

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,755,000,000 Hz
 CHANNEL: 151
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755097.06	97.06
100%		-30	5755074.42	74.42
100%		-20	5755037.29	37.29
100%		-10	5755065.33	65.33
100%		0	5755007.40	7.4
100%		+10	5755064.80	64.8
100%		+30	5755073.20	73.2
100%		+40	5755092.03	92.03
100%		+50	5755097.11	97.11
Max.	16.00	+20	5755029.21	29.21
Min.	9.00	+20	5755033.64	33.64

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,190,000,000 Hz
 CHANNEL: 38
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190065.87	65.87
100%		-30	5190042.47	42.47
100%		-20	5190017.69	17.69
100%		-10	5190085.49	85.49
100%		0	5190092.88	92.88
100%		+10	5190053.34	53.34
100%		+30	5190063.47	63.47
100%		+40	5190041.90	41.90
100%		+50	5190024.56	24.56
Max.	16.00	+20	5190012.99	12.99
Min.	9.00	+20	5190017.63	17.63

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270068.92	68.92
100%		-30	5270025.04	25.04
100%		-20	5270050.78	50.78
100%		-10	5270008.92	8.92
100%		0	5270014.88	14.88
100%		+10	5270045.83	45.83
100%		+30	5270076.67	76.67
100%		+40	5270061.77	61.77
100%		+50	5270083.52	83.52
Max.	16.00	+20	5270055.63	55.63
Min.	9.00	+20	5270005.89	5.89

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,510,000,000 Hz
CHANNEL:	102
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510043.20	43.20
100%		-30	5510011.91	11.91
100%		-20	5510010.93	10.93
100%		-10	5510082.87	82.87
100%		0	5510008.21	8.21
100%		+10	5510033.20	33.2
100%		+30	5510015.18	15.18
100%		+40	5510065.15	65.15
100%		+50	5510047.94	47.94
Max.	16.00	+20	5510005.67	5.67
Min.	9.00	+20	5510071.44	71.44

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,755,000,000 Hz
 CHANNEL: 151
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755057.13	57.13
100%		-30	5755090.25	90.25
100%		-20	5755031.09	31.09
100%		-10	5755039.45	39.45
100%		0	5755084.66	84.66
100%		+10	5755064.61	64.61
100%		+30	5755072.48	72.48
100%		+40	5755035.62	35.62
100%		+50	5755003.69	3.69
Max.	16.00	+20	5755008.37	8.37
Min.	9.00	+20	5755060.54	60.54

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

80 MHz BW_ Startup

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,210,000,000 Hz
CHANNEL: 42
REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210013.11	13.11
100%		-30	5210039.36	39.36
100%		-20	5210010.07	10.07
100%		-10	5210058.05	58.05
100%		0	5210004.94	4.94
100%		+10	5210064.09	64.09
100%		+30	5210022.38	22.38
100%		+40	5210041.30	41.30
100%		+50	5210038.04	38.04
Max.	16.00	+20	5210050.28	50.28
Min.	9.00	+20	5210052.44	52.44

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290009.26	9.26
100%		-30	5290067.87	67.87
100%		-20	5290039.63	39.63
100%		-10	5290039.07	39.07
100%		0	5290069.13	69.13
100%		+10	5290050.76	50.76
100%		+30	5290051.48	51.48
100%		+40	5290056.73	56.73
100%		+50	5290084.81	84.81
Max.	16.00	+20	5290056.02	56.02
Min.	9.00	+20	5290056.59	56.59

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530045.46	45.46
100%		-30	5530022.90	22.90
100%		-20	5530037.82	37.82
100%		-10	5530033.65	33.65
100%		0	5530059.02	59.02
100%		+10	5530083.08	83.08
100%		+30	5530018.29	18.29
100%		+40	5530065.35	65.35
100%		+50	5530099.63	99.63
Max.	16.00	+20	5530042.21	42.21
Min.	9.00	+20	5530053.31	53.31

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775003.64	3.64
100%		-30	5775078.72	78.72
100%		-20	5775092.95	92.95
100%		-10	5775074.27	74.27
100%		0	5775074.25	74.25
100%		+10	5775003.47	3.47
100%		+30	5775067.09	67.09
100%		+40	5775038.46	38.46
100%		+50	5775091.67	91.67
Max.	16.00	+20	5775084.50	84.50
Min.	9.00	+20	5775046.54	46.54

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210054.79	54.79
100%		-30	5210050.15	50.15
100%		-20	5210004.87	4.87
100%		-10	5210034.12	34.12
100%		0	5210070.99	70.99
100%		+10	5210067.22	67.22
100%		+30	5210081.26	81.26
100%		+40	5210022.91	22.91
100%		+50	5210024.62	24.62
Max.	16.00	+20	5210077.67	77.67
Min.	9.00	+20	5210084.04	84.04

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290030.05	30.05
100%		-30	5290020.27	20.27
100%		-20	5290078.86	78.86
100%		-10	5290076.23	76.23
100%		0	5290049.24	49.24
100%		+10	5290047.86	47.86
100%		+30	5290013.84	13.84
100%		+40	5290027.10	27.1
100%		+50	5290019.65	19.65
Max.	16.00	+20	5290003.28	3.28
Min.	9.00	+20	5290047.64	47.64

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530089.38	89.38
100%		-30	5530092.70	92.70
100%		-20	5530098.28	98.28
100%		-10	5530031.98	31.98
100%		0	5530038.90	38.9
100%		+10	5530013.16	13.16
100%		+30	5530052.94	52.94
100%		+40	5530092.41	92.41
100%		+50	5530028.40	28.40
Max.	16.00	+20	5530081.91	81.91
Min.	9.00	+20	5530015.12	15.12

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775026.65	26.65
100%		-30	5775077.51	77.51
100%		-20	5775078.59	78.59
100%		-10	5775005.25	5.25
100%		0	5775039.09	39.09
100%		+10	5775065.12	65.12
100%		+30	5775092.24	92.24
100%		+40	5775071.77	71.77
100%		+50	5775079.39	79.39
Max.	16.00	+20	5775050.60	50.60
Min.	9.00	+20	5775009.74	9.74

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

5 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210063.14	63.14
100%		-30	5210080.92	80.92
100%		-20	5210006.09	6.09
100%		-10	5210079.30	79.30
100%		0	5210002.23	2.23
100%		+10	5210098.07	98.07
100%		+30	5210046.71	46.71
100%		+40	5210069.40	69.40
100%		+50	5210098.55	98.55
Max.	16.00	+20	5210068.46	68.46
Min.	9.00	+20	5210017.79	17.79

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290007.09	7.09
100%		-30	5290069.09	69.09
100%		-20	5290072.94	72.94
100%		-10	5290075.16	75.16
100%		0	5290080.81	80.81
100%		+10	5290078.75	78.75
100%		+30	5290073.99	73.99
100%		+40	5290097.82	97.82
100%		+50	5290061.49	61.49
Max.	16.00	+20	5290040.58	40.58
Min.	9.00	+20	5290082.60	82.6

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530078.24	78.24
100%		-30	5530096.63	96.63
100%		-20	5530057.73	57.73
100%		-10	5530052.09	52.09
100%		0	5530050.06	50.06
100%		+10	5530080.53	80.53
100%		+30	5530022.08	22.08
100%		+40	5530074.63	74.63
100%		+50	5530087.45	87.45
Max.	16.00	+20	5530091.38	91.38
Min.	9.00	+20	5530017.59	17.59

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775097.48	97.48
100%		-30	5775054.99	54.99
100%		-20	5775062.33	62.33
100%		-10	5775067.31	67.31
100%		0	5775048.07	48.07
100%		+10	5775073.89	73.89
100%		+30	5775050.69	50.69
100%		+40	5775036.90	36.9
100%		+50	5775016.76	16.76
Max.	16.00	+20	5775090.67	90.67
Min.	9.00	+20	5775060.40	60.4

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210064.05	64.05
100%		-30	5210048.12	48.12
100%		-20	5210039.92	39.92
100%		-10	5210020.70	20.70
100%		0	5210090.69	90.69
100%		+10	5210052.14	52.14
100%		+30	5210078.38	78.38
100%		+40	5210012.27	12.27
100%		+50	5210070.28	70.28
Max.	16.00	+20	5210013.51	13.51
Min.	9.00	+20	5210022.96	22.96

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290016.05	16.05
100%		-30	5290095.45	95.45
100%		-20	5290043.80	43.8
100%		-10	5290043.40	43.4
100%		0	5290003.39	3.39
100%		+10	5290042.72	42.72
100%		+30	5290040.60	40.6
100%		+40	5290008.84	8.84
100%		+50	5290097.97	97.97
Max.	16.00	+20	5290004.58	4.58
Min.	9.00	+20	5290075.26	75.26

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530054.50	54.50
100%		-30	5530090.11	90.11
100%		-20	5530036.39	36.39
100%		-10	5530088.97	88.97
100%		0	5530059.03	59.03
100%		+10	5530027.53	27.53
100%		+30	5530029.07	29.07
100%		+40	5530034.15	34.15
100%		+50	5530024.40	24.40
Max.	16.00	+20	5530034.70	34.70
Min.	9.00	+20	5530043.69	43.69

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 3
OPERATING FREQUENCY:	5,775,000,000 Hz
CHANNEL:	155
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775030.57	30.57
100%		-30	5775084.05	84.05
100%		-20	5775040.84	40.84
100%		-10	5775066.21	66.21
100%		0	5775011.50	11.5
100%		+10	5775087.12	87.12
100%		+30	5775061.61	61.61
100%		+40	5775066.86	66.86
100%		+50	5775085.65	85.65
Max.	16.00	+20	5775090.89	90.89
Min.	9.00	+20	5775072.10	72.1

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

[External Ant]

20 MHz BW_ Startup

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,180,000,000 Hz
CHANNEL: 36
REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180010.62	10.62
100%		-30	5180017.11	17.11
100%		-20	5180037.72	37.72
100%		-10	5180064.59	64.59
100%		0	5180021.03	21.03
100%		+10	5180035.33	35.33
100%		+30	5180034.83	34.83
100%		+40	5180094.07	94.07
100%		+50	5180061.72	61.72
Max.	16.00	+20	5180032.19	32.19
Min.	9.00	+20	5180068.14	68.14

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,260,000,000 Hz
 CHANNEL: 52
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260028.68	28.68
100%		-30	5260010.19	10.19
100%		-20	5260022.43	22.43
100%		-10	5260071.85	71.85
100%		0	5260024.38	24.38
100%		+10	5260085.25	85.25
100%		+30	5260048.38	48.38
100%		+40	5260040.76	40.76
100%		+50	5260044.95	44.95
Max.	16.00	+20	5260017.05	17.05
Min.	9.00	+20	5260086.84	86.84

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,500,000,000 Hz
CHANNEL:	100
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500040.98	40.98
100%		-30	5500030.20	30.20
100%		-20	5500051.11	51.11
100%		-10	5500043.03	43.03
100%		0	5500018.97	18.97
100%		+10	5500033.02	33.02
100%		+30	5500010.24	10.24
100%		+40	5500086.86	86.86
100%		+50	5500052.46	52.46
Max.	16.00	+20	5500052.57	52.57
Min.	9.00	+20	5500009.12	9.12

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 3
OPERATING FREQUENCY:	5,745,000,000 Hz
CHANNEL:	149
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745010.30	10.30
100%		-30	5745092.71	92.71
100%		-20	5745005.32	5.32
100%		-10	5745060.93	60.93
100%		0	5745092.26	92.26
100%		+10	5745080.52	80.52
100%		+30	5745092.98	92.98
100%		+40	5745051.84	51.84
100%		+50	5745017.88	17.88
Max.	16.00	+20	5745050.29	50.29
Min.	9.00	+20	5745005.39	5.39

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,180,000,000 Hz
 CHANNEL: 36
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180095.73	95.73
100%		-30	5180060.39	60.39
100%		-20	5180084.88	84.88
100%		-10	5180038.42	38.42
100%		0	5180027.61	27.61
100%		+10	5180003.34	3.34
100%		+30	5180025.60	25.60
100%		+40	5180021.26	21.26
100%		+50	5180004.99	4.99
Max.	16.00	+20	5180052.33	52.33
Min.	9.00	+20	5180062.43	62.43

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,260,000,000 Hz
 CHANNEL: 52
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260083.29	83.29
100%		-30	5260013.24	13.24
100%		-20	5260014.82	14.82
100%		-10	5260032.75	32.75
100%		0	5260063.78	63.78
100%		+10	5260050.61	50.61
100%		+30	5260009.24	9.24
100%		+40	5260080.86	80.86
100%		+50	5260090.72	90.72
Max.	16.00	+20	5260009.02	9.02
Min.	9.00	+20	5260062.19	62.19

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,500,000,000 Hz
CHANNEL:	100
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500027.89	27.89
100%		-30	5500008.24	8.24
100%		-20	5500017.15	17.15
100%		-10	5500058.90	58.9
100%		0	5500030.91	30.91
100%		+10	5500049.69	49.69
100%		+30	5500019.80	19.8
100%		+40	5500095.54	95.54
100%		+50	5500021.49	21.49
Max.	16.00	+20	5500094.81	94.81
Min.	9.00	+20	5500063.36	63.36

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,745,000,000 Hz
 CHANNEL: 149
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745027.39	27.39
100%		-30	5745045.67	45.67
100%		-20	5745039.20	39.2
100%		-10	5745024.76	24.76
100%		0	5745044.50	44.5
100%		+10	5745071.64	71.64
100%		+30	5745028.10	28.1
100%		+40	5745077.17	77.17
100%		+50	5745081.14	81.14
Max.	16.00	+20	5745021.48	21.48
Min.	9.00	+20	5745062.17	62.17

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

5 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,180,000,000 Hz
 CHANNEL: 36
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180052.49	52.49
100%		-30	5180010.48	10.48
100%		-20	5180005.80	5.80
100%		-10	5180086.51	86.51
100%		0	5180091.16	91.16
100%		+10	5180022.22	22.22
100%		+30	5180093.20	93.20
100%		+40	5180050.56	50.56
100%		+50	5180010.69	10.69
Max.	16.00	+20	5180029.51	29.51
Min.	9.00	+20	5180036.91	36.91

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,260,000,000 Hz
 CHANNEL: 52
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260022.23	22.23
100%		-30	5260065.90	65.90
100%		-20	5260029.02	29.02
100%		-10	5260020.92	20.92
100%		0	5260040.12	40.12
100%		+10	5260036.65	36.65
100%		+30	5260020.90	20.9
100%		+40	5260015.17	15.17
100%		+50	5260044.95	44.95
Max.	16.00	+20	5260046.08	46.08
Min.	9.00	+20	5260097.39	97.39

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,500,000,000 Hz
CHANNEL:	100
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500007.21	7.21
100%		-30	5500032.02	32.02
100%		-20	5500012.95	12.95
100%		-10	5500022.61	22.61
100%		0	5500022.80	22.8
100%		+10	5500040.67	40.67
100%		+30	5500019.85	19.85
100%		+40	5500014.34	14.34
100%		+50	5500023.12	23.12
Max.	16.00	+20	5500003.08	3.08
Min.	9.00	+20	5500019.27	19.27

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,745,000,000 Hz
 CHANNEL: 149
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745031.90	31.90
100%		-30	5745058.02	58.02
100%		-20	5745070.32	70.32
100%		-10	5745001.03	1.03
100%		0	5745053.12	53.12
100%		+10	5745016.47	16.47
100%		+30	5745004.45	4.45
100%		+40	5745012.46	12.46
100%		+50	5745043.71	43.71
Max.	16.00	+20	5745074.26	74.26
Min.	9.00	+20	5745012.03	12.03

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,180,000,000 Hz
 CHANNEL: 36
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5180037.38	37.38
100%		-30	5180093.99	93.99
100%		-20	5180002.11	2.11
100%		-10	5180063.34	63.34
100%		0	5180042.40	42.40
100%		+10	5180034.86	34.86
100%		+30	5180007.84	7.84
100%		+40	5180041.73	41.73
100%		+50	5180010.32	10.32
Max.	16.00	+20	5180093.27	93.27
Min.	9.00	+20	5180086.62	86.62

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,260,000,000 Hz
 CHANNEL: 52
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5260059.74	59.74
100%		-30	5260007.81	7.81
100%		-20	5260021.68	21.68
100%		-10	5260026.88	26.88
100%		0	5260044.44	44.44
100%		+10	5260078.23	78.23
100%		+30	5260086.68	86.68
100%		+40	5260017.38	17.38
100%		+50	5260014.54	14.54
Max.	16.00	+20	5260027.16	27.16
Min.	9.00	+20	5260022.25	22.25

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,500,000,000 Hz
CHANNEL:	100
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5500084.48	84.48
100%		-30	5500016.14	16.14
100%		-20	5500055.86	55.86
100%		-10	5500069.43	69.43
100%		0	5500003.09	3.09
100%		+10	5500071.88	71.88
100%		+30	5500036.55	36.55
100%		+40	5500054.15	54.15
100%		+50	5500058.57	58.57
Max.	16.00	+20	5500089.68	89.68
Min.	9.00	+20	5500066.51	66.51

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,745,000,000 Hz
 CHANNEL: 149
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5745027.30	27.30
100%		-30	5745012.04	12.04
100%		-20	5745085.92	85.92
100%		-10	5745057.73	57.73
100%		0	5745009.35	9.35
100%		+10	5745076.14	76.14
100%		+30	5745092.40	92.4
100%		+40	5745087.49	87.49
100%		+50	5745037.68	37.68
Max.	16.00	+20	5745018.91	18.91
Min.	9.00	+20	5745082.74	82.74

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

40 MHz BW_ Startup

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,190,000,000 Hz
CHANNEL: 38
REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190074.44	74.44
100%		-30	5190079.54	79.54
100%		-20	5190034.09	34.09
100%		-10	5190070.53	70.53
100%		0	5190026.50	26.50
100%		+10	5190066.44	66.44
100%		+30	5190039.46	39.46
100%		+40	5190066.74	66.74
100%		+50	5190081.04	81.04
Max.	16.00	+20	5190067.19	67.19
Min.	9.00	+20	5190085.99	85.99

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270045.17	45.17
100%		-30	5270042.42	42.42
100%		-20	5270008.32	8.32
100%		-10	5270089.64	89.64
100%		0	5270011.45	11.45
100%		+10	5270035.17	35.17
100%		+30	5270036.90	36.9
100%		+40	5270091.92	91.92
100%		+50	5270094.86	94.86
Max.	16.00	+20	5270048.05	48.05
Min.	9.00	+20	5270096.28	96.28

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,510,000,000 Hz
CHANNEL:	102
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510027.45	27.45
100%		-30	5510098.43	98.43
100%		-20	5510020.24	20.24
100%		-10	5510034.45	34.45
100%		0	5510054.60	54.6
100%		+10	5510084.14	84.14
100%		+30	5510017.73	17.73
100%		+40	5510070.06	70.06
100%		+50	5510038.23	38.23
Max.	16.00	+20	5510075.56	75.56
Min.	9.00	+20	5510001.43	1.43

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 3
OPERATING FREQUENCY:	5,755,000,000 Hz
CHANNEL:	151
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755039.27	39.27
100%		-30	5755087.97	87.97
100%		-20	5755084.83	84.83
100%		-10	5755043.12	43.12
100%		0	5755008.20	8.2
100%		+10	5755057.44	57.44
100%		+30	5755017.91	17.91
100%		+40	5755065.76	65.76
100%		+50	5755058.11	58.11
Max.	16.00	+20	5755041.67	41.67
Min.	9.00	+20	5755079.11	79.11

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,190,000,000 Hz
 CHANNEL: 38
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190005.42	5.42
100%		-30	5190085.44	85.44
100%		-20	5190076.48	76.48
100%		-10	5190013.29	13.29
100%		0	5190042.61	42.61
100%		+10	5190061.71	61.71
100%		+30	5190087.47	87.47
100%		+40	5190061.90	61.90
100%		+50	5190085.03	85.03
Max.	16.00	+20	5190091.51	91.51
Min.	9.00	+20	5190011.95	11.95

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270028.78	28.78
100%		-30	5270057.76	57.76
100%		-20	5270085.82	85.82
100%		-10	5270053.81	53.81
100%		0	5270059.46	59.46
100%		+10	5270008.89	8.89
100%		+30	5270066.45	66.45
100%		+40	5270040.54	40.54
100%		+50	5270048.14	48.14
Max.	16.00	+20	5270067.59	67.59
Min.	9.00	+20	5270037.78	37.78

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,510,000,000 Hz
CHANNEL:	102
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510073.60	73.60
100%		-30	5510089.13	89.13
100%		-20	5510073.17	73.17
100%		-10	5510019.52	19.52
100%		0	5510089.49	89.49
100%		+10	5510092.42	92.42
100%		+30	5510096.10	96.1
100%		+40	5510086.32	86.32
100%		+50	5510095.86	95.86
Max.	16.00	+20	5510073.67	73.67
Min.	9.00	+20	5510099.69	99.69

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,755,000,000 Hz
 CHANNEL: 151
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755085.18	85.18
100%		-30	5755018.73	18.73
100%		-20	5755002.10	2.1
100%		-10	5755082.44	82.44
100%		0	5755052.66	52.66
100%		+10	5755096.85	96.85
100%		+30	5755049.28	49.28
100%		+40	5755017.54	17.54
100%		+50	5755031.29	31.29
Max.	16.00	+20	5755023.70	23.70
Min.	9.00	+20	5755077.19	77.19

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

5 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,190,000,000 Hz
 CHANNEL: 38
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190016.85	16.85
100%		-30	5190037.73	37.73
100%		-20	5190068.77	68.77
100%		-10	5190005.71	5.71
100%		0	5190012.35	12.35
100%		+10	5190047.86	47.86
100%		+30	5190071.46	71.46
100%		+40	5190073.71	73.71
100%		+50	5190043.21	43.21
Max.	16.00	+20	5190020.48	20.48
Min.	9.00	+20	5190022.92	22.92

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270069.24	69.24
100%		-30	5270037.32	37.32
100%		-20	5270054.70	54.7
100%		-10	5270091.85	91.85
100%		0	5270091.80	91.8
100%		+10	5270070.39	70.39
100%		+30	5270071.53	71.53
100%		+40	5270013.86	13.86
100%		+50	5270019.37	19.37
Max.	16.00	+20	5270011.35	11.35
Min.	9.00	+20	5270045.70	45.7

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,510,000,000 Hz
CHANNEL:	102
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510092.03	92.03
100%		-30	5510030.92	30.92
100%		-20	5510082.37	82.37
100%		-10	5510012.63	12.63
100%		0	5510059.43	59.43
100%		+10	5510081.11	81.11
100%		+30	5510030.40	30.4
100%		+40	5510089.70	89.7
100%		+50	5510026.38	26.38
Max.	16.00	+20	5510057.21	57.21
Min.	9.00	+20	5510097.23	97.23

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,755,000,000 Hz
 CHANNEL: 151
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755009.58	9.58
100%		-30	5755032.79	32.79
100%		-20	5755041.56	41.56
100%		-10	5755087.19	87.19
100%		0	5755022.35	22.35
100%		+10	5755050.63	50.63
100%		+30	5755088.12	88.12
100%		+40	5755067.19	67.19
100%		+50	5755068.09	68.09
Max.	16.00	+20	5755084.65	84.65
Min.	9.00	+20	5755017.18	17.18

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,190,000,000 Hz
 CHANNEL: 38
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5190075.27	75.27
100%		-30	5190019.99	19.99
100%		-20	5190008.89	8.89
100%		-10	5190012.63	12.63
100%		0	5190076.77	76.77
100%		+10	5190049.67	49.67
100%		+30	5190048.50	48.50
100%		+40	5190043.60	43.60
100%		+50	5190094.06	94.06
Max.	16.00	+20	5190043.63	43.63
Min.	9.00	+20	5190042.81	42.81

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5270049.10	49.10
100%		-30	5270070.11	70.11
100%		-20	5270003.39	3.39
100%		-10	5270002.37	2.37
100%		0	5270002.73	2.73
100%		+10	5270020.76	20.76
100%		+30	5270013.32	13.32
100%		+40	5270053.09	53.09
100%		+50	5270005.77	5.77
Max.	16.00	+20	5270061.58	61.58
Min.	9.00	+20	5270043.60	43.6

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,510,000,000 Hz
CHANNEL:	102
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5510044.77	44.77
100%		-30	5510077.04	77.04
100%		-20	5510087.73	87.73
100%		-10	5510071.45	71.45
100%		0	5510026.39	26.39
100%		+10	5510045.95	45.95
100%		+30	5510057.27	57.27
100%		+40	5510094.29	94.29
100%		+50	5510012.20	12.20
Max.	16.00	+20	5510031.84	31.84
Min.	9.00	+20	5510006.39	6.39

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 3
OPERATING FREQUENCY:	5,755,000,000 Hz
CHANNEL:	151
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5755068.28	68.28
100%		-30	5755073.58	73.58
100%		-20	5755087.02	87.02
100%		-10	5755008.80	8.8
100%		0	5755057.34	57.34
100%		+10	5755059.49	59.49
100%		+30	5755037.45	37.45
100%		+40	5755004.38	4.38
100%		+50	5755040.39	40.39
Max.	16.00	+20	5755076.56	76.56
Min.	9.00	+20	5755085.21	85.21

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

80 MHz BW_ Startup

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210078.77	78.77
100%		-30	5210008.08	8.08
100%		-20	5210076.43	76.43
100%		-10	5210057.70	57.70
100%		0	5210028.99	28.99
100%		+10	5210089.58	89.58
100%		+30	5210042.37	42.37
100%		+40	5210091.93	91.93
100%		+50	5210062.20	62.20
Max.	16.00	+20	5210073.57	73.57
Min.	9.00	+20	5210017.92	17.92

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290059.34	59.34
100%		-30	5290025.94	25.94
100%		-20	5290095.86	95.86
100%		-10	5290088.11	88.11
100%		0	5290070.39	70.39
100%		+10	5290047.90	47.9
100%		+30	5290022.94	22.94
100%		+40	5290005.25	5.25
100%		+50	5290065.18	65.18
Max.	16.00	+20	5290065.89	65.89
Min.	9.00	+20	5290094.28	94.28

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530045.78	45.78
100%		-30	5530049.33	49.33
100%		-20	5530070.42	70.42
100%		-10	5530031.75	31.75
100%		0	5530021.21	21.21
100%		+10	5530026.75	26.75
100%		+30	5530097.96	97.96
100%		+40	5530016.58	16.58
100%		+50	5530012.62	12.62
Max.	16.00	+20	5530038.20	38.20
Min.	9.00	+20	5530009.74	9.74

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775072.26	72.26
100%		-30	5775007.81	7.81
100%		-20	5775075.31	75.31
100%		-10	5775031.10	31.1
100%		0	5775026.68	26.68
100%		+10	5775071.47	71.47
100%		+30	5775013.40	13.4
100%		+40	5775050.05	50.05
100%		+50	5775065.65	65.65
Max.	16.00	+20	5775066.49	66.49
Min.	9.00	+20	5775009.60	9.6

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

2 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210020.45	20.45
100%		-30	5210001.37	1.37
100%		-20	5210006.16	6.16
100%		-10	5210091.42	91.42
100%		0	5210013.53	13.53
100%		+10	5210095.70	95.70
100%		+30	5210089.52	89.52
100%		+40	5210069.27	69.27
100%		+50	5210012.64	12.64
Max.	16.00	+20	5210010.53	10.53
Min.	9.00	+20	5210059.91	59.91

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290062.30	62.30
100%		-30	5290051.25	51.25
100%		-20	5290033.79	33.79
100%		-10	5290059.88	59.88
100%		0	5290042.37	42.37
100%		+10	5290070.31	70.31
100%		+30	5290083.85	83.85
100%		+40	5290018.34	18.34
100%		+50	5290071.66	71.66
Max.	16.00	+20	5290012.41	12.41
Min.	9.00	+20	5290003.68	3.68

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530090.91	90.91
100%		-30	5530076.86	76.86
100%		-20	5530016.48	16.48
100%		-10	5530021.18	21.18
100%		0	5530022.68	22.68
100%		+10	5530027.37	27.37
100%		+30	5530029.60	29.6
100%		+40	5530098.04	98.04
100%		+50	5530033.67	33.67
Max.	16.00	+20	5530056.61	56.61
Min.	9.00	+20	5530028.79	28.79

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775048.41	48.41
100%		-30	5775004.90	4.90
100%		-20	5775021.18	21.18
100%		-10	5775086.74	86.74
100%		0	5775025.32	25.32
100%		+10	5775013.39	13.39
100%		+30	5775087.37	87.37
100%		+40	5775099.61	99.61
100%		+50	5775072.04	72.04
Max.	16.00	+20	5775005.97	5.97
Min.	9.00	+20	5775009.38	9.38

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

5 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210040.07	40.07
100%		-30	5210089.85	89.85
100%		-20	5210034.46	34.46
100%		-10	5210034.60	34.60
100%		0	5210045.49	45.49
100%		+10	5210079.58	79.58
100%		+30	5210098.55	98.55
100%		+40	5210007.95	7.95
100%		+50	5210082.37	82.37
Max.	16.00	+20	5210095.24	95.24
Min.	9.00	+20	5210092.32	92.32

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290087.45	87.45
100%		-30	5290020.95	20.95
100%		-20	5290068.36	68.36
100%		-10	5290082.17	82.17
100%		0	5290031.11	31.11
100%		+10	5290083.76	83.76
100%		+30	5290041.21	41.21
100%		+40	5290014.31	14.31
100%		+50	5290070.38	70.38
Max.	16.00	+20	5290021.07	21.07
Min.	9.00	+20	5290076.83	76.83

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530051.70	51.70
100%		-30	5530095.98	95.98
100%		-20	5530091.18	91.18
100%		-10	5530023.67	23.67
100%		0	5530092.48	92.48
100%		+10	5530027.76	27.76
100%		+30	5530013.22	13.22
100%		+40	5530072.45	72.45
100%		+50	5530085.59	85.59
Max.	16.00	+20	5530078.81	78.81
Min.	9.00	+20	5530069.80	69.8

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775003.45	3.45
100%		-30	5775066.16	66.16
100%		-20	5775072.42	72.42
100%		-10	5775042.85	42.85
100%		0	5775080.54	80.54
100%		+10	5775044.44	44.44
100%		+30	5775017.04	17.04
100%		+40	5775007.46	7.46
100%		+50	5775022.38	22.38
Max.	16.00	+20	5775017.56	17.56
Min.	9.00	+20	5775065.92	65.92

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10 minutes

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5210048.91	48.91
100%		-30	5210026.68	26.68
100%		-20	5210003.51	3.51
100%		-10	5210068.81	68.81
100%		0	5210091.51	91.51
100%		+10	5210023.98	23.98
100%		+30	5210058.68	58.68
100%		+40	5210064.11	64.11
100%		+50	5210014.71	14.71
Max.	16.00	+20	5210056.23	56.23
Min.	9.00	+20	5210003.39	3.39

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5290085.13	85.13
100%		-30	5290054.50	54.50
100%		-20	5290036.41	36.41
100%		-10	5290018.26	18.26
100%		0	5290088.95	88.95
100%		+10	5290041.37	41.37
100%		+30	5290006.14	6.14
100%		+40	5290052.55	52.55
100%		+50	5290016.42	16.42
Max.	16.00	+20	5290077.96	77.96
Min.	9.00	+20	5290066.42	66.42

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND:	UNII Band 2C
OPERATING FREQUENCY:	5,530,000,000 Hz
CHANNEL:	106
REFERENCE VOLTAGE:	12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5530070.92	70.92
100%		-30	5530085.36	85.36
100%		-20	5530091.72	91.72
100%		-10	5530010.93	10.93
100%		0	5530089.71	89.71
100%		+10	5530022.77	22.77
100%		+30	5530043.99	43.99
100%		+40	5530021.62	21.62
100%		+50	5530021.77	21.77
Max.	16.00	+20	5530006.06	6.06
Min.	9.00	+20	5530003.03	3.03

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 12.0 VDC

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	12.00	+20(Ref)	5775038.72	38.72
100%		-30	5775070.08	70.08
100%		-20	5775036.48	36.48
100%		-10	5775019.39	19.39
100%		0	5775049.33	49.33
100%		+10	5775009.29	9.29
100%		+30	5775019.79	19.79
100%		+40	5775054.19	54.19
100%		+50	5775017.16	17.16
Max.	16.00	+20	5775063.54	63.54
Min.	9.00	+20	5775011.28	11.28

Note:

Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency error noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

10.7 RADIATED MEASUREMENT**10.7.1 RADIATED SPURIOUS EMISSIONS.****Test Requirements and limit, §15.205, §15.209, §15.407**

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

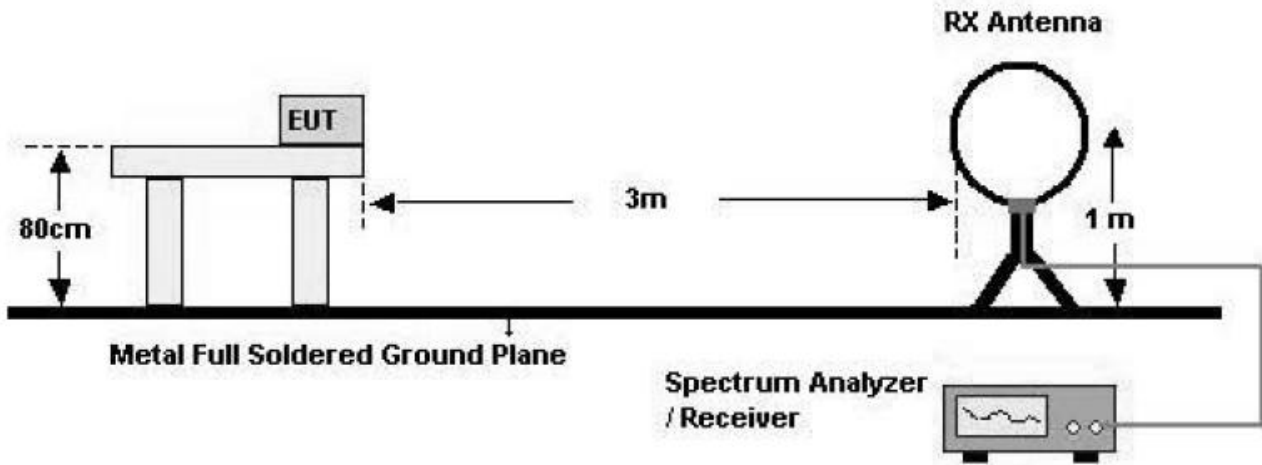
■ §15.407,RSS-247, KDB 789033 D02

All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBµV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions of 68.2 dBµV/m.

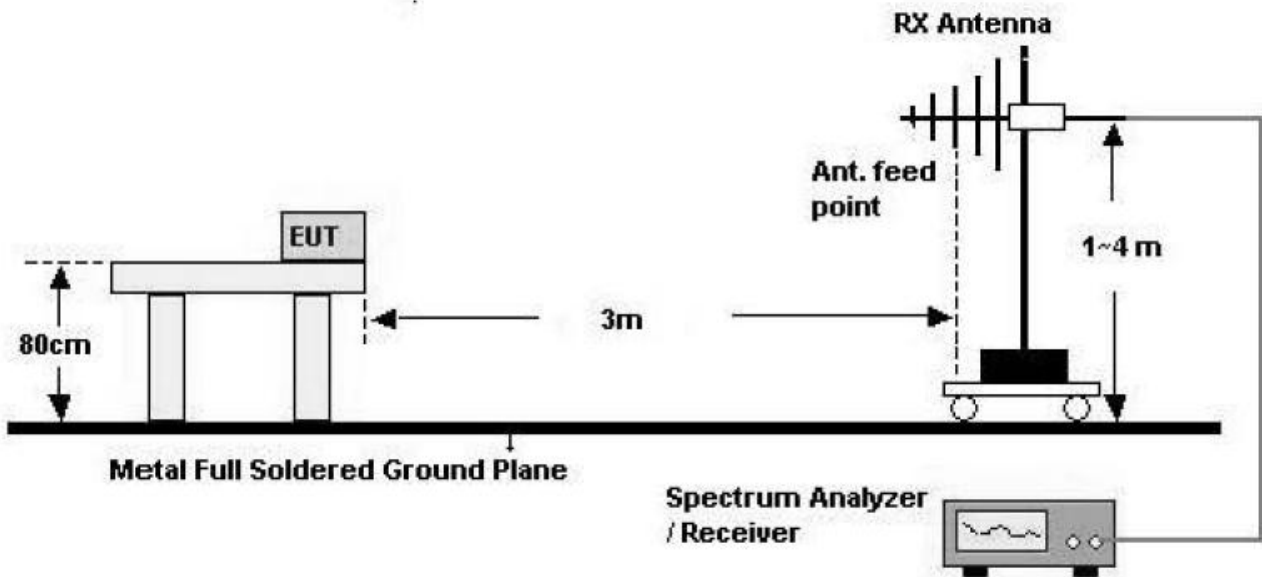
Especially, for transmitter operating in the 5725 Mhz – 5850 MHz : All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

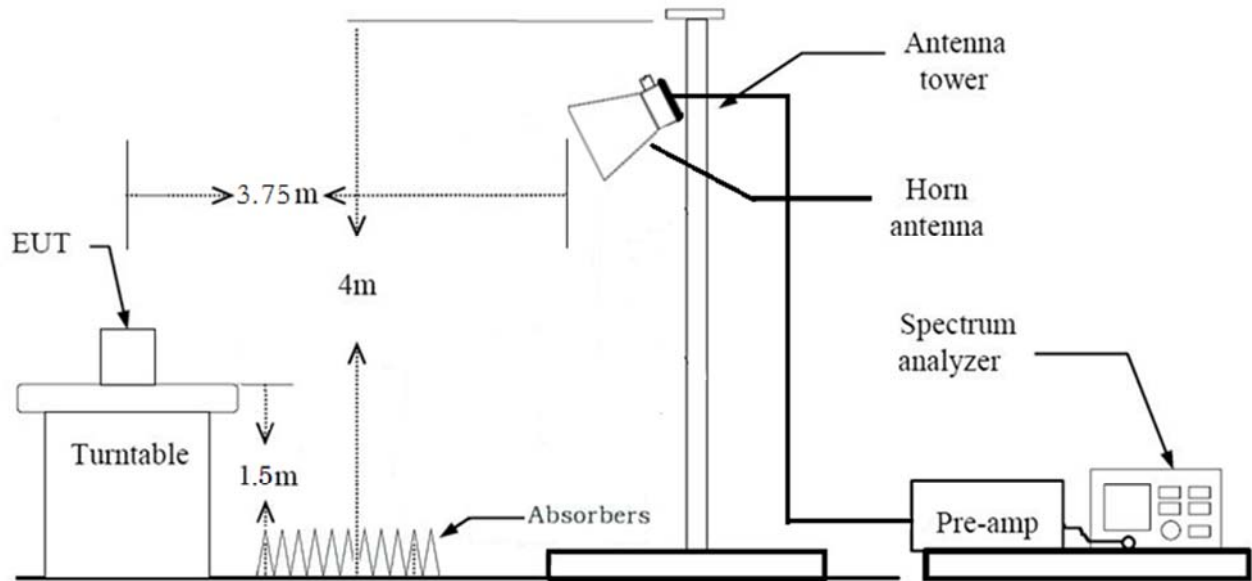
Test Configuration

Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz**TEST PROCEDURE USED**

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v02r01 (Peak)

Method G)6)d) in KDB 789033 D02 v02r01 (Average)

. Spectrum setting:

- Peak.

1. RBW = 1 MHz

2. VBW $\geq$ 3 MHz

3. Detector = Peak

4. Sweep Time = auto

5. Trace mode = max hold

6. Allow sweeps to continue until the trace stabilizes.

7. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately $1/x$, where x is the duty cycle.

- Average (Method VB :Averaging using reduced video bandwidth)

1. RBW = 1 MHz

2. VBW

2.1. If the EUT is configured to transmit with duty cycle ≥ 98 percent, set $VBW \leq RBW/100$ (i.e., 10 kHz) but not less than 10 Hz.

2.2. If the EUT duty cycle is < 98 percent, set $VBW \geq 1/T$, where T is the minimum transmission duration.

3. The analyzer is set to linear detector mode.

4. Detector = Peak.

5. Sweep time = auto.

6. Trace mode = max hold.

7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

Note :

1. We used the Method VB for 802.11a/n_HT20, n_HT40, ac_VHT20, 40, 80 mode to perform the average filed strength measurements.

2. The actual setting value of VBW for 802.11a/n_HT20, n_HT40, ac_VHT20, 40, 80

3. According to SVSWR requirement in ANSI 63.4-2014, We performed the radiated test at 3.75 m distance from center of turn table. So, we applied the distance factor(reference distance : 3 m).

4. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

[Internal Ant]

Mode	Worst Data rate (Mbps)	T _{on} (ms)	T _{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	6	2.067	2.167	0.95399853	484	1000
n_HT20	MCS 0	1.919	2.020	0.95010395	521	1000
ac_VHT20	MCS 0	1.932	2.033	0.95000320	518	1000
n_HT40	MCS 0	0.943	1.045	0.90238868	1061	3000
ac_VHT40	MCS 0	0.952	1.054	0.90322581	1050	3000
ac_VHT80	MCS 0	0.460	0.561	0.82020143	2173	3000

[External Ant]

Mode	Worst Data rate (Mbps)	T _{on} (ms)	T _{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	6	2.063	2.167	0.95200007	485	1000
n_HT20	MCS 0	0.980	1.081	0.90630696	1021	1000
ac_VHT20	MCS 0	1.932	2.033	0.95000320	518	1000
n_HT40	MCS 0	0.942	1.044	0.90296741	1061	3000
ac_VHT40	MCS 0	0.953	1.054	0.90392125	1050	3000
ac_VHT80	MCS 0	0.460	0.561	0.81996435	2174	3000

TEST RESULTS**9 kHz – 30MHz****Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB μ V	dB /m	dB	(H/V)	dB μ V/m	dB μ V/m	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)
4. Limit line = specific Limits (dBuV) + Distance extrapolation factor
5. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. The test results for below 30 MHz is correlated to an open site.
The result on OATS is about 2 dB higher than semi-anechoic chamber (10 m chamber)

TEST RESULTS**Below 1 GHz****Operation Mode:** Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	$\text{dB}_{\mu\text{V}}$	dB /m	dB	(H/V)	$\text{dB}_{\mu\text{V}}/\text{m}$	$\text{dB}_{\mu\text{V}}/\text{m}$	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Above 1 GHz

[Internal Ant]

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	53.10	4.47	V	57.57	68.20	10.63	PK
15540	59.95	1.80	V	61.75	73.98	12.23	PK
15540	42.78	1.80	V	44.58	53.98	9.40	AV
10360	52.96	4.47	H	57.43	68.20	10.77	PK
15540	59.85	1.80	H	61.65	73.98	12.33	PK
15540	42.69	1.80	H	44.49	53.98	9.49	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.91	3.22	V	56.13	68.20	12.07	PK
15600	59.87	1.06	V	60.93	73.98	13.05	PK
15600	42.64	1.06	V	43.70	53.98	10.28	AV
10400	52.18	3.22	H	55.40	68.20	12.80	PK
15600	59.35	1.06	H	60.41	73.98	13.57	PK
15600	42.09	1.06	H	43.15	53.98	10.83	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	53.66	3.53	V	57.19	68.20	11.01	PK
15720	65.61	1.54	V	67.15	73.98	6.83	PK
15720	48.85	1.54	V	50.39	53.98	3.59	AV
10480	53.55	3.53	H	57.08	68.20	11.12	PK
15720	65.11	1.54	H	66.65	73.98	7.33	PK
15720	48.51	1.54	H	50.05	53.98	3.93	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	52.99	4.47	V	57.46	68.20	10.74	PK
15540	59.65	1.80	V	61.45	73.98	12.53	PK
15540	42.64	1.80	V	44.44	53.98	9.54	AV
10360	52.75	4.47	H	57.22	68.20	10.98	PK
15540	59.48	1.80	H	61.28	73.98	12.70	PK
15540	42.59	1.80	H	44.39	53.98	9.59	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.87	3.22	V	56.09	68.20	12.11	PK
15600	59.66	1.06	V	60.72	73.98	13.26	PK
15600	42.58	1.06	V	43.64	53.98	10.34	AV
10400	52.14	3.22	H	55.36	68.20	12.84	PK
15600	59.24	1.06	H	60.30	73.98	13.68	PK
15600	42.31	1.06	H	43.37	53.98	10.61	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	53.47	3.53	V	57.00	68.20	11.20	PK
15720	65.57	1.54	V	67.11	73.98	6.87	PK
15720	48.64	1.54	V	50.18	53.98	3.80	AV
10480	53.40	3.53	H	56.93	68.20	11.27	PK
15720	65.04	1.54	H	66.58	73.98	7.40	PK
15720	48.22	1.54	H	49.76	53.98	4.22	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = 20 log (test distance / specific distance) (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	52.97	4.47	V	57.44	68.20	10.76	PK
15540	59.71	1.80	V	61.51	73.98	12.47	PK
15540	42.51	1.80	V	44.31	53.98	9.67	AV
10360	52.67	4.47	H	57.14	68.20	11.06	PK
15540	59.44	1.80	H	61.24	73.98	12.74	PK
15540	42.43	1.80	H	44.23	53.98	9.75	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	52.69	3.22	V	55.91	68.20	12.29	PK
15600	59.45	1.06	V	60.51	73.98	13.47	PK
15600	42.46	1.06	V	43.52	53.98	10.46	AV
10400	52.45	3.22	H	55.67	68.20	12.53	PK
15600	59.11	1.06	H	60.17	73.98	13.81	PK
15600	42.51	1.06	H	43.57	53.98	10.41	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	53.40	3.53	V	56.93	68.20	11.27	PK
15720	65.40	1.54	V	66.94	73.98	7.04	PK
15720	48.54	1.54	V	50.08	53.98	3.90	AV
10480	53.29	3.53	H	56.82	68.20	11.38	PK
15720	64.98	1.54	H	66.52	73.98	7.46	PK
15720	48.31	1.54	H	49.85	53.98	4.13	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	52.95	2.88	V	55.83	68.20	12.37	PK
15570	53.95	1.57	V	55.52	73.98	18.46	PK
15570	41.19	1.57	V	42.76	53.98	11.22	AV
10380	52.86	2.88	H	55.74	68.20	12.46	PK
15570	53.69	1.57	H	55.26	73.98	18.72	PK
15570	41.05	1.57	H	42.62	53.98	11.36	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	53.91	3.56	V	57.47	68.20	10.73	PK
15690	57.95	1.38	V	59.33	73.98	14.65	PK
15690	42.32	1.38	V	43.70	53.98	10.28	AV
10460	53.46	3.56	H	57.02	68.20	11.18	PK
15690	57.87	1.38	H	59.25	73.98	14.73	PK
15690	42.28	1.38	H	43.66	53.98	10.32	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	52.65	2.88	V	55.53	68.20	12.67	PK
15570	53.84	1.57	V	55.41	73.98	18.57	PK
15570	40.94	1.57	V	42.51	53.98	11.47	AV
10380	52.69	2.88	H	55.57	68.20	12.63	PK
15570	53.57	1.57	H	55.14	73.98	18.84	PK
15570	41.11	1.57	H	42.68	53.98	11.30	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	53.45	3.56	V	57.01	68.20	11.19	PK
15690	56.97	1.38	V	58.35	73.98	15.63	PK
15690	41.89	1.38	V	43.27	53.98	10.71	AV
10460	53.31	3.56	H	56.87	68.20	11.33	PK
15690	56.77	1.38	H	58.15	73.98	15.83	PK
15690	41.84	1.38	H	43.22	53.98	10.76	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	52.55	2.64	V	55.19	68.20	13.01	PK
15630	52.46	1.84	V	54.30	73.98	19.68	PK
15630	39.20	1.84	V	41.04	53.98	12.94	AV
10420	52.49	2.64	H	55.13	68.20	13.07	PK
15630	52.12	1.84	H	53.96	73.98	20.02	PK
15630	39.17	1.84	H	41.01	53.98	12.97	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	52.98	2.35	V	55.33	68.20	12.87	PK
15780	64.54	2.07	V	66.61	73.98	7.37	PK
15780	47.93	2.07	V	50.00	53.98	3.98	AV
10520	52.86	2.35	H	55.21	68.20	12.99	PK
15780	64.31	2.07	H	66.38	73.98	7.60	PK
15780	47.69	2.07	H	49.76	53.98	4.22	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.95	3.16	V	57.11	73.98	16.87	PK
10600	41.23	3.16	V	44.39	53.98	9.59	AV
15900	65.06	1.23	V	66.29	73.98	7.69	PK
15900	48.24	1.23	V	49.47	53.98	4.51	AV
10600	53.85	3.16	H	57.01	73.98	16.97	PK
10600	41.16	3.16	H	44.32	53.98	9.66	AV
15900	64.98	1.23	H	66.21	73.98	7.77	PK
15900	48.11	1.23	H	49.34	53.98	4.64	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	52.90	3.07	V	55.97	73.98	18.01	PK
10640	41.31	3.07	V	44.38	53.98	9.60	AV
15960	65.35	2.06	V	67.41	73.98	6.57	PK
15960	48.35	2.06	V	50.41	53.98	3.57	AV
10640	52.82	3.07	H	55.89	73.98	18.09	PK
10640	41.29	3.07	H	44.36	53.98	9.62	AV
15960	65.22	2.06	H	67.28	73.98	6.70	PK
15960	48.16	2.06	H	50.22	53.98	3.76	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	52.79	2.35	V	55.14	68.20	13.06	PK
15780	64.49	2.07	V	66.56	73.98	7.42	PK
15780	47.81	2.07	V	49.88	53.98	4.10	AV
10520	52.75	2.35	H	55.10	68.20	13.10	PK
15780	64.28	2.07	H	66.35	73.98	7.63	PK
15780	47.66	2.07	H	49.73	53.98	4.25	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.78	3.16	V	56.94	73.98	17.04	PK
10600	41.19	3.16	V	44.35	53.98	9.63	AV
15900	64.94	1.23	V	66.17	73.98	7.81	PK
15900	48.18	1.23	V	49.41	53.98	4.57	AV
10600	53.55	3.16	H	56.71	73.98	17.27	PK
10600	41.20	3.16	H	44.36	53.98	9.62	AV
15900	64.70	1.23	H	65.93	73.98	8.05	PK
15900	48.01	1.23	H	49.24	53.98	4.74	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	52.47	3.07	V	55.54	73.98	18.44	PK
10640	41.21	3.07	V	44.28	53.98	9.70	AV
15960	65.18	2.06	V	67.24	73.98	6.74	PK
15960	48.30	2.06	V	50.36	53.98	3.62	AV
10640	52.75	3.07	H	55.82	73.98	18.16	PK
10640	41.19	3.07	H	44.26	53.98	9.72	AV
15960	65.17	2.06	H	67.23	73.98	6.75	PK
15960	48.23	2.06	H	50.29	53.98	3.69	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	52.72	2.35	V	55.07	68.20	13.13	PK
15780	64.47	2.07	V	66.54	73.98	7.44	PK
15780	47.69	2.07	V	49.76	53.98	4.22	AV
10520	53.10	2.35	H	55.45	68.20	12.75	PK
15780	64.12	2.07	H	66.19	73.98	7.79	PK
15780	47.58	2.07	H	49.65	53.98	4.33	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	53.81	3.16	V	56.97	73.98	17.01	PK
10600	41.37	3.16	V	44.53	53.98	9.45	AV
15900	64.80	1.23	V	66.03	73.98	7.95	PK
15900	48.21	1.23	V	49.44	53.98	4.54	AV
10600	53.49	3.16	H	56.65	73.98	17.33	PK
10600	41.16	3.16	H	44.32	53.98	9.66	AV
15900	64.87	1.23	H	66.10	73.98	7.88	PK
15900	48.13	1.23	H	49.36	53.98	4.62	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	54.10	3.07	V	57.17	73.98	16.81	PK
10640	41.29	3.07	V	44.36	53.98	9.62	AV
15960	64.99	2.06	V	67.05	73.98	6.93	PK
15960	48.19	2.06	V	50.25	53.98	3.73	AV
10640	53.65	3.07	H	56.72	73.98	17.26	PK
10640	41.34	3.07	H	44.41	53.98	9.57	AV
15960	64.84	2.06	H	66.90	73.98	7.08	PK
15960	48.11	2.06	H	50.17	53.98	3.81	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	52.68	3.85	V	56.53	68.20	11.67	PK
15810	62.14	2.79	V	64.93	73.98	9.05	PK
15810	46.84	2.79	V	49.63	53.98	4.35	AV
10540	52.53	3.85	H	56.38	68.20	11.82	PK
15810	62.02	2.79	H	64.81	73.98	9.17	PK
15810	46.71	2.79	H	49.50	53.98	4.48	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.10	2.96	V	56.06	73.98	17.92	PK
10620	39.59	2.96	V	42.55	53.98	11.43	AV
15930	55.60	1.43	V	57.03	73.98	16.95	PK
15930	41.23	1.43	V	42.66	53.98	11.32	AV
10620	53.54	2.96	H	56.50	73.98	17.48	PK
10620	39.56	2.96	H	42.52	53.98	11.46	AV
15930	55.16	1.43	H	56.59	73.98	17.39	PK
15930	41.12	1.43	H	42.55	53.98	11.43	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	52.69	3.85	V	56.54	68.20	11.66	PK
15810	62.04	2.79	V	64.83	73.98	9.15	PK
15810	46.65	2.79	V	49.44	53.98	4.54	AV
10540	52.71	3.85	H	56.56	68.20	11.64	PK
15810	61.98	2.79	H	64.77	73.98	9.21	PK
15810	46.44	2.79	H	49.23	53.98	4.75	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	53.04	2.96	V	56.00	73.98	17.98	PK
10620	39.78	2.96	V	42.74	53.98	11.24	AV
15930	55.76	1.43	V	57.19	73.98	16.79	PK
15930	41.56	1.43	V	42.99	53.98	10.99	AV
10620	53.41	2.96	H	56.37	73.98	17.61	PK
10620	39.43	2.96	H	42.39	53.98	11.59	AV
15930	55.97	1.43	H	57.40	73.98	16.58	PK
15930	41.71	1.43	H	43.14	53.98	10.84	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	52.39	2.79	V	55.18	68.20	13.02	PK
15870	52.33	2.47	V	54.80	73.98	19.18	PK
15870	39.11	2.47	V	41.58	53.98	12.40	AV
10580	52.24	2.79	H	55.03	68.20	13.17	PK
15870	52.37	2.47	H	54.84	73.98	19.14	PK
15870	39.04	2.47	H	41.51	53.98	12.47	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	49.38	3.36	V	52.74	73.98	21.24	PK
11000	35.99	3.36	V	39.35	53.98	14.63	AV
16500	51.93	5.07	V	57.00	68.20	11.20	PK
11000	49.56	3.36	H	52.92	73.98	21.06	PK
11000	36.10	3.36	H	39.46	53.98	14.52	AV
16500	51.81	5.07	H	56.88	68.20	11.32	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	49.87	4.07	V	53.94	73.98	20.04	PK
11160	36.87	4.07	V	40.94	53.98	13.04	AV
16740	58.03	4.79	V	62.82	68.20	5.38	PK
11160	49.90	4.07	H	53.97	73.98	20.01	PK
11160	36.79	4.07	H	40.86	53.98	13.12	AV
16740	57.95	4.79	H	62.74	68.20	5.46	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	55.91	3.57	V	59.48	73.98	14.50	PK
11440	41.23	3.57	V	44.80	53.98	9.18	AV
17160	58.26	5.24	V	63.50	68.20	4.70	PK
11440	55.47	3.57	H	59.04	73.98	14.94	PK
11440	41.14	3.57	H	44.71	53.98	9.27	AV
17160	57.51	5.24	H	62.75	68.20	5.45	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	50.10	3.36	V	53.46	73.98	20.52	PK
11000	36.26	3.36	V	39.62	53.98	14.36	AV
16500	51.98	5.07	V	57.05	68.20	11.15	PK
11000	49.81	3.36	H	53.17	73.98	20.81	PK
11000	36.24	3.36	H	39.60	53.98	14.38	AV
16500	51.58	5.07	H	56.65	68.20	11.55	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	49.96	4.07	V	54.03	73.98	19.95	PK
11160	36.91	4.07	V	40.98	53.98	13.00	AV
16740	57.33	4.79	V	62.12	68.20	6.08	PK
11160	49.82	4.07	H	53.89	73.98	20.09	PK
11160	36.49	4.07	H	40.56	53.98	13.42	AV
16740	57.12	4.79	H	61.91	68.20	6.29	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	55.94	3.57	V	59.51	73.98	14.47	PK
11440	41.18	3.57	V	44.75	53.98	9.23	AV
17160	58.13	5.24	V	63.37	68.20	4.83	PK
11440	55.81	3.57	H	59.38	73.98	14.60	PK
11440	41.16	3.57	H	44.73	53.98	9.25	AV
17160	57.94	5.24	H	63.18	68.20	5.02	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_ HT20. Worst case is MCS0 in 802.11n_ HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	50.13	3.36	V	53.49	73.98	20.49	PK
11000	36.40	3.36	V	39.76	53.98	14.22	AV
16500	51.84	5.07	V	56.91	68.20	11.29	PK
11000	49.88	3.36	H	53.24	73.98	20.74	PK
11000	36.18	3.36	H	39.54	53.98	14.44	AV
16500	51.43	5.07	H	56.50	68.20	11.70	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	49.97	4.07	V	54.04	73.98	19.94	PK
11160	36.21	4.07	V	40.28	53.98	13.70	AV
16740	57.62	4.79	V	62.41	68.20	5.79	PK
11160	49.88	4.07	H	53.95	73.98	20.03	PK
11160	36.34	4.07	H	40.41	53.98	13.57	AV
16740	57.06	4.79	H	61.85	68.20	6.35	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	56.13	3.57	V	59.70	73.98	14.28	PK
11440	41.20	3.57	V	44.77	53.98	9.21	AV
17160	58.07	5.24	V	63.31	68.20	4.89	PK
11440	55.96	3.57	H	59.53	73.98	14.45	PK
11440	41.19	3.57	H	44.76	53.98	9.22	AV
17160	58.19	5.24	H	63.43	68.20	4.77	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	50.10	2.97	V	53.07	73.98	20.91	PK
11020	35.98	2.97	V	38.95	53.98	15.03	AV
16530	51.36	4.15	V	55.51	68.20	12.69	PK
11020	49.91	2.97	H	52.88	73.98	21.10	PK
11020	35.75	2.97	H	38.72	53.98	15.26	AV
16530	51.29	4.15	H	55.44	68.20	12.76	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	49.99	2.79	V	52.78	73.98	21.20	PK
11100	36.18	2.79	V	38.97	53.98	15.01	AV
16650	56.89	7.19	V	64.08	68.20	4.12	PK
11100	49.78	2.79	H	52.57	73.98	21.41	PK
11100	36.14	2.79	H	38.93	53.98	15.05	AV
16650	56.76	7.19	H	63.95	68.20	4.25	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	56.05	3.36	V	59.41	73.98	14.57	PK
11420	41.56	3.36	V	44.92	53.98	9.06	AV
17130	57.10	7.02	V	64.12	68.20	4.08	PK
11420	55.91	3.36	H	59.27	73.98	14.71	PK
11420	41.05	3.36	H	44.41	53.98	9.57	AV
17130	56.84	7.02	H	63.86	68.20	4.34	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	49.86	2.97	V	52.83	73.98	21.15	PK
11020	35.93	2.97	V	38.90	53.98	15.08	AV
16530	51.24	4.15	V	55.39	68.20	12.81	PK
11020	49.68	2.97	H	52.65	73.98	21.33	PK
11020	35.84	2.97	H	38.81	53.98	15.17	AV
16530	51.19	4.15	H	55.34	68.20	12.86	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	49.92	2.79	V	52.71	73.98	21.27	PK
11100	36.04	2.79	V	38.83	53.98	15.15	AV
16650	55.72	7.19	V	62.91	68.20	5.29	PK
11100	49.78	2.79	H	52.57	73.98	21.41	PK
11100	35.97	2.79	H	38.76	53.98	15.22	AV
16650	55.64	7.19	H	62.83	68.20	5.37	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	55.97	3.36	V	59.33	73.98	14.65	PK
11420	41.26	3.36	V	44.62	53.98	9.36	AV
17130	57.04	7.02	V	64.06	68.20	4.14	PK
11420	55.84	3.36	H	59.20	73.98	14.78	PK
11420	40.96	3.36	H	44.32	53.98	9.66	AV
17130	56.94	7.02	H	63.96	68.20	4.24	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	50.48	3.46	V	53.94	73.98	20.04	PK
11060	35.70	3.46	V	39.16	53.98	14.82	AV
16590	51.47	4.11	V	55.58	68.20	12.62	PK
11060	50.13	3.46	H	53.59	73.98	20.39	PK
11060	35.49	3.46	H	38.95	53.98	15.03	AV
16590	51.36	4.11	H	55.47	68.20	12.73	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	54.69	3.41	V	58.10	73.98	15.88	PK
11380	40.86	3.41	V	44.27	53.98	9.71	AV
17070	56.87	5.78	V	62.65	68.20	5.55	PK
11380	54.55	3.41	H	57.96	73.98	16.02	PK
11380	40.88	3.41	H	44.29	53.98	9.69	AV
17070	56.73	5.78	H	62.51	68.20	5.69	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	53.53	2.87	V	56.40	73.98	17.58	PK
11490	41.12	2.87	V	43.99	53.98	9.99	AV
17235	56.71	7.44	V	64.15	68.20	4.06	PK
11490	53.34	2.51	H	55.85	73.98	18.13	PK
11490	41.06	2.51	H	43.57	53.98	10.41	AV
17235	56.57	7.44	H	64.01	68.20	4.20	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	53.79	2.48	V	56.27	73.98	17.71	PK
11570	40.11	2.48	V	42.59	53.98	11.39	AV
17355	56.03	7.86	V	63.89	68.20	4.32	PK
11570	53.61	2.48	H	56.09	73.98	17.89	PK
11570	40.05	2.48	H	42.53	53.98	11.45	AV
17355	55.91	7.86	H	63.77	68.20	4.44	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	57.21	3.24	V	60.45	73.98	13.53	PK
11650	42.67	3.24	V	45.91	53.98	8.07	AV
17475	56.52	8.14	V	64.66	68.20	3.55	PK
11650	57.05	3.24	H	60.29	73.98	13.69	PK
11650	42.36	3.24	H	45.60	53.98	8.38	AV
17475	56.24	8.14	H	64.38	68.20	3.83	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	53.41	2.87	V	56.28	73.98	17.70	PK
11490	41.10	2.87	V	43.97	53.98	10.01	AV
17235	56.64	7.44	V	64.08	68.20	4.13	PK
11490	53.16	2.51	H	55.67	73.98	18.31	PK
11490	41.00	2.51	H	43.51	53.98	10.47	AV
17235	56.51	7.44	H	63.95	68.20	4.26	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	53.72	2.48	V	56.20	73.98	17.78	PK
11570	40.06	2.48	V	42.54	53.98	11.44	AV
17355	56.10	7.86	V	63.96	68.20	4.25	PK
11570	53.55	2.48	H	56.03	73.98	17.95	PK
11570	39.98	2.48	H	42.46	53.98	11.52	AV
17355	55.91	7.86	H	63.77	68.20	4.44	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	57.19	3.24	V	60.43	73.98	13.55	PK
11650	42.61	3.24	V	45.85	53.98	8.13	AV
17475	56.23	8.14	V	64.37	68.20	3.84	PK
11650	56.98	3.24	H	60.22	73.98	13.76	PK
11650	42.38	3.24	H	45.62	53.98	8.36	AV
17475	56.10	8.14	H	64.24	68.20	3.97	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	53.29	2.87	V	56.16	73.98	17.82	PK
11490	41.05	2.87	V	43.92	53.98	10.06	AV
17235	56.57	7.44	V	64.01	68.20	4.20	PK
11490	53.50	2.51	H	56.01	73.98	17.97	PK
11490	41.13	2.51	H	43.64	53.98	10.34	AV
17235	56.22	7.44	H	63.66	68.20	4.55	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	53.77	2.48	V	56.25	73.98	17.73	PK
11570	40.16	2.48	V	42.64	53.98	11.34	AV
17355	55.81	7.86	V	63.67	68.20	4.54	PK
11570	53.29	2.48	H	55.77	73.98	18.21	PK
11570	39.81	2.48	H	42.29	53.98	11.69	AV
17355	55.84	7.86	H	63.70	68.20	4.51	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	57.20	3.24	V	60.44	73.98	13.54	PK
11650	42.50	3.24	V	45.74	53.98	8.24	AV
17475	56.19	8.14	V	64.33	68.20	3.88	PK
11650	56.87	3.24	H	60.11	73.98	13.87	PK
11650	42.19	3.24	H	45.43	53.98	8.55	AV
17475	56.08	8.14	H	64.22	68.20	3.99	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII3
Operation Mode:	802.11n_HT40
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	52.99	2.90	V	55.89	73.98	18.09	PK
11510	41.01	2.90	V	43.91	53.98	10.07	AV
17265	54.97	6.80	V	61.77	68.20	6.43	PK
11510	53.18	2.90	H	56.08	73.98	17.90	PK
11510	40.57	2.90	H	43.47	53.98	10.51	AV
17265	54.84	6.80	H	61.64	68.20	6.56	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11n_HT40
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	52.98	3.72	V	56.70	73.98	17.28	PK
11590	39.42	3.72	V	43.14	53.98	10.84	AV
17385	55.80	7.21	V	63.01	68.20	5.20	PK
11590	53.14	3.72	H	56.86	73.98	17.12	PK
11590	39.57	3.72	H	43.29	53.98	10.69	AV
17385	55.72	7.21	H	62.93	68.20	5.28	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	53.31	2.90	V	56.21	73.98	17.77	PK
11510	40.79	2.90	V	43.69	53.98	10.29	AV
17265	54.90	6.80	V	61.70	68.20	6.50	PK
11510	53.22	2.90	H	56.12	73.98	17.86	PK
11510	40.98	2.90	H	43.88	53.98	10.10	AV
17265	54.86	6.80	H	61.66	68.20	6.54	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	53.16	3.72	V	56.88	73.98	17.10	PK
11590	39.84	3.72	V	43.56	53.98	10.42	AV
17385	55.94	7.21	V	63.15	68.20	5.06	PK
11590	53.29	3.72	H	57.01	73.98	16.97	PK
11590	39.71	3.72	H	43.43	53.98	10.55	AV
17385	55.81	7.21	H	63.02	68.20	5.19	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	54.80	3.32	V	58.12	73.98	15.86	PK
11550	39.90	3.32	V	43.22	53.98	10.76	AV
17325	56.42	8.09	V	64.51	68.20	3.70	PK
11550	54.00	3.32	H	57.32	73.98	16.66	PK
11550	38.96	3.32	H	42.28	53.98	11.70	AV
17325	55.98	8.09	H	64.07	68.20	4.14	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

[External Ant]

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	49.96	4.47	V	54.43	68.20	13.77	PK
15540	58.00	1.80	V	59.80	73.98	14.18	PK
15540	42.07	1.80	V	43.87	53.98	10.11	AV
10360	49.68	4.47	H	54.15	68.20	14.05	PK
15540	58.31	1.80	H	60.11	73.98	13.87	PK
15540	42.00	1.80	H	43.80	53.98	10.18	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	50.59	3.22	V	53.81	68.20	14.39	PK
15600	56.35	1.06	V	57.41	73.98	16.57	PK
15600	40.52	1.06	V	41.58	53.98	12.40	AV
10400	50.58	3.22	H	53.80	68.20	14.40	PK
15600	55.95	1.06	H	57.01	73.98	16.97	PK
15600	40.39	1.06	H	41.45	53.98	12.53	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	49.12	3.53	V	52.65	68.20	15.55	PK
15720	58.90	1.54	V	60.44	73.98	13.54	PK
15720	42.63	1.54	V	44.17	53.98	9.81	AV
10480	49.08	3.53	H	52.61	68.20	15.59	PK
15720	58.79	1.54	H	60.33	73.98	13.65	PK
15720	42.52	1.54	H	44.06	53.98	9.92	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	49.89	4.47	V	54.36	68.20	13.84	PK
15540	58.66	1.80	V	60.46	73.98	13.52	PK
15540	42.18	1.80	V	43.98	53.98	10.00	AV
10360	49.75	4.47	H	54.22	68.20	13.98	PK
15540	57.98	1.80	H	59.78	73.98	14.20	PK
15540	42.26	1.80	H	44.06	53.98	9.92	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	50.81	3.22	V	54.03	68.20	14.17	PK
15600	56.41	1.06	V	57.47	73.98	16.51	PK
15600	40.48	1.06	V	41.54	53.98	12.44	AV
10400	50.83	3.22	H	54.05	68.20	14.15	PK
15600	56.37	1.06	H	57.43	73.98	16.55	PK
15600	40.39	1.06	H	41.45	53.98	12.53	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	49.25	3.53	V	52.78	68.20	15.42	PK
15720	58.25	1.54	V	59.79	73.98	14.19	PK
15720	42.51	1.54	V	44.05	53.98	9.93	AV
10480	49.22	3.53	H	52.75	68.20	15.45	PK
15720	58.18	1.54	H	59.72	73.98	14.26	PK
15720	42.45	1.54	H	43.99	53.98	9.99	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	49.92	4.47	V	54.39	68.20	13.81	PK
15540	58.56	1.80	V	60.36	73.98	13.62	PK
15540	42.23	1.80	V	44.03	53.98	9.95	AV
10360	49.81	4.47	H	54.28	68.20	13.92	PK
15540	58.16	1.80	H	59.96	73.98	14.02	PK
15540	42.19	1.80	H	43.99	53.98	9.99	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	50.69	3.22	V	53.91	68.20	14.29	PK
15600	56.47	1.06	V	57.53	73.98	16.45	PK
15600	40.69	1.06	V	41.75	53.98	12.23	AV
10400	50.64	3.22	H	53.86	68.20	14.34	PK
15600	56.29	1.06	H	57.35	73.98	16.63	PK
15600	40.53	1.06	H	41.59	53.98	12.39	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	49.31	3.53	V	52.84	68.20	15.36	PK
15720	58.31	1.54	V	59.85	73.98	14.13	PK
15720	42.56	1.54	V	44.10	53.98	9.88	AV
10480	49.25	3.53	H	52.78	68.20	15.42	PK
15720	58.17	1.54	H	59.71	73.98	14.27	PK
15720	42.39	1.54	H	43.93	53.98	10.05	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	49.04	2.88	V	51.92	68.20	16.28	PK
15570	54.33	1.57	V	55.90	73.98	18.08	PK
15570	39.12	1.57	V	40.69	53.98	13.29	AV
10380	49.01	2.88	H	51.89	68.20	16.31	PK
15570	54.28	1.57	H	55.85	73.98	18.13	PK
15570	39.05	1.57	H	40.62	53.98	13.36	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11n_HT40
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	50.26	3.56	V	53.82	68.20	14.38	PK
15690	54.12	1.38	V	55.50	73.98	18.48	PK
15690	38.96	1.38	V	40.34	53.98	13.64	AV
10460	50.13	3.56	H	53.69	68.20	14.51	PK
15690	53.98	1.38	H	55.36	73.98	18.62	PK
15690	38.91	1.38	H	40.29	53.98	13.69	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	49.20	2.88	V	52.08	68.20	16.12	PK
15570	54.29	1.57	V	55.86	73.98	18.12	PK
15570	39.05	1.57	V	40.62	53.98	13.36	AV
10380	49.11	2.88	H	51.99	68.20	16.21	PK
15570	54.17	1.57	H	55.74	73.98	18.24	PK
15570	38.85	1.57	H	40.42	53.98	13.56	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	50.16	3.56	V	53.72	68.20	14.48	PK
15690	54.26	1.38	V	55.64	73.98	18.34	PK
15690	38.68	1.38	V	40.06	53.98	13.92	AV
10460	50.17	3.56	H	53.73	68.20	14.47	PK
15690	54.23	1.38	H	55.61	73.98	18.37	PK
15690	38.57	1.38	H	39.95	53.98	14.03	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	48.59	2.64	V	51.23	68.20	16.97	PK
15630	49.42	1.84	V	51.26	73.98	22.72	PK
15630	35.62	1.84	V	37.46	53.98	16.52	AV
10420	48.43	2.64	H	51.07	68.20	17.13	PK
15630	49.25	1.84	H	51.09	73.98	22.89	PK
15630	35.34	1.84	H	37.18	53.98	16.80	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	49.98	2.35	V	52.33	68.20	15.87	PK
15780	57.59	2.07	V	59.66	73.98	14.32	PK
15780	41.59	2.07	V	43.66	53.98	10.32	AV
10520	49.91	2.35	H	52.26	68.20	15.94	PK
15780	57.52	2.07	H	59.59	73.98	14.39	PK
15780	41.56	2.07	H	43.63	53.98	10.35	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	50.12	3.16	V	53.28	73.98	20.70	PK
10600	37.98	3.16	V	41.14	53.98	12.84	AV
15900	58.45	1.23	V	59.68	73.98	14.30	PK
15900	42.29	1.23	V	43.52	53.98	10.46	AV
10600	50.07	3.16	H	53.23	73.98	20.75	PK
10600	37.93	3.16	H	41.09	53.98	12.89	AV
15900	58.23	1.23	H	59.46	73.98	14.52	PK
15900	42.19	1.23	H	43.42	53.98	10.56	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	49.42	3.07	V	52.49	73.98	21.49	PK
10640	38.02	3.07	V	41.09	53.98	12.89	AV
15960	58.08	2.06	V	60.14	73.98	13.84	PK
15960	42.30	2.06	V	44.36	53.98	9.62	AV
10640	49.26	3.07	H	52.33	73.98	21.65	PK
10640	37.96	3.07	H	41.03	53.98	12.95	AV
15960	58.03	2.06	H	60.09	73.98	13.89	PK
15960	42.23	2.06	H	44.29	53.98	9.69	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	50.17	2.35	V	52.52	68.20	15.68	PK
15780	57.63	2.07	V	59.70	73.98	14.28	PK
15780	41.73	2.07	V	43.80	53.98	10.18	AV
10520	48.85	2.35	H	51.20	68.20	17.00	PK
15780	56.41	2.07	H	58.48	73.98	15.50	PK
15780	40.21	2.07	H	42.28	53.98	11.70	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	51.11	3.16	V	54.27	73.98	19.71	PK
10600	38.10	3.16	V	41.26	53.98	12.72	AV
15900	58.29	1.23	V	59.52	73.98	14.46	PK
15900	42.31	1.23	V	43.54	53.98	10.44	AV
10600	50.02	3.16	H	53.18	73.98	20.80	PK
10600	36.50	3.16	H	39.66	53.98	14.32	AV
15900	57.14	1.23	H	58.37	73.98	15.61	PK
15900	41.82	1.23	H	43.05	53.98	10.93	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	49.39	3.07	V	52.46	73.98	21.52	PK
10640	38.23	3.07	V	41.30	53.98	12.68	AV
15960	58.08	2.06	V	60.14	73.98	13.84	PK
15960	42.18	2.06	V	44.24	53.98	9.74	AV
10640	48.25	3.07	H	51.32	73.98	22.66	PK
10640	37.62	3.07	H	40.69	53.98	13.29	AV
15960	57.06	2.06	H	59.12	73.98	14.86	PK
15960	41.25	2.06	H	43.31	53.98	10.67	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	50.11	2.35	V	52.46	68.20	15.74	PK
15780	57.80	2.07	V	59.87	73.98	14.11	PK
15780	41.69	2.07	V	43.76	53.98	10.22	AV
10520	49.93	2.35	H	52.28	68.20	15.92	PK
15780	56.98	2.07	H	59.05	73.98	14.93	PK
15780	41.58	2.07	H	43.65	53.98	10.33	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	51.69	3.16	V	54.85	73.98	19.13	PK
10600	38.12	3.16	V	41.28	53.98	12.70	AV
15900	58.18	1.23	V	59.41	73.98	14.57	PK
15900	42.17	1.23	V	43.40	53.98	10.58	AV
10600	51.66	3.16	H	54.82	73.98	19.16	PK
10600	38.05	3.16	H	41.21	53.98	12.77	AV
15900	58.13	1.23	H	59.36	73.98	14.62	PK
15900	42.10	1.23	H	43.33	53.98	10.65	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	49.45	3.07	V	52.52	73.98	21.46	PK
10640	38.41	3.07	V	41.48	53.98	12.50	AV
15960	58.17	2.06	V	60.23	73.98	13.75	PK
15960	42.23	2.06	V	44.29	53.98	9.69	AV
10640	49.41	3.07	H	52.48	73.98	21.50	PK
10640	38.29	3.07	H	41.36	53.98	12.62	AV
15960	57.95	2.06	H	60.01	73.98	13.97	PK
15960	42.16	2.06	H	44.22	53.98	9.76	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	49.26	3.85	V	53.11	68.20	15.09	PK
15810	54.51	2.79	V	57.30	73.98	16.68	PK
15810	38.54	2.79	V	41.33	53.98	12.65	AV
10540	49.12	3.85	H	52.97	68.20	15.23	PK
15810	54.69	2.79	H	57.48	73.98	16.50	PK
15810	38.68	2.79	H	41.47	53.98	12.51	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	49.17	2.96	V	52.13	73.98	21.85	PK
10620	36.29	2.96	V	39.25	53.98	14.73	AV
15930	54.59	1.43	V	56.02	73.98	17.96	PK
15930	38.49	1.43	V	39.92	53.98	14.06	AV
10620	49.12	2.96	H	52.08	73.98	21.90	PK
10620	36.31	2.96	H	39.27	53.98	14.71	AV
15930	54.55	1.43	H	55.98	73.98	18.00	PK
15930	38.44	1.43	H	39.87	53.98	14.11	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	50.13	3.85	V	53.98	68.20	14.22	PK
15810	54.39	2.79	V	57.18	73.98	16.80	PK
15810	38.49	2.79	V	41.28	53.98	12.70	AV
10540	50.14	3.85	H	53.99	68.20	14.21	PK
15810	54.23	2.79	H	57.02	73.98	16.96	PK
15810	38.44	2.79	H	41.23	53.98	12.75	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	49.53	2.96	V	52.49	73.98	21.49	PK
10620	36.81	2.96	V	39.77	53.98	14.21	AV
15930	54.81	1.43	V	56.24	73.98	17.74	PK
15930	38.64	1.43	V	40.07	53.98	13.91	AV
10620	49.64	2.96	H	52.60	73.98	21.38	PK
10620	36.71	2.96	H	39.67	53.98	14.31	AV
15930	54.72	1.43	H	56.15	73.98	17.83	PK
15930	38.57	1.43	H	40.00	53.98	13.98	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	49.23	2.79	V	52.02	68.20	16.18	PK
15870	53.94	2.47	V	56.41	73.98	17.57	PK
15870	38.51	2.47	V	40.98	53.98	13.00	AV
10580	49.11	2.79	H	51.90	68.20	16.30	PK
15870	53.79	2.47	H	56.26	73.98	17.72	PK
15870	38.27	2.47	H	40.74	53.98	13.24	AV

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	50.96	3.36	V	54.32	73.98	19.66	PK
11000	38.46	3.36	V	41.82	53.98	12.16	AV
16500	57.90	5.07	V	62.97	68.20	5.23	PK
11000	50.85	3.36	H	54.21	73.98	19.77	PK
11000	38.31	3.36	H	41.67	53.98	12.31	AV
16500	57.86	5.07	H	62.93	68.20	5.27	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	49.53	4.07	V	53.60	73.98	20.38	PK
11160	36.27	4.07	V	40.34	53.98	13.64	AV
16740	52.91	4.79	V	57.70	68.20	10.50	PK
11160	49.39	4.07	H	53.46	73.98	20.52	PK
11160	36.19	4.07	H	40.26	53.98	13.72	AV
16740	52.88	4.79	H	57.67	68.20	10.53	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	49.73	3.57	V	53.30	73.98	20.68	PK
11440	36.15	3.57	V	39.72	53.98	14.26	AV
17160	51.10	5.24	V	56.34	68.20	11.86	PK
11440	50.12	3.57	H	53.69	73.98	20.29	PK
11440	36.51	3.57	H	40.08	53.98	13.90	AV
17160	50.99	5.24	H	56.23	68.20	11.97	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	48.82	3.36	V	52.18	73.98	21.80	PK
11000	35.80	3.36	V	39.16	53.98	14.82	AV
16500	58.19	5.07	V	63.26	68.20	4.94	PK
11000	48.68	3.36	H	52.04	73.98	21.94	PK
11000	35.73	3.36	H	39.09	53.98	14.89	AV
16500	58.11	5.07	H	63.18	68.20	5.02	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	49.35	4.07	V	53.42	73.98	20.56	PK
11160	36.20	4.07	V	40.27	53.98	13.71	AV
16740	52.08	4.79	V	56.87	68.20	11.33	PK
11160	49.28	4.07	H	53.35	73.98	20.63	PK
11160	36.18	4.07	H	40.25	53.98	13.73	AV
16740	51.96	4.79	H	56.75	68.20	11.45	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	49.17	3.57	V	52.74	73.98	21.24	PK
11440	35.53	3.57	V	39.10	53.98	14.88	AV
17160	49.31	5.24	V	54.55	68.20	13.65	PK
11440	49.13	3.57	H	52.70	73.98	21.28	PK
11440	35.42	3.57	H	38.99	53.98	14.99	AV
17160	49.23	5.24	H	54.47	68.20	13.73	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_ HT20. Worst case is MCS0 in 802.11n_ HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	48.68	3.36	V	52.04	73.98	21.94	PK
11000	35.76	3.36	V	39.12	53.98	14.86	AV
16500	58.21	5.07	V	63.28	68.20	4.92	PK
11000	49.10	3.36	H	52.46	73.98	21.52	PK
11000	35.68	3.36	H	39.04	53.98	14.94	AV
16500	58.17	5.07	H	63.24	68.20	4.96	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	49.23	4.07	V	53.30	73.98	20.68	PK
11160	36.11	4.07	V	40.18	53.98	13.80	AV
16740	52.07	4.79	V	56.86	68.20	11.34	PK
11160	49.16	4.07	H	53.23	73.98	20.75	PK
11160	36.08	4.07	H	40.15	53.98	13.83	AV
16740	52.22	4.79	H	57.01	68.20	11.19	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5720 MHz
Channel No.	144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	49.20	3.57	V	52.77	73.98	21.21	PK
11440	35.46	3.57	V	39.03	53.98	14.95	AV
17160	49.25	5.24	V	54.49	68.20	13.71	PK
11440	49.17	3.57	H	52.74	73.98	21.24	PK
11440	35.41	3.57	H	38.98	53.98	15.00	AV
17160	49.16	5.24	H	54.40	68.20	13.80	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	48.86	2.97	V	51.83	73.98	22.15	PK
11020	35.88	2.97	V	38.85	53.98	15.13	AV
16530	51.55	4.15	V	55.70	68.20	12.50	PK
11020	48.69	2.97	H	51.66	73.98	22.32	PK
11020	35.96	2.97	H	38.93	53.98	15.05	AV
16530	51.48	4.15	H	55.63	68.20	12.57	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	48.94	2.79	V	51.73	73.98	22.25	PK
11100	36.16	2.79	V	38.95	53.98	15.03	AV
16650	50.82	7.19	V	58.01	68.20	10.19	PK
11100	48.78	2.79	H	51.57	73.98	22.41	PK
11100	36.13	2.79	H	38.92	53.98	15.06	AV
16650	50.78	7.19	H	57.97	68.20	10.23	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	49.28	3.36	V	52.64	73.98	21.34	PK
11420	35.35	3.36	V	38.71	53.98	15.27	AV
17130	49.54	7.02	V	56.56	68.20	11.64	PK
11420	49.14	3.36	H	52.50	73.98	21.48	PK
11420	35.21	3.36	H	38.57	53.98	15.41	AV
17130	49.42	7.02	H	56.44	68.20	11.76	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	48.97	2.97	V	51.94	73.98	22.04	PK
11020	35.91	2.97	V	38.88	53.98	15.10	AV
16530	51.09	4.15	V	55.24	68.20	12.96	PK
11020	48.86	2.97	H	51.83	73.98	22.15	PK
11020	35.85	2.97	H	38.82	53.98	15.16	AV
16530	51.01	4.15	H	55.16	68.20	13.04	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	48.93	2.79	V	51.72	73.98	22.26	PK
11100	36.21	2.79	V	39.00	53.98	14.98	AV
16650	50.91	7.19	V	58.10	68.20	10.10	PK
11100	48.86	2.79	H	51.65	73.98	22.33	PK
11100	36.18	2.79	H	38.97	53.98	15.01	AV
16650	50.78	7.19	H	57.97	68.20	10.23	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Operating Frequency	5710 MHz
Channel No.	142 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	49.36	3.36	V	52.72	73.98	21.26	PK
11420	35.26	3.36	V	38.62	53.98	15.36	AV
17130	50.38	7.02	V	57.40	68.20	10.80	PK
11420	49.24	3.36	H	52.60	73.98	21.38	PK
11420	35.18	3.36	H	38.54	53.98	15.44	AV
17130	50.24	7.02	H	57.26	68.20	10.94	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	48.86	3.46	V	52.32	73.98	21.66	PK
11060	35.65	3.46	V	39.11	53.98	14.87	AV
16590	51.23	4.11	V	55.34	68.20	12.86	PK
11060	48.71	3.46	H	52.17	73.98	21.81	PK
11060	35.44	3.46	H	38.90	53.98	15.08	AV
16590	51.30	4.11	H	55.41	68.20	12.79	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	48.86	3.41	V	52.27	73.98	21.71	PK
11380	36.31	3.41	V	39.72	53.98	14.26	AV
17070	50.96	5.78	V	56.74	68.20	11.46	PK
11380	48.77	3.41	H	52.18	73.98	21.80	PK
11380	36.47	3.41	H	39.88	53.98	14.10	AV
17070	50.80	5.78	H	56.58	68.20	11.62	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	49.13	2.87	V	52.00	73.98	21.98	PK
11490	35.77	2.87	V	38.64	53.98	15.34	AV
17235	50.43	7.44	V	57.87	68.20	10.34	PK
11490	49.20	2.51	H	51.71	73.98	22.27	PK
11490	35.94	2.51	H	38.45	53.98	15.53	AV
17235	50.59	7.44	H	58.03	68.20	10.18	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	48.93	2.48	V	51.41	73.98	22.57	PK
11570	34.78	2.48	V	37.26	53.98	16.72	AV
17355	51.94	7.86	V	59.80	68.20	8.41	PK
11570	49.22	2.48	H	51.70	73.98	22.28	PK
11570	34.90	2.48	H	37.38	53.98	16.60	AV
17355	51.87	7.86	H	59.73	68.20	8.48	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 a
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	49.27	3.24	V	52.51	73.98	21.47	PK
11650	35.54	3.24	V	38.78	53.98	15.20	AV
17475	55.65	8.14	V	63.79	68.20	4.42	PK
11650	49.38	3.24	H	52.62	73.98	21.36	PK
11650	35.75	3.24	H	38.99	53.98	14.99	AV
17475	55.18	8.14	H	63.32	68.20	4.89	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	49.22	2.87	V	52.09	73.98	21.89	PK
11490	35.86	2.87	V	38.73	53.98	15.25	AV
17235	50.37	7.44	V	57.81	68.20	10.40	PK
11490	49.13	2.51	H	51.64	73.98	22.34	PK
11490	35.71	2.51	H	38.22	53.98	15.76	AV
17235	50.22	7.44	H	57.66	68.20	10.55	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	48.86	2.48	V	51.34	73.98	22.64	PK
11570	34.98	2.48	V	37.46	53.98	16.52	AV
17355	51.95	7.86	V	59.81	68.20	8.40	PK
11570	48.61	2.48	H	51.09	73.98	22.89	PK
11570	35.10	2.48	H	37.58	53.98	16.40	AV
17355	51.98	7.86	H	59.84	68.20	8.37	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	50.56	3.24	V	53.80	73.98	20.18	PK
11650	35.77	3.24	V	39.01	53.98	14.97	AV
17475	56.94	8.14	V	65.08	68.20	3.13	PK
11650	50.49	3.24	H	53.73	73.98	20.25	PK
11650	35.73	3.24	H	38.97	53.98	15.01	AV
17475	56.84	8.14	H	64.98	68.20	3.22	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	49.31	2.87	V	52.18	73.98	21.80	PK
11490	35.91	2.87	V	38.78	53.98	15.20	AV
17235	50.45	7.44	V	57.89	68.20	10.32	PK
11490	49.25	2.51	H	51.76	73.98	22.22	PK
11490	35.78	2.51	H	38.29	53.98	15.69	AV
17235	50.36	7.44	H	57.80	68.20	10.41	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	48.90	2.48	V	51.38	73.98	22.60	PK
11570	35.01	2.48	V	37.49	53.98	16.49	AV
17355	52.10	7.86	V	59.96	68.20	8.25	PK
11570	49.11	2.48	H	51.59	73.98	22.39	PK
11570	34.99	2.48	H	37.47	53.98	16.51	AV
17355	52.05	7.86	H	59.91	68.20	8.30	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802g.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	48.93	3.24	V	52.17	73.98	21.81	PK
11650	35.66	3.24	V	38.90	53.98	15.08	AV
17475	57.06	8.14	V	65.20	68.20	3.01	PK
11650	48.81	3.24	H	52.05	73.98	21.93	PK
11650	35.71	3.24	H	38.95	53.98	15.03	AV
17475	56.95	8.14	H	65.09	68.20	3.11	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII3
Operation Mode:	802.11n_HT40
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	49.12	2.90	V	52.02	73.98	21.96	PK
11510	35.84	2.90	V	38.74	53.98	15.24	AV
17265	51.69	6.80	V	58.49	68.20	9.71	PK
11510	49.11	2.90	H	52.01	73.98	21.97	PK
11510	35.72	2.90	H	38.62	53.98	15.36	AV
17265	51.58	6.80	H	58.38	68.20	9.82	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11n_HT40
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	50.45	3.72	V	54.17	73.98	19.81	PK
11590	36.61	3.72	V	40.33	53.98	13.65	AV
17385	49.37	7.21	V	56.58	68.20	11.63	PK
11590	50.28	3.72	H	54.00	73.98	19.98	PK
11590	36.55	3.72	H	40.27	53.98	13.71	AV
17385	49.21	7.21	H	56.42	68.20	11.79	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	50.21	2.90	V	53.11	73.98	20.87	PK
11510	35.75	2.90	V	38.65	53.98	15.33	AV
17265	51.75	6.80	V	58.55	68.20	9.65	PK
11510	50.17	2.90	H	53.07	73.98	20.91	PK
11510	35.62	2.90	H	38.52	53.98	15.46	AV
17265	51.71	6.80	H	58.51	68.20	9.69	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	48.18	3.72	V	51.90	73.98	22.08	PK
11590	35.28	3.72	V	39.00	53.98	14.98	AV
17385	51.94	7.21	V	59.15	68.20	9.06	PK
11590	48.04	3.72	H	51.76	73.98	22.22	PK
11590	35.11	3.72	H	38.83	53.98	15.15	AV
17385	51.79	7.21	H	59.00	68.20	9.21	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Operating Frequency	5775 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G.+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	49.27	3.32	V	52.59	73.98	21.39	PK
11550	35.84	3.32	V	39.16	53.98	14.82	AV
17325	48.47	8.09	V	56.56	68.20	11.65	PK
11550	49.41	3.32	H	52.73	73.98	21.25	PK
11550	35.71	3.32	H	39.03	53.98	14.95	AV
17325	48.36	8.09	H	56.45	68.20	11.76	PK

*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

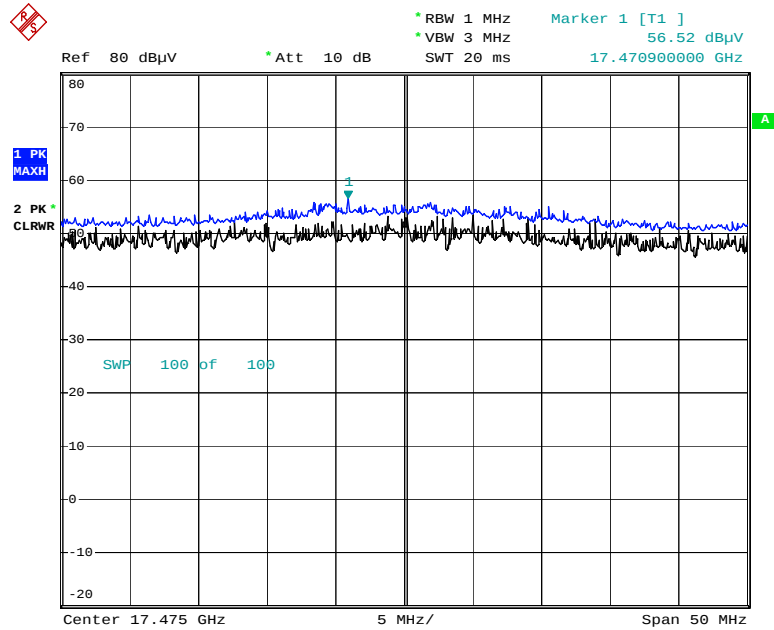
Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + Distance Factor
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
7. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

[Internal Ant]

■ RESULT PLOTS (Worst Case: X-V)

Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.165 3rd Harmonic)

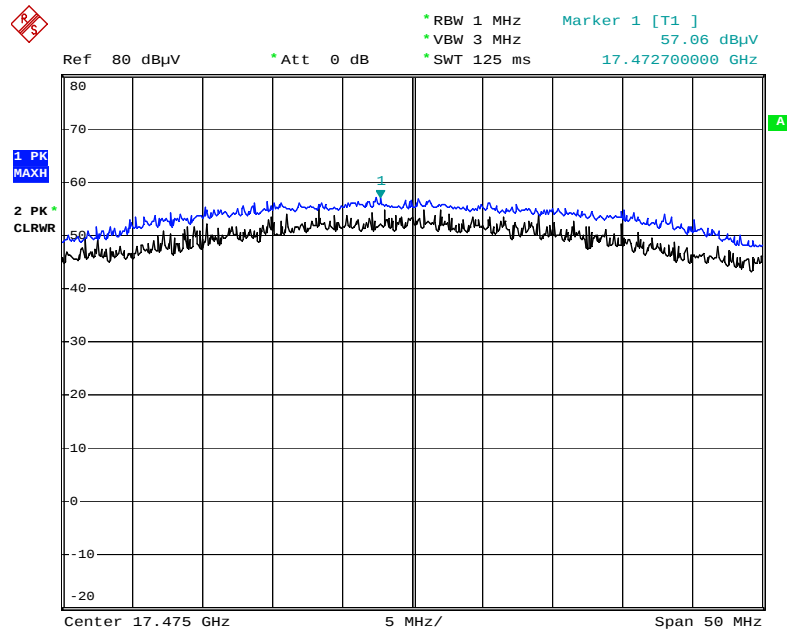


Date: 5.OCT.2018 04:51:13

[External Ant]

■ RESULT PLOTS (Worst Case: X-V)

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT20, Ch.165 3rd Harmonic)



Date: 25.SEP.2018 09:05:04

Note : Only the worst case plots for Radiated Spurious Emissions.

10.7.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

[Internal Ant]

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.21	3.07	H	63.28	73.98	10.70	PK
5150	45.72	3.07	H	48.79	53.98	5.19	AV
5150	61.78	3.07	V	64.85	73.98	9.13	PK
5150	47.75	3.07	V	50.82	53.98	3.16	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	59.88	3.07	H	62.95	73.98	11.03	PK
5150	46.28	3.07	H	49.35	53.98	4.63	AV
5150	61.12	3.07	V	64.19	73.98	9.79	PK
5150	47.52	3.07	V	50.59	53.98	3.39	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.44	3.07	H	63.51	73.98	10.47	PK
5150	46.11	3.07	H	49.18	53.98	4.80	AV
5150	61.68	3.07	V	64.75	73.98	9.23	PK
5150	47.54	3.07	V	50.61	53.98	3.37	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.58	3.07	H	63.65	73.98	10.33	PK
5150	44.18	3.07	H	47.25	53.98	6.73	AV
5150	62.64	3.07	V	65.71	73.98	8.27	PK
5150	47.13	3.07	V	50.2	53.98	3.78	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	61.25	3.07	H	64.32	73.98	9.66	PK
5150	45.71	3.07	H	48.78	53.98	5.20	AV
5150	62.58	3.07	V	65.65	73.98	8.33	PK
5150	47.00	3.07	V	50.07	53.98	3.91	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT80
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	59.08	3.07	H	62.15	73.98	11.83	PK
5150	46.12	3.07	H	49.19	53.98	4.79	AV
5150	60.07	3.07	V	63.14	73.98	10.84	PK
5150	47.08	3.07	V	50.15	53.98	3.83	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	63.11	2.59	H	65.70	73.98	8.28	PK
5350	47.98	2.59	H	50.57	53.98	3.41	AV
5350	64.24	2.59	V	66.83	73.98	7.15	PK
5350	48.26	2.59	V	50.85	53.98	3.13	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	64.37	2.59	H	66.96	73.98	7.02	PK
5350	46.19	2.59	H	48.78	53.98	5.20	AV
5350	65.44	2.59	V	68.03	73.98	5.95	PK
5350	47.84	2.59	V	50.43	53.98	3.55	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	65.91	2.59	H	68.50	73.98	5.48	PK
5350	45.29	2.59	H	47.88	53.98	6.10	AV
5350	66.10	2.59	V	68.69	73.98	5.29	PK
5350	46.91	2.59	V	49.5	53.98	4.48	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	65.91	2.59	H	68.50	73.98	5.48	PK
5350	46.81	2.59	H	49.4	53.98	4.58	AV
5350	67.94	2.59	V	70.53	73.98	3.45	PK
5350	47.92	2.59	V	50.51	53.98	3.47	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	66.23	2.59	H	68.82	73.98	5.16	PK
5350	47.92	2.59	H	50.51	53.98	3.47	AV
5350	67.03	2.59	V	69.62	73.98	4.36	PK
5350	48.22	2.59	V	50.81	53.98	3.17	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	61.02	2.59	H	63.61	73.98	10.37	PK
5350	45.28	2.59	H	47.87	53.98	6.11	AV
5350	62.06	2.59	V	64.65	73.98	9.33	PK
5350	47.34	2.59	V	49.93	53.98	4.05	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	58.05	3.13	H	61.18	73.98	12.80	PK
5460	44.41	3.13	H	47.54	53.98	6.44	AV
5470	60.72	3.40	H	64.12	68.20	4.08	PK
5460	58.43	3.13	V	61.56	73.98	12.42	PK
5460	45.19	3.13	V	48.32	53.98	5.66	AV
5470	61.24	3.40	V	64.64	68.20	3.56	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	57.15	3.13	H	60.28	73.98	13.70	PK
5460	44.21	3.13	H	47.34	53.98	6.64	AV
5470	59.77	3.40	H	63.17	68.20	5.03	PK
5460	58.92	3.13	V	62.05	73.98	11.93	PK
5460	45.25	3.13	V	48.38	53.98	5.60	AV
5470	61.20	3.40	V	64.6	68.20	3.60	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	57.62	3.13	H	60.75	73.98	13.23	PK
5460	44.28	3.13	H	47.41	53.98	6.57	AV
5470	60.91	3.40	H	64.31	68.20	3.89	PK
5460	58.81	3.13	V	61.94	73.98	12.04	PK
5460	45.15	3.13	V	48.28	53.98	5.70	AV
5470	61.43	3.40	V	64.83	68.20	3.37	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.81	3.13	H	57.94	73.98	16.04	PK
5460	42.18	3.13	H	45.31	53.98	8.67	AV
5470	60.72	3.40	H	64.12	68.20	4.08	PK
5460	56.97	3.13	V	60.1	73.98	13.88	PK
5460	43.65	3.13	V	46.78	53.98	7.20	AV
5470	63.45	3.40	V	66.85	73.98	7.13	PK
5470	45.86	3.40	V	49.26	53.98	4.72	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.05	3.13	H	58.18	73.98	15.80	PK
5460	42.31	3.13	H	45.44	53.98	8.54	AV
5470	58.12	3.40	H	61.52	68.20	6.68	PK
5460	55.96	3.13	V	59.09	73.98	14.89	PK
5460	43.73	3.13	V	46.86	53.98	7.12	AV
5470	64.36	3.40	V	67.76	73.98	6.22	PK
5470	46.34	3.40	V	49.74	53.98	4.24	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.58	3.13	H	57.71	73.98	16.27	PK
5460	43.12	3.13	H	46.25	53.98	7.73	AV
5470	55.16	3.40	H	58.56	68.20	9.64	PK
5460	56.93	3.13	V	60.06	73.98	13.92	PK
5460	44.57	3.13	V	47.7	53.98	6.28	AV
5470	59.14	3.40	V	62.54	68.20	5.66	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

[External Ant]

Band :	UNII 1
Operation Mode:	802.11 a
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	59.86	3.07	H	62.93	73.98	11.05	PK
5150	45.20	3.07	H	48.27	53.98	5.71	AV
5150	60.61	3.07	V	63.68	73.98	10.30	PK
5150	45.34	3.07	V	48.41	53.98	5.57	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	59.81	3.07	H	62.88	73.98	11.10	PK
5150	43.65	3.07	H	46.72	53.98	7.26	AV
5150	62.08	3.07	V	65.15	73.98	8.83	PK
5150	45.44	3.07	V	48.51	53.98	5.47	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	60.42	3.07	H	63.49	73.98	10.49	PK
5150	43.68	3.07	H	46.75	53.98	7.23	AV
5150	60.91	3.07	V	63.98	73.98	10.00	PK
5150	44.72	3.07	V	47.79	53.98	6.19	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	62.41	3.07	H	65.48	73.98	8.50	PK
5150	45.72	3.07	H	48.79	53.98	5.19	AV
5150	63.92	3.07	V	66.99	73.98	6.99	PK
5150	47.48	3.07	V	50.55	53.98	3.43	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT40
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	63.49	3.07	H	66.56	73.98	7.42	PK
5150	45.93	3.07	H	49	53.98	4.98	AV
5150	65.95	3.07	V	69.02	73.98	4.96	PK
5150	47.28	3.07	V	50.35	53.98	3.63	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT80
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.33	3.07	H	56.40	73.98	17.58	PK
5150	42.97	3.07	H	46.04	53.98	7.94	AV
5150	61.35	3.07	V	64.42	73.98	9.56	PK
5150	46.97	3.07	V	50.04	53.98	3.94	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.08	2.59	H	55.67	73.98	18.31	PK
5350	39.00	2.59	H	41.59	53.98	12.39	AV
5350	59.62	2.59	V	62.21	73.98	11.77	PK
5350	43.63	2.59	V	46.22	53.98	7.76	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.01	2.59	H	55.60	73.98	18.38	PK
5350	38.60	2.59	H	41.19	53.98	12.79	AV
5350	60.32	2.59	V	62.91	73.98	11.07	PK
5350	43.94	2.59	V	46.53	53.98	7.45	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.42	2.59	H	57.01	73.98	16.97	PK
5350	38.67	2.59	H	41.26	53.98	12.72	AV
5350	64.43	2.59	V	67.02	73.98	6.96	PK
5350	43.81	2.59	V	46.4	53.98	7.58	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	59.09	2.59	H	61.68	73.98	12.30	PK
5350	43.21	2.59	H	45.8	53.98	8.18	AV
5350	65.51	2.59	V	68.1	73.98	5.88	PK
5350	44.44	2.59	V	47.03	53.98	6.95	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT40
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	65.20	2.59	H	67.79	73.98	6.19	PK
5350	45.25	2.59	H	47.84	53.98	6.14	AV
5350	66.91	2.59	V	69.5	73.98	4.48	PK
5350	46.70	2.59	V	49.29	53.98	4.69	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.42	2.59	H	57.01	73.98	16.97	PK
5350	40.70	2.59	H	43.29	53.98	10.69	AV
5350	64.56	2.59	V	67.15	73.98	6.83	PK
5350	48.37	2.59	V	50.96	53.98	3.02	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.22	3.13	H	57.35	73.98	16.63	PK
5460	40.58	3.13	H	43.71	53.98	10.27	AV
5460	56.31	3.13	V	59.44	73.98	14.54	PK
5460	42.70	3.13	V	45.83	53.98	8.15	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	55.43	3.13	H	58.56	73.98	15.42	PK
5460	40.58	3.13	H	43.71	53.98	10.27	AV
5460	56.34	3.13	V	59.47	73.98	14.51	PK
5460	42.71	3.13	V	45.84	53.98	8.14	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.28	3.13	H	57.41	73.98	16.57	PK
5460	41.25	3.13	H	44.38	53.98	9.60	AV
5460	55.92	3.13	V	59.05	73.98	14.93	PK
5460	42.90	3.13	V	46.03	53.98	7.95	AV

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.82	3.13	H	57.95	73.98	16.03	PK
5460	41.55	3.13	H	44.68	53.98	9.30	AV
5470	53.92	3.40	H	57.32	68.20	10.88	PK
5460	56.02	3.13	V	59.15	73.98	14.83	PK
5460	42.82	3.13	V	45.95	53.98	8.03	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.85	3.13	H	56.98	73.98	17.00	PK
5460	41.28	3.13	H	44.41	53.98	9.57	AV
5470	55.13	3.40	H	58.53	68.20	9.67	PK
5460	55.02	3.13	V	58.15	73.98	15.83	PK
5460	42.45	3.13	V	45.58	53.98	8.40	AV

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	56.81	3.13	H	59.94	73.98	14.04	PK
5460	42.51	3.13	H	45.64	53.98	8.34	AV
5470	52.06	3.40	H	55.46	68.20	12.74	PK
5460	56.98	3.13	V	60.11	73.98	13.87	PK
5460	45.08	3.13	V	48.21	53.98	5.77	AV

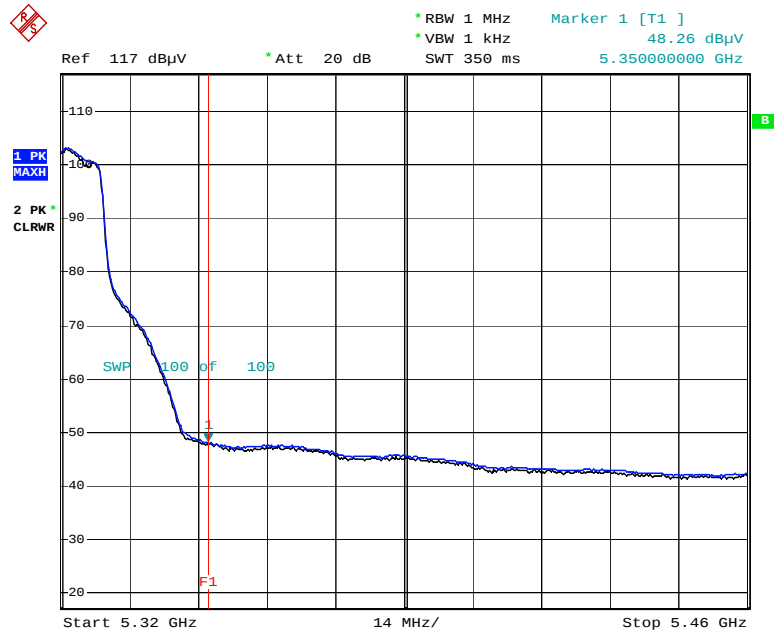
Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

[Internal Ant]

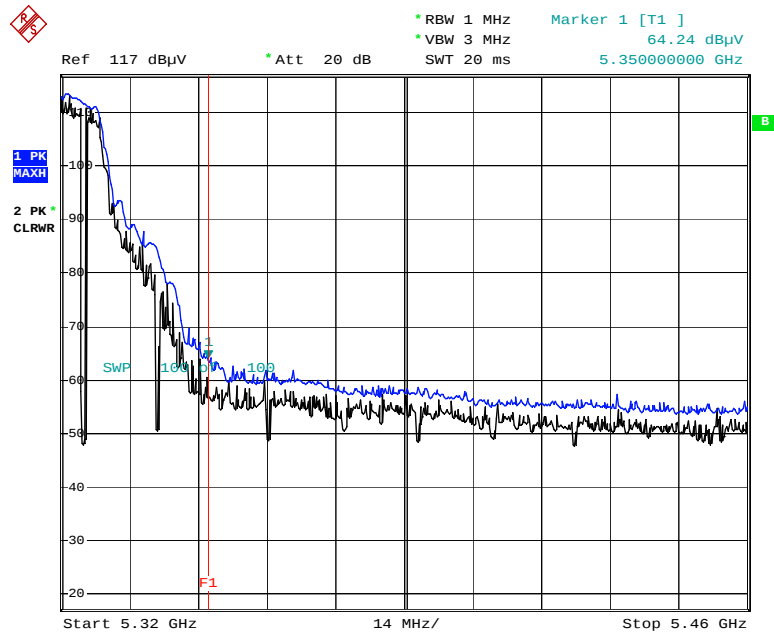
■ RESULT PLOTS (Worst Case: Z-V)

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.64)



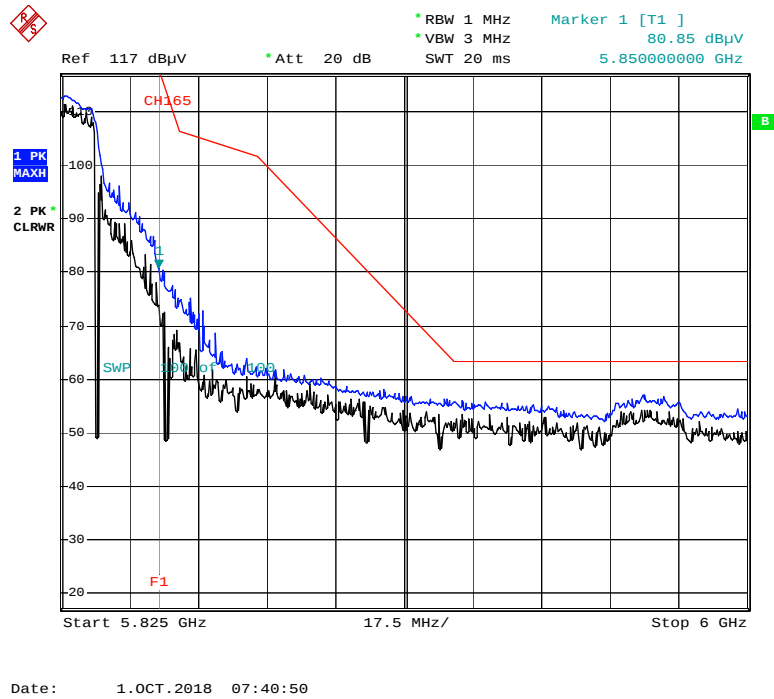
Date: 29.SEP.2018 06:55:19

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.64)

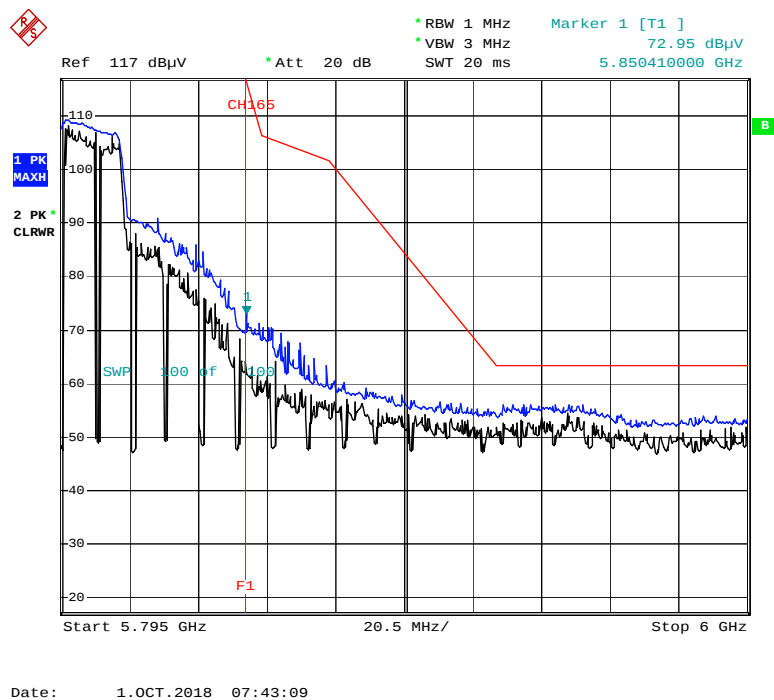


Date: 29.SEP.2018 06:56:14

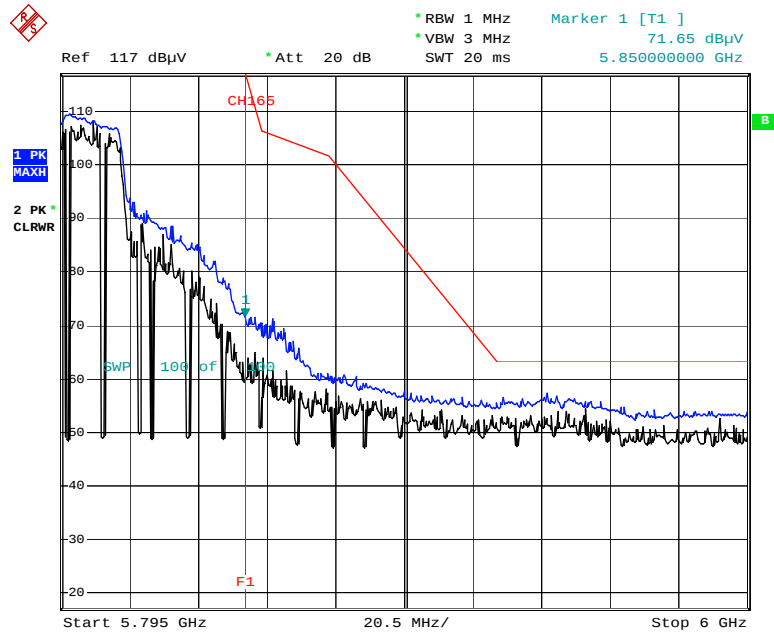
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.165)



Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40, Ch.159)

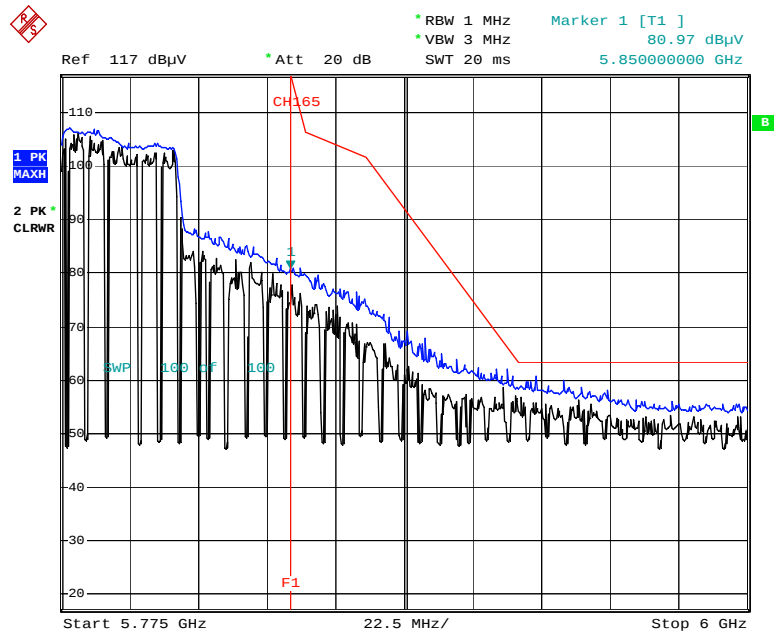


Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40, Ch.159)



Date: 1.OCT.2018 07:48:45

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.155)

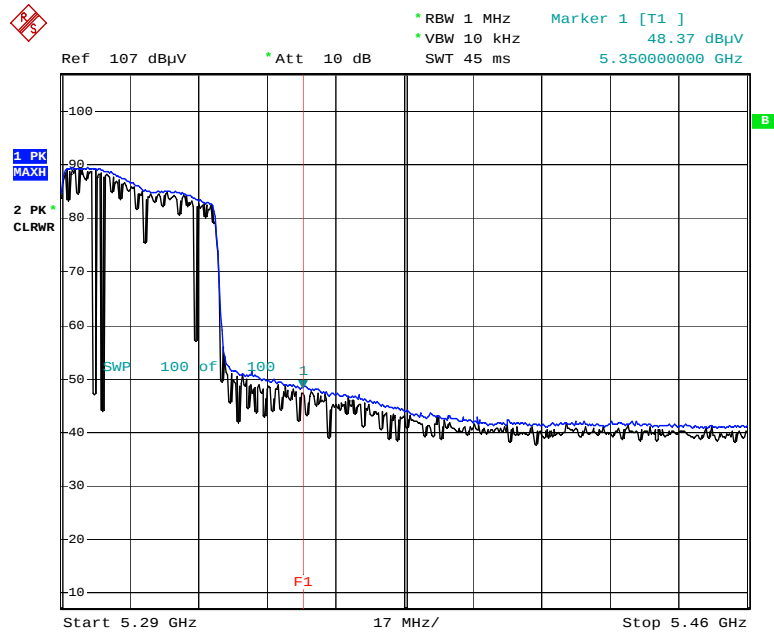


Date: 1.OCT.2018 07:51:35

[External Ant]

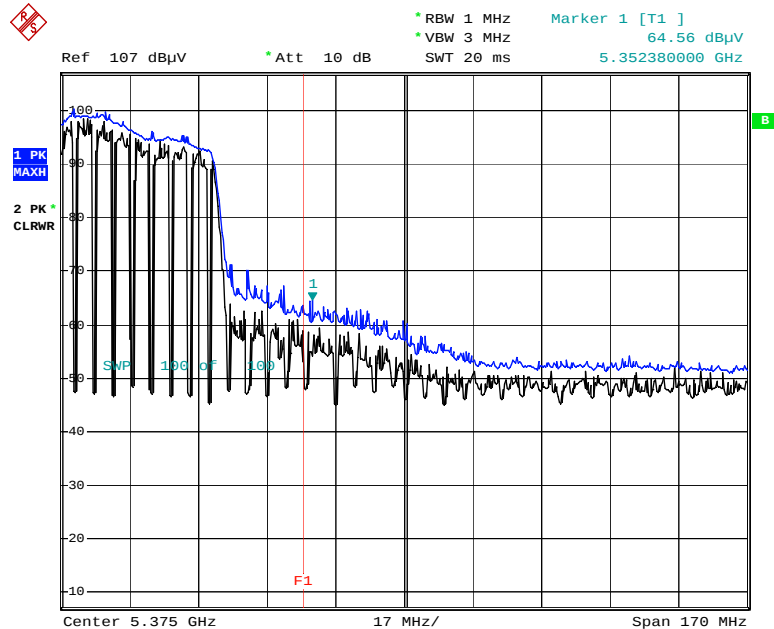
■ RESULT PLOTS (Worst Case: X-V)

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT80, Ch.58)



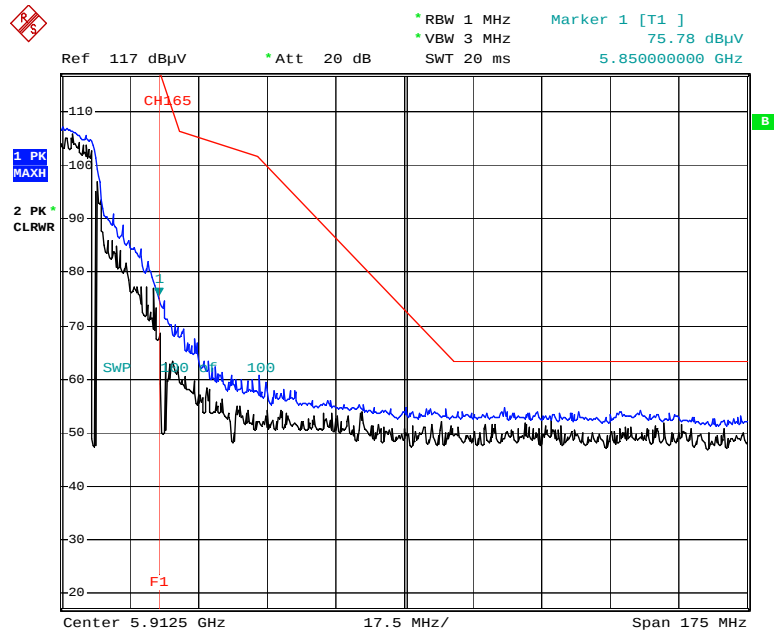
Date: 24.SEP.2018 02:20:39

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.58)



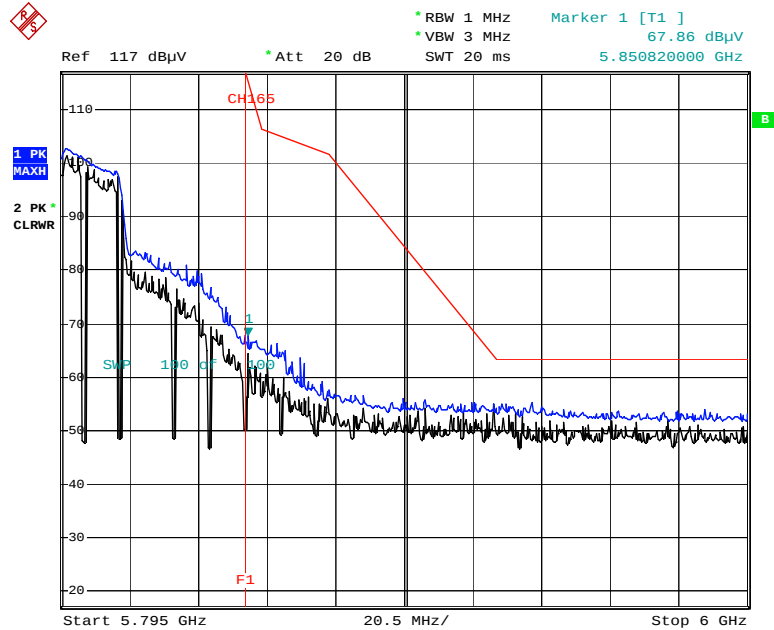
Date: 24.SEP.2018 02:21:37

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.165)



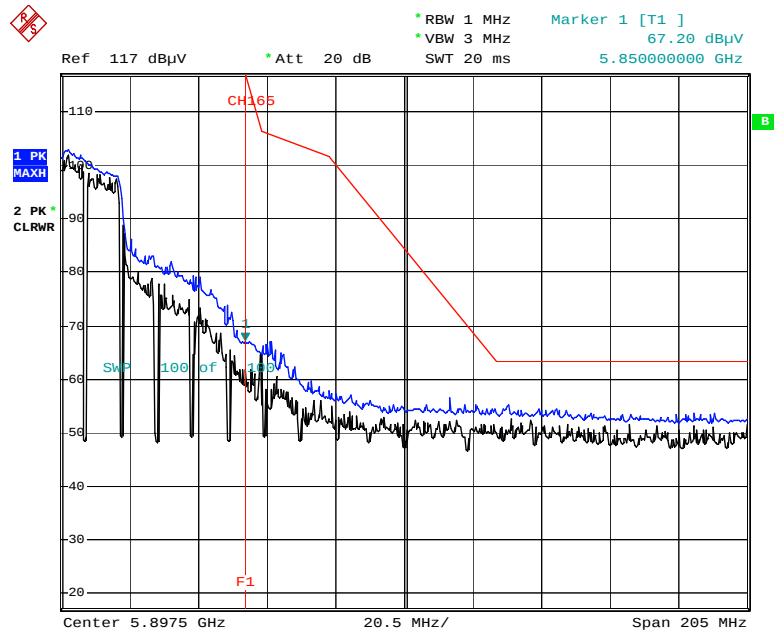
Date: 24.SEP.2018 07:35:00

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40, Ch.159)



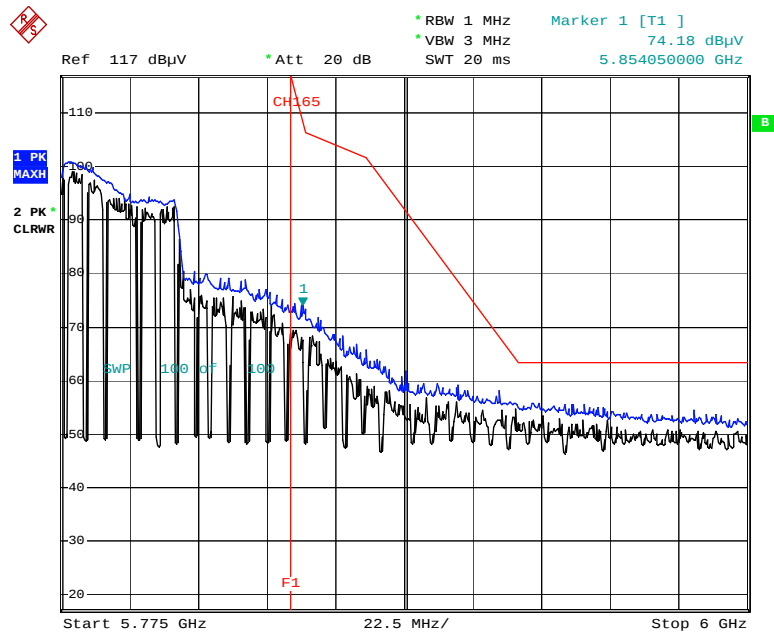
Date: 24.SEP.2018 07:41:21

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40, Ch.159)



Date: 24.SEP.2018 07:43:15

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.155)



Date: 24.SEP.2018 07:48:09

10.7.3 RECEIVER SPURIOUS EMISSIONS

IC Rule(s) RSS-Gen
Test Requirements: Blow the table
Operating conditions: Under normal test conditions
Method of testing: Radiated

S/A. Settings: F < 1 GHz: RBW: 120 kHz, VBW: 300 kHz (Quasi Peak)
F > 1 GHz: RBW: 1 MHz, VBW: 1 MHz (Peak)
Mode of operation: Receive

Frequency (MHz)	Field Strength (microvolts/m at 3 meters)
30 – 88	100
88 - 216	150
216 – 960	200
Above 960	500

Operation Mode: Receive:

30 MHz ~ 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB μ V	dB /m	dB	(H/V)	dB μ V/m	dB μ V/m	dB
No Critical peaks found							

Above 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dB μ V	dB /m	dB	(H/V)	dB μ V/m	dB μ V/m	dB
No Critical peaks found							

10.8 POWERLINE CONDUCTED EMISSIONS

Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

Sample Calculation

Quasi-peak(Final Result) = Reading Value + Correction Factor

Note : We don't perform powerline conducted emission test. Because this EUT is used with vehicle.

11. LIST OF TEST EQUIPMENT

11.1 LIST OF TEST EQUIPMENT(Conducted Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/20/2017	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/27/2018	Annual	100033
ESPACE	SU-642 / Temperature Chamber	03/30/2018	Annual	0093008124
Agilent	N9020A / Signal Analyzer	06/08/2018	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/22/2017	Annual	MY49431210
Agilent	N1911A / Power Meter	04/16/2018	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/16/2018	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/20/2017	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/07/2018	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/26/2018	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/10/2018	Annual	07560
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/17/2018	Annual	100422

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

11.2 LIST OF TEST EQUIPMENT(Radiated Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	11/21/2017	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/19/2018	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/28/2018	Annual	101068-SZ
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	07/16/2018	Annual	4
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	07/10/2018	Annual	5
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/29/2018	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2018	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/07/2018	Annual	2
WEINSCHTEL	56-10 / Attenuator(10 dB)	10/13/2017	Annual	72316
CERNEX	CBLU1183540 / Broadband Low Noise Amplifier	01/03/2018	Annual	24613
CERNEX	CBL06185030 / Broadband Low Noise Amplifier	01/03/2018	Annual	24615
CERNEX	CBL18265035 / Power Amplifier	01/10/2018	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/29/2018	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/27/2018	Annual	3000C000276

Note:

- Equipment listed above that calibrated during the testing period was set for test after the calibration.
- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
- Model : FSV40-N
 - Use date of equipment : September 29, 2018 ~ October 05, 2018

12. APPENDIX A_EUT AND TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1810-FC006-P
2	HCT-RF-1810-FC007-P
3	HCT-RF-1810-FC009-P
4	HCT-RF-1810-FC010-P