5729.62	67.54	74.00	-6.46	59.41	6.83	34.43	33.13	196	151	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142, 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 142

	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	5706.80	104.23			96.11	6.83	34.42	33.13	196	150	Average	VERTICAL
2	5707.44	115.06			106.94	6.83	34.42	33.13	196	150	Peak	VERTICAL
3	5850.00	48.21	54.00	-5.79	39.92	6.95	34.51	33.17	196	150	Average	VERTICAL
4	5858.72	62.81	74.00	-11.19	54.50	6.97	34.52	33.18	196	150	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

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	5713.65	52.70	54.00	-1.30	44.58	6.83	34.42	33.13	175	147	Average	VERTICAL
2	5713.97	69.01	74.00	-4.99	60.89	6.83	34.42	33.13	175	147	Peak	VERTICAL
3	5719.23	68.51	78.20	-9.69	60.38	6.83	34.43	33.13	175	147	Peak	VERTICAL
4	5742.18	95.67			87.51	6.86	34.44	33.14	175	147	Average	VERTICAL
5	5748.27	105.33			97.17	6.86	34.44	33.14	175	147	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.55	66.55	68.20	-1.65	58.43	6.83	34.42	33.13	178	148	Peak	VERTICAL
2	5724.49	68.82	78.20	-9.38	60.69	6.83	34.43	33.13	178	148	Peak	VERTICAL
3	5787.63	113.11			104.89	6.90	34.48	33.16	178	148	Peak	VERTICAL
4	5789.55	101.44			93.22	6.90	34.48	33.16	178	148	Average	VERTICAL
5	5853.01	75.26	78.20	-2.94	66.97	6.95	34.51	33.17	178	148	Peak	VERTICAL
6	5862.63	67.08	68.20	-1.12	58.77	6.97	34.52	33.18	178	148	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

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	5144.62	64.28	74.00	-9.72	57.38	6.21	33.74	33.05	171	197	Peak	VERTICAL
2	5150.00	52.74	54.00	-1.26	45.84	6.21	33.74	33.05	171	197	Average	VERTICAL
3	5192.05	100.64			93.63	6.24	33.82	33.05	171	197	Peak	VERTICAL
4	5198.46	90.22			83.18	6.27	33.82	33.05	171	197	Average	VERTICAL
5	5372.82	58.37	74.00	-15.63	50.87	6.47	34.09	33.06	171	197	Peak	VERTICAL
6	5393.33	45.36	54.00	-8.64	37.81	6.50	34.11	33.06	171	197	Average	VERTICAL

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

Channel 58

	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	5149.62	59.62	74.00	-14.38	52.72	6.21	33.74	33.05	168	191	Peak	VERTICAL
2	5150.00	46.86	54.00	-7.14	39.96	6.21	33.74	33.05	168	191	Average	VERTICAL
3	5275.26	93.71			86.47	6.37	33.93	33.06	168	191	Average	VERTICAL
4	5275.90	104.71			97.45	6.37	33.95	33.06	168	191	Peak	VERTICAL
5	5359.23	70.77	74.00	-3.23	63.30	6.47	34.06	33.06	168	191	Peak	VERTICAL
6	5363.72	52.68	54.00	-1.32	45.18	6.47	34.09	33.06	168	191	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 106

	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	5451.47	52.03	54.00	-1.97	44.27	6.60	34.22	33.06	168	197	Average	VERTICAL
2	5456.28	67.73	74.00	-6.27	59.97	6.60	34.22	33.06	168	197	Peak	VERTICAL
3	5464.30	69.51	74.00	-4.49	61.72	6.60	34.25	33.06	168	197	Peak	VERTICAL
4	5466.70	52.61	54.00	-1.39	44.82	6.60	34.25	33.06	168	197	Average	VERTICAL
5	5516.38	93.07			85.18	6.65	34.31	33.07	168	197	Average	VERTICAL
6	5524.39	104.16			96.27	6.65	34.31	33.07	168	197	Peak	VERTICAL
7	5725.80	45.38	54.00	-8.62	37.25	6.83	34.43	33.13	168	197	Average	VERTICAL
8	5739.14	58.43	74.00	-15.57	50.27	6.86	34.44	33.14	168	197	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 122

	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	5456.96	64.23	74.00	-9.77	56.47	6.60	34.22	33.06	174	145	Peak	VERTICAL
2	5459.36	49.06	54.00	-4.94	41.30	6.60	34.22	33.06	174	145	Average	VERTICAL
3	5462.79	63.45	74.00	-10.55	55.66	6.60	34.25	33.06	174	145	Peak	VERTICAL
4	5465.77	49.53	54.00	-4.47	41.74	6.60	34.25	33.06	174	145	Average	VERTICAL
5	5585.16	110.91			102.93	6.72	34.35	33.09	174	145	Peak	VERTICAL
6	5623.62	97.92			89.91	6.74	34.37	33.10	174	145	Average	VERTICAL
7	5725.00	52.69	54.00	-1.31	44.56	6.83	34.43	33.13	174	145	Average	VERTICAL
8	5725.00	67.15	74.00	-6.85	59.02	6.83	34.43	33.13	174	145	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138, 155 / Chain 1 + Chain 2
Test Date	Aug. 20, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 1 (PIFA antenna)		

Channel 138

	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	5705.22	99.31			91.19	6.83	34.42	33.13	184	149	Average	VERTICAL
2	5706.03	109.85			101.73	6.83	34.42	33.13	184	149	Peak	VERTICAL
3	5850.00	52.65	54.00	-1.35	44.36	6.95	34.51	33.17	184	149	Average	VERTICAL
4	5851.86	67.20	74.00	-6.80	58.91	6.95	34.51	33.17	184	149	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 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	5709.30	70.25	74.00	-3.75	62.13	6.83	34.42	33.13	183	146	Peak	VERTICAL
2	5715.00	52.98	54.00	-1.02	44.86	6.83	34.42	33.13	183	146	Average	VERTICAL
3	5723.40	71.08	78.20	-7.12	62.95	6.83	34.43	33.13	183	146	Peak	VERTICAL
4	5738.14	106.78			98.62	6.86	34.44	33.14	183	146	Peak	VERTICAL
5	5786.22	92.15			83.93	6.90	34.48	33.16	183	146	Average	VERTICAL
6	5850.00	65.96	78.20	-12.24	57.67	6.95	34.51	33.17	183	146	Peak	VERTICAL
7	5863.14	65.92	74.00	-8.08	57.61	6.97	34.52	33.18	183	146	Peak	VERTICAL
8	5864.74	49.83	54.00	-4.17	41.52	6.97	34.52	33.18	183	146	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5149.23	51.20	54.00	-2.80	44.30	6.21	33.74	33.05	226	10	Average	VERTICAL
2	5149.55	68.00	74.00	-6.00	61.10	6.21	33.74	33.05	226	10	Peak	VERTICAL
3	5172.95	101.75			94.79	6.24	33.77	33.05	226	10	Average	VERTICAL
4	5173.11	112.66			105.70	6.24	33.77	33.05	226	10	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	5149.04	65.90	74.00	-8.10	59.00	6.21	33.74	33.05	224	359	Peak	VERTICAL
2	5150.00	52.57	54.00	-1.43	45.67	6.21	33.74	33.05	224	359	Average	VERTICAL
3	5199.36	104.98			97.94	6.27	33.82	33.05	224	359	Average	VERTICAL
4	5204.49	115.99			108.95	6.27	33.82	33.05	224	359	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5145.29	58.50	74.00	-15.50	51.60	6.21	33.74	33.05	226	1	Peak	VERTICAL
2	5147.69	46.31	54.00	-7.69	39.41	6.21	33.74	33.05	226	1	Average	VERTICAL
3	5234.71	115.40			108.28	6.30	33.87	33.05	226	1	Peak	VERTICAL
4	5244.33	105.38			98.23	6.30	33.90	33.05	226	1	Average	VERTICAL
5	5353.94	59.27	74.00	-14.73	51.80	6.47	34.06	33.06	226	1	Peak	VERTICAL
6	5377.50	46.69	54.00	-7.31	39.14	6.50	34.11	33.06	226	1	Average	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 52

	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	5126.35	58.19	74.00	-15.81	51.36	6.17	33.71	33.05	217	10	Peak	VERTICAL
2	5146.54	45.93	54.00	-8.07	39.03	6.21	33.74	33.05	217	10	Average	VERTICAL
3	5258.08	116.67			109.49	6.34	33.90	33.06	217	10	Peak	VERTICAL
4	5263.37	107.13			99.92	6.34	33.93	33.06	217	10	Average	VERTICAL
5	5350.00	60.30	74.00	-13.70	52.83	6.47	34.06	33.06	217	10	Peak	VERTICAL
6	5353.27	46.85	54.00	-7.15	39.38	6.47	34.06	33.06	217	10	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	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	5298.08	115.37			108.05	6.40	33.98	33.06	224	9	Peak	VERTICAL
2	5298.40	104.43			97.11	6.40	33.98	33.06	224	9	Average	VERTICAL
3	5351.60	49.80	54.00	-4.20	42.33	6.47	34.06	33.06	224	9	Average	VERTICAL
4	5353.21	62.24	74.00	-11.76	54.77	6.47	34.06	33.06	224	9	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	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	5314.07	101.95			94.60	6.40	34.01	33.06	227	2	Average	VERTICAL
2	5314.39	112.89			105.54	6.40	34.01	33.06	227	2	Peak	VERTICAL
3	5350.13	50.48	54.00	-3.52	43.01	6.47	34.06	33.06	227	2	Average	VERTICAL
4	5353.65	67.22	74.00	-6.78	59.75	6.47	34.06	33.06	227	2	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 100, 116 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 100

	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	5456.57	62.06	74.00	-11.94	54.30	6.60	34.22	33.06	196	327	Peak	VERTICAL
2	5460.00	49.50	54.00	-4.50	41.74	6.60	34.22	33.06	196	327	Average	VERTICAL
3	5470.00	52.49	54.00	-1.51	44.70	6.60	34.25	33.06	196	327	Average	VERTICAL
4	5470.00	68.68	74.00	-5.32	60.89	6.60	34.25	33.06	196	327	Peak	VERTICAL
5	5504.49	102.29			94.41	6.65	34.30	33.07	196	327	Average	VERTICAL
6	5504.49	113.15			105.27	6.65	34.30	33.07	196	327	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	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	5457.89	46.64	54.00	-7.36	38.88	6.60	34.22	33.06	201	326	Average	VERTICAL
2	5458.85	59.43	74.00	-14.57	51.67	6.60	34.22	33.06	201	326	Peak	VERTICAL
3	5467.98	59.63	74.00	-14.37	51.84	6.60	34.25	33.06	201	326	Peak	VERTICAL
4	5468.94	46.70	54.00	-7.30	38.91	6.60	34.25	33.06	201	326	Average	VERTICAL
5	5584.81	106.25			98.27	6.72	34.35	33.09	201	326	Average	VERTICAL
6	5584.81	117.08			109.10	6.72	34.35	33.09	201	326	Peak	VERTICAL
7	5725.67	46.91	54.00	-7.09	38.78	6.83	34.43	33.13	201	326	Average	VERTICAL
8	5727.12	60.56	74.00	-13.44	52.43	6.83	34.43	33.13	201	326	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 140, 144 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 140

	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	5695.03	112.05			103.95	6.81	34.41	33.12	224	326	Peak	VERTICAL
2	5704.97	101.29			93.17	6.83	34.42	33.13	224	326	Average	VERTICAL
3	5725.00	52.02	54.00	-1.98	43.89	6.83	34.43	33.13	224	326	Average	VERTICAL
4	5725.80	69.38	74.00	-4.62	61.25	6.83	34.43	33.13	224	326	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

	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	5720.96	104.54			96.41	6.83	34.43	33.13	204	322	Average	VERTICAL
2	5720.96	115.24			107.11	6.83	34.43	33.13	204	322	Peak	VERTICAL
3	5867.12	59.35	68.20	-8.85	51.04	6.97	34.52	33.18	204	322	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5714.87	50.16	54.00	-3.84	42.04	6.83	34.42	33.13	200	323	Average	VERTICAL
2	5715.00	64.83	74.00	-9.17	56.71	6.83	34.42	33.13	200	323	Peak	VERTICAL
3	5724.81	70.80	78.20	-7.40	62.67	6.83	34.43	33.13	200	323	Peak	VERTICAL
4	5740.51	99.91			91.75	6.86	34.44	33.14	200	323	Average	VERTICAL
5	5740.67	111.05			102.89	6.86	34.44	33.14	200	323	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.49	49.79	54.00	-4.21	41.67	6.83	34.42	33.13	209	327	Average	VERTICAL
2	5714.49	62.76	74.00	-11.24	54.64	6.83	34.42	33.13	209	327	Peak	VERTICAL
3	5725.00	66.89	78.20	-11.31	58.76	6.83	34.43	33.13	209	327	Peak	VERTICAL
4	5779.87	104.76			96.56	6.88	34.47	33.15	209	327	Average	VERTICAL
5	5780.19	115.63			107.43	6.88	34.47	33.15	209	327	Peak	VERTICAL
6	5850.00	64.16	78.20	-14.04	55.87	6.95	34.51	33.17	209	327	Peak	VERTICAL
7	5860.00	48.40	54.00	-5.60	40.09	6.97	34.52	33.18	209	327	Average	VERTICAL
8	5860.64	61.14	74.00	-12.86	52.83	6.97	34.52	33.18	209	327	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5819.87	101.01			92.75	6.92	34.50	33.16	197	326	Average	VERTICAL
2	5819.87	111.93			103.67	6.92	34.50	33.16	197	326	Peak	VERTICAL
3	5850.64	72.52	78.20	-5.68	64.23	6.95	34.51	33.17	197	326	Peak	VERTICAL
4	5860.00	50.38	54.00	-3.62	42.07	6.97	34.52	33.18	197	326	Average	VERTICAL
5	5860.00	63.80	74.00	-10.20	55.49	6.97	34.52	33.18	197	326	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5150.00	52.65	54.00	-1.35	45.75	6.21	33.74	33.05	242	316	Average	VERTICAL
2	5150.00	67.26	74.00	-6.74	60.36	6.21	33.74	33.05	242	316	Peak	VERTICAL
3	5172.63	113.22			106.26	6.24	33.77	33.05	242	316	Peak	VERTICAL
4	5175.19	102.67			95.69	6.24	33.79	33.05	242	316	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5148.72	66.47	74.00	-7.53	59.57	6.21	33.74	33.05	229	312	Peak	VERTICAL
2	5150.00	52.99	54.00	-1.01	46.09	6.21	33.74	33.05	229	312	Average	VERTICAL
3	5198.08	116.15			109.11	6.27	33.82	33.05	229	312	Peak	VERTICAL
4	5202.89	105.59			98.55	6.27	33.82	33.05	229	312	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	5143.85	59.32	74.00	-14.68	52.42	6.21	33.74	33.05	217	312	Peak	VERTICAL
2	5150.00	47.21	54.00	-6.79	40.31	6.21	33.74	33.05	217	312	Average	VERTICAL
3	5235.67	118.27			111.15	6.30	33.87	33.05	217	312	Peak	VERTICAL
4	5238.08	107.15			100.03	6.30	33.87	33.05	217	312	Average	VERTICAL
5	5350.00	46.88	54.00	-7.12	39.41	6.47	34.06	33.06	217	312	Average	VERTICAL
6	5370.77	58.82	74.00	-15.18	51.32	6.47	34.09	33.06	217	312	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 52

	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	5147.50	46.61	54.00	-7.39	39.71	6.21	33.74	33.05	226	311	Average	VERTICAL
2	5147.98	59.16	74.00	-14.84	52.26	6.21	33.74	33.05	226	311	Peak	VERTICAL
3	5262.89	105.99			98.78	6.34	33.93	33.06	226	311	Average	VERTICAL
4	5265.77	116.80			109.59	6.34	33.93	33.06	226	311	Peak	VERTICAL
5	5350.00	47.30	54.00	-6.70	39.83	6.47	34.06	33.06	226	311	Average	VERTICAL
6	5352.89	59.39	74.00	-14.61	51.92	6.47	34.06	33.06	226	311	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

Channel 60

	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	5298.08	115.96			108.64	6.40	33.98	33.06	231	312	Peak	VERTICAL
2	5305.77	104.89			97.57	6.40	33.98	33.06	231	312	Average	VERTICAL
3	5350.32	52.58	54.00	-1.42	45.11	6.47	34.06	33.06	231	312	Average	VERTICAL
4	5350.64	67.59	74.00	-6.41	60.12	6.47	34.06	33.06	231	312	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	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	5315.51	102.09			94.74	6.40	34.01	33.06	242	313	Average	VERTICAL
2	5318.24	113.07			105.72	6.40	34.01	33.06	242	313	Peak	VERTICAL
3	5350.45	52.52	54.00	-1.48	45.05	6.47	34.06	33.06	242	313	Average	VERTICAL
4	5350.61	67.05	74.00	-6.95	59.58	6.47	34.06	33.06	242	313	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 100

	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	5459.14	63.73	74.00	-10.27	55.97	6.60	34.22	33.06	226	0	Peak	VERTICAL
2	5460.00	49.86	54.00	-4.14	42.10	6.60	34.22	33.06	226	0	Average	VERTICAL
3	5468.27	67.57	74.00	-6.43	59.78	6.60	34.25	33.06	226	0	Peak	VERTICAL
4	5470.00	52.24	54.00	-1.76	44.45	6.60	34.25	33.06	226	0	Average	VERTICAL
5	5498.08	100.34			92.47	6.63	34.30	33.06	226	0	Average	VERTICAL
6	5501.28	111.10			103.22	6.65	34.30	33.07	226	0	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	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	5423.59	58.92	74.00	-15.08	51.28	6.53	34.17	33.06	281	310	Peak	VERTICAL
2	5458.85	47.42	54.00	-6.58	39.66	6.60	34.22	33.06	281	310	Average	VERTICAL
3	5467.44	58.97	74.00	-15.03	51.18	6.60	34.25	33.06	281	310	Peak	VERTICAL
4	5470.00	47.58	54.00	-6.42	39.79	6.60	34.25	33.06	281	310	Average	VERTICAL
5	5585.77	105.97			97.99	6.72	34.35	33.09	281	310	Average	VERTICAL
6	5585.77	116.63			108.65	6.72	34.35	33.09	281	310	Peak	VERTICAL
7	5730.00	47.56	54.00	-6.44	39.43	6.83	34.43	33.13	281	310	Average	VERTICAL
8	5762.69	59.81	74.00	-14.19	51.62	6.88	34.46	33.15	281	310	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140, 144 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 140

	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	5703.05	110.78			102.67	6.81	34.42	33.12	298	311	Peak	VERTICAL
2	5705.45	99.67			91.55	6.83	34.42	33.13	298	311	Average	VERTICAL
3	5725.80	65.07	74.00	-8.93	56.94	6.83	34.43	33.13	298	311	Peak	VERTICAL
4	5725.96	50.47	54.00	-3.53	42.34	6.83	34.43	33.13	298	311	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

	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	5714.23	103.48			95.36	6.83	34.42	33.13	224	46	Average	VERTICAL
2	5719.04	114.00			105.87	6.83	34.43	33.13	224	46	Peak	VERTICAL
3	5850.00	47.48	54.00	-6.52	39.19	6.95	34.51	33.17	224	46	Average	VERTICAL
4	5850.00	57.55	74.00	-16.45	49.26	6.95	34.51	33.17	224	46	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5713.59	49.27	54.00	-4.73	41.15	6.83	34.42	33.13	198	307	Average	VERTICAL
2	5714.55	63.52	74.00	-10.48	55.40	6.83	34.42	33.13	198	307	Peak	VERTICAL
3	5723.53	67.10	78.20	-11.10	58.97	6.83	34.43	33.13	198	307	Peak	VERTICAL
4	5741.47	99.34			91.18	6.86	34.44	33.14	198	307	Average	VERTICAL
5	5743.72	110.14			101.98	6.86	34.44	33.14	198	307	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.92	64.24	74.00	-9.76	56.12	6.83	34.42	33.13	227	306	Peak	VERTICAL
2	5713.37	49.89	54.00	-4.11	41.77	6.83	34.42	33.13	227	306	Average	VERTICAL
3	5723.46	66.04	78.20	-12.16	57.91	6.83	34.43	33.13	227	306	Peak	VERTICAL
4	5783.56	104.59			96.38	6.90	34.47	33.16	227	306	Average	VERTICAL
5	5786.44	115.84			107.62	6.90	34.48	33.16	227	306	Peak	VERTICAL
6	5851.83	62.78	78.20	-15.42	54.49	6.95	34.51	33.17	227	306	Peak	VERTICAL
7	5860.96	49.25	54.00	-4.75	40.94	6.97	34.52	33.18	227	306	Average	VERTICAL
8	5860.96	61.98	74.00	-12.02	53.67	6.97	34.52	33.18	227	306	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5820.51	113.26			105.00	6.92	34.50	33.16	294	310	Peak	VERTICAL
2	5820.83	102.00			93.74	6.92	34.50	33.16	294	310	Average	VERTICAL
3	5852.89	75.21	78.20	-2.99	66.92	6.95	34.51	33.17	294	310	Peak	VERTICAL
4	5860.90	52.89	54.00	-1.11	44.58	6.97	34.52	33.18	294	310	Average	VERTICAL
5	5861.22	69.66	74.00	-4.34	61.35	6.97	34.52	33.18	294	310	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5148.01	65.96	74.00	-8.04	59.06	6.21	33.74	33.05	247	312	Peak	VERTICAL
2	5150.00	52.85	54.00	-1.15	45.95	6.21	33.74	33.05	247	312	Average	VERTICAL
3	5175.58	94.78			87.80	6.24	33.79	33.05	247	312	Average	VERTICAL
4	5182.95	104.43			97.45	6.24	33.79	33.05	247	312	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	5148.27	52.64	54.00	-1.36	45.74	6.21	33.74	33.05	216	312	Average	VERTICAL
2	5148.27	65.08	74.00	-8.92	58.18	6.21	33.74	33.05	216	312	Peak	VERTICAL
3	5232.89	102.85			95.73	6.30	33.87	33.05	216	312	Average	VERTICAL
4	5238.17	112.32			105.20	6.30	33.87	33.05	216	312	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 54

	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	5263.59	111.26			104.05	6.34	33.93	33.06	227	311	Peak	VERTICAL
2	5265.99	102.65			95.44	6.34	33.93	33.06	227	311	Average	VERTICAL
3	5350.93	52.28	54.00	-1.72	44.81	6.47	34.06	33.06	227	311	Average	VERTICAL
4	5351.73	61.21	74.00	-12.79	53.74	6.47	34.06	33.06	227	311	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	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	5305.51	97.89			90.57	6.40	33.98	33.06	229	313	Average	VERTICAL
2	5308.08	106.31			98.99	6.40	33.98	33.06	229	313	Peak	VERTICAL
3	5352.63	51.53	54.00	-2.47	44.06	6.47	34.06	33.06	229	313	Average	VERTICAL
4	5352.63	64.77	74.00	-9.23	57.30	6.47	34.06	33.06	229	313	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 102

	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	5457.44	64.07	74.00	-9.93	56.31	6.60	34.22	33.06	244	4	Peak	VERTICAL
2	5460.00	49.57	54.00	-4.43	41.81	6.60	34.22	33.06	244	4	Average	VERTICAL
3	5465.77	67.44	74.00	-6.56	59.65	6.60	34.25	33.06	244	4	Peak	VERTICAL
4	5470.00	52.95	54.00	-1.05	45.16	6.60	34.25	33.06	244	4	Average	VERTICAL
5	5522.82	95.53			87.64	6.65	34.31	33.07	244	4	Average	VERTICAL
6	5525.71	105.18			97.29	6.65	34.31	33.07	244	4	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	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	5459.46	64.60	74.00	-9.40	56.84	6.60	34.22	33.06	291	2	Peak	VERTICAL
2	5460.00	51.98	54.00	-2.02	44.22	6.60	34.22	33.06	291	2	Average	VERTICAL
3	5470.00	66.44	68.20	-1.76	58.65	6.60	34.25	33.06	291	2	Peak	VERTICAL
4	5542.79	101.77			93.85	6.68	34.32	33.08	291	2	Average	VERTICAL
5	5545.19	111.93			104.01	6.68	34.32	33.08	291	2	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5550 MHz.

Channel 134

	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	5675.13	107.26			99.19	6.79	34.40	33.12	290	347	Peak	VERTICAL
2	5681.54	97.36			89.27	6.81	34.40	33.12	290	347	Average	VERTICAL
3	5725.77	51.74	54.00	-2.26	43.61	6.83	34.43	33.13	290	347	Average	VERTICAL
4	5726.41	63.77	74.00	-10.23	55.64	6.83	34.43	33.13	290	347	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142, 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 142

	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	5705.51	113.93			105.81	6.83	34.42	33.13	299	311	Peak	VERTICAL
2	5715.77	103.66			95.54	6.83	34.42	33.13	299	311	Average	VERTICAL
3	5856.15	48.77	54.00	-5.23	40.47	6.95	34.52	33.17	299	311	Average	VERTICAL
4	5858.72	60.26	74.00	-13.74	51.95	6.97	34.52	33.18	299	311	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

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	5708.53	65.40	74.00	-8.60	57.28	6.83	34.42	33.13	290	309	Peak	VERTICAL
2	5713.33	50.72	54.00	-3.28	42.60	6.83	34.42	33.13	290	309	Average	VERTICAL
3	5716.03	66.06	78.20	-12.14	57.94	6.83	34.42	33.13	290	309	Peak	VERTICAL
4	5740.90	93.72			85.56	6.86	34.44	33.14	290	309	Average	VERTICAL
5	5743.14	103.72			95.56	6.86	34.44	33.14	290	309	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.03	64.59	74.00	-9.41	56.47	6.83	34.42	33.13	284	310	Peak	VERTICAL
2	5715.00	49.98	54.00	-4.02	41.86	6.83	34.42	33.13	284	310	Average	VERTICAL
3	5722.89	65.76	78.20	-12.44	57.63	6.83	34.43	33.13	284	310	Peak	VERTICAL
4	5786.03	99.68			91.46	6.90	34.48	33.16	284	310	Average	VERTICAL
5	5793.08	110.76			102.54	6.90	34.48	33.16	284	310	Peak	VERTICAL
6	5850.45	66.54	78.20	-11.66	58.25	6.95	34.51	33.17	284	310	Peak	VERTICAL
7	5860.71	64.74	74.00	-9.26	56.43	6.97	34.52	33.18	284	310	Peak	VERTICAL
8	5861.03	50.55	54.00	-3.45	42.24	6.97	34.52	33.18	284	310	Average	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5145.26	52.79	54.00	-1.21	45.89	6.21	33.74	33.05	230	311	Average	VERTICAL
2	5147.18	63.93	74.00	-10.07	57.03	6.21	33.74	33.05	230	311	Peak	VERTICAL
3	5200.39	92.23			85.19	6.27	33.82	33.05	230	311	Average	VERTICAL
4	5206.15	101.77			94.73	6.27	33.82	33.05	230	311	Peak	VERTICAL

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

Channel 58

	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	5148.17	50.60	54.00	-3.40	43.70	6.21	33.74	33.05	213	310	Average	VERTICAL
2	5148.17	61.35	74.00	-12.65	54.45	6.21	33.74	33.05	213	310	Peak	VERTICAL
3	5277.98	96.70			89.44	6.37	33.95	33.06	213	310	Average	VERTICAL
4	5280.39	106.80			99.54	6.37	33.95	33.06	213	310	Peak	VERTICAL
5	5351.70	52.48	54.00	-1.52	45.01	6.47	34.06	33.06	213	310	Average	VERTICAL
6	5358.91	67.46	74.00	-6.54	59.99	6.47	34.06	33.06	213	310	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 106

	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	5453.08	63.16	74.00	-10.84	55.40	6.60	34.22	33.06	266	5	Peak	VERTICAL
2	5457.08	52.51	54.00	-1.49	44.75	6.60	34.22	33.06	266	5	Average	VERTICAL
3	5468.40	63.90	68.20	-4.30	56.11	6.60	34.25	33.06	266	5	Peak	VERTICAL
4	5542.82	102.98			95.06	6.68	34.32	33.08	266	5	Peak	VERTICAL
5	5545.22	93.57			85.65	6.68	34.32	33.08	266	5	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5530 MHz.

Channel 122

	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	5457.76	52.67	54.00	-1.33	44.91	6.60	34.22	33.06	297	310	Average	VERTICAL
2	5457.76	64.78	74.00	-9.22	57.02	6.60	34.22	33.06	297	310	Peak	VERTICAL
3	5460.80	65.37	68.20	-2.83	57.61	6.60	34.22	33.06	297	310	Peak	VERTICAL
4	5620.42	98.92			90.91	6.74	34.37	33.10	297	310	Average	VERTICAL
5	5620.42	108.92			100.91	6.74	34.37	33.10	297	310	Peak	VERTICAL
6	5738.21	64.48	68.20	-3.72	56.32	6.86	34.44	33.14	297	310	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138, 155 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 138

	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	5682.79	100.58			92.49	6.81	34.40	33.12	296	314	Average	VERTICAL
2	5685.19	110.75			102.65	6.81	34.41	33.12	296	314	Peak	VERTICAL
3	5860.67	66.60	68.20	-1.60	58.29	6.97	34.52	33.18	296	314	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 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	5673.08	66.33	74.00	-7.67	58.26	6.79	34.40	33.12	291	311	Peak	VERTICAL
2	5708.49	51.77	54.00	-2.23	43.65	6.83	34.42	33.13	291	311	Average	VERTICAL
3	5717.95	67.09	78.20	-11.11	58.96	6.83	34.43	33.13	291	311	Peak	VERTICAL
4	5788.46	92.44			84.22	6.90	34.48	33.16	291	311	Average	VERTICAL
5	5790.39	102.63			94.41	6.90	34.48	33.16	291	311	Peak	VERTICAL
6	5859.62	64.93	78.20	-13.27	56.62	6.97	34.52	33.18	291	311	Peak	VERTICAL
7	5863.46	50.21	54.00	-3.79	41.90	6.97	34.52	33.18	291	311	Average	VERTICAL
8	5871.80	64.29	74.00	-9.71	55.97	6.97	34.53	33.18	291	311	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5147.95	52.28	54.00	-1.72	45.38	6.21	33.74	33.05	222	5	Average	VERTICAL
2	5150.00	66.54	74.00	-7.46	59.64	6.21	33.74	33.05	222	5	Peak	VERTICAL
3	5183.05	113.14			106.16	6.24	33.79	33.05	222	5	Peak	VERTICAL
4	5186.73	103.24			96.26	6.24	33.79	33.05	222	5	Average	VERTICAL

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

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.68	52.63	54.00	-1.37	45.73	6.21	33.74	33.05	223	4	Average	VERTICAL
2	5150.00	66.92	74.00	-7.08	60.02	6.21	33.74	33.05	223	4	Peak	VERTICAL
3	5192.63	110.32			103.31	6.24	33.82	33.05	223	4	Average	VERTICAL
4	5193.27	119.42			112.41	6.24	33.82	33.05	223	4	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5146.15	58.46	74.00	-15.54	51.56	6.21	33.74	33.05	202	8	Peak	VERTICAL
2	5149.52	46.29	54.00	-7.71	39.39	6.21	33.74	33.05	202	8	Average	VERTICAL
3	5247.69	116.34			109.16	6.34	33.90	33.06	202	8	Peak	VERTICAL
4	5248.17	106.80			99.62	6.34	33.90	33.06	202	8	Average	VERTICAL
5	5350.48	46.49	54.00	-7.51	39.02	6.47	34.06	33.06	202	8	Average	VERTICAL
6	5353.37	59.50	74.00	-14.50	52.03	6.47	34.06	33.06	202	8	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 52

	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	5137.89	58.53	74.00	-15.47	51.70	6.17	33.71	33.05	200	311	Peak	VERTICAL
2	5148.46	46.81	54.00	-7.19	39.91	6.21	33.74	33.05	200	311	Average	VERTICAL
3	5261.92	108.55			101.34	6.34	33.93	33.06	200	311	Average	VERTICAL
4	5266.25	119.29			112.08	6.34	33.93	33.06	200	311	Peak	VERTICAL
5	5350.00	47.30	54.00	-6.70	39.83	6.47	34.06	33.06	200	311	Average	VERTICAL
6	5379.71	60.02	74.00	-13.98	52.47	6.50	34.11	33.06	200	311	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5260 MHz.

Channel 60

	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	5304.49	106.85			99.53	6.40	33.98	33.06	257	5	Average	VERTICAL
2	5305.45	116.38			109.06	6.40	33.98	33.06	257	5	Peak	VERTICAL
3	5350.00	52.89	54.00	-1.11	45.42	6.47	34.06	33.06	257	5	Average	VERTICAL
4	5350.32	67.79	74.00	-6.21	60.32	6.47	34.06	33.06	257	5	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

	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	5328.01	104.35			96.95	6.43	34.03	33.06	268	357	Average	VERTICAL
2	5328.01	113.42			106.02	6.43	34.03	33.06	268	357	Peak	VERTICAL
3	5350.93	51.52	54.00	-2.48	44.05	6.47	34.06	33.06	268	357	Average	VERTICAL
4	5351.41	65.87	74.00	-8.13	58.40	6.47	34.06	33.06	268	357	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 100

	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	5460.00	50.17	54.00	-3.83	42.41	6.60	34.22	33.06	285	360	Average	VERTICAL
2	5460.00	63.25	74.00	-10.75	55.49	6.60	34.22	33.06	285	360	Peak	VERTICAL
3	5469.23	70.17	74.00	-3.83	62.38	6.60	34.25	33.06	285	360	Peak	VERTICAL
4	5469.55	52.90	54.00	-1.10	45.11	6.60	34.25	33.06	285	360	Average	VERTICAL
5	5501.12	103.23			95.35	6.65	34.30	33.07	285	360	Average	VERTICAL
6	5501.12	113.06			105.18	6.65	34.30	33.07	285	360	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

Channel 116

	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	5425.35	47.15	54.00	-6.85	39.48	6.56	34.17	33.06	288	315	Average	VERTICAL
2	5433.37	60.09	74.00	-13.91	52.40	6.56	34.19	33.06	288	315	Peak	VERTICAL
3	5463.01	59.55	74.00	-14.45	51.76	6.60	34.25	33.06	288	315	Peak	VERTICAL
4	5469.20	46.82	54.00	-7.18	39.03	6.60	34.25	33.06	288	315	Average	VERTICAL
5	5572.79	107.51			99.55	6.70	34.34	33.08	288	315	Average	VERTICAL
6	5572.79	117.61			109.65	6.70	34.34	33.08	288	315	Peak	VERTICAL
7	5805.16	48.62	54.00	-5.38	40.39	6.90	34.49	33.16	288	315	Average	VERTICAL
8	5805.16	61.14	74.00	-12.86	52.91	6.90	34.49	33.16	288	315	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140, 144 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 140

	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	5707.69	101.26			93.14	6.83	34.42	33.13	200	46	Average	VERTICAL
2	5707.85	111.07			102.95	6.83	34.42	33.13	200	46	Peak	VERTICAL
3	5725.00	51.07	54.00	-2.93	42.94	6.83	34.43	33.13	200	46	Average	VERTICAL
4	5725.00	64.79	74.00	-9.21	56.66	6.83	34.43	33.13	200	46	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

	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	5723.37	116.70			108.57	6.83	34.43	33.13	245	308	Peak	VERTICAL
2	5724.33	106.24			98.11	6.83	34.43	33.13	245	308	Average	VERTICAL
3	5855.29	60.15	68.20	-8.05	51.85	6.95	34.52	33.17	245	308	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5710.22	50.19	54.00	-3.81	42.07	6.83	34.42	33.13	254	357	Average	VERTICAL
2	5712.47	65.07	74.00	-8.93	56.95	6.83	34.42	33.13	254	357	Peak	VERTICAL
3	5722.56	73.08	78.20	-5.12	64.95	6.83	34.43	33.13	254	357	Peak	VERTICAL
4	5753.17	111.38			103.20	6.86	34.46	33.14	254	357	Peak	VERTICAL
5	5753.49	102.67			94.49	6.86	34.46	33.14	254	357	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.85	62.24	74.00	-11.76	54.12	6.83	34.42	33.13	227	307	Peak	VERTICAL
2	5714.81	50.50	54.00	-3.50	42.38	6.83	34.42	33.13	227	307	Average	VERTICAL
3	5723.78	66.45	78.20	-11.75	58.32	6.83	34.43	33.13	227	307	Peak	VERTICAL
4	5784.04	106.62			98.41	6.90	34.47	33.16	227	307	Average	VERTICAL
5	5787.24	117.16			108.94	6.90	34.48	33.16	227	307	Peak	VERTICAL
6	5853.27	64.26	78.20	-13.94	55.97	6.95	34.51	33.17	227	307	Peak	VERTICAL
7	5860.64	61.60	74.00	-12.40	53.29	6.97	34.52	33.18	227	307	Peak	VERTICAL
8	5860.96	49.10	54.00	-4.90	40.79	6.97	34.52	33.18	227	307	Average	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5817.31	103.04			94.79	6.92	34.49	33.16	202	303	Average	VERTICAL
2	5824.36	113.76			105.50	6.92	34.50	33.16	202	303	Peak	VERTICAL
3	5852.89	72.72	78.20	-5.48	64.43	6.95	34.51	33.17	202	303	Peak	VERTICAL
4	5860.10	51.92	54.00	-2.08	43.61	6.97	34.52	33.18	202	303	Average	VERTICAL
5	5860.26	63.99	74.00	-10.01	55.68	6.97	34.52	33.18	202	303	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5142.24	64.90	74.00	-9.10	58.04	6.17	33.74	33.05	205	44	Peak	VERTICAL
2	5146.41	52.82	54.00	-1.18	45.92	6.21	33.74	33.05	205	44	Average	VERTICAL
3	5173.97	105.40			98.42	6.24	33.79	33.05	205	44	Peak	VERTICAL
4	5174.62	95.88			88.90	6.24	33.79	33.05	205	44	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	5145.71	67.41	74.00	-6.59	60.51	6.21	33.74	33.05	208	314	Peak	VERTICAL
2	5150.00	52.83	54.00	-1.17	45.93	6.21	33.74	33.05	208	314	Average	VERTICAL
3	5242.18	106.60			99.45	6.30	33.90	33.05	208	314	Average	VERTICAL
4	5243.14	116.48			109.33	6.30	33.90	33.05	208	314	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 54

	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	5256.22	115.33			108.15	6.34	33.90	33.06	206	311	Peak	VERTICAL
2	5265.19	104.53			97.32	6.34	33.93	33.06	206	311	Average	VERTICAL
3	5350.00	52.71	54.00	-1.29	45.24	6.47	34.06	33.06	206	311	Average	VERTICAL
4	5351.09	65.86	74.00	-8.14	58.39	6.47	34.06	33.06	206	311	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

	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	5315.13	100.26			92.91	6.40	34.01	33.06	251	4	Average	VERTICAL
2	5315.13	110.45			103.10	6.40	34.01	33.06	251	4	Peak	VERTICAL
3	5350.71	51.03	54.00	-2.97	43.56	6.47	34.06	33.06	251	4	Average	VERTICAL
4	5352.63	72.38	74.00	-1.62	64.91	6.47	34.06	33.06	251	4	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2
Test Date	Aug. 26, 2015 / Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 102

	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	5458.72	60.70	74.00	-13.30	52.94	6.60	34.22	33.06	226	82	Peak	VERTICAL
2	5460.00	48.12	54.00	-5.88	40.36	6.60	34.22	33.06	226	82	Average	VERTICAL
3	5461.92	65.33	74.00	-8.67	57.57	6.60	34.22	33.06	226	82	Peak	VERTICAL
4	5468.65	50.85	54.00	-3.15	43.06	6.60	34.25	33.06	226	82	Average	VERTICAL
5	5503.59	94.85			86.97	6.65	34.30	33.07	226	82	Average	VERTICAL
6	5503.91	104.65			96.77	6.65	34.30	33.07	226	82	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

Channel 110

	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	5460.00	50.26	54.00	-3.74	42.50	6.60	34.22	33.06	231	309	Average	VERTICAL
2	5460.00	63.20	74.00	-10.80	55.44	6.60	34.22	33.06	231	309	Peak	VERTICAL
3	5468.59	65.16	74.00	-8.84	57.37	6.60	34.25	33.06	231	309	Peak	VERTICAL
4	5470.00	51.83	54.00	-2.17	44.04	6.60	34.25	33.06	231	309	Average	VERTICAL
5	5566.99	113.27			105.31	6.70	34.34	33.08	231	309	Peak	VERTICAL
6	5567.63	103.71			95.75	6.70	34.34	33.08	231	309	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

Channel 134

	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	5657.50	98.93			90.87	6.79	34.39	33.12	203	76	Average	VERTICAL
2	5658.46	109.09			101.03	6.79	34.39	33.12	203	76	Peak	VERTICAL
3	5728.65	48.59	54.00	-5.41	40.46	6.83	34.43	33.13	203	76	Average	VERTICAL
4	5731.22	60.88	74.00	-13.12	52.73	6.86	34.43	33.14	203	76	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142, 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 142

	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	5727.31	104.59			96.46	6.83	34.43	33.13	221	310	Average	VERTICAL
2	5727.31	114.66			106.53	6.83	34.43	33.13	221	310	Peak	VERTICAL
3	5850.87	60.63	68.20	-7.57	52.34	6.95	34.51	33.17	221	310	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

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	5711.41	60.21	74.00	-13.79	52.09	6.83	34.42	33.13	222	40	Peak	VERTICAL
2	5713.65	48.33	54.00	-5.67	40.21	6.83	34.42	33.13	222	40	Average	VERTICAL
3	5717.82	64.24	78.20	-13.96	56.11	6.83	34.43	33.13	222	40	Peak	VERTICAL
4	5738.33	102.29			94.13	6.86	34.44	33.14	222	40	Peak	VERTICAL
5	5770.06	92.80			84.60	6.88	34.47	33.15	222	40	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5712.31	49.20	54.00	-4.80	41.08	6.83	34.42	33.13	287	307	Average	VERTICAL
2	5713.59	61.48	74.00	-12.52	53.36	6.83	34.42	33.13	287	307	Peak	VERTICAL
3	5722.89	64.27	78.20	-13.93	56.14	6.83	34.43	33.13	287	307	Peak	VERTICAL
4	5782.50	99.33			91.12	6.90	34.47	33.16	287	307	Average	VERTICAL
5	5786.35	112.06			103.84	6.90	34.48	33.16	287	307	Peak	VERTICAL
6	5852.05	63.58	78.20	-14.62	55.29	6.95	34.51	33.17	287	307	Peak	VERTICAL
7	5860.00	49.44	54.00	-4.56	41.13	6.97	34.52	33.18	287	307	Average	VERTICAL
8	5860.39	61.78	74.00	-12.22	53.47	6.97	34.52	33.18	287	307	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 58 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

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	5117.05	63.35	74.00	-10.65	56.57	6.14	33.69	33.05	233	311	Peak	VERTICAL
2	5150.00	51.23	54.00	-2.77	44.33	6.21	33.74	33.05	233	311	Average	VERTICAL
3	5176.35	108.68			101.70	6.24	33.79	33.05	233	311	Peak	VERTICAL
4	5242.05	92.18			85.03	6.30	33.90	33.05	233	311	Average	VERTICAL
5	5373.46	59.14	74.00	-14.86	51.61	6.50	34.09	33.06	233	311	Peak	VERTICAL
6	5395.10	46.69	54.00	-7.31	39.11	6.50	34.14	33.06	233	311	Average	VERTICAL

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

Channel 58

	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	5139.36	59.46	74.00	-14.54	52.63	6.17	33.71	33.05	219	6	Peak	VERTICAL
2	5148.97	47.92	54.00	-6.08	41.02	6.21	33.74	33.05	219	6	Average	VERTICAL
3	5265.16	111.15			103.94	6.34	33.93	33.06	219	6	Peak	VERTICAL
4	5269.97	96.76			89.55	6.34	33.93	33.06	219	6	Average	VERTICAL
5	5350.90	72.80	74.00	-1.20	65.33	6.47	34.06	33.06	219	6	Peak	VERTICAL
6	5362.92	51.55	54.00	-2.45	44.05	6.47	34.09	33.06	219	6	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106, 122 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 106

	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	5437.05	67.92	74.00	-6.08	60.23	6.56	34.19	33.06	248	5	Peak	VERTICAL
2	5444.26	52.63	54.00	-1.37	44.94	6.56	34.19	33.06	248	5	Average	VERTICAL
3	5465.19	52.23	54.00	-1.77	44.44	6.60	34.25	33.06	248	5	Average	VERTICAL
4	5465.90	70.63	74.00	-3.37	62.84	6.60	34.25	33.06	248	5	Peak	VERTICAL
5	5521.19	93.88			85.99	6.65	34.31	33.07	248	5	Average	VERTICAL
6	5521.19	104.47			96.58	6.65	34.31	33.07	248	5	Peak	VERTICAL
7	5726.31	47.07	54.00	-6.93	38.94	6.83	34.43	33.13	248	5	Average	VERTICAL
8	5759.97	60.36	74.00	-13.64	52.17	6.88	34.46	33.15	248	5	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

Channel 122

	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	5459.36	64.63	74.00	-9.37	56.87	6.60	34.22	33.06	226	344	Peak	VERTICAL
2	5460.00	49.37	54.00	-4.63	41.61	6.60	34.22	33.06	226	344	Average	VERTICAL
3	5464.97	66.51	74.00	-7.49	58.72	6.60	34.25	33.06	226	344	Peak	VERTICAL
4	5470.00	51.12	54.00	-2.88	43.33	6.60	34.25	33.06	226	344	Average	VERTICAL
5	5640.45	98.25			90.22	6.76	34.38	33.11	226	344	Average	VERTICAL
6	5641.25	108.57			100.54	6.76	34.38	33.11	226	344	Peak	VERTICAL
7	5725.00	52.14	54.00	-1.86	44.01	6.83	34.43	33.13	226	344	Average	VERTICAL
8	5727.79	67.21	74.00	-6.79	59.08	6.83	34.43	33.13	226	344	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138, 155 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R0 / Mode 4 (Dipole antenna)		

Channel 138

	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	5664.36	111.02			102.96	6.79	34.39	33.12	200	45	Peak	VERTICAL
2	5710.03	99.02			90.90	6.83	34.42	33.13	200	45	Average	VERTICAL
3	5859.87	67.05	68.20	-1.15	58.74	6.97	34.52	33.18	200	45	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 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	5683.65	48.98	54.00	-5.02	40.88	6.81	34.41	33.12	205	305	Average	VERTICAL
2	5691.67	62.06	74.00	-11.94	53.96	6.81	34.41	33.12	205	305	Peak	VERTICAL
3	5718.91	65.99	78.20	-12.21	57.86	6.83	34.43	33.13	205	305	Peak	VERTICAL
4	5743.75	104.06			95.90	6.86	34.44	33.14	205	305	Peak	VERTICAL
5	5779.81	91.03			82.83	6.88	34.47	33.15	205	305	Average	VERTICAL
6	5855.93	65.86	78.20	-12.34	57.56	6.95	34.52	33.17	205	305	Peak	VERTICAL
7	5860.00	48.86	54.00	-5.14	40.55	6.97	34.52	33.18	205	305	Average	VERTICAL
8	5872.76	62.67	74.00	-11.33	54.35	6.97	34.53	33.18	205	305	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 22, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5149.60	67.99	74.00	-6.01	61.09	6.21	33.74	33.05	194	310	Peak	VERTICAL
2	5149.80	52.60	54.00	-1.40	45.70	6.21	33.74	33.05	194	310	Average	VERTICAL
3	5174.80	103.90			96.92	6.24	33.79	33.05	194	310	Average	VERTICAL
4	5175.00	114.85			107.87	6.24	33.79	33.05	194	310	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	5149.60	66.11	74.00	-7.89	59.21	6.21	33.74	33.05	158	309	Peak	VERTICAL
2	5150.00	52.69	54.00	-1.31	45.79	6.21	33.74	33.05	158	309	Average	VERTICAL
3	5195.60	116.76			109.72	6.27	33.82	33.05	158	309	Peak	VERTICAL
4	5205.60	106.28			99.24	6.27	33.82	33.05	158	309	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	5091.80	45.81	54.00	-8.19	39.09	6.11	33.66	33.05	174	307	Average	VERTICAL
2	5093.60	58.48	74.00	-15.52	51.73	6.14	33.66	33.05	174	307	Peak	VERTICAL
3	5245.40	106.85			99.70	6.30	33.90	33.05	174	307	Average	VERTICAL
4	5245.40	117.19			110.04	6.30	33.90	33.05	174	307	Peak	VERTICAL
5	5354.60	47.60	54.00	-6.40	40.13	6.47	34.06	33.06	174	307	Average	VERTICAL
6	5379.80	60.91	74.00	-13.09	53.36	6.50	34.11	33.06	174	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 22, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5715.00	52.88	54.00	-1.12	44.76	6.83	34.42	33.13	150	305	Average	VERTICAL
2	5715.00	68.97	74.00	-5.03	60.85	6.83	34.42	33.13	150	305	Peak	VERTICAL
3	5725.00	75.55	78.20	-2.65	67.42	6.83	34.43	33.13	150	305	Peak	VERTICAL
4	5739.80	115.08			106.92	6.86	34.44	33.14	150	305	Peak	VERTICAL
5	5740.20	104.91			96.75	6.86	34.44	33.14	150	305	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.92	62.44	74.00	-11.56	54.32	6.83	34.42	33.13	161	294	Peak	VERTICAL
2	5715.00	47.54	54.00	-6.46	39.42	6.83	34.42	33.13	161	294	Average	VERTICAL
3	5724.42	63.95	78.20	-14.25	55.82	6.83	34.43	33.13	161	294	Peak	VERTICAL
4	5780.19	117.39			109.19	6.88	34.47	33.15	161	294	Peak	VERTICAL
5	5780.67	106.76			98.56	6.88	34.47	33.15	161	294	Average	VERTICAL
6	5850.00	61.68	78.20	-16.52	53.39	6.95	34.51	33.17	161	294	Peak	VERTICAL
7	5864.81	47.36	54.00	-6.64	39.05	6.97	34.52	33.18	161	294	Average	VERTICAL
8	5865.77	61.62	74.00	-12.38	53.31	6.97	34.52	33.18	161	294	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5830.20	105.77			97.51	6.92	34.50	33.16	144	303	Average	VERTICAL
2	5830.60	116.07			107.81	6.92	34.50	33.16	144	303	Peak	VERTICAL
3	5851.00	76.74	78.20	-1.46	68.45	6.95	34.51	33.17	144	303	Average	VERTICAL
4	5860.00	52.83	54.00	-1.17	44.52	6.97	34.52	33.18	144	303	Average	VERTICAL
5	5860.60	66.20	74.00	-7.80	57.89	6.97	34.52	33.18	144	303	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 22, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5150.00	52.56	54.00	-1.44	45.66	6.21	33.74	33.05	172	313	Average	VERTICAL
2	5150.00	67.30	74.00	-6.70	60.40	6.21	33.74	33.05	172	313	Peak	VERTICAL
3	5175.00	102.07			95.09	6.24	33.79	33.05	172	313	Average	VERTICAL
4	5175.00	113.48			106.50	6.24	33.79	33.05	172	313	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	5150.00	52.94	54.00	-1.06	46.04	6.21	33.74	33.05	155	308	Average	VERTICAL
2	5150.00	67.07	74.00	-6.93	60.17	6.21	33.74	33.05	155	308	Peak	VERTICAL
3	5205.20	105.70			98.66	6.27	33.82	33.05	155	308	Average	VERTICAL
4	5205.60	116.87			109.83	6.27	33.82	33.05	155	308	Peak	VERTICAL

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

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5093.60	47.48	54.00	-6.52	40.73	6.14	33.66	33.05	290	127	Average	HORIZONTAL
2	5118.20	60.26	74.00	-13.74	53.48	6.14	33.69	33.05	290	127	Peak	HORIZONTAL
3	5234.00	95.64			88.52	6.30	33.87	33.05	290	127	Average	HORIZONTAL
4	5234.60	106.09			98.97	6.30	33.87	33.05	290	127	Peak	HORIZONTAL
5	5374.40	62.01	74.00	-11.99	54.48	6.50	34.09	33.06	290	127	Peak	HORIZONTAL
6	5381.00	48.94	54.00	-5.06	41.39	6.50	34.11	33.06	290	127	Average	HORIZONTAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 22, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5712.20	67.94	74.00	-6.06	59.82	6.83	34.42	33.13	164	302	Peak	VERTICAL
2	5715.00	52.99	54.00	-1.01	44.87	6.83	34.42	33.13	164	302	Average	VERTICAL
3	5724.60	76.43	78.20	-1.77	68.30	6.83	34.43	33.13	164	302	Peak	VERTICAL
4	5740.20	104.63			96.47	6.86	34.44	33.14	164	302	Average	VERTICAL
5	5742.20	115.60			107.44	6.86	34.44	33.14	164	302	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	60.42	74.00	-13.58	52.30	6.83	34.42	33.13	156	302	Peak	VERTICAL
2	5715.00	48.37	54.00	-5.63	40.25	6.83	34.42	33.13	156	302	Average	VERTICAL
3	5723.80	62.14	78.20	-16.06	54.01	6.83	34.43	33.13	156	302	Peak	VERTICAL
4	5780.20	104.95			96.75	6.88	34.47	33.15	156	302	Average	VERTICAL
5	5780.20	115.63			107.43	6.88	34.47	33.15	156	302	Peak	VERTICAL
6	5852.80	63.24	78.20	-14.96	54.95	6.95	34.51	33.17	156	302	Peak	VERTICAL
7	5860.60	61.05	74.00	-12.95	52.74	6.97	34.52	33.18	156	302	Peak	VERTICAL
8	5862.40	48.43	54.00	-5.57	40.12	6.97	34.52	33.18	156	302	Average	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5822.00	116.49			108.23	6.92	34.50	33.16	168	302	Peak	VERTICAL
2	5829.80	104.91			96.65	6.92	34.50	33.16	168	302	Average	VERTICAL
3	5852.00	70.81	78.20	-7.39	62.52	6.95	34.51	33.17	168	302	Peak	VERTICAL
4	5860.00	52.84	54.00	-1.16	44.53	6.97	34.52	33.18	168	302	Average	VERTICAL
5	5860.00	67.94	74.00	-6.06	59.63	6.97	34.52	33.18	168	302	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5149.60	64.74	74.00	-9.26	57.84	6.21	33.74	33.05	152	307	Peak	VERTICAL
2	5150.00	52.38	54.00	-1.62	45.48	6.21	33.74	33.05	152	307	Average	VERTICAL
3	5202.40	105.39			98.35	6.27	33.82	33.05	152	307	Peak	VERTICAL
4	5205.20	95.15			88.11	6.27	33.82	33.05	152	307	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	5149.60	65.85	74.00	-8.15	58.95	6.21	33.74	33.05	164	308	Peak	VERTICAL
2	5150.00	52.50	54.00	-1.50	45.60	6.21	33.74	33.05	164	308	Average	VERTICAL
3	5224.80	113.47			106.35	6.30	33.87	33.05	164	308	Peak	VERTICAL
4	5225.20	102.73			95.61	6.30	33.87	33.05	164	308	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5715.00	66.98	68.20	-1.22	58.86	6.83	34.42	33.13	147	304	Peak	VERTICAL
2	5717.40	68.76	78.20	-9.44	60.64	6.83	34.42	33.13	147	304	Peak	VERTICAL
3	5767.80	107.36			99.17	6.88	34.46	33.15	147	304	Peak	VERTICAL
4	5770.20	97.08			88.88	6.88	34.47	33.15	147	304	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.20	66.55	68.20	-1.65	58.43	6.83	34.42	33.13	160	302	Peak	VERTICAL
2	5717.40	68.33	78.20	-9.87	60.21	6.83	34.42	33.13	160	302	Peak	VERTICAL
3	5793.00	113.99			105.77	6.90	34.48	33.16	160	302	Peak	VERTICAL
4	5810.20	101.89			93.64	6.92	34.49	33.16	160	302	Average	VERTICAL
5	5850.00	70.08	78.20	-8.12	61.79	6.95	34.51	33.17	160	302	Peak	VERTICAL
6	5860.00	53.91	68.20	-14.29	45.60	6.97	34.52	33.18	160	302	Peak	VERTICAL
7	5863.00	67.18	68.20	-1.02	58.87	6.97	34.52	33.18	160	302	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Aug. 23, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5150.00	52.95	54.00	-1.05	46.05	6.21	33.74	33.05	170	312	Average	VERTICAL
2	5150.00	63.65	74.00	-10.35	56.75	6.21	33.74	33.05	170	312	Peak	VERTICAL
3	5195.00	101.57			94.53	6.27	33.82	33.05	170	312	Peak	VERTICAL
4	5198.00	92.83			85.79	6.27	33.82	33.05	170	312	Average	VERTICAL
5	5354.00	48.53	54.00	-5.47	41.06	6.47	34.06	33.06	170	312	Average	VERTICAL
6	5362.00	61.30	74.00	-12.70	53.80	6.47	34.09	33.06	170	312	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	5697.00	66.57	68.20	-1.63	58.47	6.81	34.41	33.12	168	305	Peak	VERTICAL
2	5722.00	67.32	78.20	-10.88	59.19	6.83	34.43	33.13	168	305	Peak	VERTICAL
3	5770.00	105.18			96.98	6.88	34.47	33.15	168	305	Peak	VERTICAL
4	5773.00	95.53			87.33	6.88	34.47	33.15	168	305	Average	VERTICAL
5	5858.00	64.12	78.20	-14.08	55.81	6.97	34.52	33.18	168	305	Peak	VERTICAL
6	5860.00	63.50	68.20	-4.70	55.19	6.97	34.52	33.18	168	305	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5147.95	67.25	74.00	-6.75	60.35	6.21	33.74	33.05	100	272	Peak	VERTICAL
2	5148.91	52.79	54.00	-1.21	45.89	6.21	33.74	33.05	100	272	Average	VERTICAL
3	5172.47	104.37			97.41	6.24	33.77	33.05	100	272	Average	VERTICAL
4	5177.76	114.11			107.13	6.24	33.79	33.05	100	272	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	5149.36	64.81	74.00	-9.19	57.91	6.21	33.74	33.05	166	299	Peak	VERTICAL
2	5149.68	52.61	54.00	-1.39	45.71	6.21	33.74	33.05	166	299	Average	VERTICAL
3	5201.92	117.00			109.96	6.27	33.82	33.05	166	299	Peak	VERTICAL
4	5203.53	107.20			100.16	6.27	33.82	33.05	166	299	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	5147.05	58.59	74.00	-15.41	51.69	6.21	33.74	33.05	135	272	Peak	VERTICAL
2	5148.65	47.13	54.00	-6.87	40.23	6.21	33.74	33.05	135	272	Average	VERTICAL
3	5235.19	108.16			101.04	6.30	33.87	33.05	135	272	Average	VERTICAL
4	5236.80	118.11			110.99	6.30	33.87	33.05	135	272	Peak	VERTICAL
5	5450.74	49.63	54.00	-4.37	41.87	6.60	34.22	33.06	135	272	Average	VERTICAL
6	5453.14	61.38	74.00	-12.62	53.62	6.60	34.22	33.06	135	272	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5715.00	66.86	68.20	-1.34	58.74	6.83	34.42	33.13	139	269	Peak	VERTICAL
2	5723.21	72.29	78.20	-5.91	64.16	6.83	34.43	33.13	139	269	Peak	VERTICAL
3	5751.25	116.35			108.19	6.86	34.44	33.14	139	269	Peak	VERTICAL
4	5752.53	106.30			98.12	6.86	34.46	33.14	139	269	Average	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.00	52.93	54.00	-1.07	44.81	6.83	34.42	33.13	168	293	Average	VERTICAL
2	5715.00	67.06	74.00	-6.94	58.94	6.83	34.42	33.13	168	293	Peak	VERTICAL
3	5724.10	72.22	78.20	-5.98	64.09	6.83	34.43	33.13	168	293	Peak	VERTICAL
4	5780.19	111.26			103.06	6.88	34.47	33.15	168	293	Average	VERTICAL
5	5781.47	120.76			112.55	6.90	34.47	33.16	168	293	Peak	VERTICAL
6	5850.39	72.38	78.20	-5.82	64.09	6.95	34.51	33.17	168	293	Peak	VERTICAL
7	5860.00	52.94	54.00	-1.06	44.63	6.97	34.52	33.18	168	293	Average	VERTICAL
8	5860.00	66.72	74.00	-7.28	58.41	6.97	34.52	33.18	168	293	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5828.37	116.60			108.34	6.92	34.50	33.16	146	293	Peak	VERTICAL
2	5829.81	107.13			98.87	6.92	34.50	33.16	146	293	Average	VERTICAL
3	5850.00	73.27	78.20	-4.93	64.98	6.95	34.51	33.17	146	293	Peak	VERTICAL
4	5860.58	67.53	74.00	-6.47	59.22	6.97	34.52	33.18	146	293	Peak	VERTICAL
5	5860.74	52.77	54.00	-1.23	44.46	6.97	34.52	33.18	146	293	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5148.65	66.80	74.00	-7.20	59.90	6.21	33.74	33.05	150	271	Peak	VERTICAL
2	5148.97	52.75	54.00	-1.25	45.85	6.21	33.74	33.05	150	271	Average	VERTICAL
3	5181.35	105.15			98.17	6.24	33.79	33.05	150	271	Peak	VERTICAL
4	5195.13	94.51			87.47	6.27	33.82	33.05	150	271	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	5138.65	65.11	74.00	-8.89	58.28	6.17	33.71	33.05	146	271	Peak	VERTICAL
2	5149.55	52.62	54.00	-1.38	45.72	6.21	33.74	33.05	146	271	Average	VERTICAL
3	5237.37	103.45			96.33	6.30	33.87	33.05	146	271	Average	VERTICAL
4	5238.33	114.00			106.88	6.30	33.87	33.05	146	271	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5713.65	66.95	68.20	-1.25	58.83	6.83	34.42	33.13	150	266	Peak	VERTICAL
2	5725.00	73.78	78.20	-4.42	65.65	6.83	34.43	33.13	150	266	Peak	VERTICAL
3	5757.89	98.49			90.30	6.88	34.46	33.15	150	266	Average	VERTICAL
4	5763.17	108.74			100.55	6.88	34.46	33.15	150	266	Peak	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.23	64.52	68.20	-3.68	56.40	6.83	34.42	33.13	145	290	Peak	VERTICAL
2	5722.40	71.11	78.20	-7.09	62.98	6.83	34.43	33.13	145	290	Peak	VERTICAL
3	5780.10	114.38			106.18	6.88	34.47	33.15	145	290	Peak	VERTICAL
4	5811.83	104.61			96.36	6.92	34.49	33.16	145	290	Average	VERTICAL
5	5854.14	69.70	78.20	-8.50	61.40	6.95	34.52	33.17	145	290	Peak	VERTICAL
6	5866.15	67.18	68.20	-1.02	58.87	6.97	34.52	33.18	145	290	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Aug. 24, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 5 (PIFA antenna)		

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	5145.90	52.79	54.00	-1.21	45.89	6.21	33.74	33.05	154	274	Average	VERTICAL
2	5147.50	65.41	74.00	-8.59	58.51	6.21	33.74	33.05	154	274	Peak	VERTICAL
3	5224.42	92.01			84.91	6.30	33.85	33.05	154	274	Average	VERTICAL
4	5234.84	102.00			94.88	6.30	33.87	33.05	154	274	Peak	VERTICAL
5	5359.84	46.09	54.00	-7.91	38.62	6.47	34.06	33.06	154	274	Average	VERTICAL
6	5439.17	59.05	74.00	-14.95	51.36	6.56	34.19	33.06	154	274	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	5700.48	67.05	68.20	-1.15	58.95	6.81	34.41	33.12	152	270	Peak	VERTICAL
2	5724.52	72.48	78.20	-5.72	64.35	6.83	34.43	33.13	152	270	Peak	VERTICAL
3	5740.55	109.11			100.95	6.86	34.44	33.14	152	270	Peak	VERTICAL
4	5785.42	94.67			86.46	6.90	34.47	33.16	152	270	Average	VERTICAL
5	5859.14	65.14	78.20	-13.06	56.83	6.97	34.52	33.18	152	270	Peak	VERTICAL
6	5861.54	67.15	68.20	-1.05	58.84	6.97	34.52	33.18	152	270	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5150.00	52.73	54.00	-1.27	45.83	6.21	33.74	33.05	224	311	Average	VERTICAL
2	5150.00	69.32	74.00	-4.68	62.42	6.21	33.74	33.05	224	311	Peak	VERTICAL
3	5175.51	102.57			95.59	6.24	33.79	33.05	224	311	Average	VERTICAL
4	5175.51	113.51			106.53	6.24	33.79	33.05	224	311	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	5148.72	65.11	74.00	-8.89	58.21	6.21	33.74	33.05	213	311	Peak	VERTICAL
2	5150.00	52.59	54.00	-1.41	45.69	6.21	33.74	33.05	213	311	Average	VERTICAL
3	5201.28	116.28			109.24	6.27	33.82	33.05	213	311	Peak	VERTICAL
4	5205.45	105.51			98.47	6.27	33.82	33.05	213	311	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	5118.37	59.43	74.00	-14.57	52.62	6.17	33.69	33.05	237	310	Peak	VERTICAL
2	5149.14	45.94	54.00	-8.06	39.04	6.21	33.74	33.05	237	310	Average	VERTICAL
3	5235.67	116.17			109.05	6.30	33.87	33.05	237	310	Peak	VERTICAL
4	5240.96	105.30			98.18	6.30	33.87	33.05	237	310	Average	VERTICAL
5	5355.39	46.08	54.00	-7.92	38.61	6.47	34.06	33.06	237	310	Average	VERTICAL
6	5362.60	59.01	74.00	-14.99	51.51	6.47	34.09	33.06	237	310	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11a CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5715.00	50.82	54.00	-3.18	42.70	6.83	34.42	33.13	277	302	Average	VERTICAL
2	5715.00	65.11	74.00	-8.89	56.99	6.83	34.42	33.13	277	302	Peak	VERTICAL
3	5725.00	72.77	78.20	-5.43	64.64	6.83	34.43	33.13	277	302	Peak	VERTICAL
4	5741.15	101.90			93.74	6.86	34.44	33.14	277	302	Average	VERTICAL
5	5741.15	112.87			104.71	6.86	34.44	33.14	277	302	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5713.21	59.63	74.00	-14.37	51.51	6.83	34.42	33.13	249	300	Peak	VERTICAL
2	5715.00	47.27	54.00	-6.73	39.15	6.83	34.42	33.13	249	300	Average	VERTICAL
3	5722.76	60.19	78.20	-18.01	52.06	6.83	34.43	33.13	249	300	Peak	VERTICAL
4	5786.60	102.65			94.43	6.90	34.48	33.16	249	300	Average	VERTICAL
5	5786.92	113.81			105.59	6.90	34.48	33.16	249	300	Peak	VERTICAL
6	5851.35	61.18	78.20	-17.02	52.89	6.95	34.51	33.17	249	300	Peak	VERTICAL
7	5860.96	47.43	54.00	-6.57	39.12	6.97	34.52	33.18	249	300	Average	VERTICAL
8	5880.83	60.67	74.00	-13.33	52.35	6.97	34.53	33.18	249	300	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5820.03	113.10			104.84	6.92	34.50	33.16	283	307	Peak	VERTICAL
2	5820.19	101.92			93.66	6.92	34.50	33.16	283	307	Average	VERTICAL
3	5851.12	75.12	78.20	-3.08	66.83	6.95	34.51	33.17	283	307	Peak	VERTICAL
4	5860.10	50.66	54.00	-3.34	42.35	6.97	34.52	33.18	283	307	Average	VERTICAL
5	5860.26	64.76	74.00	-9.24	56.45	6.97	34.52	33.18	283	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5147.15	65.52	74.00	-8.48	58.62	6.21	33.74	33.05	246	311	Peak	VERTICAL
2	5150.00	51.72	54.00	-2.28	44.82	6.21	33.74	33.05	246	311	Average	VERTICAL
3	5175.03	101.49			94.51	6.24	33.79	33.05	246	311	Average	VERTICAL
4	5177.44	112.43			105.45	6.24	33.79	33.05	246	311	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	5149.36	64.78	74.00	-9.22	57.88	6.21	33.74	33.05	264	306	Peak	VERTICAL
2	5150.00	52.06	54.00	-1.94	45.16	6.21	33.74	33.05	264	306	Average	VERTICAL
3	5200.64	114.19			107.15	6.27	33.82	33.05	264	306	Peak	VERTICAL
4	5205.13	103.78			96.74	6.27	33.82	33.05	264	306	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	5115.96	58.69	74.00	-15.31	51.91	6.14	33.69	33.05	229	307	Peak	VERTICAL
2	5149.62	46.27	54.00	-7.73	39.37	6.21	33.74	33.05	229	307	Average	VERTICAL
3	5235.19	105.84			98.72	6.30	33.87	33.05	229	307	Average	VERTICAL
4	5245.29	117.13			109.98	6.30	33.90	33.05	229	307	Peak	VERTICAL
5	5354.90	46.31	54.00	-7.69	38.84	6.47	34.06	33.06	229	307	Average	VERTICAL
6	5359.71	59.49	74.00	-14.51	52.02	6.47	34.06	33.06	229	307	Peak	VERTICAL

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

Temperature	24°C	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5707.02	62.24	74.00	-11.76	54.12	6.83	34.42	33.13	258	303	Peak	VERTICAL
2	5715.00	49.61	54.00	-4.39	41.49	6.83	34.42	33.13	258	303	Average	VERTICAL
3	5725.00	72.02	78.20	-6.18	63.89	6.83	34.43	33.13	258	303	Peak	VERTICAL
4	5742.76	99.04			90.88	6.86	34.44	33.14	258	303	Average	VERTICAL
5	5743.08	110.69			102.53	6.86	34.44	33.14	258	303	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5697.82	59.65	74.00	-14.35	51.55	6.81	34.41	33.12	264	306	Peak	VERTICAL
2	5715.00	47.56	54.00	-6.44	39.44	6.83	34.42	33.13	264	306	Average	VERTICAL
3	5723.14	61.06	78.20	-17.14	52.93	6.83	34.43	33.13	264	306	Peak	VERTICAL
4	5780.83	113.82			105.62	6.88	34.47	33.15	264	306	Peak	VERTICAL
5	5782.76	103.58			95.37	6.90	34.47	33.16	264	306	Average	VERTICAL
6	5853.59	60.64	78.20	-17.56	52.34	6.95	34.52	33.17	264	306	Peak	VERTICAL
7	5864.49	47.71	54.00	-6.29	39.40	6.97	34.52	33.18	264	306	Average	VERTICAL
8	5870.26	60.55	74.00	-13.45	52.24	6.97	34.52	33.18	264	306	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5818.11	98.98			90.73	6.92	34.49	33.16	257	303	Average	VERTICAL
2	5818.11	110.99			102.74	6.92	34.49	33.16	257	303	Peak	VERTICAL
3	5850.48	65.98	78.20	-12.22	57.69	6.95	34.51	33.17	257	303	Peak	VERTICAL
4	5860.74	49.01	54.00	-4.99	40.70	6.97	34.52	33.18	257	303	Average	VERTICAL
5	5865.71	61.08	74.00	-12.92	52.77	6.97	34.52	33.18	257	303	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5147.69	52.43	54.00	-1.57	45.53	6.21	33.74	33.05	228	309	Average	VERTICAL
2	5147.69	66.70	74.00	-7.30	59.80	6.21	33.74	33.05	228	309	Peak	VERTICAL
3	5197.69	95.13			88.09	6.27	33.82	33.05	228	309	Average	VERTICAL
4	5202.50	105.42			98.38	6.27	33.82	33.05	228	309	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	5145.39	64.20	74.00	-9.80	57.30	6.21	33.74	33.05	245	309	Peak	VERTICAL
2	5150.00	52.85	54.00	-1.15	45.95	6.21	33.74	33.05	245	309	Average	VERTICAL
3	5222.63	101.61			94.51	6.30	33.85	33.05	245	309	Average	VERTICAL
4	5224.87	111.81			104.69	6.30	33.87	33.05	245	309	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5712.37	64.36	74.00	-9.64	56.24	6.83	34.42	33.13	279	306	Peak	VERTICAL
2	5715.00	52.61	54.00	-1.39	44.49	6.83	34.42	33.13	279	306	Average	VERTICAL
3	5719.55	67.38	78.20	-10.82	59.25	6.83	34.43	33.13	279	306	Peak	VERTICAL
4	5737.37	104.38			96.22	6.86	34.44	33.14	279	306	Peak	VERTICAL
5	5740.26	93.90			85.74	6.86	34.44	33.14	279	306	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5706.22	61.73	74.00	-12.27	53.61	6.83	34.42	33.13	253	304	Peak	VERTICAL
2	5715.00	49.53	54.00	-4.47	41.41	6.83	34.42	33.13	253	304	Average	VERTICAL
3	5720.64	64.01	78.20	-14.19	55.88	6.83	34.43	33.13	253	304	Peak	VERTICAL
4	5800.13	108.57			100.35	6.90	34.48	33.16	253	304	Peak	VERTICAL
5	5800.45	98.20			89.98	6.90	34.48	33.16	253	304	Average	VERTICAL
6	5850.77	65.61	78.20	-12.59	57.32	6.95	34.51	33.17	253	304	Peak	VERTICAL
7	5860.39	51.42	54.00	-2.58	43.11	6.97	34.52	33.18	253	304	Average	VERTICAL
8	5862.95	64.59	74.00	-9.41	56.28	6.97	34.52	33.18	253	304	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Aug. 28, 2015	Test Function	Non-beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5145.10	61.21	74.00	-12.79	54.31	6.21	33.74	33.05	267	311	Peak	VERTICAL
2	5150.00	50.07	54.00	-3.93	43.17	6.21	33.74	33.05	267	311	Average	VERTICAL
3	5194.78	100.12			93.08	6.27	33.82	33.05	267	311	Peak	VERTICAL
4	5225.22	90.85			83.73	6.30	33.87	33.05	267	311	Average	VERTICAL
5	5363.85	47.59	54.00	-6.41	40.09	6.47	34.09	33.06	267	311	Average	VERTICAL
6	5384.68	57.92	74.00	-16.08	50.37	6.50	34.11	33.06	267	311	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	5705.29	63.95	74.00	-10.05	55.83	6.83	34.42	33.13	275	305	Peak	VERTICAL
2	5715.00	52.61	54.00	-1.39	44.49	6.83	34.42	33.13	275	305	Average	VERTICAL
3	5725.00	65.87	78.20	-12.33	57.74	6.83	34.43	33.13	275	305	Peak	VERTICAL
4	5783.01	91.28			83.07	6.90	34.47	33.16	275	305	Average	VERTICAL
5	5785.42	101.87			93.66	6.90	34.47	33.16	275	305	Peak	VERTICAL
6	5859.94	62.33	78.20	-15.87	54.02	6.97	34.52	33.18	275	305	Peak	VERTICAL
7	5860.74	61.88	74.00	-12.12	53.57	6.97	34.52	33.18	275	305	Peak	VERTICAL
8	5862.34	49.72	54.00	-4.28	41.41	6.97	34.52	33.18	275	305	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5149.55	52.60	54.00	-1.40	45.70	6.21	33.74	33.05	230	317	Average	VERTICAL
2	5149.87	68.50	74.00	-5.50	61.60	6.21	33.74	33.05	230	317	Peak	VERTICAL
3	5172.63	103.42			96.46	6.24	33.77	33.05	230	317	Average	VERTICAL
4	5174.71	112.71			105.73	6.24	33.79	33.05	230	317	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	5149.04	51.88	54.00	-2.12	44.98	6.21	33.74	33.05	208	36	Average	VERTICAL
2	5150.00	66.82	74.00	-7.18	59.92	6.21	33.74	33.05	208	36	Peak	VERTICAL
3	5203.53	115.80			108.76	6.27	33.82	33.05	208	36	Peak	VERTICAL
4	5205.13	105.50			98.46	6.27	33.82	33.05	208	36	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	4808.91	50.15	54.00	-3.85	44.03	6.13	33.08	33.09	214	316	Average	VERTICAL
2	4808.91	61.76	74.00	-12.24	55.64	6.13	33.08	33.09	214	316	Peak	VERTICAL
3	5246.41	109.82			102.64	6.34	33.90	33.06	214	316	Average	VERTICAL
4	5246.41	119.18			112.00	6.34	33.90	33.06	214	316	Peak	VERTICAL
5	5460.00	49.01	54.00	-4.99	41.25	6.60	34.22	33.06	214	316	Average	VERTICAL
6	5460.00	60.15	74.00	-13.85	52.39	6.60	34.22	33.06	214	316	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5712.63	50.93	54.00	-3.07	42.81	6.83	34.42	33.13	269	312	Average	VERTICAL
2	5715.00	63.29	74.00	-10.71	55.17	6.83	34.42	33.13	269	312	Peak	VERTICAL
3	5725.00	74.24	78.20	-3.96	66.11	6.83	34.43	33.13	269	312	Peak	VERTICAL
4	5737.31	102.10			93.94	6.86	34.44	33.14	269	312	Average	VERTICAL
5	5739.87	112.67			104.51	6.86	34.44	33.14	269	312	Peak	VERTICAL

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

Channel 157

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5710.00	61.91	74.00	-12.09	53.79	6.83	34.42	33.13	231	308	Peak	VERTICAL
2	5714.81	49.23	54.00	-4.77	41.11	6.83	34.42	33.13	231	308	Average	VERTICAL
3	5724.10	62.27	78.20	-15.93	54.14	6.83	34.43	33.13	231	308	Peak	VERTICAL
4	5789.81	115.89			107.67	6.90	34.48	33.16	231	308	Peak	VERTICAL
5	5792.69	106.24			98.02	6.90	34.48	33.16	231	308	Average	VERTICAL
6	5851.03	62.06	78.20	-16.14	53.77	6.95	34.51	33.17	231	308	Peak	VERTICAL
7	5862.89	49.21	54.00	-4.79	40.90	6.97	34.52	33.18	231	308	Average	VERTICAL
8	5868.01	61.58	74.00	-12.42	53.27	6.97	34.52	33.18	231	308	Peak	VERTICAL

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

Channel 165

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5828.37	113.39			105.13	6.92	34.50	33.16	202	308	Peak	VERTICAL
2	5830.77	103.45			95.19	6.92	34.50	33.16	202	308	Average	VERTICAL
3	5851.92	68.12	78.20	-10.08	59.83	6.95	34.51	33.17	202	308	Peak	VERTICAL
4	5860.00	50.42	54.00	-3.58	42.11	6.97	34.52	33.18	202	308	Average	VERTICAL
5	5860.42	63.18	74.00	-10.82	54.87	6.97	34.52	33.18	202	308	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5145.13	64.22	74.00	-9.78	57.32	6.21	33.74	33.05	196	35	Peak	VERTICAL
2	5148.01	51.20	54.00	-2.80	44.30	6.21	33.74	33.05	196	35	Average	VERTICAL
3	5175.58	106.65			99.67	6.24	33.79	33.05	196	35	Peak	VERTICAL
4	5206.35	95.02			87.98	6.27	33.82	33.05	196	35	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	5141.54	65.48	74.00	-8.52	58.62	6.17	33.74	33.05	210	318	Peak	VERTICAL
2	5148.91	51.41	54.00	-2.59	44.51	6.21	33.74	33.05	210	318	Average	VERTICAL
3	5244.42	115.69			108.54	6.30	33.90	33.05	210	318	Peak	VERTICAL
4	5247.31	106.01			98.83	6.34	33.90	33.06	210	318	Average	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5711.41	50.65	54.00	-3.35	42.53	6.83	34.42	33.13	196	57	Average	VERTICAL
2	5713.65	67.28	74.00	-6.72	59.16	6.83	34.42	33.13	196	57	Peak	VERTICAL
3	5718.14	69.07	78.20	-9.13	60.94	6.83	34.43	33.13	196	57	Peak	VERTICAL
4	5770.71	107.48			99.28	6.88	34.47	33.15	196	57	Peak	VERTICAL
5	5771.35	97.01			88.81	6.88	34.47	33.15	196	57	Average	VERTICAL

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

Channel 159

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.37	64.77	74.00	-9.23	56.66	6.81	34.42	33.12	220	305	Peak	VERTICAL
2	5714.55	49.41	54.00	-4.59	41.29	6.83	34.42	33.13	220	305	Average	VERTICAL
3	5720.96	64.96	78.20	-13.24	56.83	6.83	34.43	33.13	220	305	Peak	VERTICAL
4	5806.86	111.85			103.60	6.92	34.49	33.16	220	305	Peak	VERTICAL
5	5807.50	100.85			92.60	6.92	34.49	33.16	220	305	Average	VERTICAL
6	5851.09	68.49	78.20	-9.71	60.20	6.95	34.51	33.17	220	305	Peak	VERTICAL
7	5860.39	52.00	54.00	-2.00	43.69	6.97	34.52	33.18	220	305	Average	VERTICAL
8	5860.39	66.33	74.00	-7.67	58.02	6.97	34.52	33.18	220	305	Peak	VERTICAL

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

Temperature	24℃	Humidity	61%
Test Engineer	Kenneth Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42, 155 / Chain 1 + Chain 2
Test Date	Aug. 27, 2015	Test Function	Beamforming function
Test Mode	For Radio: R1 / Mode 8 (Dipole antenna)		

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	5133.88	50.56	54.00	-3.44	43.73	6.17	33.71	33.05	197	37	Average	VERTICAL
2	5144.30	64.89	74.00	-9.11	57.99	6.21	33.74	33.05	197	37	Peak	VERTICAL
3	5222.02	91.58			84.48	6.30	33.85	33.05	197	37	Average	VERTICAL
4	5223.62	101.78			94.68	6.30	33.85	33.05	197	37	Peak	VERTICAL
5	5390.29	46.88	54.00	-7.12	39.33	6.50	34.11	33.06	197	37	Average	VERTICAL
6	5391.09	58.57	74.00	-15.43	51.02	6.50	34.11	33.06	197	37	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	5700.48	68.48	74.00	-5.52	60.38	6.81	34.41	33.12	226	308	Peak	VERTICAL
2	5711.70	52.07	54.00	-1.93	43.95	6.83	34.42	33.13	226	308	Average	VERTICAL
3	5716.51	68.65	78.20	-9.55	60.53	6.83	34.42	33.13	226	308	Peak	VERTICAL
4	5746.15	91.69			83.53	6.86	34.44	33.14	226	308	Average	VERTICAL
5	5746.96	107.55			99.39	6.86	34.44	33.14	226	308	Peak	VERTICAL
6	5852.40	65.34	78.20	-12.86	57.05	6.95	34.51	33.17	226	308	Peak	VERTICAL
7	5860.00	49.61	54.00	-4.39	41.30	6.97	34.52	33.18	226	308	Average	VERTICAL
8	5862.34	66.01	74.00	-7.99	57.70	6.97	34.52	33.18	226	308	Peak	VERTICAL

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

Note:

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

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

4.8. Frequency Stability Measurement

4.8.1. Limit

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

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

4.8.2. Measuring Instruments and Setting

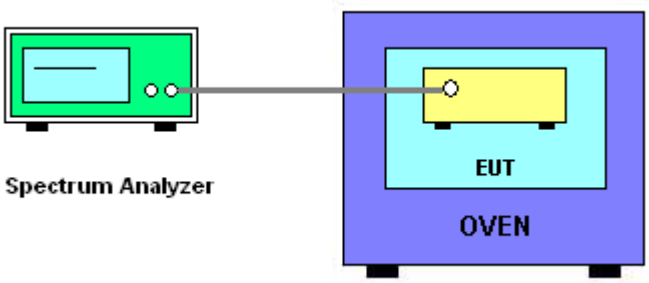
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

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

4.8.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).
6. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
7. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
8. Extreme temperature is 0°C~70°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

For Radio: R0

Temperature	25°C	Humidity	60%
Test Engineer	Eddie Weng / Nick Peng	Test Date	Aug. 22, 2015~Sep. 08, 2015

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5200.0188	5200.0182	5200.0177	5200.0169
110.00	5200.0187	5200.0181	5200.0175	5200.0165
93.50	5200.0186	5200.0180	5200.0174	5200.0164
Max. Deviation (MHz)	0.0188	0.0182	0.0177	0.0169
Max. Deviation (ppm)	3.62	3.50	3.40	3.25
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0538	5200.0525	5200.0521	5200.0517
10	5200.0346	5200.0341	5200.0339	5200.0337
20	5200.0187	5200.0181	5200.0175	5200.0165
30	5200.0065	5200.0063	5200.0061	5200.0057
40	5199.9865	5199.9864	5199.9862	5199.9860
50	5199.9705	5199.9702	5199.9701	5199.9699
60	5199.9807	5199.9821	5199.9835	5199.9845
70	5199.9874	5199.9878	5199.9889	5199.9895
Max. Deviation (MHz)	0.0538	0.0525	0.0521	0.0517
Max. Deviation (ppm)	10.35	10.10	10.02	9.93
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5300.0192	5300.0185	5300.0177	5300.0170
110.00	5300.0190	5300.0184	5300.0176	5300.0169
93.50	5300.0189	5300.0182	5300.0174	5300.0168
Max. Deviation (MHz)	0.0192	0.0185	0.0177	0.0170
Max. Deviation (ppm)	3.62	3.49	3.34	3.21
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5300.0541	5300.0536	5300.0531	5300.0528
10	5300.0377	5300.0372	5300.0369	5300.0362
20	5300.0190	5300.0184	5300.0176	5300.0169
30	5300.0054	5300.0051	5300.0047	5300.0045
40	5299.9878	5299.9877	5299.9875	5299.9874
50	5299.9712	5299.9711	5299.9708	5299.9705
60	5299.9807	5299.9815	5299.9824	5299.9827
70	5299.9856	5299.9861	5299.9877	5299.9882
Max. Deviation (MHz)	0.0541	0.0536	0.0531	0.0528
Max. Deviation (ppm)	10.21	10.11	10.02	9.96
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5580.0172	5580.0169	5580.0165	5580.0164
110.00	5580.0171	5580.0168	5580.0164	5580.0162
93.50	5580.0170	5580.0167	5580.0162	5580.0161
Max. Deviation (MHz)	0.0172	0.0169	0.0165	0.0164
Max. Deviation (ppm)	3.08	3.03	2.96	2.94
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5580.0658	5580.0625	5580.0609	5580.0601
10	5580.0442	5580.0421	5580.0418	5580.0402
20	5580.0171	5580.0168	5580.0164	5580.0162
30	5580.0065	5580.0061	5580.0057	5580.0050
40	5579.9822	5579.9818	5579.9811	5579.9805
50	5579.9714	5579.9711	5579.9702	5579.9692
60	5579.9728	5579.9731	5579.9732	5579.9734
70	5579.9740	5579.9742	5579.9744	5579.9745
Max. Deviation (MHz)	0.0658	0.0625	0.0609	0.0601
Max. Deviation (ppm)	11.79	11.20	10.91	10.77
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5785.0176	5785.0172	5785.0166	5785.0163
110.00	5785.0174	5785.0170	5785.0164	5785.0161
93.50	5785.0173	5785.0168	5785.0163	5785.0160
Max. Deviation (MHz)	0.0176	0.0172	0.0166	0.0163
Max. Deviation (ppm)	3.04	2.97	2.87	2.82
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0651	5785.0622	5785.0608	5785.0599
10	5785.0466	5785.0442	5785.0421	5785.0401
20	5785.0174	5785.0170	5785.0164	5785.0161
30	5785.0061	5785.0058	5785.0052	5785.0048
40	5784.9811	5784.9804	5784.9799	5784.9792
50	5784.9722	5784.9716	5784.9701	5784.9698
60	5784.9728	5784.9729	5784.9731	5784.9732
70	5784.9736	5784.9738	5784.9741	5784.9742
Max. Deviation (MHz)	0.0651	0.0622	0.0608	0.0599
Max. Deviation (ppm)	11.26	10.75	10.51	10.36
Result	Complies			

Mode: 40 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5190.0187	5190.0182	5190.0178	5190.0172
110.00	5190.0185	5190.0180	5190.0176	5190.0170
93.50	5190.0184	5190.0179	5190.0175	5190.0169
Max. Deviation (MHz)	0.0187	0.0182	0.0178	0.0172
Max. Deviation (ppm)	3.60	3.51	3.43	3.31
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0544	5190.0541	5190.0537	5190.0532
10	5190.0387	5190.0385	5190.0381	5190.0377
20	5190.0185	5190.0180	5190.0176	5190.0170
30	5190.0074	5190.0071	5190.0069	5190.0067
40	5189.9874	5189.9869	5189.9867	5189.9866
50	5189.9732	5189.9731	5189.9728	5189.9725
60	5189.9804	5189.9811	5189.9822	5189.9828
70	5189.9879	5189.9883	5189.9895	5189.9896
Max. Deviation (MHz)	0.0544	0.0541	0.0537	0.0532
Max. Deviation (ppm)	10.48	10.42	10.35	10.25
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5310.0190	5310.0184	5310.0178	5310.0172
110.00	5310.0188	5310.0181	5310.0176	5310.0170
93.50	5310.0187	5310.0180	5310.0175	5310.0169
Max. Deviation (MHz)	0.0190	0.0184	0.0178	0.0172
Max. Deviation (ppm)	3.58	3.47	3.35	3.24
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5310.0528	5310.0524	5310.0521	5310.0518
10	5310.0365	5310.0364	5310.0361	5310.0358
20	5310.0188	5310.0181	5310.0176	5310.0170
30	5310.0065	5310.0061	5310.0058	5310.0054
40	5309.9865	5309.9864	5309.9861	5309.9857
50	5309.9711	5309.9709	5309.9708	5309.9705
60	5309.9804	5309.9808	5309.9815	5309.9819
70	5309.9875	5309.9877	5309.9886	5309.9891
Max. Deviation (MHz)	0.0528	0.0524	0.0521	0.0518
Max. Deviation (ppm)	9.94	9.87	9.81	9.76
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5550.0175	5550.0172	5550.0170	5550.0165
110.00	5550.0173	5550.0170	5550.0168	5550.0163
93.50	5550.0172	5550.0169	5550.0166	5550.0161
Max. Deviation (MHz)	0.0175	0.0172	0.0170	0.0165
Max. Deviation (ppm)	3.15	3.10	3.06	2.97
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5550.0661	5550.0659	5550.0648	5550.0622
10	5550.0478	5550.0471	5550.0468	5550.0456
20	5550.0173	5550.0170	5550.0168	5550.0163
30	5550.0045	5550.0041	5550.0035	5550.0024
40	5549.9836	5549.9831	5549.9826	5549.9821
50	5549.9708	5549.9706	5549.9700	5549.9696
60	5549.9717	5549.9718	5549.9719	5549.9721
70	5549.9731	5549.9733	5549.9735	5549.9736
Max. Deviation (MHz)	0.0661	0.0659	0.0648	0.0622
Max. Deviation (ppm)	11.91	11.87	11.68	11.21
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5755.0179	5755.0176	5755.0173	5755.0170
110.00	5755.0177	5755.0175	5755.0172	5755.0169
93.50	5755.0175	5755.0172	5755.0170	5755.0168
Max. Deviation (MHz)	0.0179	0.0176	0.0173	0.0170
Max. Deviation (ppm)	3.11	3.06	3.01	2.95
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0658	5755.0651	5755.0641	5755.0632
10	5755.0452	5755.0446	5755.0441	5755.0429
20	5755.0177	5755.0175	5755.0172	5755.0169
30	5755.0033	5755.0018	5755.0008	5755.0002
40	5754.9969	5754.9965	5754.9961	5754.9953
50	5754.9832	5754.9824	5754.9811	5754.9806
60	5754.9844	5754.9845	5754.9847	5754.9848
70	5754.9856	5754.9857	5754.9859	5754.9861
Max. Deviation (MHz)	0.0658	0.0651	0.0641	0.0632
Max. Deviation (ppm)	11.43	11.31	11.14	10.98
Result	Complies			

Mode: 80 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5210.0181	5210.0176	5210.0171	5210.0164
110.00	5210.0179	5210.0174	5210.0169	5210.0162
93.50	5210.0177	5210.0173	5210.0168	5210.0160
Max. Deviation (MHz)	0.0181	0.0176	0.0171	0.0164
Max. Deviation (ppm)	3.47	3.38	3.28	3.15
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5210.0545	5210.0544	5210.0538	5210.0534
10	5210.0365	5210.0361	5210.0357	5210.0352
20	5210.0179	5210.0174	5210.0169	5210.0162
30	5210.0088	5210.0086	5210.0084	5210.0081
40	5209.9865	5209.9864	5209.9863	5209.9861
50	5209.9732	5209.9731	5209.9728	5209.9726
60	5209.9807	5209.9811	5209.9825	5209.9829
70	5209.9877	5209.9886	5209.9888	5209.9891
Max. Deviation (MHz)	0.0545	0.0544	0.0538	0.0534
Max. Deviation (ppm)	10.46	10.44	10.33	10.25
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5290.0182	5290.0176	5290.0172	5290.0169
110.00	5290.0181	5290.0174	5290.0171	5290.0167
93.50	5290.0179	5290.0172	5290.0170	5290.0166
Max. Deviation (MHz)	0.0182	0.0176	0.0172	0.0169
Max. Deviation (ppm)	3.44	3.33	3.25	3.19
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5290.0546	5290.0541	5290.0535	5290.0531
10	5290.0355	5290.0351	5290.0347	5290.0342
20	5290.0181	5290.0174	5290.0171	5290.0167
30	5290.0075	5290.0073	5290.0071	5290.0069
40	5289.9854	5289.9852	5289.9850	5289.9847
50	5289.9711	5289.9708	5289.9706	5289.9704
60	5289.9809	5289.9817	5289.9825	5289.9829
70	5289.9886	5289.9891	5289.9895	5289.9899
Max. Deviation (MHz)	0.0546	0.0541	0.0535	0.0531
Max. Deviation (ppm)	10.32	10.23	10.11	10.04
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5530.0177	5530.0174	5530.0171	5530.0166
110.00	5530.0175	5530.0172	5530.0169	5530.0165
93.50	5530.0174	5530.0171	5530.0168	5530.0163
Max. Deviation (MHz)	0.0177	0.0174	0.0171	0.0166
Max. Deviation (ppm)	3.20	3.15	3.09	3.00
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5530.0671	5530.0664	5530.0655	5530.0642
10	5530.0491	5530.0488	5530.0478	5530.0466
20	5530.0175	5530.0172	5530.0169	5530.0165
30	5530.0065	5530.0061	5530.0057	5530.0051
40	5529.9845	5529.9841	5529.9837	5529.9831
50	5529.9709	5529.9704	5529.9701	5529.9695
60	5529.9721	5529.9722	5529.9724	5529.9726
70	5529.9736	5529.9738	5529.9739	5529.9740
Max. Deviation (MHz)	0.0671	0.0664	0.0655	0.0642
Max. Deviation (ppm)	12.13	12.01	11.84	11.61
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5775.0178	5775.0176	5775.0173	5775.0170
110.00	5775.0176	5775.0174	5775.0171	5775.0167
93.50	5775.0174	5775.0172	5775.0169	5775.0166
Max. Deviation (MHz)	0.0178	0.0176	0.0173	0.0170
Max. Deviation (ppm)	3.08	3.05	3.00	2.94
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0666	5775.0652	5775.0648	5775.0639
10	5775.0421	5775.0411	5775.0407	5775.0398
20	5775.0176	5775.0174	5775.0171	5775.0167
30	5775.0035	5775.0032	5775.0024	5775.0021
40	5774.9865	5774.9862	5774.9859	5774.9852
50	5774.9713	5774.9711	5774.9704	5774.9701
60	5774.9725	5774.9726	5774.9728	5774.9730
70	5774.9739	5774.9741	5774.9742	5774.9744
Max. Deviation (MHz)	0.0666	0.0652	0.0648	0.0639
Max. Deviation (ppm)	11.53	11.29	11.22	11.06
Result	Complies			

For Radio: R1

Temperature	25°C	Humidity	60%
Test Engineer	Eddie Weng	Test Date	Aug. 22, 2015~Sep. 08, 2015

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5200.0111	5200.0112	5200.0116	5200.0118
110.00	5200.0109	5200.0110	5200.0114	5200.0116
93.50	5200.0107	5200.0108	5200.0112	5200.0115
Max. Deviation (MHz)	0.0111	0.0112	0.0116	0.0118
Max. Deviation (ppm)	2.13	2.15	2.23	2.27
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0595	5200.0589	5200.0582	5200.0577
10	5200.0468	5200.0463	5200.0459	5200.0451
20	5200.0109	5200.0110	5200.0114	5200.0116
30	5200.0052	5200.0048	5200.0042	5200.0037
40	5199.9865	5199.9861	5199.9857	5199.9851
50	5199.9592	5199.9586	5199.9565	5199.9557
60	5199.9611	5199.9614	5199.9616	5199.9622
70	5199.9632	5199.9635	5199.9643	5199.9645
Max. Deviation (MHz)	0.0595	0.0589	0.0582	0.0577
Max. Deviation (ppm)	11.44	11.33	11.19	11.10
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5785.0116	5785.0114	5785.0113	5785.0112
110.00	5785.0114	5785.0113	5785.0112	5785.0110
93.50	5785.0113	5785.0112	5785.0111	5785.0099
Max. Deviation (MHz)	0.0116	0.0114	0.0113	0.0112
Max. Deviation (ppm)	2.01	1.97	1.95	1.94
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0612	5785.0613	5785.0615	5785.0618
10	5785.0456	5785.0458	5785.0461	5785.0465
20	5785.0114	5785.0113	5785.0112	5785.0100
30	5785.0065	5785.0061	5785.0059	5785.0054
40	5784.9765	5784.9762	5784.9759	5784.9754
50	5784.9505	5784.9501	5784.9495	5784.9492
60	5784.9514	5784.9515	5784.9516	5784.9517
70	5784.9522	5784.9523	5784.9525	5784.9532
Max. Deviation (MHz)	0.0612	0.0613	0.0615	0.0618
Max. Deviation (ppm)	10.58	10.60	10.63	10.68
Result	Complies			

Mode: 40 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5190.0113	5190.0114	5190.0116	5190.0118
110.00	5190.0111	5190.0113	5190.0114	5190.0116
93.50	5190.0110	5190.0111	5190.0112	5190.0115
Max. Deviation (MHz)	0.0113	0.0114	0.0116	0.0118
Max. Deviation (ppm)	2.18	2.20	2.24	2.27
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0588	5190.0586	5190.0581	5190.0575
10	5190.0442	5190.0438	5190.0434	5190.0432
20	5190.0111	5190.0113	5190.0114	5190.0116
30	5190.0062	5190.0055	5190.0043	5190.0031
40	5189.9878	5189.9871	5189.9861	5189.9852
50	5189.9566	5189.9557	5189.9542	5189.9535
60	5189.9621	5189.9624	5189.9627	5189.9630
70	5189.9646	5189.9647	5189.9649	5189.9653
Max. Deviation (MHz)	0.0588	0.0586	0.0581	0.0575
Max. Deviation (ppm)	11.33	11.29	11.19	11.08
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5755.0117	5755.0116	5755.0115	5755.0114
110.00	5755.0116	5755.0115	5755.0114	5755.0113
93.50	5755.0114	5755.0113	5755.0112	5755.0111
Max. Deviation (MHz)	0.0117	0.0116	0.0115	0.0114
Max. Deviation (ppm)	2.03	2.02	2.00	1.98
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0641	5755.0645	5755.0648	5755.0652
10	5755.0469	5755.0471	5755.0473	5755.0475
20	5755.0116	5755.0115	5755.0114	5755.0113
30	5755.0051	5755.0048	5755.0045	5755.0042
40	5754.9771	5754.9769	5754.9762	5754.9758
50	5754.9516	5754.9514	5754.9512	5754.9507
60	5754.9524	5754.9526	5754.9528	5754.9531
70	5754.9542	5754.9544	5754.9548	5754.9550
Max. Deviation (MHz)	0.0641	0.0645	0.0648	0.0652
Max. Deviation (ppm)	11.14	11.21	11.26	11.33
Result	Complies			

Mode: 80 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5210.0117	5210.0116	5210.0115	5210.0114
110.00	5210.0116	5210.0115	5210.0114	5210.0113
93.50	5210.0115	5210.0114	5210.0113	5210.0112
Max. Deviation (MHz)	0.0117	0.0116	0.0115	0.0114
Max. Deviation (ppm)	2.25	2.23	2.21	2.19
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5210.0577	5210.0572	5210.0564	5210.0561
10	5210.0465	5210.0461	5210.0458	5210.0452
20	5210.0116	5210.0115	5210.0114	5210.0113
30	5210.0056	5210.0051	5210.0038	5210.0032
40	5209.9865	5209.9856	5209.9845	5209.9832
50	5209.9578	5209.9571	5209.9555	5209.9543
60	5209.9616	5209.9618	5209.9624	5209.9626
70	5209.9654	5209.9657	5209.9662	5209.9663
Max. Deviation (MHz)	0.0577	0.0572	0.0564	0.0561
Max. Deviation (ppm)	11.07	10.98	10.83	10.77
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5775.0119	5775.0117	5775.0115	5775.0114
110.00	5775.0118	5775.0116	5775.0114	5775.0112
93.50	5775.0116	5775.0115	5775.0113	5775.0111
Max. Deviation (MHz)	0.0119	0.0117	0.0115	0.0114
Max. Deviation (ppm)	2.06	2.03	1.99	1.97
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0621	5775.0625	5775.0628	5775.0630
10	5775.0422	5775.0425	5775.0428	5775.0431
20	5775.0118	5775.0116	5775.0114	5775.0112
30	5775.0048	5775.0045	5775.0042	5775.0037
40	5774.9769	5774.9764	5774.9761	5774.9758
50	5774.9508	5774.9506	5774.9504	5774.9501
60	5774.9515	5774.9517	5774.9518	5774.9521
70	5774.9532	5774.9534	5774.9536	5774.9538
Max. Deviation (MHz)	0.0621	0.0625	0.0628	0.0630
Max. Deviation (ppm)	10.75	10.82	10.87	10.91
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	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 02, 2014	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 02, 2014	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	Dec. 03, 2014	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	May 06, 2015	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	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	Nov. 25, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	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. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015*	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 03, 2014	Conducted (TH01-CB)

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

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

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

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.4 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%