

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	10640.03	43.65	54.00	-10.35	31.36	8.66	38.57	34.94	Average	141	168	HORIZONTAL
2	10640.43	55.98	74.00	-18.02	43.69	8.66	38.57	34.94	Peak	141	168	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	10639.75	41.25	54.00	-12.75	28.96	8.66	38.57	34.94	Average	146	348	VERTICAL
2	10639.89	54.29	74.00	-19.71	42.00	8.66	38.57	34.94	Peak	146	348	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10999.92	43.29	54.00	-10.71	30.65	8.93	38.50	34.79	Average	110	243 HORIZONTAL
2	11000.58	55.57	74.00	-18.43	42.93	8.93	38.50	34.79	Peak	110	243 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10999.24	54.61	74.00	-19.39	41.97	8.93	38.50	34.79	Peak	122	84 VERTICAL
2	10999.78	41.64	54.00	-12.36	29.00	8.93	38.50	34.79	Average	122	84 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11159.39	42.77	54.00	-11.23	29.82	9.04	38.70	34.79	Average	135	237
2	11159.75	56.12	74.00	-17.88	43.17	9.04	38.70	34.79	Peak	135	237

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	11159.17	54.89	74.00	-19.11	41.94	9.04	38.70	34.79	Peak	126	90	VERTICAL
2	11160.11	41.90	54.00	-12.10	28.95	9.04	38.70	34.79	Average	126	90	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11399.77	55.68	74.00	-18.32	42.31	9.19	38.98	34.80	Peak	149	44 HORIZONTAL
2	11401.00	42.64	54.00	-11.36	29.27	9.19	38.98	34.80	Average	149	44 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11399.73	41.04	54.00	-12.96	27.67	9.19	38.98	34.80	Average	152	91 VERTICAL
2	11400.46	55.11	74.00	-18.89	41.74	9.19	38.98	34.80	Peak	152	91 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15779.91	44.41	54.00	-9.59	31.02	10.80	37.91	35.32	Average	145	324 HORIZONTAL
2	15780.97	57.13	74.00	-16.87	43.74	10.80	37.91	35.32	Peak	145	324 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15779.85	44.31	54.00	-9.69	30.92	10.80	37.91	35.32	Average	140	126 VERTICAL
2	15779.86	56.92	74.00	-17.08	43.53	10.80	37.91	35.32	Peak	140	126 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10599.13	44.78	54.00	-9.22	32.52	8.64	38.58	34.96	149	236	HORIZONTAL
2	10599.91	55.86	74.00	-18.14	43.60	8.64	38.58	34.96	149	236	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.36	41.71	54.00	-12.29	29.45	8.64	38.58	34.96	149	189	VERTICAL
2	10600.65	54.10	74.00	-19.90	41.84	8.64	38.58	34.96	149	189	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10639.03	56.31	74.00	-17.69	44.02	8.66	38.57	34.94	Peak	153	236
2	10639.73	44.64	54.00	-9.36	32.35	8.66	38.57	34.94	Average	153	236

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10640.23	42.23	54.00	-11.77	29.94	8.66	38.57	34.94	Average	156	112
2	10640.85	53.41	74.00	-20.59	41.12	8.66	38.57	34.94	Peak	156	112

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10999.99	42.98	54.00	-11.02	30.34	8.93	38.50	34.79	149	297	HORIZONTAL
2	11000.17	53.77	74.00	-20.23	41.13	8.93	38.50	34.79	149	297	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10999.19	40.88	54.00	-13.12	28.24	8.93	38.50	34.79	153	252	VERTICAL
2	10999.57	53.83	74.00	-20.17	41.19	8.93	38.50	34.79	153	252	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11159.09	54.35	74.00	-19.65	41.40	9.04	38.70	34.79	Peak	164	187 HORIZONTAL
2	11159.32	42.03	54.00	-11.97	29.08	9.04	38.70	34.79	Average	164	187 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11159.42	53.67	74.00	-20.33	40.72	9.04	38.70	34.79	Peak	146	178 VERTICAL
2	11159.87	41.43	54.00	-12.57	28.48	9.04	38.70	34.79	Average	146	178 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11400.40	54.73	74.00	-19.27	41.36	9.19	38.98	34.80	Peak	150	110 HORIZONTAL
2	11400.78	42.88	54.00	-11.12	29.51	9.19	38.98	34.80	Average	150	110 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11400.69	54.64	74.00	-19.36	41.27	9.19	38.98	34.80	Peak	143	84 VERTICAL
2	11400.94	41.57	54.00	-12.43	28.20	9.19	38.98	34.80	Average	143	84 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15809.10	57.00	74.00	-17.00	43.66	10.80	37.87	35.33	Peak	143	155 HORIZONTAL
2	15810.03	44.17	54.00	-9.83	30.83	10.80	37.87	35.33	Average	143	155 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15809.28	57.12	74.00	-16.88	43.78	10.80	37.87	35.33	Peak	141	102 VERTICAL
2	15810.52	44.15	54.00	-9.85	30.81	10.80	37.87	35.33	Average	141	102 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10619.60	42.03	54.00	-11.97	29.75	8.65	38.58	34.95	Average	140	193 HORIZONTAL
2	10619.88	55.69	74.00	-18.31	43.41	8.65	38.58	34.95	Peak	140	193 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10620.20	40.90	54.00	-13.10	28.62	8.65	38.58	34.95	Average	144	234 VERTICAL
2	10620.41	53.30	74.00	-20.70	41.02	8.65	38.58	34.95	Peak	144	234 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11019.03	40.42	54.00	-13.58	27.75	8.94	38.52	34.79	Average	138	321 HORIZONTAL
2	11019.30	53.37	74.00	-20.63	40.70	8.94	38.52	34.79	Peak	138	321 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11019.48	53.31	74.00	-20.69	40.64	8.94	38.52	34.79	Peak	133	166 VERTICAL
2	11020.84	40.57	54.00	-13.43	27.90	8.94	38.52	34.79	Average	133	166 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11099.59	42.63	54.00	-11.37	29.81	8.99	38.62	34.79	Average	156	360	HORIZONTAL
2	11099.71	54.10	74.00	-19.90	41.28	8.99	38.62	34.79	Peak	156	360	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11099.43	55.23	74.00	-18.77	42.41	8.99	38.62	34.79	Peak	152	157 VERTICAL
2	11099.72	41.53	54.00	-12.47	28.71	8.99	38.62	34.79	Average	152	157 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11340.30	54.80	74.00	-19.20	41.56	9.14	38.90	34.80	Peak	142	156 HORIZONTAL
2	11340.94	41.46	54.00	-12.54	28.22	9.14	38.90	34.80	Average	142	156 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11339.58	54.31	74.00	-19.69	41.07	9.14	38.90	34.80	Peak	149	179 VERTICAL
2	11340.63	41.47	54.00	-12.53	28.23	9.14	38.90	34.80	Average	149	179 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.22	57.22	74.00	-16.78	43.58	10.78	38.11	35.25	Peak	148	174	HORIZONTAL
2	15630.82	44.71	54.00	-9.29	31.07	10.78	38.11	35.25	Average	148	174	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.50	44.66	54.00	-9.34	31.02	10.78	38.11	35.25	Average	156	164	VERTICAL
2	15630.38	57.61	74.00	-16.39	43.97	10.78	38.11	35.25	Peak	156	164	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
			Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11059.56	40.94	54.00	-13.06	28.18	8.97	38.58	34.79	Average	140	162 HORIZONTAL
2	11060.09	54.32	74.00	-19.68	41.56	8.97	38.58	34.79	Peak	140	162 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	Line	Line	Limit	Level	Loss	Factor	Factor	Remark			Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11059.24	53.52	74.00	-20.48	40.76	8.97	38.58	34.79	Peak	134	219 VERTICAL
2	11060.88	40.98	54.00	-13.02	28.22	8.97	38.58	34.79	Average	134	219 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11220.69	53.38	74.00	-20.62	40.34	9.07	38.76	34.79	Peak	147	126	HORIZONTAL
2	11220.94	41.85	54.00	-12.15	28.81	9.07	38.76	34.79	Average	147	126	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11219.58	53.64	74.00	-20.36	40.60	9.07	38.76	34.79	Peak	152	180	VERTICAL
2	11220.96	40.75	54.00	-13.25	27.71	9.07	38.76	34.79	Average	152	180	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11439.07	44.11	54.00	-9.89	30.68	9.21	39.02	34.80	Average	147	264 HORIZONTAL
2	11440.11	56.61	74.00	-17.39	43.18	9.21	39.02	34.80	Peak	147	264 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11439.74	56.26	74.00	-17.74	42.83	9.21	39.02	34.80	Peak	147	76 VERTICAL
2	11440.01	42.86	54.00	-11.14	29.43	9.21	39.02	34.80	Average	147	76 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11439.15	44.08	54.00	-9.92	30.65	9.21	39.02	34.80	Average	143	136 HORIZONTAL
2	11440.64	55.11	74.00	-18.89	41.68	9.21	39.02	34.80	Peak	143	136 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11439.19	54.92	74.00	-19.08	41.49	9.21	39.02	34.80	Peak	126	88 VERTICAL
2	11440.13	42.28	54.00	-11.72	28.85	9.21	39.02	34.80	Average	126	88 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11420.76	55.49	74.00	-18.51	42.09	9.20	39.00	34.80	Peak	141	158	HORIZONTAL
2	11420.89	44.94	54.00	-9.06	31.54	9.20	39.00	34.80	Average	141	158	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11419.04	42.30	54.00	-11.70	28.90	9.20	39.00	34.80	Average	144	130	VERTICAL
2	11420.28	55.22	74.00	-18.78	41.82	9.20	39.00	34.80	Peak	144	130	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11380.71	41.43	54.00	-12.57	28.09	9.18	38.96	34.80	Average	160	226	HORIZONTAL
2	11380.73	54.06	74.00	-19.94	40.72	9.18	38.96	34.80	Peak	160	226	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11379.53	41.58	54.00	-12.42	28.24	9.18	38.96	34.80	Average	155	177	VERTICAL
2	11380.90	54.90	74.00	-19.10	41.56	9.18	38.96	34.80	Peak	155	177	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15775.06	45.59	54.00	-8.41	31.89	9.92	38.60	34.82	245	165	Average	HORIZONTAL
2	15777.24	57.79	74.00	-16.21	44.09	9.92	38.60	34.82	245	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15778.04	45.61	54.00	-8.39	31.93	9.92	38.60	34.84	301	143	Average	VERTICAL
2	15784.84	58.11	74.00	-15.89	44.39	9.93	38.63	34.84	301	143	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10592.76	59.06	74.00	-14.94	47.41	7.82	38.78	34.95	17	163	Peak	HORIZONTAL
2	10593.84	46.41	54.00	-7.59	34.76	7.82	38.78	34.95	17	163	Average	HORIZONTAL
3	15895.28	58.10	74.00	-15.90	44.23	9.99	38.81	34.93	234	107	Peak	HORIZONTAL
4	15907.48	46.44	54.00	-7.56	32.55	10.00	38.84	34.95	234	107	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10597.72	44.65	54.00	-9.35	33.00	7.82	38.78	34.95	28	142	Average	VERTICAL
2	10598.76	55.83	74.00	-18.17	44.18	7.82	38.78	34.95	28	142	Peak	VERTICAL
3	15900.24	58.31	74.00	-15.69	44.44	9.99	38.81	34.93	329	150	Peak	VERTICAL
4	15909.36	46.28	54.00	-7.72	32.39	10.00	38.84	34.95	329	150	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10633.92	55.44	74.00	-18.56	43.77	7.81	38.77	34.91	12	167 Peak	HORIZONTAL
2	10637.84	43.38	54.00	-10.62	31.71	7.81	38.77	34.91	12	167 Average	HORIZONTAL
3	15937.26	45.84	54.00	-8.16	31.88	10.03	38.91	34.98	265	170 Average	HORIZONTAL
4	15940.24	60.43	74.00	-13.57	46.47	10.03	38.91	34.98	265	170 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10637.72	43.12	54.00	-10.88	31.45	7.81	38.77	34.91	348	142 Average	VERTICAL
2	10643.68	54.93	74.00	-19.07	43.26	7.81	38.77	34.91	348	142 Peak	VERTICAL
3	15936.14	46.13	54.00	-7.87	32.17	10.03	38.91	34.98	246	164 Average	VERTICAL
4	15939.18	58.04	74.00	-15.96	44.08	10.03	38.91	34.98	246	164 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11005.80	53.03	74.00	-20.97	41.30	7.69	38.70	34.66	298	197 Peak	HORIZONTAL
2	11005.88	42.16	54.00	-11.84	30.43	7.69	38.70	34.66	298	197 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11001.84	44.19	54.00	-9.81	32.45	7.70	38.70	34.66	343	168 Average	VERTICAL
2	11002.32	56.30	74.00	-17.70	44.56	7.70	38.70	34.66	343	168 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11153.60	46.88	54.00	-7.12	35.24	7.59	38.70	34.65	310	176 Average	HORIZONTAL
2	11154.60	59.85	74.00	-14.15	48.21	7.59	38.70	34.65	310	176 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11164.80	62.18	74.00	-11.82	50.55	7.58	38.70	34.65	341	168 Peak	VERTICAL
2	11166.00	49.77	54.00	-4.23	38.14	7.58	38.70	34.65	341	168 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11397.90	41.46	54.00	-12.54	29.99	7.40	38.70	34.63	304	157	Average	HORIZONTAL
2	11423.40	52.70	74.00	-21.30	41.24	7.39	38.70	34.63	304	157	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11405.70	40.78	54.00	-13.22	29.31	7.40	38.70	34.63	93	215	Average	VERTICAL
2	11412.90	51.93	74.00	-22.07	40.47	7.39	38.70	34.63	93	215	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15735.04	58.09	74.00	-15.91	44.47	9.89	38.53	34.80	198	169	Peak	HORIZONTAL
2	15740.06	45.39	54.00	-8.61	31.77	9.89	38.53	34.80	198	169	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15738.96	57.95	74.00	-16.05	44.33	9.89	38.53	34.80	137	144	Peak	VERTICAL
2	15739.28	45.25	54.00	-8.75	31.63	9.89	38.53	34.80	137	144	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10602.68	56.88	74.00	-17.12	45.21	7.82	38.78	34.93	341	167 Peak	HORIZONTAL
2	10603.84	44.46	54.00	-9.54	32.79	7.82	38.78	34.93	341	167 Average	HORIZONTAL
3	15896.08	46.33	54.00	-7.67	32.46	9.99	38.81	34.93	202	145 Average	HORIZONTAL
4	15903.76	59.38	74.00	-14.62	45.47	10.00	38.84	34.93	202	145 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10600.60	56.57	74.00	-17.43	44.92	7.82	38.78	34.95	324	191 Peak	VERTICAL
2	10602.04	42.06	54.00	-11.94	30.39	7.82	38.78	34.93	324	191 Average	VERTICAL
3	15902.92	46.19	54.00	-7.81	32.28	10.00	38.84	34.93	288	150 Average	VERTICAL
4	15903.00	59.02	74.00	-14.98	45.11	10.00	38.84	34.93	288	150 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10638.08	43.26	54.00	-10.74	31.59	7.81	38.77	34.91	11	181	Average	HORIZONTAL
2	10641.12	54.95	74.00	-19.05	43.28	7.81	38.77	34.91	11	181	Peak	HORIZONTAL
3	15958.24	46.06	54.00	-7.94	32.08	10.04	38.94	35.00	312	189	Average	HORIZONTAL
4	15968.68	59.05	74.00	-14.95	45.03	10.05	38.97	35.00	312	189	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10637.64	53.41	74.00	-20.59	41.74	7.81	38.77	34.91	160	230	Peak	VERTICAL
2	10649.64	41.19	54.00	-12.81	29.53	7.80	38.77	34.91	160	230	Average	VERTICAL
3	15964.88	58.55	74.00	-15.45	44.57	10.04	38.94	35.00	262	101	Peak	VERTICAL
4	15967.80	46.07	54.00	-7.93	32.09	10.04	38.94	35.00	262	101	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10990.56	43.03	54.00	-10.97	31.29	7.70	38.70	34.66	164	165	Average	HORIZONTAL
2	10991.60	54.21	74.00	-19.79	42.47	7.70	38.70	34.66	164	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11000.20	42.01	54.00	-11.99	30.27	7.70	38.70	34.66	269	207	Average	VERTICAL
2	11008.84	54.22	74.00	-19.78	42.49	7.69	38.70	34.66	269	207	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11153.96	60.66	74.00	-13.34	49.02	7.59	38.70	34.65	309	144	Peak	HORIZONTAL
2	11154.60	46.96	54.00	-7.04	35.32	7.59	38.70	34.65	309	144	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11164.88	61.48	74.00	-12.52	49.85	7.58	38.70	34.65	342	178	Peak	VERTICAL
2	11166.08	48.89	54.00	-5.11	37.26	7.58	38.70	34.65	342	178	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11391.64	39.93	54.00	-14.07	28.44	7.42	38.70	34.63	173	182 Average	HORIZONTAL
2	11409.88	52.96	74.00	-21.04	41.49	7.40	38.70	34.63	173	182 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11390.24	52.79	74.00	-21.21	41.30	7.42	38.70	34.63	125	164 Peak	VERTICAL
2	11410.00	40.09	54.00	-13.91	28.62	7.40	38.70	34.63	125	164 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15806.48	57.97	74.00	-16.03	44.24	9.94	38.66	34.87	242	125 Peak	HORIZONTAL
2	15816.32	45.90	54.00	-8.10	32.13	9.95	38.69	34.87	242	125 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15816.12	58.76	74.00	-15.24	44.99	9.95	38.69	34.87	340	214 Peak	VERTICAL
2	15818.68	45.63	54.00	-8.37	31.86	9.95	38.69	34.87	340	214 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10617.16	41.11	54.00	-12.89	29.45	7.81	38.78	34.93	97	126 Average	HORIZONTAL
2	10622.00	54.41	74.00	-19.59	42.75	7.81	38.78	34.93	97	126 Peak	HORIZONTAL
3	15922.20	45.90	54.00	-8.10	31.95	10.02	38.88	34.95	157	180 Average	HORIZONTAL
4	15934.52	58.45	74.00	-15.55	44.49	10.03	38.91	34.98	157	180 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	10618.80	54.03	74.00	-19.97	42.37	7.81	38.78	34.93	157	182 Peak	VERTICAL
2	10619.80	41.22	54.00	-12.78	29.56	7.81	38.78	34.93	157	182 Average	VERTICAL
3	15926.20	45.95	54.00	-8.05	32.00	10.02	38.88	34.95	241	191 Average	VERTICAL
4	15934.92	58.53	74.00	-15.47	44.57	10.03	38.91	34.98	241	191 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11012.76	52.71	74.00	-21.29	40.98	7.69	38.70	34.66	65	148 Peak	HORIZONTAL
2	11012.96	40.07	54.00	-13.93	28.34	7.69	38.70	34.66	65	148 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11011.60	39.92	54.00	-14.08	28.19	7.69	38.70	34.66	192	167 Average	VERTICAL
2	11026.28	52.66	74.00	-21.34	40.94	7.68	38.70	34.66	192	167 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015 ~ Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11107.40	40.97	54.00	-13.03	29.31	7.61	38.70	34.65	180	147	Average	HORIZONTAL
2	11109.12	53.61	74.00	-20.39	41.95	7.61	38.70	34.65	180	147	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11102.36	53.56	74.00	-20.44	41.88	7.63	38.70	34.65	106	179	Peak	VERTICAL
2	11103.60	40.86	54.00	-13.14	29.18	7.63	38.70	34.65	106	179	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11344.24	40.23	54.00	-13.77	28.71	7.45	38.70	34.63	90	154 Average	HORIZONTAL
2	11347.92	53.16	74.00	-20.84	41.65	7.44	38.70	34.63	90	154 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11332.44	52.83	74.00	-21.17	41.31	7.45	38.70	34.63	234	181 Peak	VERTICAL
2	11332.48	40.37	54.00	-13.63	28.85	7.45	38.70	34.63	234	181 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15869.96	58.08	74.00	-15.92	44.85	10.81	37.77	35.35	Peak	158	266 HORIZONTAL
2	15870.03	46.38	54.00	-7.62	33.15	10.81	37.77	35.35	Average	158	266 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15869.96	59.86	74.00	-14.14	46.63	10.81	37.77	35.35	Peak	143	164 VERTICAL
2	15870.04	46.34	54.00	-7.66	33.11	10.81	37.77	35.35	Average	143	164 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11059.96	55.04	74.00	-18.96	42.28	8.97	38.58	34.79	Peak	139	195 HORIZONTAL
2	11060.03	42.31	54.00	-11.69	29.55	8.97	38.58	34.79	Average	139	195 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11060.00	42.23	54.00	-11.77	29.47	8.97	38.58	34.79	Average	181	306 VERTICAL
2	11060.05	54.29	74.00	-19.71	41.53	8.97	38.58	34.79	Peak	181	306 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11216.88	41.91	54.00	-12.09	30.31	7.54	38.70	34.64	322	172	Average	HORIZONTAL
2	11220.10	53.52	74.00	-20.48	41.92	7.54	38.70	34.64	322	172	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11215.26	41.00	54.00	-13.00	29.40	7.54	38.70	34.64	257	199	Average	VERTICAL
2	11220.92	53.58	74.00	-20.42	41.98	7.54	38.70	34.64	257	199	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.20	47.52	54.00	-6.48	36.07	7.38	38.70	34.63	13	222	Average	HORIZONTAL
2	11441.70	59.51	74.00	-14.49	48.06	7.38	38.70	34.63	13	222	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11437.90	58.79	74.00	-15.21	47.34	7.38	38.70	34.63	325	227	Peak	VERTICAL
2	11439.90	47.74	54.00	-6.26	36.29	7.38	38.70	34.63	325	227	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11439.88	46.70	54.00	-7.30	35.25	7.38	38.70	34.63	11	238 Average	HORIZONTAL
2	11440.04	58.73	74.00	-15.27	47.28	7.38	38.70	34.63	11	238 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11438.04	60.89	74.00	-13.11	49.44	7.38	38.70	34.63	327	227 Peak	VERTICAL
2	11438.48	46.97	54.00	-7.03	35.52	7.38	38.70	34.63	327	227 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11420.08	46.77	54.00	-7.23	35.31	7.39	38.70	34.63	350	228 Average	HORIZONTAL
2	11421.04	57.31	74.00	-16.69	45.85	7.39	38.70	34.63	350	228 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11419.92	58.55	74.00	-15.45	47.09	7.39	38.70	34.63	326	235 Peak	VERTICAL
2	11419.92	47.38	54.00	-6.62	35.92	7.39	38.70	34.63	326	235 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11378.00	54.38	74.00	-19.62	42.88	7.43	38.70	34.63	300	160	Peak	HORIZONTAL
2	11378.86	42.21	54.00	-11.79	30.72	7.42	38.70	34.63	300	160	Average	HORIZONTAL
3	17069.56	62.47	74.00	-11.53	43.46	10.94	41.91	33.84	210	132	Peak	HORIZONTAL
4	17075.52	50.69	54.00	-3.31	31.66	10.94	41.93	33.84	210	132	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11379.92	41.16	54.00	-12.84	29.67	7.42	38.70	34.63	59	214	Average	VERTICAL
2	11383.68	52.97	74.00	-21.03	41.48	7.42	38.70	34.63	59	214	Peak	VERTICAL
3	17061.52	63.42	74.00	-10.58	44.41	10.94	41.91	33.84	281	154	Peak	VERTICAL
4	17068.64	50.83	54.00	-3.17	31.82	10.94	41.91	33.84	281	154	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15775.85	44.37	54.00	-9.63	30.97	10.80	37.91	35.31	Average	150	307 HORIZONTAL
2	15783.88	56.61	74.00	-17.39	43.24	10.80	37.89	35.32	Peak	150	307 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15778.86	57.60	74.00	-16.40	44.21	10.80	37.91	35.32	Peak	153	235 VERTICAL
2	15781.53	44.34	54.00	-9.66	30.97	10.80	37.89	35.32	Average	153	235 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10601.23	42.60	54.00	-11.40	30.33	8.64	38.58	34.95 Average	151	105	HORIZONTAL
2	10613.31	54.42	74.00	-19.58	42.15	8.64	38.58	34.95 Peak	151	105	HORIZONTAL
3	15899.80	58.32	74.00	-15.68	45.13	10.81	37.74	35.36 Peak	160	166	HORIZONTAL
4	15901.11	44.79	54.00	-9.21	31.62	10.81	37.72	35.36 Average	160	166	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10597.76	61.28	74.00	-12.72	49.02	8.64	38.58	34.96 Peak	179	162	VERTICAL
2	10598.12	48.68	54.00	-5.32	36.42	8.64	38.58	34.96 Average	179	162	VERTICAL
3	15902.95	57.39	74.00	-16.61	44.22	10.81	37.72	35.36 Peak	151	96	VERTICAL
4	15996.97	44.94	54.00	-9.06	31.93	10.82	37.60	35.41 Average	151	96	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10635.01	55.36	74.00	-18.64	43.07	8.66	38.57	34.94	Peak	219	225 HORIZONTAL
2	10645.79	42.87	54.00	-11.13	30.58	8.66	38.57	34.94	Average	219	225 HORIZONTAL
3	15955.02	56.59	74.00	-17.41	43.51	10.82	37.65	35.39	Peak	140	144 HORIZONTAL
4	15958.38	43.88	54.00	-10.12	30.81	10.82	37.65	35.40	Average	140	144 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	10636.53	61.09	74.00	-12.91	48.80	8.66	38.57	34.94	Peak	178	130 VERTICAL
2	10637.90	48.65	54.00	-5.35	36.36	8.66	38.57	34.94	Average	178	130 VERTICAL
3	15960.29	56.55	74.00	-17.45	43.48	10.82	37.65	35.40	Peak	186	208 VERTICAL
4	15961.53	43.97	54.00	-10.03	30.90	10.82	37.65	35.40	Average	186	208 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11000.22	54.72	74.00	-19.28	42.08	8.93	38.50	34.79	Peak	173	246	HORIZONTAL
2	11002.53	43.12	54.00	-10.88	30.48	8.93	38.50	34.79	Average	173	246	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11000.29	50.19	54.00	-3.81	37.55	8.93	38.50	34.79	Average	179	234	VERTICAL
2	11000.51	63.63	74.00	-10.37	50.99	8.93	38.50	34.79	Peak	179	234	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11164.85	56.74	74.00	-17.26	43.79	9.04	38.70	34.79	Peak	202	104 HORIZONTAL
2	11165.86	43.92	54.00	-10.08	30.97	9.04	38.70	34.79	Average	202	104 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11159.71	49.17	54.00	-4.83	36.22	9.04	38.70	34.79	Average	200	289 VERTICAL
2	11164.28	61.58	74.00	-12.42	48.63	9.04	38.70	34.79	Peak	200	289 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11397.83	42.87	54.00	-11.13	29.50	9.19	38.98	34.80	Average	131	152 HORIZONTAL
2	11399.98	55.00	74.00	-19.00	41.63	9.19	38.98	34.80	Peak	131	152 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11400.22	47.86	54.00	-6.14	34.49	9.19	38.98	34.80	Average	196	229 VERTICAL
2	11400.72	60.08	74.00	-13.92	46.71	9.19	38.98	34.80	Peak	196	229 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15779.97	56.60	74.00	-17.40	43.21	10.80	37.91	35.32	Peak	150	281	HORIZONTAL
2	15780.38	43.39	54.00	-10.61	30.00	10.80	37.91	35.32	Average	150	281	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	15779.57	43.86	54.00	-10.14	30.47	10.80	37.91	35.32	Average	172	175	VERTICAL
2	15779.89	57.43	74.00	-16.57	44.04	10.80	37.91	35.32	Peak	172	175	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10602.53	54.76	74.00	-19.24	42.49	8.64	38.58	34.95	Peak	197	119	HORIZONTAL
2	10602.89	42.03	54.00	-11.97	29.76	8.64	38.58	34.95	Average	197	119	HORIZONTAL
3	15900.04	57.73	74.00	-16.27	44.54	10.81	37.74	35.36	Peak	168	137	HORIZONTAL
4	15900.19	43.90	54.00	-10.10	30.71	10.81	37.74	35.36	Average	168	137	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.25	48.88	54.00	-5.12	36.62	8.64	38.58	34.96	Average	188	130	VERTICAL
2	10600.60	61.83	74.00	-12.17	49.57	8.64	38.58	34.96	Peak	188	130	VERTICAL
3	15899.59	57.12	74.00	-16.88	43.93	10.81	37.74	35.36	Peak	150	235	VERTICAL
4	15899.93	43.60	54.00	-10.40	30.41	10.81	37.74	35.36	Average	150	235	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10639.57	53.63	74.00	-20.37	41.34	8.66	38.57	34.94	Peak	150	215
2	10640.09	40.69	54.00	-13.31	28.40	8.66	38.57	34.94	Average	150	215
3	15960.15	43.20	54.00	-10.80	30.13	10.82	37.65	35.40	Average	150	184
4	15960.16	56.52	74.00	-17.48	43.45	10.82	37.65	35.40	Peak	150	184

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10637.96	62.45	74.00	-11.55	50.16	8.66	38.57	34.94	Peak	180	129
2	10639.09	48.36	54.00	-5.64	36.07	8.66	38.57	34.94	Average	180	129
3	15959.53	42.76	54.00	-11.24	29.69	10.82	37.65	35.40	Average	150	195
4	15959.69	56.48	74.00	-17.52	43.41	10.82	37.65	35.40	Peak	150	195

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10999.78	56.13	74.00	-17.87	43.49	8.93	38.50	34.79	Peak	217	134 HORIZONTAL
2	11002.75	43.40	54.00	-10.60	30.76	8.93	38.50	34.79	Average	217	134 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10999.57	48.04	54.00	-5.96	35.40	8.93	38.50	34.79	Average	167	235 VERTICAL
2	11000.80	61.89	74.00	-12.11	49.25	8.93	38.50	34.79	Peak	167	235 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11164.12	42.54	54.00	-11.46	29.59	9.04	38.70	34.79	Average	171	220 HORIZONTAL
2	11165.21	54.84	74.00	-19.16	41.89	9.04	38.70	34.79	Peak	171	220 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11153.71	63.07	74.00	-10.93	50.15	9.03	38.68	34.79	Peak	181	84 VERTICAL
2	11153.85	49.59	54.00	-4.41	36.67	9.03	38.68	34.79	Average	181	84 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11399.93	41.97	54.00	-12.03	28.60	9.19	38.98	34.80	Average	157	230 HORIZONTAL
2	11400.37	54.98	74.00	-19.02	41.61	9.19	38.98	34.80	Peak	157	230 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11402.97	44.56	54.00	-9.44	31.19	9.19	38.98	34.80	Average	185	141 VERTICAL
2	11402.97	57.89	74.00	-16.11	44.52	9.19	38.98	34.80	Peak	185	141 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15809.90	43.38	54.00	-10.62	30.04	10.80	37.87	35.33	Average	150	234 HORIZONTAL
2	15810.33	56.61	74.00	-17.39	43.27	10.80	37.87	35.33	Peak	150	234 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	15809.54	56.93	74.00	-17.07	43.59	10.80	37.87	35.33	Peak	150	102 VERTICAL
2	15809.75	42.88	54.00	-11.12	29.54	10.80	37.87	35.33	Average	150	102 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10619.73	40.47	54.00	-13.53	28.19	8.65	38.58	34.95	Average	150	79 HORIZONTAL
2	10619.78	53.54	74.00	-20.46	41.26	8.65	38.58	34.95	Peak	150	79 HORIZONTAL
3	15929.68	42.53	54.00	-11.47	29.40	10.81	37.70	35.38	Average	150	194 HORIZONTAL
4	15930.43	56.12	74.00	-17.88	43.00	10.81	37.70	35.39	Peak	150	194 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10620.33	54.02	74.00	-19.98	41.74	8.65	38.58	34.95	Peak	150	180 VERTICAL
2	10620.48	40.97	54.00	-13.03	28.69	8.65	38.58	34.95	Average	150	180 VERTICAL
3	15929.52	43.03	54.00	-10.97	29.90	10.81	37.70	35.38	Average	150	271 VERTICAL
4	15929.88	56.72	74.00	-17.28	43.59	10.81	37.70	35.38	Peak	150	271 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11019.60	54.28	74.00	-19.72	41.61	8.94	38.52	34.79	Peak	150	141 HORIZONTAL
2	11019.97	40.90	54.00	-13.10	28.23	8.94	38.52	34.79	Average	150	141 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11019.78	46.29	54.00	-7.71	33.62	8.94	38.52	34.79	Average	173	234 VERTICAL
2	11019.86	58.86	74.00	-15.14	46.19	8.94	38.52	34.79	Peak	173	234 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11099.96	41.16	54.00	-12.84	28.34	8.99	38.62	34.79	150	265	HORIZONTAL
2	11100.22	54.85	74.00	-19.15	42.03	8.99	38.62	34.79	150	265	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11104.49	46.74	54.00	-7.26	33.92	8.99	38.62	34.79	190	96	VERTICAL
2	11105.14	58.50	74.00	-15.50	45.68	8.99	38.62	34.79	190	96	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11339.66	41.44	54.00	-12.56	28.20	9.14	38.90	34.80	Average	150	151 HORIZONTAL
2	11340.35	54.92	74.00	-19.08	41.68	9.14	38.90	34.80	Peak	150	151 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11337.54	56.75	74.00	-17.25	43.51	9.14	38.90	34.80	Peak	180	227 VERTICAL
2	11340.07	44.70	54.00	-9.30	31.46	9.14	38.90	34.80	Average	180	227 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15869.66	57.91	74.00	-16.09	44.68	10.81	37.77	35.35	Peak	150	217 HORIZONTAL
2	15870.21	43.65	54.00	-10.35	30.42	10.81	37.77	35.35	Average	150	217 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15869.53	56.76	74.00	-17.24	43.53	10.81	37.77	35.35	Peak	164	82 VERTICAL
2	15869.59	43.33	54.00	-10.67	30.10	10.81	37.77	35.35	Average	164	82 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11059.93	54.37	74.00	-19.63	41.61	8.97	38.58	34.79	Peak	150	235	HORIZONTAL
2	11060.48	41.08	54.00	-12.92	28.32	8.97	38.58	34.79	Average	150	235	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11059.89	54.56	74.00	-19.44	41.80	8.97	38.58	34.79	Peak	150	78	VERTICAL
2	11060.13	40.38	54.00	-13.62	27.62	8.97	38.58	34.79	Average	150	78	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11219.56	54.10	74.00	-19.90	41.06	9.07	38.76	34.79	Peak	150	250	HORIZONTAL
2	11219.86	41.08	54.00	-12.92	28.04	9.07	38.76	34.79	Average	150	250	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11219.89	42.46	54.00	-11.54	29.42	9.07	38.76	34.79	Average	177	128	VERTICAL
2	11220.05	55.91	74.00	-18.09	42.87	9.07	38.76	34.79	Peak	177	128	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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	11440.29	46.70	54.00	-7.30	33.27	9.21	39.02	34.80	Average	205	137	HORIZONTAL
2	11441.38	60.61	74.00	-13.39	47.18	9.21	39.02	34.80	Peak	205	137	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	11440.14	52.75	54.00	-1.25	39.32	9.21	39.02	34.80	Average	240	211	VERTICAL
2	11440.58	65.81	74.00	-8.19	52.38	9.21	39.02	34.80	Peak	240	211	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11440.36	46.52	54.00	-7.48	33.09	9.21	39.02	34.80	Average	204	138 HORIZONTAL
2	11440.43	60.26	74.00	-13.74	46.83	9.21	39.02	34.80	Peak	204	138 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11442.61	65.19	74.00	-8.81	51.76	9.21	39.02	34.80	Peak	189	117 VERTICAL
2	11443.33	52.17	54.00	-1.83	38.74	9.21	39.02	34.80	Average	189	117 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11420.00	46.00	54.00	-8.00	32.60	9.20	39.00	34.80	Average	202	139 HORIZONTAL
2	11420.00	57.29	74.00	-16.71	43.89	9.20	39.00	34.80	Peak	202	139 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11403.36	64.41	74.00	-9.59	51.04	9.19	38.98	34.80	Peak	182	117 VERTICAL
2	11423.83	51.80	54.00	-2.20	38.40	9.20	39.00	34.80	Average	182	117 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11379.58	54.92	74.00	-19.08	41.58	9.18	38.96	34.80	Peak	150	161	HORIZONTAL
2	11379.63	42.01	54.00	-11.99	28.67	9.18	38.96	34.80	Average	150	161	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	11380.80	46.62	54.00	-7.38	33.28	9.18	38.96	34.80	Average	173	119	VERTICAL
2	11401.06	60.54	74.00	-13.46	47.17	9.19	38.98	34.80	Peak	173	119	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15779.17	43.78	54.00	-10.22	30.39	10.80	37.91	35.32	Average	178	94 HORIZONTAL
2	15781.51	56.00	74.00	-18.00	42.63	10.80	37.89	35.32	Peak	178	94 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15778.02	43.71	54.00	-10.29	30.32	10.80	37.91	35.32	Average	184	315 VERTICAL
2	15781.63	57.26	74.00	-16.74	43.89	10.80	37.89	35.32	Peak	184	315 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.64	63.88	74.00	-10.12	51.62	8.64	38.58	34.96 Peak	223	309	HORIZONTAL
2	10600.96	49.25	54.00	-4.75	36.98	8.64	38.58	34.95 Average	223	309	HORIZONTAL
3	15899.15	44.04	54.00	-9.96	30.85	10.81	37.74	35.36 Average	189	337	HORIZONTAL
4	15900.09	56.49	74.00	-17.51	43.30	10.81	37.74	35.36 Peak	189	337	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.66	59.78	74.00	-14.22	47.52	8.64	38.58	34.96 Peak	230	330	VERTICAL
2	10601.65	46.19	54.00	-7.81	33.92	8.64	38.58	34.95 Average	230	330	VERTICAL
3	15898.75	56.62	74.00	-17.38	43.43	10.81	37.74	35.36 Peak	182	291	VERTICAL
4	15899.25	43.91	54.00	-10.09	30.72	10.81	37.74	35.36 Average	182	291	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10633.26	57.51	74.00	-16.49	45.22	8.66	38.57	34.94	Peak	156	284 HORIZONTAL
2	10633.83	44.16	54.00	-9.84	31.87	8.66	38.57	34.94	Average	156	284 HORIZONTAL
3	15724.83	55.50	74.00	-18.50	42.00	10.79	37.99	35.28	Peak	277	318 HORIZONTAL
4	15728.31	42.55	54.00	-11.45	29.06	10.79	37.99	35.29	Average	277	318 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10481.91	39.95	54.00	-14.05	27.78	8.56	38.62	35.01	Average	211	143 VERTICAL
2	10482.95	52.29	74.00	-21.71	40.12	8.56	38.62	35.01	Peak	211	143 VERTICAL
3	15720.46	54.72	74.00	-19.28	41.22	10.79	37.99	35.28	Peak	164	270 VERTICAL
4	15722.84	42.50	54.00	-11.50	29.00	10.79	37.99	35.28	Average	164	270 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	10996.27	56.62	74.00	-17.38	43.98	8.93	38.50	34.79	Peak	158	283 HORIZONTAL
2	10997.51	43.74	54.00	-10.26	31.10	8.93	38.50	34.79	Average	158	283 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11002.52	52.54	74.00	-21.46	39.90	8.93	38.50	34.79	Peak	197	78 VERTICAL
2	11007.06	39.99	54.00	-14.01	27.32	8.94	38.52	34.79	Average	197	78 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11161.98	62.65	74.00	-11.35	49.70	9.04	38.70	34.79	Peak	239	277 HORIZONTAL
2	11162.03	48.11	54.00	-5.89	35.16	9.04	38.70	34.79	Average	239	277 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11157.50	59.24	74.00	-14.76	46.29	9.04	38.70	34.79	Peak	237	319 VERTICAL
2	11157.60	46.04	54.00	-7.96	33.09	9.04	38.70	34.79	Average	237	319 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	
1	11402.03	56.80	74.00	-17.20	43.43	9.19	38.98	34.80 Peak	234	339	HORIZONTAL
2	11402.37	43.77	54.00	-10.23	30.40	9.19	38.98	34.80 Average	234	339	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	
1	11400.75	54.95	74.00	-19.05	41.58	9.19	38.98	34.80 Peak	225	317	VERTICAL
2	11401.91	42.70	54.00	-11.30	29.33	9.19	38.98	34.80 Average	225	317	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15778.81	43.66	54.00	-10.34	30.27	10.80	37.91	35.32	164	102	HORIZONTAL
2	15780.02	56.78	74.00	-17.22	43.39	10.80	37.91	35.32	164	102	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15778.30	56.60	74.00	-17.40	43.21	10.80	37.91	35.32	185	314	VERTICAL
2	15780.25	43.45	54.00	-10.55	30.06	10.80	37.91	35.32	185	314	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10599.10	62.84	74.00	-11.16	50.58	8.64	38.58	34.96	Peak	225	307 HORIZONTAL
2	10599.46	47.91	54.00	-6.09	35.65	8.64	38.58	34.96	Average	225	307 HORIZONTAL
3	15898.26	43.71	54.00	-10.29	30.52	10.81	37.74	35.36	Average	186	114 HORIZONTAL
4	15900.38	57.50	74.00	-16.50	44.31	10.81	37.74	35.36	Peak	186	114 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10600.16	45.09	54.00	-8.91	32.83	8.64	38.58	34.96	Average	220	330 VERTICAL
2	10600.42	58.16	74.00	-15.84	45.90	8.64	38.58	34.96	Peak	220	330 VERTICAL
3	15899.28	56.14	74.00	-17.86	42.95	10.81	37.74	35.36	Peak	186	322 VERTICAL
4	15901.24	43.78	54.00	-10.22	30.61	10.81	37.72	35.36	Average	186	322 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10638.46	57.25	74.00	-16.75	44.96	8.66	38.57	34.94	Peak	222	278 HORIZONTAL
2	10638.67	43.76	54.00	-10.24	31.47	8.66	38.57	34.94	Average	222	278 HORIZONTAL
3	15959.89	56.09	74.00	-17.91	43.02	10.82	37.65	35.40	Peak	170	96 HORIZONTAL
4	15961.62	43.08	54.00	-10.92	30.01	10.82	37.65	35.40	Average	170	96 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10637.54	42.27	54.00	-11.73	29.98	8.66	38.57	34.94	Average	226	343 VERTICAL
2	10638.47	54.61	74.00	-19.39	42.32	8.66	38.57	34.94	Peak	226	343 VERTICAL
3	15958.23	43.12	54.00	-10.88	30.05	10.82	37.65	35.40	Average	176	307 VERTICAL
4	15958.73	56.91	74.00	-17.09	43.84	10.82	37.65	35.40	Peak	176	307 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10998.31	59.52	74.00	-14.48	46.88	8.93	38.50	34.79	Peak	218	310 HORIZONTAL
2	10998.73	44.64	54.00	-9.36	32.00	8.93	38.50	34.79	Average	218	310 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	10997.58	41.80	54.00	-12.20	29.16	8.93	38.50	34.79	Average	222	347 VERTICAL
2	10997.60	54.99	74.00	-19.01	42.35	8.93	38.50	34.79	Peak	222	347 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11157.51	61.63	74.00	-12.37	48.68	9.04	38.70	34.79	Peak	211	288 HORIZONTAL
2	11158.22	48.16	54.00	-5.84	35.21	9.04	38.70	34.79	Average	211	288 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11161.64	57.77	74.00	-16.23	44.82	9.04	38.70	34.79	Peak	199	334 VERTICAL
2	11162.42	44.04	54.00	-9.96	31.09	9.04	38.70	34.79	Average	199	334 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11398.21	57.35	74.00	-16.65	43.98	9.19	38.98	34.80	Peak	227	308 HORIZONTAL
2	11398.52	43.56	54.00	-10.44	30.19	9.19	38.98	34.80	Average	227	308 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11401.69	41.99	54.00	-12.01	28.62	9.19	38.98	34.80	Average	220	314 VERTICAL
2	11401.92	54.42	74.00	-19.58	41.05	9.19	38.98	34.80	Peak	220	314 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15807.63	56.79	74.00	-17.21	43.45	10.80	37.87	35.33	Peak	175	90 HORIZONTAL
2	15807.84	43.48	54.00	-10.52	30.14	10.80	37.87	35.33	Average	175	90 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15812.31	43.55	54.00	-10.45	30.21	10.80	37.87	35.33	Average	185	327 VERTICAL
2	15812.43	56.35	74.00	-17.65	43.01	10.80	37.87	35.33	Peak	185	327 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10619.60	53.54	74.00	-20.46	41.26	8.65	38.58	34.95 Peak	230	292	HORIZONTAL
2	10620.16	40.75	54.00	-13.25	28.47	8.65	38.58	34.95 Average	230	292	HORIZONTAL
3	15931.01	43.29	54.00	-10.71	30.17	10.81	37.70	35.39 Average	183	109	HORIZONTAL
4	15932.47	55.90	74.00	-18.10	42.78	10.81	37.70	35.39 Peak	183	109	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10618.11	40.65	54.00	-13.35	28.37	8.65	38.58	34.95 Average	230	321	VERTICAL
2	10622.47	52.90	74.00	-21.10	40.62	8.65	38.58	34.95 Peak	230	321	VERTICAL
3	15927.73	43.18	54.00	-10.82	30.05	10.81	37.70	35.38 Average	191	308	VERTICAL
4	15931.62	55.73	74.00	-18.27	42.61	10.81	37.70	35.39 Peak	191	308	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11019.00	41.08	54.00	-12.92	28.41	8.94	38.52	34.79	Average	226	308 HORIZONTAL
2	11020.26	54.59	74.00	-19.41	41.92	8.94	38.52	34.79	Peak	226	308 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	11018.46	40.63	54.00	-13.37	27.96	8.94	38.52	34.79	Average	246	340 VERTICAL
2	11018.50	53.69	74.00	-20.31	41.02	8.94	38.52	34.79	Peak	246	340 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11099.05	45.59	54.00	-8.41	32.77	8.99	38.62	34.79	Average	216	312 HORIZONTAL
2	11099.15	57.82	74.00	-16.18	45.00	8.99	38.62	34.79	Peak	216	312 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11098.42	54.76	74.00	-19.24	41.94	8.99	38.62	34.79	Peak	215	325 VERTICAL
2	11099.93	42.50	54.00	-11.50	29.68	8.99	38.62	34.79	Average	215	325 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11339.76	43.54	54.00	-10.46	30.30	9.14	38.90	34.80	Average	214	288 HORIZONTAL
2	11341.71	56.28	74.00	-17.72	43.04	9.14	38.90	34.80	Peak	214	288 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11338.35	54.51	74.00	-19.49	41.27	9.14	38.90	34.80	Peak	220	319 VERTICAL
2	11339.28	41.66	54.00	-12.34	28.42	9.14	38.90	34.80	Average	220	319 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15871.93	56.61	74.00	-17.39	43.38	10.81	37.77	35.35	Peak	179	126 HORIZONTAL
2	15872.24	43.73	54.00	-10.27	30.50	10.81	37.77	35.35	Average	179	126 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15867.97	57.44	74.00	-16.56	44.21	10.81	37.77	35.35	Peak	194	314 VERTICAL
2	15868.04	43.71	54.00	-10.29	30.48	10.81	37.77	35.35	Average	194	314 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11059.91	40.38	54.00	-13.62	27.62	8.97	38.58	34.79	Average	232	315 HORIZONTAL
2	11062.29	53.92	74.00	-20.08	41.16	8.97	38.58	34.79	Peak	232	315 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11058.89	53.08	74.00	-20.92	40.32	8.97	38.58	34.79	Peak	226	305 VERTICAL
2	11061.07	40.45	54.00	-13.55	27.69	8.97	38.58	34.79	Average	226	305 VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11218.76	54.38	74.00	-19.62	41.34	9.07	38.76	34.79	Peak	225	305 HORIZONTAL
2	11220.00	41.35	54.00	-12.65	28.31	9.07	38.76	34.79	Average	225	305 HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11220.18	53.85	74.00	-20.15	40.81	9.07	38.76	34.79	Peak	237	310 VERTICAL
2	11222.37	41.09	54.00	-12.91	28.05	9.07	38.76	34.79	Average	237	310 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.

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	cm	deg	
1	11418.00	44.44	54.00	-9.56	28.73	10.99	35.22	39.94	HORIZONTAL	224	246	Average
2	11418.00	54.68	74.00	-19.32	38.97	10.99	35.22	39.94	HORIZONTAL	224	246	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	cm	deg	
1	11411.48	44.45	54.00	-9.55	28.72	10.99	35.22	39.96	VERTICAL	168	321	Average
2	11411.52	58.13	74.00	-15.87	42.40	10.99	35.22	39.96	VERTICAL	168	321	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	cm	deg	
1	11411.92	44.65	54.00	-9.35	28.92	10.99	35.22	39.96	HORIZONTAL	199	171	Average
2	11416.72	57.63	74.00	-16.37	41.90	10.99	35.22	39.96	HORIZONTAL	199	171	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	cm	deg	
1	11401.96	44.46	54.00	-9.54	28.74	10.98	35.22	39.96	VERTICAL	155	7	Average
2	11415.40	57.41	74.00	-16.59	41.68	10.99	35.22	39.96	VERTICAL	155	7	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	cm	deg	
1	11417.52	44.31	54.00	-9.69	28.60	10.99	35.22	39.94	HORIZONTAL	180	216	Average
2	11426.12	56.78	74.00	-17.22	41.06	11.00	35.22	39.94	HORIZONTAL	180	216	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	cm	deg	
1	11414.24	44.47	54.00	-9.53	28.74	10.99	35.22	39.96	VERTICAL	147	360	Average
2	11414.24	54.64	74.00	-19.36	38.91	10.99	35.22	39.96	VERTICAL	147	360	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015 ~ Oct. 21, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	cm	deg	
1	11378.88	45.15	54.00	-8.85	29.42	10.97	35.22	39.98	HORIZONTAL	171	257	Average
2	11386.12	58.86	74.00	-15.14	43.15	10.97	35.22	39.96	HORIZONTAL	171	257	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	cm	deg	
1	11370.56	45.41	54.00	-8.59	29.69	10.96	35.22	39.98	VERTICAL	150	209	Average
2	11373.56	58.48	74.00	-15.52	42.75	10.97	35.22	39.98	VERTICAL	150	209	Peak

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.

4.6. Band Edge Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.25-5.35 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.

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

4.6.2. Measuring Instruments and Setting

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

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

4.6.3. Test Procedures

1. The test procedure is the same as section 4.5.3.

4.6.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5135.96	44.98	54.00	-9.02	39.85	6.12	34.01	35.00	101	132	VERTICAL
2	5144.14	57.16	74.00	-16.84	51.99	6.13	34.04	35.00	101	132	VERTICAL
3	5257.12	123.80			118.40	6.20	34.20	35.00	101	132	VERTICAL
4	5257.60	114.20			108.80	6.20	34.20	35.00	101	132	VERTICAL
5	5353.75	46.29	54.00	-7.71	40.67	6.26	34.36	35.00	101	132	VERTICAL
6	5397.98	58.09	74.00	-15.91	52.35	6.29	34.44	34.99	101	132	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5298.40	123.40			117.89	6.23	34.28	35.00	102	133	VERTICAL
2	5299.04	113.59			108.08	6.23	34.28	35.00	102	133	VERTICAL
3	5351.28	50.68	54.00	-3.32	45.06	6.26	34.36	35.00	102	133	VERTICAL
4	5351.92	66.06	74.00	-7.94	60.44	6.26	34.36	35.00	102	133	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5318.40	121.46			115.91	6.24	34.31	35.00	100	133	VERTICAL
2	5319.04	111.73			106.18	6.24	34.31	35.00	100	133	VERTICAL
3	5351.41	52.54	54.00	-1.46	46.92	6.26	34.36	35.00	100	133	VERTICAL
4	5352.69	66.87	74.00	-7.13	61.25	6.26	34.36	35.00	100	133	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5458.60	66.42	74.00	-7.58	60.56	6.33	34.52	34.99 Peak	197	208	VERTICAL
2	5459.60	51.81	54.00	-2.19	45.95	6.33	34.52	34.99 Average	197	208	VERTICAL
3	5468.80	66.89	68.20	-1.31	60.99	6.34	34.55	34.99 Peak	197	208	VERTICAL
4	5500.80	109.60			103.64	6.36	34.60	35.00 Average	197	208	VERTICAL
5	5500.80	121.66			115.70	6.36	34.60	35.00 Peak	197	208	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5438.40	58.55	74.00	-15.45	52.73	6.32	34.49	34.99 Peak	200	215	VERTICAL
2	5440.00	46.40	54.00	-7.60	40.58	6.32	34.49	34.99 Average	200	215	VERTICAL
3	5470.00	57.99	68.20	-10.21	52.09	6.34	34.55	34.99 Peak	200	215	VERTICAL
4	5580.80	112.45			106.46	6.39	34.61	35.01 Average	200	215	VERTICAL
5	5580.80	123.57			117.58	6.39	34.61	35.01 Peak	200	215	VERTICAL
6	5726.40	59.33	68.20	-8.87	53.27	6.45	34.64	35.03 Peak	200	215	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5698.20	121.21			115.17	6.43	34.64	35.03 Peak	201	217	VERTICAL
2	5699.20	109.80			103.76	6.43	34.64	35.03 Average	201	217	VERTICAL
3	5728.80	67.00	68.20	-1.20	60.94	6.45	34.64	35.03 Peak	201	217	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5127.40	59.73	74.00	-14.27	54.60	6.12	34.01	35.00	Peak	200	136 VERTICAL
2	5150.00	45.73	54.00	-8.27	40.56	6.13	34.04	35.00	Average	200	136 VERTICAL
3	5255.80	125.72			120.32	6.20	34.20	35.00	Peak	200	136 VERTICAL
4	5256.40	114.90			109.50	6.20	34.20	35.00	Average	200	136 VERTICAL
5	5354.20	47.10	54.00	-6.90	41.48	6.26	34.36	35.00	Average	200	136 VERTICAL
6	5359.00	59.01	74.00	-14.99	53.39	6.26	34.36	35.00	Peak	200	136 VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5296.40	123.45			117.94	6.23	34.28	35.00	Peak	193	135 VERTICAL
2	5297.20	113.22			107.71	6.23	34.28	35.00	Average	193	135 VERTICAL
3	5350.00	51.59	54.00	-2.41	45.97	6.26	34.36	35.00	Average	193	135 VERTICAL
4	5350.00	66.33	74.00	-7.67	60.71	6.26	34.36	35.00	Peak	193	135 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	5317.00	120.72			115.17	6.24	34.31	35.00	Peak	192	136 VERTICAL
2	5317.40	109.98			104.43	6.24	34.31	35.00	Average	192	136 VERTICAL
3	5350.00	66.76	74.00	-7.24	61.14	6.26	34.36	35.00	Peak	192	136 VERTICAL
4	5350.20	52.62	54.00	-1.38	47.00	6.26	34.36	35.00	Average	192	136 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5459.80	64.65	74.00	-9.35	58.79	6.33	34.52	34.99	Peak	203	210	VERTICAL
2	5460.00	49.86	54.00	-4.14	44.00	6.33	34.52	34.99	Average	203	210	VERTICAL
3	5468.20	66.89	68.20	-1.31	60.99	6.34	34.55	34.99	Peak	203	210	VERTICAL
4	5499.60	110.42			104.45	6.36	34.60	34.99	Average	203	210	VERTICAL
5	5501.40	120.91			114.95	6.36	34.60	35.00	Peak	203	210	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5454.40	58.77	74.00	-15.23	52.91	6.33	34.52	34.99	Peak	196	210	VERTICAL
2	5460.00	46.52	54.00	-7.48	40.66	6.33	34.52	34.99	Average	196	210	VERTICAL
3	5470.00	58.30	68.20	-9.90	52.40	6.34	34.55	34.99	Peak	196	210	VERTICAL
4	5580.80	113.01			107.02	6.39	34.61	35.01	Average	196	210	VERTICAL
5	5581.60	123.58			117.58	6.39	34.62	35.01	Peak	196	210	VERTICAL
6	5725.60	59.22	68.20	-8.98	53.16	6.45	34.64	35.03	Peak	196	210	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5704.20	104.41			98.36	6.44	34.64	35.03	Average	203	248	VERTICAL
2	5705.00	115.35			109.30	6.44	34.64	35.03	Peak	203	248	VERTICAL
3	5725.00	67.08	68.20	-1.12	61.02	6.45	34.64	35.03	Peak	203	248	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015 ~ Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5266.40	111.56			106.12	6.21	34.23	35.00	Average	202	135 VERTICAL
2	5266.40	120.52			115.08	6.21	34.23	35.00	Peak	202	135 VERTICAL
3	5350.00	52.67	54.00	-1.33	47.05	6.26	34.36	35.00	Average	202	135 VERTICAL
4	5350.00	63.65	74.00	-10.35	58.03	6.26	34.36	35.00	Peak	202	135 VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5306.40	110.90			105.39	6.23	34.28	35.00	Peak	195	133 VERTICAL
2	5306.80	101.70			96.19	6.23	34.28	35.00	Average	195	133 VERTICAL
3	5350.00	52.79	54.00	-1.21	47.17	6.26	34.36	35.00	Average	195	133 VERTICAL
4	5350.40	63.49	74.00	-10.51	57.87	6.26	34.36	35.00	Peak	195	133 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5450.40	50.04	54.00	-3.96	44.18	6.33	34.52	34.99	192	208	VERTICAL
2	5450.40	62.17	74.00	-11.83	56.31	6.33	34.52	34.99	192	208	VERTICAL
3	5469.60	66.99	68.20	-1.21	61.09	6.34	34.55	34.99	192	208	VERTICAL
4	5511.20	114.30			108.34	6.36	34.60	35.00	192	208	VERTICAL
5	5511.60	104.25			98.29	6.36	34.60	35.00	192	208	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.00	61.71	74.00	-12.29	55.85	6.33	34.52	34.99	200	212	VERTICAL
2	5451.60	49.05	54.00	-4.95	43.19	6.33	34.52	34.99	200	212	VERTICAL
3	5470.00	66.88	68.20	-1.32	60.98	6.34	34.55	34.99	200	212	VERTICAL
4	5551.20	108.31			102.32	6.38	34.61	35.00	200	212	VERTICAL
5	5551.20	118.43			112.44	6.38	34.61	35.00	200	212	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5668.40	107.24			101.21	6.43	34.63	35.03	201	213	VERTICAL
2	5668.80	116.84			110.81	6.43	34.63	35.03	201	213	VERTICAL
3	5728.80	66.87	68.20	-1.33	60.81	6.45	34.64	35.03	201	213	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5138.00	57.96	74.00	-16.04	52.83	6.12	34.01	35.00	Peak	188	137 VERTICAL
2	5150.00	45.78	54.00	-8.22	40.61	6.13	34.04	35.00	Average	188	137 VERTICAL
3	5267.00	109.75			104.31	6.21	34.23	35.00	Peak	188	137 VERTICAL
4	5268.00	98.93			93.49	6.21	34.23	35.00	Average	188	137 VERTICAL
5	5356.00	52.62	54.00	-1.38	47.00	6.26	34.36	35.00	Average	188	137 VERTICAL
6	5356.00	65.28	74.00	-8.72	59.66	6.26	34.36	35.00	Peak	188	137 VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5450.00	52.58	54.00	-1.42	46.72	6.33	34.52	34.99	Average	189	210 VERTICAL
2	5450.00	65.37	74.00	-8.63	59.51	6.33	34.52	34.99	Peak	189	210 VERTICAL
3	5470.00	63.30	68.20	-4.90	57.40	6.34	34.55	34.99	Peak	189	210 VERTICAL
4	5531.00	95.77			89.79	6.37	34.61	35.00	Average	189	210 VERTICAL
5	5551.00	107.29			101.30	6.38	34.61	35.00	Peak	189	210 VERTICAL
6	5760.00	56.99	68.20	-11.21	50.93	6.46	34.65	35.05	Peak	189	210 VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5449.00	50.98	54.00	-3.02	45.12	6.33	34.52	34.99	Average	200	211 VERTICAL
2	5450.00	63.45	74.00	-10.55	57.59	6.33	34.52	34.99	Peak	200	211 VERTICAL
3	5470.00	66.93	68.20	-1.27	61.03	6.34	34.55	34.99	Peak	200	211 VERTICAL
4	5590.00	102.45			96.45	6.39	34.62	35.01	Average	200	211 VERTICAL
5	5591.00	113.78			107.78	6.39	34.62	35.01	Peak	200	211 VERTICAL
6	5732.00	64.52	68.20	-3.68	58.47	6.45	34.64	35.04	Peak	200	211 VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
											Pol/Phase
1	5718.20	123.93			117.87	6.45	34.64	35.03	Peak	200	216 VERTICAL
2	5718.80	112.43			106.37	6.45	34.64	35.03	Average	200	216 VERTICAL
3	5856.80	59.68	68.20	-8.52	53.57	6.50	34.67	35.06	Peak	200	216 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5713.60	118.33			112.28	6.44	34.64	35.03	Peak	200	166
2	5714.40	107.63			101.58	6.44	34.64	35.03	Average	200	166
3	5853.20	58.33	68.20	-9.87	52.23	6.49	34.67	35.06	Peak	200	166

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5708.40	121.88			115.83	6.44	34.64	35.03	200	216	VERTICAL
2	5709.20	111.59			105.54	6.44	34.64	35.03	200	216	VERTICAL
3	5850.00	64.19	68.20	-4.01	58.09	6.49	34.67	35.06	200	216	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5668.40	105.53			99.50	6.43	34.63	35.03	Average	195	216 VERTICAL
2	5668.40	115.01			108.98	6.43	34.63	35.03	Peak	195	216 VERTICAL
3	5850.80	66.93	68.20	-1.27	60.83	6.49	34.67	35.06	Peak	195	216 VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5252.62	109.57			104.17	6.20	34.20	35.00	Average	206	358 VERTICAL
2	5253.05	119.13			113.73	6.20	34.20	35.00	Peak	206	358 VERTICAL
3	5351.30	59.03	74.00	-14.97	53.41	6.26	34.36	35.00	Peak	206	358 VERTICAL
4	5354.34	47.70	54.00	-6.30	42.08	6.26	34.36	35.00	Average	206	358 VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5294.50	120.03			114.52	6.23	34.28	35.00	Peak	140	6 HORIZONTAL
2	5294.79	109.84			104.33	6.23	34.28	35.00	Average	140	6 HORIZONTAL
3	5350.00	51.08	54.00	-2.92	45.46	6.26	34.36	35.00	Average	140	6 HORIZONTAL
4	5351.45	66.08	74.00	-7.92	60.46	6.26	34.36	35.00	Peak	140	6 HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5316.82	106.65			101.10	6.24	34.31	35.00	Average	163	6 HORIZONTAL
2	5316.82	117.96			112.41	6.24	34.31	35.00	Peak	163	6 HORIZONTAL
3	5350.00	52.77	54.00	-1.23	47.15	6.26	34.36	35.00	Average	163	6 HORIZONTAL
4	5350.00	67.29	74.00	-6.71	61.67	6.26	34.36	35.00	Peak	163	6 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5457.16	48.87	54.00	-5.13	43.01	6.33	34.52	34.99 Average	149	359	VERTICAL
2	5458.32	62.01	74.00	-11.99	56.15	6.33	34.52	34.99 Peak	149	359	VERTICAL
3	5463.53	66.50	68.20	-1.70	60.60	6.34	34.55	34.99 Peak	149	359	VERTICAL
4	5503.18	108.19			102.23	6.36	34.60	35.00 Average	149	359	VERTICAL
5	5503.18	118.21			112.25	6.36	34.60	35.00 Peak	149	359	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5404.17	47.30	54.00	-6.70	41.56	6.29	34.44	34.99 Average	181	6	HORIZONTAL
2	5433.50	60.31	74.00	-13.69	54.49	6.32	34.49	34.99 Peak	181	6	HORIZONTAL
3	5467.12	61.09	68.20	-7.11	55.19	6.34	34.55	34.99 Peak	181	6	HORIZONTAL
4	5576.38	111.47			105.48	6.39	34.61	35.01 Average	181	6	HORIZONTAL
5	5577.11	122.21			116.22	6.39	34.61	35.01 Peak	181	6	HORIZONTAL
6	5759.01	60.87	68.20	-7.33	54.81	6.46	34.65	35.05 Peak	181	6	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5702.60	117.73			111.68	6.44	34.64	35.03 Peak	134	356	VERTICAL
2	5703.18	108.00			101.95	6.44	34.64	35.03 Average	134	356	VERTICAL
3	5726.05	66.29	68.20	-1.91	60.23	6.45	34.64	35.03 Peak	134	356	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5120.20	46.69	54.00	-7.31	41.59	6.11	33.99	35.00	Average	143	353 HORIZONTAL
2	5122.81	58.91	74.00	-15.09	53.78	6.12	34.01	35.00	Peak	143	353 HORIZONTAL
3	5251.75	109.35			103.95	6.20	34.20	35.00	Average	143	353 HORIZONTAL
4	5252.62	119.21			113.81	6.20	34.20	35.00	Peak	143	353 HORIZONTAL
5	5350.00	47.85	54.00	-6.15	42.23	6.26	34.36	35.00	Average	143	353 HORIZONTAL
6	5350.87	58.83	74.00	-15.17	53.21	6.26	34.36	35.00	Peak	143	353 HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5291.90	109.66			104.19	6.22	34.25	35.00	Average	196	360 VERTICAL
2	5292.19	120.78			115.31	6.22	34.25	35.00	Peak	196	360 VERTICAL
3	5350.00	52.36	54.00	-1.64	46.74	6.26	34.36	35.00	Average	196	360 VERTICAL
4	5350.00	69.29	74.00	-4.71	63.67	6.26	34.36	35.00	Peak	196	360 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5313.34	104.75			99.20	6.24	34.31	35.00	Average	195	358 VERTICAL
2	5313.92	116.30			110.75	6.24	34.31	35.00	Peak	195	358 VERTICAL
3	5351.55	52.94	54.00	-1.06	47.32	6.26	34.36	35.00	Average	195	358 VERTICAL
4	5352.13	67.17	74.00	-6.83	61.55	6.26	34.36	35.00	Peak	195	358 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5444.43	61.03	74.00	-12.97	55.21	6.32	34.49	34.99 Peak	157	1	VERTICAL
2	5456.87	47.53	54.00	-6.47	41.67	6.33	34.52	34.99 Average	157	1	VERTICAL
3	5470.00	67.04	68.20	-1.16	61.14	6.34	34.55	34.99 Peak	157	1	VERTICAL
4	5502.89	106.25			100.29	6.36	34.60	35.00 Average	157	1	VERTICAL
5	5502.89	117.92			111.96	6.36	34.60	35.00 Peak	157	1	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5354.96	60.48	74.00	-13.52	54.86	6.26	34.36	35.00 Peak	164	357	VERTICAL
2	5408.51	47.33	54.00	-6.67	41.59	6.29	34.44	34.99 Average	164	357	VERTICAL
3	5464.95	59.50	68.20	-8.70	53.60	6.34	34.55	34.99 Peak	164	357	VERTICAL
4	5585.07	110.00			104.00	6.39	34.62	35.01 Average	164	357	VERTICAL
5	5585.79	120.20			114.20	6.39	34.62	35.01 Peak	164	357	VERTICAL
6	5729.34	59.62	68.20	-8.58	53.56	6.45	34.64	35.03 Peak	164	357	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5703.04	102.95			96.90	6.44	34.64	35.03 Average	152	359	VERTICAL
2	5703.91	113.02			106.97	6.44	34.64	35.03 Peak	152	359	VERTICAL
3	5725.00	67.04	68.20	-1.16	60.98	6.45	34.64	35.03 Peak	152	359	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 54

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5263.05	105.32			99.88	6.21	34.23	35.00	Average	209	1	HORIZONTAL
2	5283.89	115.49			110.02	6.22	34.25	35.00	Peak	209	1	HORIZONTAL
3	5350.00	52.60	54.00	-1.40	46.98	6.26	34.36	35.00	Average	209	1	HORIZONTAL
4	5350.32	65.12	74.00	-8.88	59.50	6.26	34.36	35.00	Peak	209	1	HORIZONTAL

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

Channel 62

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5320.42	98.00			92.45	6.24	34.31	35.00	Average	153	358	HORIZONTAL
2	5321.00	108.52			102.97	6.24	34.31	35.00	Peak	153	358	HORIZONTAL
3	5350.00	52.76	54.00	-1.24	47.14	6.26	34.36	35.00	Average	153	358	HORIZONTAL
4	5354.28	65.22	74.00	-8.78	59.60	6.26	34.36	35.00	Peak	153	358	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5417.67	60.92	74.00	-13.08	55.13	6.31	34.47	34.99 Peak	195	357	HORIZONTAL
2	5439.96	48.13	54.00	-5.87	42.31	6.32	34.49	34.99 Average	195	357	HORIZONTAL
3	5470.00	67.13	68.20	-1.07	61.23	6.34	34.55	34.99 Peak	195	357	HORIZONTAL
4	5502.76	100.00			94.04	6.36	34.60	35.00 Average	195	357	HORIZONTAL
5	5502.76	109.70			103.74	6.36	34.60	35.00 Peak	195	357	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.01	63.39	74.00	-10.61	57.53	6.33	34.52	34.99 Peak	171	6	HORIZONTAL
2	5458.83	50.23	54.00	-3.77	44.37	6.33	34.52	34.99 Average	171	6	HORIZONTAL
3	5465.34	66.63	68.20	-1.57	60.73	6.34	34.55	34.99 Peak	171	6	HORIZONTAL
4	5545.66	107.73			101.75	6.37	34.61	35.00 Average	171	6	HORIZONTAL
5	5546.09	118.15			112.17	6.37	34.61	35.00 Peak	171	6	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5666.09	104.15			98.13	6.42	34.63	35.03 Average	191	5	HORIZONTAL
2	5666.53	111.84			105.81	6.43	34.63	35.03 Peak	191	5	HORIZONTAL
3	5726.01	66.95	68.20	-1.25	60.89	6.45	34.64	35.03 Peak	191	5	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015 ~ Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5126.12	59.65	74.00	-14.35	54.52	6.12	34.01	35.00	Peak	199	359 VERTICAL
2	5147.83	46.42	54.00	-7.58	41.25	6.13	34.04	35.00	Average	199	359 VERTICAL
3	5283.49	102.18			96.71	6.22	34.25	35.00	Peak	199	359 VERTICAL
4	5302.30	92.69			87.18	6.23	34.28	35.00	Average	199	359 VERTICAL
5	5356.57	52.97	54.00	-1.03	47.35	6.26	34.36	35.00	Average	199	359 VERTICAL
6	5356.57	64.56	74.00	-9.44	58.94	6.26	34.36	35.00	Peak	199	359 VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5455.47	52.50	54.00	-1.50	46.64	6.33	34.52	34.99	Average	203	2 VERTICAL
2	5456.92	65.64	74.00	-8.36	59.78	6.33	34.52	34.99	Peak	203	2 VERTICAL
3	5461.45	65.49	68.20	-2.71	59.63	6.33	34.52	34.99	Peak	203	2 VERTICAL
4	5535.79	92.30			86.32	6.37	34.61	35.00	Average	203	2 VERTICAL
5	5536.51	102.77			96.79	6.37	34.61	35.00	Peak	203	2 VERTICAL
6	5769.14	60.47	68.20	-7.73	54.40	6.46	34.66	35.05	Peak	203	2 VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
1	5452.26	62.69	74.00	-11.31	56.83	6.33	34.52	34.99	Peak	201	6 HORIZONTAL
2	5453.70	50.61	54.00	-3.39	44.75	6.33	34.52	34.99	Average	201	6 HORIZONTAL
3	5467.11	64.23	68.20	-3.97	58.33	6.34	34.55	34.99	Peak	201	6 HORIZONTAL
4	5588.29	101.63			95.63	6.39	34.62	35.01	Average	201	6 HORIZONTAL
5	5589.02	111.49			105.49	6.39	34.62	35.01	Peak	201	6 HORIZONTAL
6	5728.62	66.43	68.20	-1.77	60.37	6.45	34.64	35.03	Peak	201	6 HORIZONTAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5722.89	119.70			113.64	6.45	34.64	35.03	Peak	121	354 VERTICAL
2	5723.62	109.93			103.87	6.45	34.64	35.03	Average	121	354 VERTICAL
3	5904.52	59.75	68.20	-8.45	53.62	6.52	34.68	35.07	Peak	121	354 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5716.38	110.54			104.49	6.44	34.64	35.03	Average	194	4 HORIZONTAL
2	5716.38	119.62			113.57	6.44	34.64	35.03	Peak	194	4 HORIZONTAL
3	5861.10	58.98	68.20	-9.22	52.88	6.50	34.67	35.07	Peak	194	4 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5702.76	109.49			103.44	6.44	34.64	35.03	Average	190	355 HORIZONTAL
2	5703.49	118.82			112.77	6.44	34.64	35.03	Peak	190	355 HORIZONTAL
3	5942.27	60.45	68.20	-7.75	54.31	6.53	34.69	35.08	Peak	190	355 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 25, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5662.50	115.98			109.96	6.42	34.63	35.03	Peak	202	358 HORIZONTAL
2	5702.30	105.54			99.49	6.44	34.64	35.03	Average	202	358 HORIZONTAL
3	5864.38	66.89	68.20	-1.31	60.79	6.50	34.67	35.07	Peak	202	358 HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5253.27	109.98			104.58	6.20	34.20	35.00	Average	184	352 HORIZONTAL
2	5253.75	120.44			115.04	6.20	34.20	35.00	Peak	184	352 HORIZONTAL
3	5350.00	46.02	54.00	-7.98	40.40	6.26	34.36	35.00	Average	184	352 HORIZONTAL
4	5350.00	56.53	74.00	-17.47	50.91	6.26	34.36	35.00	Peak	184	352 HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5300.64	119.52			114.01	6.23	34.28	35.00	Peak	187	10 VERTICAL
2	5300.96	109.90			104.39	6.23	34.28	35.00	Average	187	10 VERTICAL
3	5350.00	48.40	54.00	-5.60	42.78	6.26	34.36	35.00	Average	187	10 VERTICAL
4	5350.64	61.48	74.00	-12.52	55.86	6.26	34.36	35.00	Peak	187	10 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5321.12	107.72			102.17	6.24	34.31	35.00	Average	163	3 VERTICAL
2	5321.44	117.90			112.35	6.24	34.31	35.00	Peak	163	3 VERTICAL
3	5350.00	52.83	54.00	-1.17	47.21	6.26	34.36	35.00	Average	163	3 VERTICAL
4	5350.00	68.17	74.00	-5.83	62.55	6.26	34.36	35.00	Peak	163	3 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5454.07	60.66	74.00	-13.34	54.80	6.33	34.52	34.99	Peak	187	352	HORIZONTAL
2	5460.00	47.05	54.00	-6.95	41.19	6.33	34.52	34.99	Average	187	352	HORIZONTAL
3	5470.00	52.98	54.00	-1.02	47.08	6.34	34.55	34.99	Average	187	352	HORIZONTAL
4	5470.00	64.18	74.00	-9.82	58.28	6.34	34.55	34.99	Peak	187	352	HORIZONTAL
5	5493.43	108.30			102.37	6.35	34.57	34.99	Average	187	352	HORIZONTAL
6	5493.75	119.29			113.36	6.35	34.57	34.99	Peak	187	352	HORIZONTAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.64	56.30	74.00	-17.70	50.44	6.33	34.52	34.99	Peak	200	347	HORIZONTAL
2	5460.00	45.74	54.00	-8.26	39.88	6.33	34.52	34.99	Average	200	347	HORIZONTAL
3	5468.56	56.85	74.00	-17.15	50.95	6.34	34.55	34.99	Peak	200	347	HORIZONTAL
4	5470.00	46.06	54.00	-7.94	40.16	6.34	34.55	34.99	Average	200	347	HORIZONTAL
5	5574.23	122.92			116.93	6.39	34.61	35.01	Peak	200	347	HORIZONTAL
6	5574.71	111.72			105.73	6.39	34.61	35.01	Average	200	347	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5702.56	107.56			101.51	6.44	34.64	35.03	Average	212	346	VERTICAL
2	5702.72	117.93			111.88	6.44	34.64	35.03	Peak	212	346	VERTICAL
3	5725.00	52.11	54.00	-1.89	46.05	6.45	34.64	35.03	Average	212	346	VERTICAL
4	5725.16	66.31	74.00	-7.69	60.25	6.45	34.64	35.03	Peak	212	346	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5119.62	44.49	54.00	-9.51	39.39	6.11	33.99	35.00	165	350	HORIZONTAL
2	5139.33	57.10	74.00	-16.90	51.97	6.12	34.01	35.00	165	350	HORIZONTAL
3	5253.75	119.27			113.87	6.20	34.20	35.00	165	350	HORIZONTAL
4	5254.23	108.38			102.98	6.20	34.20	35.00	165	350	HORIZONTAL
5	5350.00	45.01	54.00	-8.99	39.39	6.26	34.36	35.00	165	350	HORIZONTAL
6	5352.79	57.32	74.00	-16.68	51.70	6.26	34.36	35.00	165	350	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5293.27	108.97			103.46	6.23	34.28	35.00	186	351	HORIZONTAL
2	5293.59	120.40			114.89	6.23	34.28	35.00	186	351	HORIZONTAL
3	5350.00	47.48	54.00	-6.52	41.86	6.26	34.36	35.00	186	351	HORIZONTAL
4	5350.00	60.09	74.00	-13.91	54.47	6.26	34.36	35.00	186	351	HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5313.27	104.74			99.19	6.24	34.31	35.00	175	354	HORIZONTAL
2	5313.91	115.88			110.33	6.24	34.31	35.00	175	354	HORIZONTAL
3	5350.00	66.90	74.00	-7.10	61.28	6.26	34.36	35.00	175	354	HORIZONTAL
4	5351.41	52.68	54.00	-1.32	47.06	6.26	34.36	35.00	175	354	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5452.89	58.36	74.00	-15.64	52.50	6.33	34.52	34.99	Peak	210	351	HORIZONTAL
2	5453.53	46.49	54.00	-7.51	40.63	6.33	34.52	34.99	Average	210	351	HORIZONTAL
3	5470.00	66.56	68.20	-1.64	60.66	6.34	34.55	34.99	Peak	210	351	HORIZONTAL
4	5493.27	106.73			100.80	6.35	34.57	34.99	Average	210	351	HORIZONTAL
5	5493.59	117.62			111.69	6.35	34.57	34.99	Peak	210	351	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5413.33	44.60	54.00	-9.40	38.81	6.31	34.47	34.99	Average	208	348	HORIZONTAL
2	5453.72	56.69	74.00	-17.31	50.83	6.33	34.52	34.99	Peak	208	348	HORIZONTAL
3	5463.85	56.95	68.20	-11.25	51.05	6.34	34.55	34.99	Peak	208	348	HORIZONTAL
4	5573.59	121.31			115.32	6.39	34.61	35.01	Peak	208	348	HORIZONTAL
5	5574.87	110.92			104.93	6.39	34.61	35.01	Average	208	348	HORIZONTAL
6	5768.46	59.33	68.20	-8.87	53.27	6.46	34.65	35.05	Peak	208	348	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5701.76	115.01			108.96	6.44	34.64	35.03	Peak	214	348	VERTICAL
2	5702.24	103.64			97.59	6.44	34.64	35.03	Average	214	348	VERTICAL
3	5725.16	66.66	68.20	-1.54	60.60	6.45	34.64	35.03	Peak	214	348	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5271.92	105.14			99.70	6.21	34.23	35.00	Average	166	359
2	5271.92	114.36			108.92	6.21	34.23	35.00	Peak	166	359
3	5350.00	63.54	74.00	-10.46	57.92	6.26	34.36	35.00	Peak	166	359
4	5351.44	52.64	54.00	-1.36	47.02	6.26	34.36	35.00	Average	166	359

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5311.92	100.61			95.06	6.24	34.31	35.00	Average	180	357
2	5312.24	110.14			104.59	6.24	34.31	35.00	Peak	180	357
3	5351.60	64.47	74.00	-9.53	58.85	6.26	34.36	35.00	Peak	180	357
4	5353.21	52.38	54.00	-1.62	46.76	6.26	34.36	35.00	Average	180	357

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	47.81	54.00	-6.19	41.95	6.33	34.52	34.99	Average	202	351	HORIZONTAL
2	5460.00	59.26	74.00	-14.74	53.40	6.33	34.52	34.99	Peak	202	351	HORIZONTAL
3	5470.00	52.41	54.00	-1.59	46.51	6.34	34.55	34.99	Average	202	351	HORIZONTAL
4	5470.00	66.20	74.00	-7.80	60.30	6.34	34.55	34.99	Peak	202	351	HORIZONTAL
5	5502.63	112.47			106.51	6.36	34.60	35.00	Peak	202	351	HORIZONTAL
6	5502.95	100.87			94.91	6.36	34.60	35.00	Average	202	351	HORIZONTAL

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

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5450.87	48.64	54.00	-5.36	42.78	6.33	34.52	34.99	Average	196	2	VERTICAL
2	5451.35	61.33	74.00	-12.67	55.47	6.33	34.52	34.99	Peak	196	2	VERTICAL
3	5470.00	52.92	54.00	-1.08	47.02	6.34	34.55	34.99	Average	196	2	VERTICAL
4	5470.00	66.29	74.00	-7.71	60.39	6.34	34.55	34.99	Peak	196	2	VERTICAL
5	5551.44	105.78			99.79	6.38	34.61	35.00	Average	196	2	VERTICAL
6	5551.44	115.32			109.33	6.38	34.61	35.00	Peak	196	2	VERTICAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5662.95	105.57			99.55	6.42	34.63	35.03	Average	221	343	HORIZONTAL
2	5663.59	115.18			109.16	6.42	34.63	35.03	Peak	221	343	HORIZONTAL
3	5725.00	52.97	54.00	-1.03	46.91	6.45	34.64	35.03	Average	221	343	HORIZONTAL
4	5725.00	66.41	74.00	-7.59	60.35	6.45	34.64	35.03	Peak	221	343	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5254.90	95.81			90.41	6.20	34.20	35.00	Average	181	333 VERTICAL
2	5255.39	105.34			99.94	6.20	34.20	35.00	Peak	181	333 VERTICAL
3	5350.00	52.88	54.00	-1.12	47.26	6.26	34.36	35.00	Average	181	333 VERTICAL
4	5356.25	66.04	74.00	-7.96	60.42	6.26	34.36	35.00	Peak	181	333 VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5443.17	52.31	54.00	-1.69	46.49	6.32	34.49	34.99	Average	200	348 HORIZONTAL
2	5444.14	66.28	74.00	-7.72	60.46	6.32	34.49	34.99	Peak	200	348 HORIZONTAL
3	5463.27	52.97	54.00	-1.03	47.07	6.34	34.55	34.99	Average	200	348 HORIZONTAL
4	5463.75	65.73	74.00	-8.27	59.83	6.34	34.55	34.99	Peak	200	348 HORIZONTAL
5	5542.50	105.76			99.78	6.37	34.61	35.00	Peak	200	348 HORIZONTAL
6	5543.46	95.36			89.38	6.37	34.61	35.00	Average	200	348 HORIZONTAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.99	50.95	54.00	-3.05	45.09	6.33	34.52	34.99	Average	204	351 VERTICAL
2	5453.59	64.65	74.00	-9.35	58.79	6.33	34.52	34.99	Peak	204	351 VERTICAL
3	5470.00	63.37	68.20	-4.83	57.47	6.34	34.55	34.99	Peak	204	351 VERTICAL
4	5612.40	111.31			105.30	6.40	34.62	35.01	Peak	204	351 VERTICAL
5	5613.21	101.69			95.68	6.40	34.62	35.01	Average	204	351 VERTICAL
6	5733.01	66.69	68.20	-1.51	60.64	6.45	34.64	35.04	Peak	204	351 VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 27, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 144

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5713.59	111.89			105.84	6.44	34.64	35.03	Average	205	345	HORIZONTAL
2	5714.23	122.15			116.10	6.44	34.64	35.03	Peak	205	345	HORIZONTAL
3	5850.00	45.91	54.00	-8.09	39.81	6.49	34.67	35.06	Average	205	345	HORIZONTAL
4	5855.77	56.79	74.00	-17.21	50.68	6.50	34.67	35.06	Peak	205	345	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5713.59	110.79			104.74	6.44	34.64	35.03	Average	216	346 HORIZONTAL
2	5714.39	121.10			115.05	6.44	34.64	35.03	Peak	216	346 HORIZONTAL
3	5927.53	58.44	68.20	-9.76	52.31	6.52	34.69	35.08	Peak	216	346 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
			Line	Limit	Level	Loss	Factor	Factor	Remark		Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	5713.21	107.66			101.61	6.44	34.64	35.03	Average	233	341 VERTICAL
2	5714.01	117.45			111.40	6.44	34.64	35.03	Peak	233	341 VERTICAL
3	5854.81	58.52	74.00	-15.48	52.41	6.50	34.67	35.06	Peak	233	341 VERTICAL
4	5856.41	47.12	54.00	-6.88	41.01	6.50	34.67	35.06	Average	233	341 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 28, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5693.21	103.59			97.55	6.43	34.64	35.03	Average	215	344 VERTICAL
2	5693.21	112.97			106.93	6.43	34.64	35.03	Peak	215	344 VERTICAL
3	5854.01	66.91	68.20	-1.29	60.80	6.50	34.67	35.06	Peak	215	344 VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5142.69	58.09	74.00	-15.91	53.45	5.84	33.27	34.47	182	109	Peak	HORIZONTAL
2	5145.10	45.80	54.00	-8.20	41.16	5.84	33.27	34.47	182	109	Average	HORIZONTAL
3	5262.40	115.09			110.30	5.78	33.48	34.47	182	109	Average	HORIZONTAL
4	5262.89	124.92			120.13	5.78	33.48	34.47	182	109	Peak	HORIZONTAL
5	5361.92	59.12	74.00	-14.88	54.20	5.73	33.66	34.47	182	109	Peak	HORIZONTAL
6	5362.89	46.92	54.00	-7.08	42.00	5.73	33.66	34.47	182	109	Average	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5301.60	111.27			106.44	5.76	33.54	34.47	356	148	Average	HORIZONTAL
2	5301.92	121.10			116.27	5.76	33.54	34.47	356	148	Peak	HORIZONTAL
3	5350.00	59.87	74.00	-14.13	54.98	5.73	33.63	34.47	356	148	Peak	HORIZONTAL
4	5350.32	48.54	54.00	-5.46	43.65	5.73	33.63	34.47	356	148	Average	HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5317.12	121.73			116.88	5.75	33.57	34.47	205	168	Peak	VERTICAL
2	5317.76	111.45			106.60	5.75	33.57	34.47	205	168	Average	VERTICAL
3	5350.00	52.88	54.00	-1.12	47.99	5.73	33.63	34.47	205	168	Average	VERTICAL
4	5351.09	65.98	74.00	-8.02	61.09	5.73	33.63	34.47	205	168	Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5459.30	63.32	74.00	-10.68	58.30	5.68	33.81	34.47	179	118 Peak	HORIZONTAL
2	5459.62	49.83	54.00	-4.17	44.81	5.68	33.81	34.47	179	118 Average	HORIZONTAL
3	5470.00	66.90	68.20	-1.30	61.85	5.68	33.84	34.47	179	118 Peak	HORIZONTAL
4	5500.96	111.16			106.08	5.66	33.90	34.48	179	118 Average	HORIZONTAL
5	5501.28	121.26			116.18	5.66	33.90	34.48	179	118 Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5406.92	57.30	74.00	-16.70	52.34	5.71	33.72	34.47	183	186 Peak	VERTICAL
2	5439.78	45.53	54.00	-8.47	40.53	5.69	33.78	34.47	183	186 Average	VERTICAL
3	5459.58	56.86	74.00	-17.14	51.84	5.68	33.81	34.47	183	186 Peak	VERTICAL
4	5575.99	124.15			118.83	5.70	34.11	34.49	183	186 Peak	VERTICAL
5	5576.80	114.83			109.51	5.70	34.11	34.49	183	186 Average	VERTICAL
6	5778.72	59.74	68.20	-8.46	53.71	5.83	34.73	34.53	183	186 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5700.80	119.71			113.92	5.78	34.52	34.51	179	198 Peak	HORIZONTAL
2	5700.96	109.77			103.98	5.78	34.52	34.51	179	198 Average	HORIZONTAL
3	5725.00	66.90	68.20	-1.30	61.05	5.79	34.57	34.51	179	198 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5120.10	45.63	54.00	-8.37	41.04	5.85	33.21	34.47	190	165 Average	HORIZONTAL
2	5145.58	57.45	74.00	-16.55	52.81	5.84	33.27	34.47	190	165 Peak	HORIZONTAL
3	5251.83	113.67			108.91	5.78	33.45	34.47	190	165 Average	HORIZONTAL
4	5252.79	123.53			118.77	5.78	33.45	34.47	190	165 Peak	HORIZONTAL
5	5353.75	47.03	54.00	-6.97	42.14	5.73	33.63	34.47	190	165 Average	HORIZONTAL
6	5354.23	59.14	74.00	-14.86	54.25	5.73	33.63	34.47	190	165 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5297.44	113.83			109.00	5.76	33.54	34.47	3	216 Average	VERTICAL
2	5298.08	122.96			118.13	5.76	33.54	34.47	3	216 Peak	VERTICAL
3	5350.00	60.67	74.00	-13.33	55.78	5.73	33.63	34.47	3	216 Peak	VERTICAL
4	5350.00	49.47	54.00	-4.53	44.58	5.73	33.63	34.47	3	216 Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5321.60	121.11			116.26	5.75	33.57	34.47	179	127 Peak	HORIZONTAL
2	5322.40	110.12			105.27	5.75	33.57	34.47	179	127 Average	HORIZONTAL
3	5350.00	66.19	74.00	-7.81	61.30	5.73	33.63	34.47	179	127 Peak	HORIZONTAL
4	5350.00	52.87	54.00	-1.13	47.98	5.73	33.63	34.47	179	127 Average	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5459.62	62.67	74.00	-11.33	57.65	5.68	33.81	34.47	179	199 Peak	HORIZONTAL
2	5460.00	51.37	54.00	-2.63	46.35	5.68	33.81	34.47	179	199 Average	HORIZONTAL
3	5469.55	67.01	68.20	-1.19	61.96	5.68	33.84	34.47	179	199 Peak	HORIZONTAL
4	5501.28	121.09			116.01	5.66	33.90	34.48	179	199 Peak	HORIZONTAL
5	5501.60	111.36			106.28	5.66	33.90	34.48	179	199 Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5426.96	57.93	74.00	-16.07	52.95	5.70	33.75	34.47	179	205 Peak	HORIZONTAL
2	5433.37	45.45	54.00	-8.55	40.45	5.69	33.78	34.47	179	205 Average	HORIZONTAL
3	5465.61	56.30	68.20	-11.90	51.25	5.68	33.84	34.47	179	205 Peak	HORIZONTAL
4	5582.40	114.69			109.31	5.71	34.16	34.49	179	205 Average	HORIZONTAL
5	5583.21	124.67			119.29	5.71	34.16	34.49	179	205 Peak	HORIZONTAL
6	5737.85	58.50	68.20	-9.70	52.60	5.80	34.62	34.52	179	205 Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5704.97	117.81			112.02	5.78	34.52	34.51	174	180 Peak	VERTICAL
2	5705.45	107.17			101.38	5.78	34.52	34.51	174	180 Average	VERTICAL
3	5725.16	66.72	68.20	-1.48	60.87	5.79	34.57	34.51	174	180 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5266.15	121.52			116.73	5.78	33.48	34.47	204	179 Peak	VERTICAL
2	5266.64	111.95			107.16	5.78	33.48	34.47	204	179 Average	VERTICAL
3	5350.00	65.29	74.00	-8.71	60.40	5.73	33.63	34.47	204	179 Peak	VERTICAL
4	5350.00	52.57	54.00	-1.43	47.68	5.73	33.63	34.47	204	179 Average	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5308.40	102.84			98.01	5.76	33.54	34.47	166	198 Average	VERTICAL
2	5308.72	112.27			107.44	5.76	33.54	34.47	166	198 Peak	VERTICAL
3	5350.00	52.71	54.00	-1.29	47.82	5.73	33.63	34.47	166	198 Average	VERTICAL
4	5350.39	64.43	74.00	-9.57	59.54	5.73	33.63	34.47	166	198 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5460.00	63.09	74.00	-10.91	58.07	5.68	33.81	34.47	179	197 Peak	HORIZONTAL
2	5460.00	50.52	54.00	-3.48	45.50	5.68	33.81	34.47	179	197 Average	HORIZONTAL
3	5462.24	66.98	68.20	-1.22	61.96	5.68	33.81	34.47	179	197 Peak	HORIZONTAL
4	5511.28	115.07			109.99	5.66	33.90	34.48	179	197 Peak	HORIZONTAL
5	5511.60	105.29			100.21	5.66	33.90	34.48	179	197 Average	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5456.25	65.50	74.00	-8.50	60.48	5.68	33.81	34.47	176	184 Peak	VERTICAL
2	5458.17	50.96	54.00	-3.04	45.94	5.68	33.81	34.47	176	184 Average	VERTICAL
3	5470.00	66.83	68.20	-1.37	61.78	5.68	33.84	34.47	176	184 Peak	VERTICAL
4	5556.73	108.80			103.54	5.69	34.06	34.49	176	184 Average	VERTICAL
5	5557.21	119.04			113.78	5.69	34.06	34.49	176	184 Peak	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5664.71	118.20			112.59	5.75	34.37	34.51	182	181 Peak	VERTICAL
2	5664.71	107.41			101.80	5.75	34.37	34.51	182	181 Average	VERTICAL
3	5725.00	66.88	68.20	-1.32	61.03	5.79	34.57	34.51	182	181 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5098.49	56.06	74.00	-17.94	51.49	5.86	33.18	34.47	344	216 Peak	VERTICAL
2	5119.33	44.67	54.00	-9.33	40.08	5.85	33.21	34.47	344	216 Average	VERTICAL
3	5287.60	97.59			92.78	5.77	33.51	34.47	344	216 Average	VERTICAL
4	5308.43	108.71			103.88	5.76	33.54	34.47	344	216 Peak	VERTICAL
5	5350.00	52.85	54.00	-1.15	47.96	5.73	33.63	34.47	344	216 Average	VERTICAL
6	5355.71	66.33	74.00	-7.67	61.44	5.73	33.63	34.47	344	216 Peak	VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5457.08	66.21	74.00	-7.79	61.19	5.68	33.81	34.47	353	194 Peak	VERTICAL
2	5457.89	52.98	54.00	-1.02	47.96	5.68	33.81	34.47	353	194 Average	VERTICAL
3	5465.99	48.63	54.00	-5.37	43.58	5.68	33.84	34.47	353	194 Average	VERTICAL
4	5470.00	60.30	74.00	-13.70	55.25	5.68	33.84	34.47	353	194 Peak	VERTICAL
5	5517.18	95.72			90.58	5.67	33.95	34.48	353	194 Average	VERTICAL
6	5557.24	106.58			101.32	5.69	34.06	34.49	353	194 Peak	VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5453.75	66.00	74.00	-8.00	60.98	5.68	33.81	34.47	13	142 Peak	VERTICAL
2	5454.55	52.31	54.00	-1.69	47.29	5.68	33.81	34.47	13	142 Average	VERTICAL
3	5470.00	62.93	74.00	-11.07	57.88	5.68	33.84	34.47	13	142 Peak	VERTICAL
4	5470.00	50.36	54.00	-3.64	45.31	5.68	33.84	34.47	13	142 Average	VERTICAL
5	5594.78	103.17			97.79	5.71	34.16	34.49	13	142 Average	VERTICAL
6	5595.58	113.13			107.75	5.71	34.16	34.49	13	142 Peak	VERTICAL
7	5735.80	64.01	74.00	-9.99	58.11	5.80	34.62	34.52	13	142 Peak	VERTICAL
8	5735.80	52.69	54.00	-1.31	46.79	5.80	34.62	34.52	13	142 Average	VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5720.80	122.80			116.95	5.79	34.57	34.51	178	187 Peak	HORIZONTAL
2	5720.80	113.53			107.68	5.79	34.57	34.51	178	187 Average	HORIZONTAL
3	5889.07	58.89	68.20	-9.31	52.45	5.90	35.09	34.55	178	187 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 29, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5711.99	121.16			115.37	5.78	34.52	34.51	171	183 Peak	HORIZONTAL
2	5711.99	112.54			106.75	5.78	34.52	34.51	171	183 Average	HORIZONTAL
3	5957.98	58.95	68.20	-9.25	52.27	5.94	35.30	34.56	171	183 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5714.81	111.87			106.08	5.78	34.52	34.51	173	190 Average	VERTICAL
2	5715.61	121.56			115.77	5.78	34.52	34.51	173	190 Peak	VERTICAL
3	5857.44	59.25	68.20	-8.95	52.92	5.88	34.99	34.54	173	190 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 30, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preampl	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5696.41	115.99			110.26	5.77	34.47	34.51	12	161 Peak	VERTICAL
2	5696.41	104.91			99.18	5.77	34.47	34.51	12	161 Average	VERTICAL
3	5855.06	67.19	68.20	-1.01	60.86	5.88	34.99	34.54	12	161 Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5127.00	59.13	74.00	-14.87	54.00	6.12	34.01	35.00	Peak	114	195	VERTICAL
2	5150.00	45.35	54.00	-8.65	40.18	6.13	34.04	35.00	Average	114	195	VERTICAL
3	5256.50	106.59			101.19	6.20	34.20	35.00	Average	114	195	VERTICAL
4	5257.00	118.87			113.47	6.20	34.20	35.00	Peak	114	195	VERTICAL
5	5350.00	46.30	54.00	-7.70	40.68	6.26	34.36	35.00	Average	114	195	VERTICAL
6	5350.50	59.24	74.00	-14.76	53.62	6.26	34.36	35.00	Peak	114	195	VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5301.00	104.47			98.96	6.23	34.28	35.00	Average	100	181 VERTICAL
2	5307.33	117.08			111.57	6.23	34.28	35.00	Peak	100	181 VERTICAL
3	5350.00	52.41	54.00	-1.59	46.79	6.26	34.36	35.00	Average	100	181 VERTICAL
4	5354.33	65.76	74.00	-8.24	60.14	6.26	34.36	35.00	Peak	100	181 VERTICAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5316.67	104.91			99.36	6.24	34.31	35.00	Average	245	174	HORIZONTAL
2	5316.67	117.39			111.84	6.24	34.31	35.00	Peak	245	174	HORIZONTAL
3	5350.00	52.96	54.00	-1.04	47.34	6.26	34.36	35.00	Average	245	174	HORIZONTAL
4	5350.00	67.65	74.00	-6.35	62.03	6.26	34.36	35.00	Peak	245	174	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	49.72	54.00	-4.28	43.86	6.33	34.52	34.99	Average	100	183	VERTICAL
2	5460.00	64.01	74.00	-9.99	58.15	6.33	34.52	34.99	Peak	100	183	VERTICAL
3	5467.00	67.83	74.00	-6.17	61.93	6.34	34.55	34.99	Peak	100	183	VERTICAL
4	5467.67	52.32	54.00	-1.68	46.42	6.34	34.55	34.99	Average	100	183	VERTICAL
5	5501.00	103.92			97.96	6.36	34.60	35.00	Average	100	183	VERTICAL
6	5501.00	115.83			109.87	6.36	34.60	35.00	Peak	100	183	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5456.00	58.30	74.00	-15.70	52.44	6.33	34.52	34.99	Peak	164	180	VERTICAL
2	5460.00	46.01	54.00	-7.99	40.15	6.33	34.52	34.99	Average	164	180	VERTICAL
3	5466.00	58.47	74.00	-15.53	52.57	6.34	34.55	34.99	Peak	164	180	VERTICAL
4	5470.00	46.09	54.00	-7.91	40.19	6.34	34.55	34.99	Average	164	180	VERTICAL
5	5573.33	107.90			101.91	6.39	34.61	35.01	Average	164	180	VERTICAL
6	5573.33	119.63			113.64	6.39	34.61	35.01	Peak	164	180	VERTICAL
7	5725.00	45.91	54.00	-8.09	39.85	6.45	34.64	35.03	Average	164	180	VERTICAL
8	5727.00	59.12	74.00	-14.88	53.06	6.45	34.64	35.03	Peak	164	180	VERTICAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5693.00	114.89			108.85	6.43	34.64	35.03	Peak	114	180	VERTICAL
2	5693.33	102.72			96.68	6.43	34.64	35.03	Average	114	180	VERTICAL
3	5727.67	52.87	54.00	-1.13	46.81	6.45	34.64	35.03	Average	114	180	VERTICAL
4	5727.67	68.28	74.00	-5.72	62.22	6.45	34.64	35.03	Peak	114	180	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 52

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5125.00	58.00	74.00	-16.00	52.87	6.12	34.01	35.00	Peak	247	174 HORIZONTAL
2	5150.00	45.19	54.00	-8.81	40.02	6.13	34.04	35.00	Average	247	174 HORIZONTAL
3	5257.00	110.16			104.76	6.20	34.20	35.00	Average	247	174 HORIZONTAL
4	5257.00	120.43			115.03	6.20	34.20	35.00	Peak	247	174 HORIZONTAL
5	5350.00	46.30	54.00	-7.70	40.68	6.26	34.36	35.00	Average	247	174 HORIZONTAL
6	5357.00	57.65	74.00	-16.35	52.03	6.26	34.36	35.00	Peak	247	174 HORIZONTAL

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

Channel 60

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5296.00	119.36			113.85	6.23	34.28	35.00	Peak	242	174 HORIZONTAL
2	5297.33	109.59			104.08	6.23	34.28	35.00	Average	242	174 HORIZONTAL
3	5350.00	52.62	54.00	-1.38	47.00	6.26	34.36	35.00	Average	242	174 HORIZONTAL
4	5350.00	66.88	74.00	-7.12	61.26	6.26	34.36	35.00	Peak	242	174 HORIZONTAL

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

Channel 64

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5316.83	116.66			111.11	6.24	34.31	35.00	Peak	248	173 HORIZONTAL
2	5317.33	106.08			100.53	6.24	34.31	35.00	Average	248	173 HORIZONTAL
3	5350.00	52.61	54.00	-1.39	46.99	6.26	34.36	35.00	Average	248	173 HORIZONTAL
4	5350.33	67.12	74.00	-6.88	61.50	6.26	34.36	35.00	Peak	248	173 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.67	66.79	74.00	-7.21	60.93	6.33	34.52	34.99	Peak	232	170	HORIZONTAL
2	5457.33	52.85	54.00	-1.15	46.99	6.33	34.52	34.99	Average	232	170	HORIZONTAL
3	5470.00	65.33	68.20	-2.87	59.43	6.34	34.55	34.99	Peak	232	170	HORIZONTAL
4	5496.33	116.64			110.71	6.35	34.57	34.99	Peak	232	170	HORIZONTAL
5	5497.33	106.31			100.34	6.36	34.60	34.99	Average	232	170	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5408.00	59.05	74.00	-14.95	53.31	6.29	34.44	34.99	Peak	261	171	HORIZONTAL
2	5428.00	46.67	54.00	-7.33	40.88	6.31	34.47	34.99	Average	261	171	HORIZONTAL
3	5466.00	59.42	68.20	-8.78	53.52	6.34	34.55	34.99	Peak	261	171	HORIZONTAL
4	5574.67	108.12			102.13	6.39	34.61	35.01	Average	261	171	HORIZONTAL
5	5576.00	118.22			112.23	6.39	34.61	35.01	Peak	261	171	HORIZONTAL
6	5757.33	59.08	68.20	-9.12	53.02	6.46	34.65	35.05	Peak	261	171	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5693.17	102.49			96.45	6.43	34.64	35.03	Average	106	180	VERTICAL
2	5693.67	113.89			107.85	6.43	34.64	35.03	Peak	106	180	VERTICAL
3	5725.17	66.85	68.20	-1.35	60.79	6.45	34.64	35.03	Peak	106	180	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5265.83	116.62			111.18	6.21	34.23	35.00	Peak	246	173 HORIZONTAL
2	5266.67	106.24			100.80	6.21	34.23	35.00	Average	246	173 HORIZONTAL
3	5350.00	52.17	54.00	-1.83	46.55	6.26	34.36	35.00	Average	246	173 HORIZONTAL
4	5350.00	63.42	74.00	-10.58	57.80	6.26	34.36	35.00	Peak	246	173 HORIZONTAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5303.40	107.54			102.03	6.23	34.28	35.00	Peak	184	7 VERTICAL
2	5304.00	96.92			91.41	6.23	34.28	35.00	Average	184	7 VERTICAL
3	5350.00	52.70	54.00	-1.30	47.08	6.26	34.36	35.00	Average	184	7 VERTICAL
4	5352.00	64.53	74.00	-9.47	58.91	6.26	34.36	35.00	Peak	184	7 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 102

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5446.00	47.63	54.00	-6.37	41.77	6.33	34.52	34.99	Average	250	167	HORIZONTAL
2	5447.00	59.34	74.00	-14.66	53.48	6.33	34.52	34.99	Peak	250	167	HORIZONTAL
3	5468.50	66.92	68.20	-1.28	61.02	6.34	34.55	34.99	Peak	250	167	HORIZONTAL
4	5506.00	107.17			101.21	6.36	34.60	35.00	Peak	250	167	HORIZONTAL
5	5507.00	96.99			91.03	6.36	34.60	35.00	Average	250	167	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5444.00	63.62	74.00	-10.38	57.80	6.32	34.49	34.99	Peak	231	171	HORIZONTAL
2	5446.00	51.72	54.00	-2.28	45.86	6.33	34.52	34.99	Average	231	171	HORIZONTAL
3	5466.00	64.33	68.20	-3.87	58.43	6.34	34.55	34.99	Peak	231	171	HORIZONTAL
4	5546.67	105.40			99.42	6.37	34.61	35.00	Average	231	171	HORIZONTAL
5	5547.33	115.24			109.26	6.37	34.61	35.00	Peak	231	171	HORIZONTAL

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

Channel 134

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5663.50	101.23			95.21	6.42	34.63	35.03	Average	250	168	HORIZONTAL
2	5665.00	111.78			105.76	6.42	34.63	35.03	Peak	250	168	HORIZONTAL
3	5725.50	66.61	68.20	-1.59	60.55	6.45	34.64	35.03	Peak	250	168	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 58

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.50	58.41	74.00	-15.59	53.24	6.13	34.04	35.00	Peak	252	173	HORIZONTAL
2	5150.00	45.54	54.00	-8.46	40.37	6.13	34.04	35.00	Average	252	173	HORIZONTAL
3	5265.83	94.63			89.19	6.21	34.23	35.00	Average	252	173	HORIZONTAL
4	5266.67	105.80			100.36	6.21	34.23	35.00	Peak	252	173	HORIZONTAL
5	5350.00	52.62	54.00	-1.38	47.00	6.26	34.36	35.00	Average	252	173	HORIZONTAL
6	5369.17	64.44	74.00	-9.56	58.78	6.27	34.39	35.00	Peak	252	173	HORIZONTAL

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

Channel 106

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5445.00	52.69	54.00	-1.31	46.87	6.32	34.49	34.99	Average	248	170	HORIZONTAL
2	5446.67	65.25	74.00	-8.75	59.39	6.33	34.52	34.99	Peak	248	170	HORIZONTAL
3	5465.83	63.18	68.20	-5.02	57.28	6.34	34.55	34.99	Peak	248	170	HORIZONTAL
4	5526.67	91.75			85.78	6.37	34.60	35.00	Average	248	170	HORIZONTAL
5	5546.67	102.24			96.26	6.37	34.61	35.00	Peak	248	170	HORIZONTAL

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

Channel 122

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5455.83	50.99	54.00	-3.01	45.13	6.33	34.52	34.99	Average	241	157	HORIZONTAL
2	5455.83	65.60	74.00	-8.40	59.74	6.33	34.52	34.99	Peak	241	157	HORIZONTAL
3	5470.00	62.22	68.20	-5.98	56.32	6.34	34.55	34.99	Peak	241	157	HORIZONTAL
4	5595.83	108.37			102.37	6.39	34.62	35.01	Peak	241	157	HORIZONTAL
5	5615.83	97.44			91.42	6.41	34.62	35.01	Average	241	157	HORIZONTAL
6	5735.83	67.04	68.20	-1.16	60.98	6.45	34.65	35.04	Peak	241	157	HORIZONTAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5715.00	106.70			100.65	6.44	34.64	35.03	Average	253	168 HORIZONTAL
2	5715.00	118.54			112.49	6.44	34.64	35.03	Peak	253	168 HORIZONTAL
3	5852.00	58.64	68.20	-9.56	52.54	6.49	34.67	35.06	Peak	253	168 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5712.67	106.16			100.11	6.44	34.64	35.03	Average	103	178 VERTICAL
2	5714.00	117.08			111.03	6.44	34.64	35.03	Peak	103	178 VERTICAL
3	5868.00	59.25	68.20	-8.95	53.15	6.50	34.67	35.07	Peak	103	178 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5704.17	104.82			98.77	6.44	34.64	35.03	Average	256	168 HORIZONTAL
2	5705.00	115.46			109.41	6.44	34.64	35.03	Peak	256	168 HORIZONTAL
3	5861.00	59.26	68.20	-8.94	53.16	6.50	34.67	35.07	Peak	256	168 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 31, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5701.67	98.75			92.70	6.44	34.64	35.03	Average	102	174 VERTICAL
2	5702.50	109.70			103.65	6.44	34.64	35.03	Peak	102	174 VERTICAL
3	5855.00	66.94	68.20	-1.26	60.83	6.50	34.67	35.06	Peak	102	174 VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5134.60	61.46	74.00	-12.54	56.85	5.84	33.24	34.47	358	189 Peak	HORIZONTAL
2	5137.00	48.71	54.00	-5.29	44.10	5.84	33.24	34.47	358	189 Average	HORIZONTAL
3	5263.00	124.99			120.20	5.78	33.48	34.47	358	189 Peak	HORIZONTAL
4	5263.00	114.68			109.89	5.78	33.48	34.47	358	189 Average	HORIZONTAL
5	5363.20	49.90	54.00	-4.10	44.98	5.73	33.66	34.47	358	189 Average	HORIZONTAL
6	5392.00	61.88	74.00	-12.12	56.94	5.72	33.69	34.47	358	189 Peak	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5292.80	124.64			119.81	5.76	33.54	34.47	358	187 Peak	VERTICAL
2	5293.20	114.82			109.99	5.76	33.54	34.47	358	187 Average	VERTICAL
3	5350.00	64.20	74.00	-9.80	59.31	5.73	33.63	34.47	358	187 Peak	VERTICAL
4	5350.00	52.59	54.00	-1.41	47.70	5.73	33.63	34.47	358	187 Average	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5312.80	119.25			114.40	5.75	33.57	34.47	357	188 Peak	VERTICAL
2	5313.20	109.48			104.63	5.75	33.57	34.47	357	188 Average	VERTICAL
3	5350.00	51.81	54.00	-2.19	46.92	5.73	33.63	34.47	357	188 Average	VERTICAL
4	5350.80	63.32	74.00	-10.68	58.43	5.73	33.63	34.47	357	188 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5438.80	63.12	74.00	-10.88	58.12	5.69	33.78	34.47	356	177 Peak	VERTICAL
2	5447.60	50.22	54.00	-3.78	45.20	5.68	33.81	34.47	356	177 Average	VERTICAL
3	5470.00	66.25	68.20	-1.95	61.20	5.68	33.84	34.47	356	177 Peak	VERTICAL
4	5492.80	109.67			104.60	5.67	33.87	34.47	356	177 Average	VERTICAL
5	5493.20	119.78			114.71	5.67	33.87	34.47	356	177 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5455.80	49.29	54.00	-4.71	44.27	5.68	33.81	34.47	356	184 Average	VERTICAL
2	5459.40	60.99	74.00	-13.01	55.97	5.68	33.81	34.47	356	184 Peak	VERTICAL
3	5461.80	60.06	68.20	-8.14	55.04	5.68	33.81	34.47	356	184 Peak	VERTICAL
4	5572.80	113.84			108.52	5.70	34.11	34.49	356	184 Average	VERTICAL
5	5573.40	123.60			118.28	5.70	34.11	34.49	356	184 Peak	VERTICAL
6	5725.00	62.36	68.20	-5.84	56.51	5.79	34.57	34.51	356	184 Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5702.00	118.58			112.79	5.78	34.52	34.51	353	185 Peak	HORIZONTAL
2	5702.20	108.03			102.24	5.78	34.52	34.51	353	185 Average	HORIZONTAL
3	5726.20	67.08	68.20	-1.12	61.23	5.79	34.57	34.51	353	185 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5122.60	49.36	54.00	-4.64	44.75	5.84	33.24	34.47	357	187 Average	HORIZONTAL
2	5128.60	62.04	74.00	-11.96	57.43	5.84	33.24	34.47	357	187 Peak	HORIZONTAL
3	5263.00	125.06			120.27	5.78	33.48	34.47	357	187 Peak	HORIZONTAL
4	5263.00	115.48			110.69	5.78	33.48	34.47	357	187 Average	HORIZONTAL
5	5360.20	62.09	74.00	-11.91	57.20	5.73	33.63	34.47	357	187 Peak	HORIZONTAL
6	5360.80	50.40	54.00	-3.60	45.48	5.73	33.66	34.47	357	187 Average	HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5293.20	114.47			109.64	5.76	33.54	34.47	356	192 Average	VERTICAL
2	5294.00	124.36			119.53	5.76	33.54	34.47	356	192 Peak	VERTICAL
3	5350.80	52.94	54.00	-1.06	48.05	5.73	33.63	34.47	356	192 Average	VERTICAL
4	5351.20	64.62	74.00	-9.38	59.73	5.73	33.63	34.47	356	192 Peak	VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5313.20	120.27			115.42	5.75	33.57	34.47	1	192 Peak	VERTICAL
2	5313.20	109.78			104.93	5.75	33.57	34.47	1	192 Average	VERTICAL
3	5350.80	64.13	74.00	-9.87	59.24	5.73	33.63	34.47	1	192 Peak	VERTICAL
4	5351.60	52.71	54.00	-1.29	47.82	5.73	33.63	34.47	1	192 Average	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5445.20	62.82	74.00	-11.18	57.82	5.69	33.78	34.47	353	188	Peak	VERTICAL
2	5452.80	50.33	54.00	-3.67	45.31	5.68	33.81	34.47	353	188	Average	VERTICAL
3	5468.40	65.41	74.00	-8.59	60.36	5.68	33.84	34.47	353	188	Peak	VERTICAL
4	5470.00	52.74	54.00	-1.26	47.69	5.68	33.84	34.47	353	188	Average	VERTICAL
5	5493.20	108.98			103.91	5.67	33.87	34.47	353	188	Average	VERTICAL
6	5493.60	120.63			115.56	5.67	33.87	34.47	353	188	Peak	VERTICAL

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

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5455.20	62.77	74.00	-11.23	57.75	5.68	33.81	34.47	357	175	Peak	HORIZONTAL
2	5460.00	49.60	54.00	-4.40	44.58	5.68	33.81	34.47	357	175	Average	HORIZONTAL
3	5465.20	61.08	74.00	-12.92	56.03	5.68	33.84	34.47	357	175	Peak	HORIZONTAL
4	5470.00	49.66	54.00	-4.34	44.61	5.68	33.84	34.47	357	175	Average	HORIZONTAL
5	5583.20	125.60			120.22	5.71	34.16	34.49	357	175	Peak	HORIZONTAL
6	5583.20	115.33			109.95	5.71	34.16	34.49	357	175	Average	HORIZONTAL
7	5725.00	49.97	54.00	-4.03	44.12	5.79	34.57	34.51	357	175	Average	HORIZONTAL
8	5734.60	63.30	74.00	-10.70	57.40	5.80	34.62	34.52	357	175	Peak	HORIZONTAL

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

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5701.60	118.29			112.50	5.78	34.52	34.51	356	177	Peak	HORIZONTAL
2	5701.60	107.13			101.34	5.78	34.52	34.51	356	177	Average	HORIZONTAL
3	5725.60	67.19	68.20	-1.01	61.34	5.79	34.57	34.51	356	177	Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5262.20	121.06			116.27	5.78	33.48	34.47	357	187 Peak	VERTICAL
2	5262.80	110.85			106.06	5.78	33.48	34.47	357	187 Average	VERTICAL
3	5350.00	52.74	54.00	-1.26	47.85	5.73	33.63	34.47	357	187 Average	VERTICAL
4	5352.20	65.23	74.00	-8.77	60.34	5.73	33.63	34.47	357	187 Peak	VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5312.80	103.21			98.36	5.75	33.57	34.47	359	198 Average	VERTICAL
2	5313.60	113.15			108.30	5.75	33.57	34.47	359	198 Peak	VERTICAL
3	5351.20	52.96	54.00	-1.04	48.07	5.73	33.63	34.47	359	198 Average	VERTICAL
4	5351.60	65.45	74.00	-8.55	60.56	5.73	33.63	34.47	359	198 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5459.20	64.53	74.00	-9.47	59.51	5.68	33.81	34.47	356	194 Peak	VERTICAL
2	5460.00	51.75	54.00	-2.25	46.73	5.68	33.81	34.47	356	194 Average	VERTICAL
3	5464.00	52.88	54.00	-1.12	47.83	5.68	33.84	34.47	356	194 Average	VERTICAL
4	5464.80	65.07	74.00	-8.93	60.02	5.68	33.84	34.47	356	194 Peak	VERTICAL
5	5502.80	114.59			109.51	5.66	33.90	34.48	356	194 Peak	VERTICAL
6	5502.80	104.72			99.64	5.66	33.90	34.48	356	194 Average	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5453.40	64.46	74.00	-9.54	59.44	5.68	33.81	34.47	359	190 Peak	HORIZONTAL
2	5460.00	51.49	54.00	-2.51	46.47	5.68	33.81	34.47	359	190 Average	HORIZONTAL
3	5470.00	64.55	74.00	-9.45	59.50	5.68	33.84	34.47	359	190 Peak	HORIZONTAL
4	5470.00	52.95	54.00	-1.05	47.90	5.68	33.84	34.47	359	190 Average	HORIZONTAL
5	5552.40	119.26			114.00	5.69	34.06	34.49	359	190 Peak	HORIZONTAL
6	5553.00	110.00			104.74	5.69	34.06	34.49	359	190 Average	HORIZONTAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5671.60	117.83			112.16	5.76	34.42	34.51	356	178 Peak	HORIZONTAL
2	5671.60	108.06			102.39	5.76	34.42	34.51	356	178 Average	HORIZONTAL
3	5732.40	67.10	68.20	-1.10	61.26	5.79	34.57	34.52	356	178 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015 ~ Nov. 09, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5265.96	92.91			87.47	6.21	34.23	35.00	Average	179	352 VERTICAL
2	5265.96	103.00			97.56	6.21	34.23	35.00	Peak	179	352 VERTICAL
3	5350.00	52.79	54.00	-1.21	47.17	6.26	34.36	35.00	Average	179	352 VERTICAL
4	5350.48	64.02	74.00	-9.98	58.40	6.26	34.36	35.00	Peak	179	352 VERTICAL

Item 1, 2 are the fundamental frequency at 5290 MHz.

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.00	52.57	54.00	-1.43	46.71	6.33	34.52	34.99	Average	176	0 HORIZONTAL
2	5451.00	66.02	74.00	-7.98	60.16	6.33	34.52	34.99	Peak	176	0 HORIZONTAL
3	5470.00	65.22	68.20	-2.98	59.32	6.34	34.55	34.99	Peak	176	0 HORIZONTAL
4	5532.00	94.64			88.66	6.37	34.61	35.00	Average	176	0 HORIZONTAL
5	5532.00	104.61			98.63	6.37	34.61	35.00	Peak	176	0 HORIZONTAL
6	5743.00	56.05	68.20	-12.15	49.99	6.45	34.65	35.04	Peak	176	0 HORIZONTAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5453.00	65.60	74.00	-8.40	60.58	5.68	33.81	34.47	354	166 Peak	HORIZONTAL
2	5453.00	65.20	74.00	-8.80	60.18	5.68	33.81	34.47	354	166 Peak	HORIZONTAL
3	5454.00	52.44	54.00	-1.56	47.42	5.68	33.81	34.47	354	166 Average	HORIZONTAL
4	5593.00	113.05			107.67	5.71	34.16	34.49	354	166 Peak	HORIZONTAL
5	5614.00	103.54			98.11	5.72	34.21	34.50	354	166 Average	HORIZONTAL
6	5735.00	65.66	68.20	-2.54	59.76	5.80	34.62	34.52	354	166 Peak	HORIZONTAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5713.00	121.85			116.06	5.78	34.52	34.51	348	183 Peak	VERTICAL
2	5713.00	112.67			106.88	5.78	34.52	34.51	348	183 Average	VERTICAL
3	5926.00	62.68	68.20	-5.52	56.13	5.92	35.19	34.56	348	183 Peak	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5722.40	123.62			117.77	5.79	34.57	34.51	356	179 Peak	HORIZONTAL
2	5722.40	113.79			107.94	5.79	34.57	34.51	356	179 Average	HORIZONTAL
3	5850.00	50.26	54.00	-3.74	44.00	5.87	34.93	34.54	356	179 Average	HORIZONTAL
4	5856.40	63.97	74.00	-10.03	57.64	5.88	34.99	34.54	356	179 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5711.60	121.35			115.56	5.78	34.52	34.51	357	189 Peak	HORIZONTAL
2	5711.60	111.25			105.46	5.78	34.52	34.51	357	189 Average	HORIZONTAL
3	5860.40	65.84	68.20	-2.36	59.51	5.88	34.99	34.54	357	189 Peak	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 22, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	5671.00	116.53			110.86	5.76	34.42	34.51	0	183 Peak	HORIZONTAL
2	5671.00	106.33			100.66	5.76	34.42	34.51	0	183 Average	HORIZONTAL
3	5852.00	66.85	68.20	-1.35	60.59	5.87	34.93	34.54	0	183 Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5133.23	59.38	74.00	-14.62	54.25	6.12	34.01	35.00	Peak	202	314 VERTICAL
2	5135.40	46.90	54.00	-7.10	41.77	6.12	34.01	35.00	Average	202	314 VERTICAL
3	5257.83	111.43			106.03	6.20	34.20	35.00	Average	202	314 VERTICAL
4	5258.70	121.66			116.22	6.21	34.23	35.00	Peak	202	314 VERTICAL
5	5353.91	60.26	74.00	-13.74	54.64	6.26	34.36	35.00	Peak	202	314 VERTICAL
6	5356.95	48.18	54.00	-5.82	42.56	6.26	34.36	35.00	Average	202	314 VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5302.60	112.66			107.15	6.23	34.28	35.00	Average	207	17 VERTICAL
2	5303.18	122.68			117.17	6.23	34.28	35.00	Peak	207	17 VERTICAL
3	5350.00	51.06	54.00	-2.94	45.44	6.26	34.36	35.00	Average	207	17 VERTICAL
4	5351.81	62.28	74.00	-11.72	56.66	6.26	34.36	35.00	Peak	207	17 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5322.32	110.15			104.60	6.24	34.31	35.00	Average	218	284 VERTICAL
2	5322.60	120.48			114.93	6.24	34.31	35.00	Peak	218	284 VERTICAL
3	5350.00	52.60	54.00	-1.40	46.98	6.26	34.36	35.00	Average	218	284 VERTICAL
4	5350.00	66.31	74.00	-7.69	60.69	6.26	34.36	35.00	Peak	218	284 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5460.00	50.83	54.00	-3.17	44.97	6.33	34.52	34.99	Average	200	192 VERTICAL
2	5460.00	64.70	74.00	-9.30	58.84	6.33	34.52	34.99	Peak	200	192 VERTICAL
3	5463.53	67.07	68.20	-1.13	61.17	6.34	34.55	34.99	Peak	200	192 VERTICAL
4	5502.32	111.40			105.44	6.36	34.60	35.00	Average	200	192 VERTICAL
5	5502.60	121.80			115.84	6.36	34.60	35.00	Peak	200	192 VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5444.11	60.15	74.00	-13.85	54.33	6.32	34.49	34.99	Peak	199	308 VERTICAL
2	5452.79	47.62	54.00	-6.38	41.76	6.33	34.52	34.99	Average	199	308 VERTICAL
3	5462.17	59.93	68.20	-8.27	54.07	6.33	34.52	34.99	Peak	199	308 VERTICAL
4	5582.60	112.62			106.62	6.39	34.62	35.01	Average	199	308 VERTICAL
5	5583.04	122.85			116.85	6.39	34.62	35.01	Peak	199	308 VERTICAL
6	5727.60	60.35	68.20	-7.85	54.29	6.45	34.64	35.03	Peak	199	308 VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5705.21	108.88			102.83	6.44	34.64	35.03	Average	206	136 VERTICAL
2	5705.79	119.43			113.38	6.44	34.64	35.03	Peak	206	136 VERTICAL
3	5726.63	66.39	68.20	-1.81	60.33	6.45	34.64	35.03	Peak	206	136 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	dB	cm	deg
1	5112.39	46.56	54.00	-7.44	41.47	6.11	33.99	35.00	Average	208	28 VERTICAL
2	5122.37	58.68	74.00	-15.32	53.58	6.11	33.99	35.00	Peak	208	28 VERTICAL
3	5251.75	111.30			105.90	6.20	34.20	35.00	Average	208	28 VERTICAL
4	5253.05	120.43			115.03	6.20	34.20	35.00	Peak	208	28 VERTICAL
5	5350.43	47.93	54.00	-6.07	42.31	6.26	34.36	35.00	Average	208	28 VERTICAL
6	5351.74	60.02	74.00	-13.98	54.40	6.26	34.36	35.00	Peak	208	28 VERTICAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	dB	cm	deg
1	5301.74	123.01			117.50	6.23	34.28	35.00	Peak	211	284 VERTICAL
2	5302.60	112.52			107.01	6.23	34.28	35.00	Average	211	284 VERTICAL
3	5350.00	51.77	54.00	-2.23	46.15	6.26	34.36	35.00	Average	211	284 VERTICAL
4	5350.00	63.78	74.00	-10.22	58.16	6.26	34.36	35.00	Peak	211	284 VERTICAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	dB	cm	deg
1	5321.88	120.61			115.06	6.24	34.31	35.00	Peak	206	284 VERTICAL
2	5322.75	109.83			104.28	6.24	34.31	35.00	Average	206	284 VERTICAL
3	5350.00	52.93	54.00	-1.07	47.31	6.26	34.36	35.00	Average	206	284 VERTICAL
4	5350.25	66.15	74.00	-7.85	60.53	6.26	34.36	35.00	Peak	206	284 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 100

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5460.00	50.18	54.00	-3.82	44.32	6.33	34.52	34.99	Average	211	194	VERTICAL
2	5460.00	64.61	74.00	-9.39	58.75	6.33	34.52	34.99	Peak	211	194	VERTICAL
3	5463.53	66.66	68.20	-1.54	60.76	6.34	34.55	34.99	Peak	211	194	VERTICAL
4	5501.74	121.89			115.93	6.36	34.60	35.00	Peak	211	194	VERTICAL
5	5502.03	109.84			103.88	6.36	34.60	35.00	Average	211	194	VERTICAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

Channel 116

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5394.04	60.60	74.00	-13.40	54.90	6.28	34.41	34.99	Peak	217	308	VERTICAL
2	5417.50	47.82	54.00	-6.18	42.03	6.31	34.47	34.99	Average	217	308	VERTICAL
3	5464.34	60.14	68.20	-8.06	54.24	6.34	34.55	34.99	Peak	217	308	VERTICAL
4	5582.89	112.11			106.11	6.39	34.62	35.01	Average	217	308	VERTICAL
5	5583.62	122.60			116.60	6.39	34.62	35.01	Peak	217	308	VERTICAL
6	5734.41	60.95	68.20	-7.25	54.90	6.45	34.64	35.04	Peak	217	308	VERTICAL

Item 4, 5 are the fundamental frequency at 5580 MHz.

Channel 140

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5705.07	117.50			111.45	6.44	34.64	35.03	Peak	204	134	VERTICAL
2	5705.21	106.61			100.56	6.44	34.64	35.03	Average	204	134	VERTICAL
3	5725.00	67.14	68.20	-1.06	61.08	6.45	34.64	35.03	Peak	204	134	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5260.45	107.37			101.93	6.21	34.23	35.00	Average	219	221 VERTICAL
2	5261.32	117.53			112.09	6.21	34.23	35.00	Peak	219	221 VERTICAL
3	5350.00	52.06	54.00	-1.94	46.44	6.26	34.36	35.00	Average	219	221 VERTICAL
4	5350.00	63.61	74.00	-10.39	57.99	6.26	34.36	35.00	Peak	219	221 VERTICAL

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

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5312.32	101.47			95.92	6.24	34.31	35.00	Average	216	284 VERTICAL
2	5313.18	111.04			105.49	6.24	34.31	35.00	Peak	216	284 VERTICAL
3	5351.10	52.25	54.00	-1.75	46.63	6.26	34.36	35.00	Average	216	284 VERTICAL
4	5351.97	64.19	74.00	-9.81	58.57	6.26	34.36	35.00	Peak	216	284 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5452.60	52.25	54.00	-1.75	46.39	6.33	34.52	34.99	213	193	VERTICAL
2	5452.98	64.19	74.00	-9.81	58.33	6.33	34.52	34.99	213	193	VERTICAL
3	5469.48	65.31	68.20	-2.89	59.41	6.34	34.55	34.99	213	193	VERTICAL
4	5511.45	115.29			109.33	6.36	34.60	35.00	213	193	VERTICAL
5	5511.74	105.64			99.68	6.36	34.60	35.00	213	193	VERTICAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.01	64.64	74.00	-9.36	58.78	6.33	34.52	34.99	206	195	VERTICAL
2	5451.88	50.54	54.00	-3.46	44.68	6.33	34.52	34.99	206	195	VERTICAL
3	5470.00	66.55	68.20	-1.65	60.65	6.34	34.55	34.99	206	195	VERTICAL
4	5551.74	108.37			102.38	6.38	34.61	35.00	206	195	VERTICAL
5	5551.74	118.04			112.05	6.38	34.61	35.00	206	195	VERTICAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5662.76	115.11			109.09	6.42	34.63	35.03	204	10	VERTICAL
2	5663.63	105.57			99.55	6.42	34.63	35.03	204	10	VERTICAL
3	5725.86	66.57	68.20	-1.63	60.51	6.45	34.64	35.03	204	10	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5129.02	59.31	74.00	-14.69	54.18	6.12	34.01	35.00	Peak	212	284 VERTICAL
2	5145.66	46.68	54.00	-7.32	41.51	6.13	34.04	35.00	Average	212	284 VERTICAL
3	5292.17	95.37			89.90	6.22	34.25	35.00	Average	212	284 VERTICAL
4	5313.88	105.40			99.85	6.24	34.31	35.00	Peak	212	284 VERTICAL
5	5352.95	52.60	54.00	-1.40	46.98	6.26	34.36	35.00	Average	212	284 VERTICAL
6	5352.95	64.14	74.00	-9.86	58.52	6.26	34.36	35.00	Peak	212	284 VERTICAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5451.85	65.79	74.00	-8.21	59.93	6.33	34.52	34.99	Peak	215	193 VERTICAL
2	5452.72	52.78	54.00	-1.22	46.92	6.33	34.52	34.99	Average	215	193 VERTICAL
3	5470.00	62.74	68.20	-5.46	56.84	6.34	34.55	34.99	Peak	215	193 VERTICAL
4	5531.74	106.59			100.61	6.37	34.61	35.00	Peak	215	193 VERTICAL
5	5532.17	96.72			90.74	6.37	34.61	35.00	Average	215	193 VERTICAL
6	5742.37	60.45	68.20	-7.75	54.39	6.45	34.65	35.04	Peak	215	193 VERTICAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5453.70	52.70	54.00	-1.30	46.84	6.33	34.52	34.99	Average	210	310 VERTICAL
2	5453.70	65.51	74.00	-8.49	59.65	6.33	34.52	34.99	Peak	210	310 VERTICAL
3	5467.11	63.29	68.20	-4.91	57.39	6.34	34.55	34.99	Peak	210	310 VERTICAL
4	5613.62	102.97			96.96	6.40	34.62	35.01	Average	210	310 VERTICAL
5	5615.07	112.30			106.29	6.40	34.62	35.01	Peak	210	310 VERTICAL
6	5734.41	66.22	68.20	-1.98	60.17	6.45	34.64	35.04	Peak	210	310 VERTICAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos		
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	5725.07	112.87			106.81	6.45	34.64	35.03	Average	200	135	VERTICAL
2	5726.51	122.21			116.15	6.45	34.64	35.03	Peak	200	135	VERTICAL
3	5891.49	61.06	68.20	-7.14	54.94	6.51	34.68	35.07	Peak	200	135	VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5725.07	112.43			106.37	6.45	34.64	35.03	Average	203	136 VERTICAL
2	5726.51	122.31			116.25	6.45	34.64	35.03	Peak	203	136 VERTICAL
3	5918.26	60.22	68.20	-7.98	54.10	6.52	34.68	35.08	Peak	203	136 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 23, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5715.79	110.25			104.20	6.44	34.64	35.03	Average	217	278 VERTICAL
2	5717.96	119.97			113.91	6.45	34.64	35.03	Peak	217	278 VERTICAL
3	5858.34	60.36	68.20	-7.84	54.26	6.50	34.67	35.07	Peak	217	278 VERTICAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 24, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5695.79	105.27			99.23	6.43	34.64	35.03	Average	208	134 VERTICAL
2	5696.51	114.83			108.79	6.43	34.64	35.03	Peak	208	134 VERTICAL
3	5857.87	66.65	68.20	-1.55	60.55	6.50	34.67	35.07	Peak	208	134 VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 16, 2015 ~ Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5145.22	58.59	74.00	-15.41	53.42	6.13	34.04	35.00	Peak	300	303 HORIZONTAL
2	5150.00	45.80	54.00	-8.20	40.63	6.13	34.04	35.00	Average	300	303 HORIZONTAL
3	5265.21	110.43			104.99	6.21	34.23	35.00	Average	300	303 HORIZONTAL
4	5265.21	120.68			115.24	6.21	34.23	35.00	Peak	300	303 HORIZONTAL
5	5350.00	46.72	54.00	-7.28	41.10	6.26	34.36	35.00	Average	300	303 HORIZONTAL
6	5351.74	57.75	74.00	-16.25	52.13	6.26	34.36	35.00	Peak	300	303 HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5304.92	121.24			115.73	6.23	34.28	35.00	Peak	300	308 HORIZONTAL
2	5305.21	110.75			105.24	6.23	34.28	35.00	Average	300	308 HORIZONTAL
3	5352.03	51.46	54.00	-2.54	45.84	6.26	34.36	35.00	Average	300	308 HORIZONTAL
4	5352.03	67.83	74.00	-6.17	62.21	6.26	34.36	35.00	Peak	300	308 HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	5322.75	106.29			100.74	6.24	34.31	35.00	Average	296	307 HORIZONTAL
2	5322.75	116.83			111.28	6.24	34.31	35.00	Peak	296	307 HORIZONTAL
3	5350.00	48.33	54.00	-5.67	42.71	6.26	34.36	35.00	Average	296	307 HORIZONTAL
4	5350.29	60.24	74.00	-13.76	54.62	6.26	34.36	35.00	Peak	296	307 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5456.24	60.14	74.00	-13.86	54.28	6.33	34.52	34.99	Peak	282	300 HORIZONTAL
2	5456.70	47.45	54.00	-6.55	41.59	6.33	34.52	34.99	Average	282	300 HORIZONTAL
3	5465.08	49.35	54.00	-4.65	43.45	6.34	34.55	34.99	Average	282	300 HORIZONTAL
4	5465.22	63.29	74.00	-10.71	57.39	6.34	34.55	34.99	Peak	282	300 HORIZONTAL
5	5502.75	117.56			111.60	6.36	34.60	35.00	Peak	282	300 HORIZONTAL
6	5503.33	106.90			100.94	6.36	34.60	35.00	Average	282	300 HORIZONTAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5459.13	59.73	74.00	-14.27	53.87	6.33	34.52	34.99	Peak	277	304 HORIZONTAL
2	5460.00	46.49	54.00	-7.51	40.63	6.33	34.52	34.99	Average	277	304 HORIZONTAL
3	5469.13	59.99	74.00	-14.01	54.09	6.34	34.55	34.99	Peak	277	304 HORIZONTAL
4	5470.00	47.03	54.00	-6.97	41.13	6.34	34.55	34.99	Average	277	304 HORIZONTAL
5	5582.60	111.30			105.30	6.39	34.62	35.01	Average	277	304 HORIZONTAL
6	5583.04	121.21			115.21	6.39	34.62	35.01	Peak	277	304 HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	5702.60	116.31			110.26	6.44	34.64	35.03	Peak	274	300 HORIZONTAL
2	5702.89	104.14			98.09	6.44	34.64	35.03	Average	274	300 HORIZONTAL
3	5725.00	52.84	54.00	-1.16	46.78	6.45	34.64	35.03	Average	274	300 HORIZONTAL
4	5725.00	70.57	74.00	-3.43	64.51	6.45	34.64	35.03	Peak	274	300 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 16, 2015 ~ Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 52

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5148.26	57.87	74.00	-16.13	52.70	6.13	34.04	35.00	Peak	299	303 HORIZONTAL
2	5150.00	45.45	54.00	-8.55	40.28	6.13	34.04	35.00	Average	299	303 HORIZONTAL
3	5263.91	120.90			115.46	6.21	34.23	35.00	Peak	299	303 HORIZONTAL
4	5265.21	109.25			103.81	6.21	34.23	35.00	Average	299	303 HORIZONTAL
5	5359.99	46.32	54.00	-7.68	40.70	6.26	34.36	35.00	Average	299	303 HORIZONTAL
6	5362.16	58.61	74.00	-15.39	52.95	6.27	34.39	35.00	Peak	299	303 HORIZONTAL

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

Channel 60

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5305.21	109.51			104.00	6.23	34.28	35.00	Average	300	304 HORIZONTAL
2	5305.21	120.45			114.94	6.23	34.28	35.00	Peak	300	304 HORIZONTAL
3	5351.16	50.90	54.00	-3.10	45.28	6.26	34.36	35.00	Average	300	304 HORIZONTAL
4	5351.16	65.74	74.00	-8.26	60.12	6.26	34.36	35.00	Peak	300	304 HORIZONTAL

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

Channel 64

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5322.60	116.64			111.09	6.24	34.31	35.00	Peak	295	308 HORIZONTAL
2	5322.75	104.72			99.17	6.24	34.31	35.00	Average	295	308 HORIZONTAL
3	5350.00	47.80	54.00	-6.20	42.18	6.26	34.36	35.00	Average	295	308 HORIZONTAL
4	5350.87	61.41	74.00	-12.59	55.79	6.26	34.36	35.00	Peak	295	308 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 100

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5456.38	60.84	74.00	-13.16	54.98	6.33	34.52	34.99	Peak	248	307 HORIZONTAL
2	5460.00	46.99	54.00	-7.01	41.13	6.33	34.52	34.99	Average	248	307 HORIZONTAL
3	5462.89	48.20	54.00	-5.80	42.30	6.34	34.55	34.99	Average	248	307 HORIZONTAL
4	5469.57	62.41	74.00	-11.59	56.51	6.34	34.55	34.99	Peak	248	307 HORIZONTAL
5	5502.60	105.58			99.62	6.36	34.60	35.00	Average	248	307 HORIZONTAL
6	5502.75	117.13			111.17	6.36	34.60	35.00	Peak	248	307 HORIZONTAL

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

Channel 116

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5456.09	59.89	74.00	-14.11	54.03	6.33	34.52	34.99	Peak	291	303 HORIZONTAL
2	5460.00	46.02	54.00	-7.98	40.16	6.33	34.52	34.99	Average	291	303 HORIZONTAL
3	5469.57	59.20	74.00	-14.80	53.30	6.34	34.55	34.99	Peak	291	303 HORIZONTAL
4	5470.00	46.24	54.00	-7.76	40.34	6.34	34.55	34.99	Average	291	303 HORIZONTAL
5	5581.74	120.59			114.59	6.39	34.62	35.01	Peak	291	303 HORIZONTAL
6	5582.17	108.77			102.77	6.39	34.62	35.01	Average	291	303 HORIZONTAL

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

Channel 140

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5702.89	116.25			110.20	6.44	34.64	35.03	Peak	274	303 HORIZONTAL
2	5703.18	104.16			98.11	6.44	34.64	35.03	Average	274	303 HORIZONTAL
3	5725.00	52.98	54.00	-1.02	46.92	6.45	34.64	35.03	Average	274	303 HORIZONTAL
4	5725.00	67.47	74.00	-6.53	61.41	6.45	34.64	35.03	Peak	274	303 HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 16, 2015 ~ Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 54

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5141.32	58.76	74.00	-15.24	53.59	6.13	34.04	35.00	295	304	HORIZONTAL
2	5150.00	45.36	54.00	-8.64	40.19	6.13	34.04	35.00	295	304	HORIZONTAL
3	5275.21	105.58			100.14	6.21	34.23	35.00	295	304	HORIZONTAL
4	5275.64	116.29			110.82	6.22	34.25	35.00	295	304	HORIZONTAL
5	5354.34	67.08	74.00	-6.92	61.46	6.26	34.36	35.00	295	304	HORIZONTAL
6	5355.21	52.88	54.00	-1.12	47.26	6.26	34.36	35.00	295	304	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5270 MHz.

Channel 62

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5314.63	96.49			90.94	6.24	34.31	35.00	287	297	HORIZONTAL
2	5314.92	107.38			101.83	6.24	34.31	35.00	287	297	HORIZONTAL
3	5351.16	59.90	74.00	-14.10	54.28	6.26	34.36	35.00	287	297	HORIZONTAL
4	5354.05	47.07	54.00	-6.93	41.45	6.26	34.36	35.00	287	297	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 17, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 102

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5451.32	61.09	74.00	-12.91	55.23	6.33	34.52	34.99	247	309	VERTICAL
2	5451.90	46.95	54.00	-7.05	41.09	6.33	34.52	34.99	247	309	VERTICAL
3	5470.00	49.26	54.00	-4.74	43.36	6.34	34.55	34.99	247	309	VERTICAL
4	5470.00	61.18	74.00	-12.82	55.28	6.34	34.55	34.99	247	309	VERTICAL
5	5511.45	105.85			99.89	6.36	34.60	35.00	247	309	VERTICAL
6	5511.74	95.07			89.11	6.36	34.60	35.00	247	309	VERTICAL

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

Channel 110

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5452.62	63.22	74.00	-10.78	57.36	6.33	34.52	34.99	270	302	HORIZONTAL
2	5453.05	52.41	54.00	-1.59	46.55	6.33	34.52	34.99	270	302	HORIZONTAL
3	5470.00	52.98	54.00	-1.02	47.08	6.34	34.55	34.99	270	302	HORIZONTAL
4	5470.00	67.52	74.00	-6.48	61.62	6.34	34.55	34.99	270	302	HORIZONTAL
5	5553.04	115.67			109.69	6.38	34.61	35.01	270	302	HORIZONTAL
6	5553.47	104.70			98.72	6.38	34.61	35.01	270	302	HORIZONTAL

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

Channel 134

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5672.03	100.74			94.71	6.43	34.63	35.03	278	299	HORIZONTAL
2	5672.03	112.06			106.03	6.43	34.63	35.03	278	299	HORIZONTAL
3	5727.60	52.86	54.00	-1.14	46.80	6.45	34.64	35.03	278	299	HORIZONTAL
4	5727.60	67.71	74.00	-6.29	61.65	6.45	34.64	35.03	278	299	HORIZONTAL

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 16, 2015 ~ Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 58

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5120.33	59.39	74.00	-14.61	54.29	6.11	33.99	35.00	Peak	285	58 HORIZONTAL
2	5149.28	45.75	54.00	-8.25	40.58	6.13	34.04	35.00	Average	285	58 HORIZONTAL
3	5270.46	103.30			97.86	6.21	34.23	35.00	Peak	285	58 HORIZONTAL
4	5288.55	93.90			88.43	6.22	34.25	35.00	Average	285	58 HORIZONTAL
5	5350.00	50.35	54.00	-3.65	44.73	6.26	34.36	35.00	Average	285	58 HORIZONTAL
6	5352.89	63.66	74.00	-10.34	58.04	6.26	34.36	35.00	Peak	285	58 HORIZONTAL

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

Channel 106

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5434.67	66.20	74.00	-7.80	60.38	6.32	34.49	34.99	Peak	280	304 HORIZONTAL
2	5454.21	52.48	54.00	-1.52	46.62	6.33	34.52	34.99	Average	280	304 HORIZONTAL
3	5460.72	47.27	54.00	-6.73	41.41	6.33	34.52	34.99	Average	280	304 HORIZONTAL
4	5464.21	61.09	74.00	-12.91	55.19	6.34	34.55	34.99	Peak	280	304 HORIZONTAL
5	5533.62	94.30			88.32	6.37	34.61	35.00	Average	280	304 HORIZONTAL
6	5534.34	103.97			97.99	6.37	34.61	35.00	Peak	280	304 HORIZONTAL
7	5725.72	44.27	54.00	-9.73	38.21	6.45	34.64	35.03	Average	280	304 HORIZONTAL
8	5769.14	59.71	74.00	-14.29	53.64	6.46	34.66	35.05	Peak	280	304 HORIZONTAL

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

Channel 122

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	5450.59	49.77	54.00	-4.23	43.91	6.33	34.52	34.99	Average	268	305 HORIZONTAL
2	5451.32	64.16	74.00	-9.84	58.30	6.33	34.52	34.99	Peak	268	305 HORIZONTAL
3	5470.00	52.73	54.00	-1.27	46.83	6.34	34.55	34.99	Average	268	305 HORIZONTAL
4	5470.00	67.60	74.00	-6.40	61.70	6.34	34.55	34.99	Peak	268	305 HORIZONTAL
5	5591.19	99.53			93.53	6.39	34.62	35.01	Average	268	305 HORIZONTAL
6	5591.91	112.19			106.19	6.39	34.62	35.01	Peak	268	305 HORIZONTAL
7	5726.45	51.51	54.00	-2.49	45.45	6.45	34.64	35.03	Average	268	305 HORIZONTAL
8	5727.17	65.02	74.00	-8.98	58.96	6.45	34.64	35.03	Peak	268	305 HORIZONTAL

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

Note:

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	5727.00	98.97			92.11	7.79	33.01	32.08	VERTICAL	166	286	Average
2	5727.00	110.96			104.10	7.79	33.01	32.08	VERTICAL	166	286	Peak
3	5850.00	45.82	54.00	-8.18	38.78	7.87	33.05	32.22	VERTICAL	166	286	Average
4	5850.00	57.96	74.00	-16.04	50.92	7.87	33.05	32.22	VERTICAL	166	286	Peak

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 144

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	5725.00	106.74			99.87	7.79	33.00	32.08	HORIZONTAL	258	68	Average
2	5726.00	116.90			110.03	7.79	33.00	32.08	HORIZONTAL	258	68	Peak
3	5850.00	46.43	54.00	-7.57	39.39	7.87	33.05	32.22	HORIZONTAL	258	68	Average
4	5851.00	58.61	74.00	-15.39	51.57	7.87	33.05	32.22	HORIZONTAL	258	68	Peak

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 142

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	5718.00	100.04			93.19	7.79	33.00	32.06	VERTICAL	312	54	Average
2	5719.00	109.90			103.05	7.79	33.00	32.06	VERTICAL	312	54	Peak
3	5850.00	46.68	54.00	-7.32	39.64	7.87	33.05	32.22	VERTICAL	312	54	Average
4	5853.00	57.80	74.00	-16.20	50.76	7.87	33.05	32.22	VERTICAL	312	54	Peak

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Oct. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Channel 138

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	5676.00	111.08			104.29	7.76	32.99	32.02	HORIZONTAL	261	58	Peak
2	5696.00	100.67			93.85	7.78	33.00	32.04	HORIZONTAL	261	58	Average
3	5857.00	52.98	54.00	-1.02	45.92	7.87	33.05	32.24	HORIZONTAL	261	58	Average
4	5857.00	66.63	74.00	-7.37	59.57	7.87	33.05	32.24	HORIZONTAL	261	58	Peak

Item 1, 2 are the fundamental frequency at 5690 MHz.

4.7. Frequency Stability Measurement

4.7.1. 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).

4.7.2. Measuring Instruments and Setting

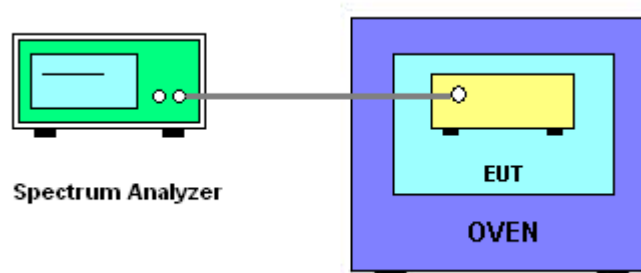
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

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

4.7.3. Test Procedures

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

4.7.4. Test Setup Layout



4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

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

4.7.7. Test Result of Frequency Stability

Temperature	25°C	Humidity	50%
Test Engineer	Eddie Weng & Lucas Huang	Test Date	Oct. 23, 2015 ~ Nov. 05, 2015
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Mode: 20 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5300.0077	5300.0063	5300.0045	5300.0024
110.00	5300.0065	5300.0052	5300.0036	5300.0017
93.50	5300.0051	5300.0040	5300.0028	5300.0006
Max. Deviation (MHz)	0.0077	0.0063	0.0045	0.0024
Max. Deviation (ppm)	1.45	1.19	0.85	0.45
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5300.0119	5300.0106	5300.0089	5300.0065
-10	5300.0104	5300.0092	5300.0076	5300.0057
0	5300.0090	5300.0078	5300.0059	5300.0037
10	5300.0077	5300.0064	5300.0049	5300.0031
20	5300.0065	5300.0052	5300.0036	5300.0017
30	5300.0051	5300.0040	5300.0026	5300.0010
40	5300.0035	5300.0020	5300.0004	5299.9984
50	5300.0018	5300.0006	5299.9991	5299.9964
Max. Deviation (MHz)	0.0119	0.0106	0.0089	0.0065
Max. Deviation (ppm)	2.25	2.00	1.68	1.23
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5580.0042	5580.0028	5580.0010	5579.9989
110.00	5580.0030	5580.0017	5580.0001	5579.9982
93.50	5580.0016	5580.0005	5579.9993	5579.9971
Max. Deviation (MHz)	0.0042	0.0028	0.0010	0.0029
Max. Deviation (ppm)	0.75	0.50	0.18	0.52
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5580.0084	5580.0071	5580.0054	5580.0030
-10	5580.0069	5580.0057	5580.0041	5580.0022
0	5580.0055	5580.0043	5580.0024	5580.0002
10	5580.0042	5580.0029	5580.0014	5579.9996
20	5580.0030	5580.0017	5580.0001	5579.9982
30	5580.0016	5580.0005	5579.9991	5579.9975
40	5580.0000	5579.9985	5579.9969	5579.9949
50	5579.9983	5579.9971	5579.9956	5579.9929
Max. Deviation (MHz)	0.0084	0.0071	0.0054	0.0071
Max. Deviation (ppm)	1.51	1.27	0.97	1.27
Result	Complies			

Mode: 40 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5310.0085	5310.0071	5310.0053	5310.0032
110.00	5310.0073	5310.0060	5310.0044	5310.0025
93.50	5310.0059	5310.0048	5310.0036	5310.0014
Max. Deviation (MHz)	0.0085	0.0071	0.0053	0.0032
Max. Deviation (ppm)	1.60	1.34	1.00	0.60
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5310.0127	5310.0114	5310.0097	5310.0073
-10	5310.0112	5310.0100	5310.0084	5310.0065
0	5310.0098	5310.0086	5310.0067	5310.0045
10	5310.0085	5310.0072	5310.0057	5310.0039
20	5310.0073	5310.0060	5310.0044	5310.0025
30	5310.0059	5310.0048	5310.0034	5310.0018
40	5310.0043	5310.0028	5310.0012	5309.9992
50	5310.0026	5310.0014	5309.9999	5309.9972
Max. Deviation (MHz)	0.0127	0.0114	0.0097	0.0073
Max. Deviation (ppm)	2.39	2.15	1.83	1.37
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5550.0033	5550.0019	5550.0001	5549.9980
110.00	5550.0021	5550.0008	5549.9992	5549.9973
93.50	5550.0007	5549.9996	5549.9984	5549.9962
Max. Deviation (MHz)	0.0033	0.0019	0.0016	0.0038
Max. Deviation (ppm)	0.59	0.34	0.29	0.68
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5550.0075	5550.0062	5550.0045	5550.0021
-10	5550.0060	5550.0048	5550.0032	5550.0013
0	5550.0046	5550.0034	5550.0015	5549.9993
10	5550.0033	5550.0020	5550.0005	5549.9987
20	5550.0021	5550.0008	5549.9992	5549.9973
30	5550.0007	5549.9996	5549.9982	5549.9966
40	5549.9991	5549.9976	5549.9960	5549.9940
50	5549.9974	5549.9962	5549.9947	5549.9920
Max. Deviation (MHz)	0.0075	0.0062	0.0053	0.0080
Max. Deviation (ppm)	1.35	1.12	0.95	1.44
Result	Complies			

Mode: 80 MHz / Chain 3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5290.0038	5290.0024	5290.0006	5289.9985
110.00	5290.0026	5290.0013	5289.9997	5289.9978
93.50	5290.0012	5290.0001	5289.9989	5289.9967
Max. Deviation (MHz)	0.0038	0.0024	0.0011	0.0033
Max. Deviation (ppm)	0.72	0.45	0.21	0.62
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5290.0080	5290.0067	5290.0050	5290.0026
-10	5290.0065	5290.0053	5290.0037	5290.0018
0	5290.0051	5290.0039	5290.0020	5289.9998
10	5290.0038	5290.0025	5290.0010	5289.9992
20	5290.0026	5290.0013	5289.9997	5289.9978
30	5290.0012	5290.0001	5289.9987	5289.9971
40	5289.9996	5289.9981	5289.9965	5289.9945
50	5289.9979	5289.9967	5289.9952	5289.9925
Max. Deviation (MHz)	0.0080	0.0067	0.0050	0.0075
Max. Deviation (ppm)	1.51	1.27	0.95	1.42
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5530.0025	5530.0011	5529.9993	5529.9972
110.00	5530.0013	5530.0000	5529.9984	5529.9965
93.50	5529.9999	5529.9988	5529.9976	5529.9954
Max. Deviation (MHz)	0.0025	0.0012	0.0024	0.0046
Max. Deviation (ppm)	0.45	0.22	0.43	0.83
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5530.0067	5530.0054	5530.0037	5530.0013
-10	5530.0052	5530.0040	5530.0024	5530.0005
0	5530.0038	5530.0026	5530.0007	5529.9985
10	5530.0025	5530.0012	5529.9997	5529.9979
20	5530.0013	5530.0000	5529.9984	5529.9965
30	5529.9999	5529.9988	5529.9974	5529.9958
40	5529.9983	5529.9968	5529.9952	5529.9932
50	5529.9966	5529.9954	5529.9939	5529.9912
Max. Deviation (MHz)	0.0067	0.0054	0.0061	0.0088
Max. Deviation (ppm)	1.21	0.98	1.10	1.59
Result	Complies			

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

Mode: 20 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5300.0481	5300.0467	5300.0449	5300.0428
110.00	5300.0469	5300.0456	5300.0440	5300.0421
93.50	5300.0455	5300.0444	5300.0432	5300.0410
Max. Deviation (MHz)	0.0481	0.0467	0.0449	0.0428
Max. Deviation (ppm)	9.08	8.81	8.47	8.08
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5300.0523	5300.0510	5300.0493	5300.0469
-10	5300.0508	5300.0496	5300.0480	5300.0461
0	5300.0494	5300.0482	5300.0463	5300.0441
10	5300.0481	5300.0468	5300.0453	5300.0435
20	5300.0469	5300.0456	5300.0440	5300.0421
30	5300.0455	5300.0444	5300.0430	5300.0414
40	5300.0439	5300.0424	5300.0408	5300.0388
50	5300.0422	5300.0410	5300.0395	5300.0368
Max. Deviation (MHz)	0.0523	0.0510	0.0493	0.0469
Max. Deviation (ppm)	9.87	9.62	9.30	8.85
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5580.0599	5580.0585	5580.0567	5580.0546
110.00	5580.0587	5580.0574	5580.0558	5580.0539
93.50	5580.0573	5580.0562	5580.0550	5580.0528
Max. Deviation (MHz)	0.0599	0.0585	0.0567	0.0546
Max. Deviation (ppm)	10.73	10.48	10.16	9.78
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5580.0641	5580.0628	5580.0611	5580.0587
-10	5580.0626	5580.0614	5580.0598	5580.0579
0	5580.0612	5580.0600	5580.0581	5580.0559
10	5580.0599	5580.0586	5580.0571	5580.0553
20	5580.0587	5580.0574	5580.0558	5580.0539
30	5580.0573	5580.0562	5580.0548	5580.0532
40	5580.0557	5580.0542	5580.0526	5580.0506
50	5580.0540	5580.0528	5580.0513	5580.0486
Max. Deviation (MHz)	0.0641	0.0628	0.0611	0.0587
Max. Deviation (ppm)	11.49	11.25	10.95	10.52
Result	Complies			

Mode: 40 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5310.0557	5310.0543	5310.0525	5310.0504
110.00	5310.0545	5310.0532	5310.0516	5310.0497
93.50	5310.0531	5310.0520	5310.0508	5310.0486
Max. Deviation (MHz)	0.0557	0.0543	0.0525	0.0504
Max. Deviation (ppm)	10.49	10.23	9.89	9.50
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5310.0599	5310.0586	5310.0569	5310.0545
-10	5310.0584	5310.0572	5310.0556	5310.0537
0	5310.0570	5310.0558	5310.0539	5310.0517
10	5310.0557	5310.0544	5310.0529	5310.0511
20	5310.0545	5310.0532	5310.0516	5310.0497
30	5310.0531	5310.0520	5310.0506	5310.0490
40	5310.0515	5310.0500	5310.0484	5310.0464
50	5310.0498	5310.0486	5310.0471	5310.0444
Max. Deviation (MHz)	0.0599	0.0586	0.0569	0.0545
Max. Deviation (ppm)	11.28	11.04	10.72	10.26
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5550.0589	5550.0575	5550.0557	5550.0536
110.00	5550.0577	5550.0564	5550.0548	5550.0529
93.50	5550.0563	5550.0552	5550.0540	5550.0518
Max. Deviation (MHz)	0.0589	0.0575	0.0557	0.0536
Max. Deviation (ppm)	10.61	10.36	10.04	9.66
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5550.0631	5550.0618	5550.0601	5550.0577
-10	5550.0616	5550.0604	5550.0588	5550.0569
0	5550.0602	5550.0590	5550.0571	5550.0549
10	5550.0589	5550.0576	5550.0561	5550.0543
20	5550.0577	5550.0564	5550.0548	5550.0529
30	5550.0563	5550.0552	5550.0538	5550.0522
40	5550.0547	5550.0532	5550.0516	5550.0496
50	5550.0530	5550.0518	5550.0503	5550.0476
Max. Deviation (MHz)	0.0631	0.0618	0.0601	0.0577
Max. Deviation (ppm)	11.37	11.14	10.83	10.40
Result	Complies			

Mode: 80 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5290.0574	5290.0560	5290.0542	5290.0521
110.00	5290.0562	5290.0549	5290.0533	5290.0514
93.50	5290.0548	5290.0537	5290.0525	5290.0503
Max. Deviation (MHz)	0.0574	0.0560	0.0542	0.0521
Max. Deviation (ppm)	10.85	10.59	10.25	9.85
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5290.0616	5290.0603	5290.0586	5290.0562
-10	5290.0601	5290.0589	5290.0573	5290.0554
0	5290.0587	5290.0575	5290.0556	5290.0534
10	5290.0574	5290.0561	5290.0546	5290.0528
20	5290.0562	5290.0549	5290.0533	5290.0514
30	5290.0548	5290.0537	5290.0523	5290.0507
40	5290.0532	5290.0517	5290.0501	5290.0481
50	5290.0515	5290.0503	5290.0488	5290.0461
Max. Deviation (MHz)	0.0616	0.0603	0.0586	0.0562
Max. Deviation (ppm)	11.64	11.40	11.08	10.62
Result	Complies			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5530.0383	5530.0369	5530.0351	5530.0330
110.00	5530.0371	5530.0358	5530.0342	5530.0323
93.50	5530.0357	5530.0346	5530.0334	5530.0312
Max. Deviation (MHz)	0.0383	0.0369	0.0351	0.0330
Max. Deviation (ppm)	6.93	6.67	6.35	5.97
Result	Complies			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(°C)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-20	5530.0425	5530.0412	5530.0395	5530.0371
-10	5530.0410	5530.0398	5530.0382	5530.0363
0	5530.0396	5530.0384	5530.0365	5530.0343
10	5530.0383	5530.0370	5530.0355	5530.0337
20	5530.0371	5530.0358	5530.0342	5530.0323
30	5530.0357	5530.0346	5530.0332	5530.0316
40	5530.0341	5530.0326	5530.0310	5530.0290
50	5530.0324	5530.0312	5530.0297	5530.0270
Max. Deviation (MHz)	0.0425	0.0412	0.0395	0.0371
Max. Deviation (ppm)	7.69	7.45	7.14	6.71
Result	Complies			

4.8. Antenna Requirements

4.8.1. 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.

4.8.2. 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
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Feb.10, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 03, 2014	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
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%