

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,260,000,000 Hz
 CHANNEL: 52
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5260018.95	18.95
100%		-30	5260009.95	9.95
100%		-20	5260016.80	16.80
100%		-10	5260024.27	24.27
100%		0	5260031.13	31.13
100%		+10	5260038.66	38.66
100%		+30	5260050.32	50.32
100%		+40	5260056.44	56.44
100%		+50	5260063.12	63.12
Max.	3.600	+20	5260015.97	15.97
Min.	3.135	+20	5260023.35	23.35

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:	3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5500021.32	21.32
100%		-30	5500016.73	16.73
100%		-20	5500021.96	21.96
100%		-10	5500027.16	27.16
100%		0	5500032.50	32.50
100%		+10	5500040.08	40.08
100%		+30	5500050.26	50.26
100%		+40	5500056.19	56.19
100%		+50	5500061.14	61.14
Max.	3.600	+20	5500028.32	28.32
Min.	3.135	+20	5500016.53	16.53

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5745019.65	19.65
100%		-30	5745015.39	15.39
100%		-20	5745022.23	22.23
100%		-10	5745029.19	29.19
100%		0	5745034.50	34.50
100%		+10	5745040.74	40.74
100%		+30	5745052.50	52.50
100%		+40	5745057.01	57.01
100%		+50	5745062.40	62.40
Max.	3.600	+20	5745036.22	36.22
Min.	3.135	+20	5745010.86	10.86

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

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,190,000,000 Hz
CHANNEL: 38
REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5190024.30	24.30
100%		-30	5190009.57	9.57
100%		-20	5190015.89	15.89
100%		-10	5190023.97	23.97
100%		0	5190030.38	30.38
100%		+10	5190038.28	38.28
100%		+30	5190052.71	52.71
100%		+40	5190057.19	57.19
100%		+50	5190063.97	63.97
Max.	3.600	+20	5190046.34	46.34
Min.	3.135	+20	5190042.19	42.19

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 2A
 OPERATING FREQUENCY: 5,270,000,000 Hz
 CHANNEL: 54
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5270019.89	19.89
100%		-30	5270015.16	15.16
100%		-20	5270022.35	22.35
100%		-10	5270027.82	27.82
100%		0	5270034.86	34.86
100%		+10	5270039.03	39.03
100%		+30	5270052.22	52.22
100%		+40	5270058.39	58.39
100%		+50	5270064.18	64.18
Max.	3.600	+20	5270016.82	16.82
Min.	3.135	+20	5270029.81	29.81

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 2C
OPERATING FREQUENCY:	5,510,000,000 Hz
CHANNEL:	102
REFERENCE VOLTAGE:	3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5510025.36	25.36
100%		-30	5510012.27	12.27
100%		-20	5510019.41	19.41
100%		-10	5510026.81	26.81
100%		0	5510031.72	31.72
100%		+10	5510037.55	37.55
100%		+30	5510052.05	52.05
100%		+40	5510056.82	56.82
100%		+50	5510061.64	61.64
Max.	3.600	+20	5510034.73	34.73
Min.	3.135	+20	5510052.55	52.55

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5755022.38	22.38
100%		-30	5755011.00	11.00
100%		-20	5755018.57	18.57
100%		-10	5755025.63	25.63
100%		0	5755033.29	33.29
100%		+10	5755040.70	40.70
100%		+30	5755049.91	49.91
100%		+40	5755054.55	54.55
100%		+50	5755061.51	61.51
Max.	3.600	+20	5755043.32	43.32
Min.	3.135	+20	5755013.84	13.84

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.

80 MHz BW

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5210021.39	21.39
100%		-30	5210012.75	12.75
100%		-20	5210020.57	20.57
100%		-10	5210027.90	27.90
100%		0	5210032.82	32.82
100%		+10	5210037.22	37.22
100%		+30	5210052.58	52.58
100%		+40	5210058.34	58.34
100%		+50	5210063.36	63.36
Max.	3.600	+20	5210033.52	33.52
Min.	3.135	+20	5210042.19	42.19

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 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5290019.33	19.33
100%		-30	5290012.37	12.37
100%		-20	5290019.18	19.18
100%		-10	5290024.64	24.64
100%		0	5290032.57	32.57
100%		+10	5290038.28	38.28
100%		+30	5290049.54	49.54
100%		+40	5290054.56	54.56
100%		+50	5290061.68	61.68
Max.	3.600	+20	5290012.13	12.13
Min.	3.135	+20	5290024.83	24.83

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5530020.08	20.08
100%		-30	5530013.17	13.17
100%		-20	5530019.98	19.98
100%		-10	5530025.98	25.98
100%		0	5530032.88	32.88
100%		+10	5530038.88	38.88
100%		+30	5530050.60	50.60
100%		+40	5530055.20	55.20
100%		+50	5530060.60	60.60
Max.	3.600	+20	5530029.41	29.41
Min.	3.135	+20	5530034.93	34.93

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5775021.17	21.17
100%		-30	5775014.25	14.25
100%		-20	5775019.42	19.42
100%		-10	5775024.62	24.62
100%		0	5775032.32	32.32
100%		+10	5775038.48	38.48
100%		+30	5775051.14	51.14
100%		+40	5775057.90	57.90
100%		+50	5775063.63	63.63
Max.	3.600	+20	5775014.82	14.82
Min.	3.135	+20	5775053.79	53.79

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.

[Ant.1]
20 MHz BW

OPERATING BAND:	UNII Band 1
OPERATING FREQUENCY:	5,180,000,000 Hz
CHANNEL:	36
REFERENCE VOLTAGE:	3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5180019.05	19.05
100%		-30	5180014.35	14.35
100%		-20	5180021.01	21.01
100%		-10	5180025.84	25.84
100%		0	5180032.72	32.72
100%		+10	5180037.83	37.83
100%		+30	5180050.15	50.15
100%		+40	5180054.38	54.38
100%		+50	5180060.83	60.83
Max.	3.600	+20	5180024.10	24.10
Min.	3.135	+20	5180014.88	14.88

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5260020.14	20.14
100%		-30	5260010.21	10.21
100%		-20	5260015.10	15.10
100%		-10	5260022.17	22.17
100%		0	5260029.50	29.50
100%		+10	5260037.06	37.06
100%		+30	5260049.38	49.38
100%		+40	5260055.10	55.10
100%		+50	5260060.12	60.12
Max.	3.600	+20	5260044.43	44.43
Min.	3.135	+20	5260024.38	24.38

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.

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,500,000,000 Hz
 CHANNEL: 100
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5500018.85	18.85
100%		-30	5500014.20	14.20
100%		-20	5500019.57	19.57
100%		-10	5500023.81	23.81
100%		0	5500030.96	30.96
100%		+10	5500038.57	38.57
100%		+30	5500052.50	52.50
100%		+40	5500057.37	57.37
100%		+50	5500065.43	65.43
Max.	3.600	+20	5500032.16	32.16
Min.	3.135	+20	5500062.13	62.13

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5745023.01	23.01
100%		-30	5745015.27	15.27
100%		-20	5745022.57	22.57
100%		-10	5745029.78	29.78
100%		0	5745034.27	34.27
100%		+10	5745038.75	38.75
100%		+30	5745049.28	49.28
100%		+40	5745055.48	55.48
100%		+50	5745060.63	60.63
Max.	3.600	+20	5745040.05	40.05
Min.	3.135	+20	5745052.17	52.17

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.

40 MHz BW

OPERATING BAND: UNII Band 1
OPERATING FREQUENCY: 5,190,000,000 Hz
CHANNEL: 38
REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5190020.19	20.19
100%		-30	5190015.94	15.94
100%		-20	5190022.50	22.50
100%		-10	5190026.83	26.83
100%		0	5190033.65	33.65
100%		+10	5190040.79	40.79
100%		+30	5190051.47	51.47
100%		+40	5190059.53	59.53
100%		+50	5190065.91	65.91
Max.	3.600	+20	5190038.26	38.26
Min.	3.135	+20	5190052.98	52.98

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5270020.06	20.06
100%		-30	5270019.44	19.44
100%		-20	5270024.98	24.98
100%		-10	5270030.11	30.11
100%		0	5270034.59	34.59
100%		+10	5270039.56	39.56
100%		+30	5270049.21	49.21
100%		+40	5270056.91	56.91
100%		+50	5270064.85	64.85
Max.	3.600	+20	5270013.27	13.27
Min.	3.135	+20	5270045.68	45.68

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: 5,510,000,000 Hz
 CHANNEL: 102
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5510021.37	21.37
100%		-30	5510013.01	13.01
100%		-20	5510020.47	20.47
100%		-10	5510026.75	26.75
100%		0	5510031.81	31.81
100%		+10	5510039.67	39.67
100%		+30	5510052.33	52.33
100%		+40	5510056.58	56.58
100%		+50	5510063.91	63.91
Max.	3.600	+20	5510029.88	29.88
Min.	3.135	+20	5510042.13	42.13

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5755022.22	22.22
100%		-30	5755016.00	16.00
100%		-20	5755023.34	23.34
100%		-10	5755028.39	28.39
100%		0	5755034.94	34.94
100%		+10	5755040.55	40.55
100%		+30	5755050.85	50.85
100%		+40	5755058.47	58.47
100%		+50	5755063.70	63.70
Max.	3.600	+20	5755042.29	42.29
Min.	3.135	+20	5755030.77	30.77

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

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5210019.63	19.63
100%		-30	5210017.92	17.92
100%		-20	5210022.42	22.42
100%		-10	5210028.70	28.70
100%		0	5210032.97	32.97
100%		+10	5210037.87	37.87
100%		+30	5210049.33	49.33
100%		+40	5210053.97	53.97
100%		+50	5210059.47	59.47
Max.	3.600	+20	5210015.27	15.27
Min.	3.135	+20	5210024.43	24.43

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: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5290020.75	20.75
100%		-30	5290012.11	12.11
100%		-20	5290019.46	19.46
100%		-10	5290024.27	24.27
100%		0	5290032.24	32.24
100%		+10	5290039.98	39.98
100%		+30	5290049.93	49.93
100%		+40	5290055.26	55.26
100%		+50	5290063.15	63.15
Max.	3.600	+20	5290038.71	38.71
Min.	3.135	+20	5290044.53	44.53

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5530020.93	20.93
100%		-30	5530017.23	17.23
100%		-20	5530023.74	23.74
100%		-10	5530030.05	30.05
100%		0	5530034.62	34.62
100%		+10	5530039.02	39.02
100%		+30	5530050.44	50.44
100%		+40	5530058.12	58.12
100%		+50	5530063.15	63.15
Max.	3.600	+20	5530026.60	26.60
Min.	3.135	+20	5530013.80	13.80

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: 3.3 VDC

Voltage	Power (VDC)	Temp. (°C)	Frequency (kHz)	Frequency Error (kHz)
100%	3.300	+20(Ref)	5775021.95	21.95
100%		-30	5775015.92	15.92
100%		-20	5775020.54	20.54
100%		-10	5775026.87	26.87
100%		0	5775032.64	32.64
100%		+10	5775038.17	38.17
100%		+30	5775050.14	50.14
100%		+40	5775054.80	54.80
100%		+50	5775059.67	59.67
Max.	3.600	+20	5775036.99	36.99
Min.	3.135	+20	5775048.64	48.64

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.

9.7 RADIATED MEASUREMENT**9.7.1 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

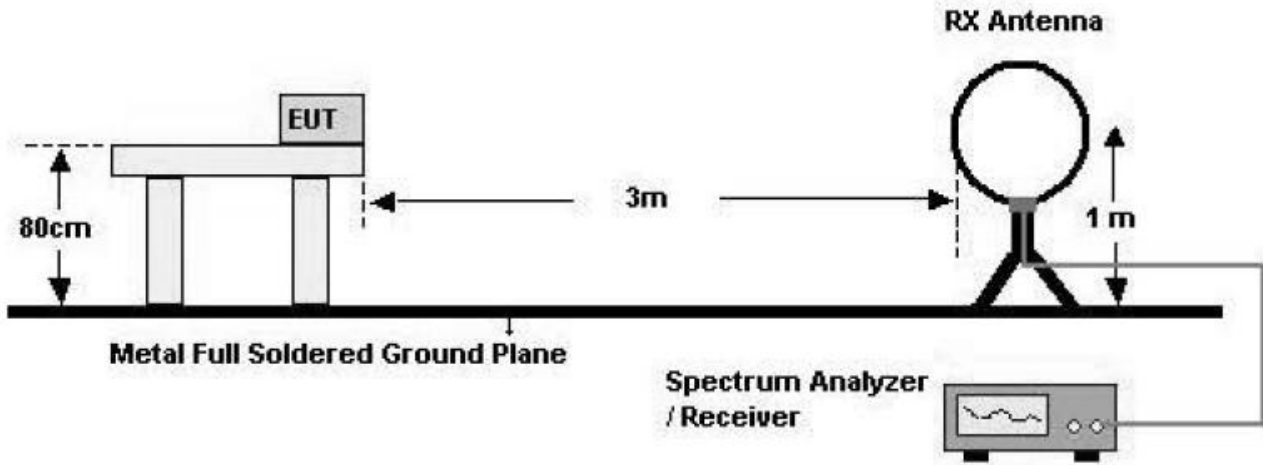
■ §15.407,RSS-247, KDB 789033 D02

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.

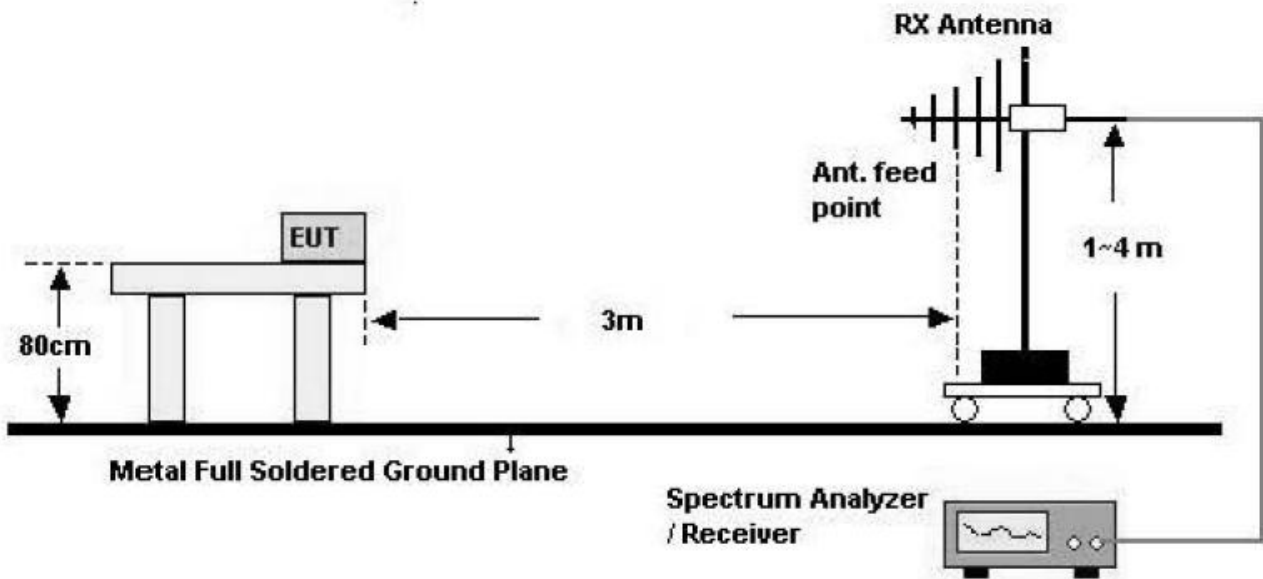
Especially, for transmitter operating in the 5725 Mhz – 5850 MHz : All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing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

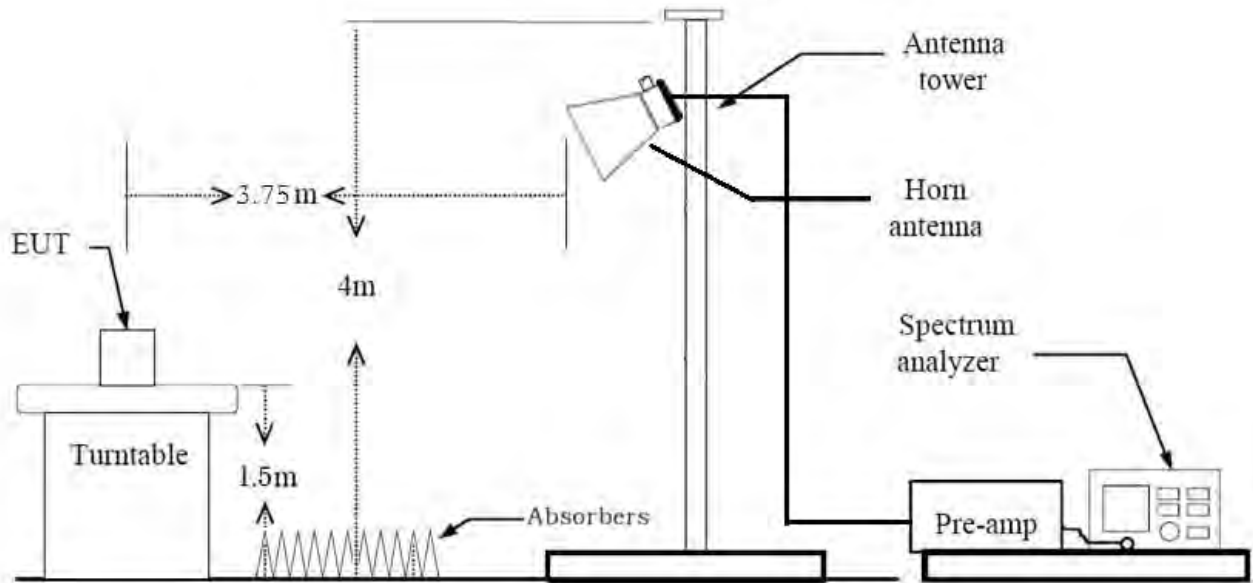
Test Configuration

Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz**TEST PROCEDURE USED**

ANSI C63.10:2013

Method G)5) in KDB 789033 D02 v01r04 (Peak)

Method G)6)d) in KDB 789033 D02 v01r04 (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)

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 (dB μ V) + 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	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 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

[MIMO]

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	68.58	-2.49	V	66.09	73.98	7.89	PK
10360	54.73	-2.49	V	52.24	53.98	1.74	AV
15540	63.63	-2.80	V	60.83	73.98	13.15	PK
15540	42.31	-2.80	V	39.51	53.98	14.47	AV
10360	70.20	-2.49	H	67.71	73.98	6.27	PK
10360	55.16	-2.49	H	52.67	53.98	1.31	AV
15540	63.60	-2.80	H	60.80	73.98	13.18	PK
15540	42.65	-2.80	H	39.85	53.98	14.13	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	70.98	-2.40	V	68.58	73.98	5.40	PK
10400	54.51	-2.40	V	52.11	53.98	1.87	AV
15600	63.59	-4.04	V	59.55	73.98	14.43	PK
15600	43.81	-4.04	V	39.77	53.98	14.21	AV
10400	71.30	-2.40	H	68.90	73.98	5.08	PK
10400	54.88	-2.40	H	52.48	53.98	1.50	AV
15600	63.54	-4.04	H	59.50	73.98	14.48	PK
15600	43.71	-4.04	H	39.67	53.98	14.31	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.08	-3.56	V	65.52	73.98	8.46	PK
10480	55.02	-3.56	V	51.46	53.98	2.52	AV
15720	61.40	-4.05	V	57.35	73.98	16.63	PK
15720	43.09	-4.05	V	39.04	53.98	14.94	AV
10480	69.36	-3.56	H	65.80	73.98	8.18	PK
10480	55.52	-3.56	H	51.96	53.98	2.02	AV
15720	61.12	-4.05	H	57.07	73.98	16.91	PK
15720	42.87	-4.05	H	38.82	53.98	15.16	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	71.26	-2.49	V	68.77	73.98	5.21	PK
10360	53.97	-2.49	V	51.48	53.98	2.50	AV
15540	62.20	-2.80	V	59.40	73.98	14.58	PK
15540	42.68	-2.80	V	39.88	53.98	14.10	AV
10360	71.50	-2.49	H	69.01	73.98	4.97	PK
10360	54.24	-2.49	H	51.75	53.98	2.23	AV
15540	62.01	-2.80	H	59.21	73.98	14.77	PK
15540	42.58	-2.80	H	39.78	53.98	14.20	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.85	-2.40	V	69.45	73.98	4.53	PK
10400	54.61	-2.40	V	52.21	53.98	1.77	AV
15600	63.43	-4.04	V	59.39	73.98	14.59	PK
15600	44.99	-4.04	V	40.95	53.98	13.03	AV
10400	72.06	-2.40	H	69.66	73.98	4.32	PK
10400	54.81	-2.40	H	52.41	53.98	1.57	AV
15600	63.28	-4.04	H	59.24	73.98	14.74	PK
15600	44.72	-4.04	H	40.68	53.98	13.30	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.70	-3.56	V	68.14	73.98	5.84	PK
10480	56.11	-3.56	V	52.55	53.98	1.43	AV
15720	61.93	-4.05	V	57.88	73.98	16.10	PK
15720	42.96	-4.05	V	38.91	53.98	15.07	AV
10480	71.92	-3.56	H	68.36	73.98	5.62	PK
10480	56.35	-3.56	H	52.79	53.98	1.19	AV
15720	61.77	-4.05	H	57.72	73.98	16.26	PK
15720	42.83	-4.05	H	38.78	53.98	15.20	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.39	-2.49	V	68.90	73.98	5.08	PK
10360	54.77	-2.49	V	52.28	53.98	1.70	AV
15540	62.78	-2.80	V	59.98	73.98	14.00	PK
15540	42.71	-2.80	V	39.91	53.98	14.07	AV
10360	71.65	-2.49	H	69.16	73.98	4.82	PK
10360	54.90	-2.49	H	52.41	53.98	1.57	AV
15540	62.70	-2.80	H	59.90	73.98	14.08	PK
15540	42.66	-2.80	H	39.86	53.98	14.12	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.24	-2.40	V	68.84	73.98	5.14	PK
10400	54.32	-2.40	V	51.92	53.98	2.06	AV
15600	63.07	-4.04	V	59.03	73.98	14.95	PK
15600	43.79	-4.04	V	39.75	53.98	14.23	AV
10400	71.53	-2.40	H	69.13	73.98	4.85	PK
10400	54.57	-2.40	H	52.17	53.98	1.81	AV
15600	62.96	-4.04	H	58.92	73.98	15.06	PK
15600	43.55	-4.04	H	39.51	53.98	14.47	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.01	-3.56	V	67.45	73.98	6.53	PK
10480	55.39	-3.56	V	51.83	53.98	2.15	AV
15720	62.49	-4.05	V	58.44	73.98	15.54	PK
15720	42.99	-4.05	V	38.94	53.98	15.04	AV
10480	71.14	-3.56	H	67.58	73.98	6.40	PK
10480	55.66	-3.56	H	52.10	53.98	1.88	AV
15720	62.23	-4.05	H	58.18	73.98	15.80	PK
15720	42.80	-4.05	H	38.75	53.98	15.23	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	66.98	-2.40	V	64.58	73.98	9.40	PK
10380	53.19	-2.40	V	50.79	53.98	3.19	AV
15570	64.38	-2.80	V	61.58	73.98	12.40	PK
15570	45.77	-2.80	V	42.97	53.98	11.01	AV
10380	67.38	-2.40	H	64.98	73.98	9.00	PK
10380	53.35	-2.40	H	50.95	53.98	3.03	AV
15570	64.21	-2.80	H	61.41	73.98	12.57	PK
15570	45.61	-2.80	H	42.81	53.98	11.17	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.43	-2.40	V	67.03	73.98	6.95	PK
10460	54.61	-2.40	V	52.21	53.98	1.77	AV
15690	64.04	-4.04	V	60.00	73.98	13.98	PK
15690	47.43	-4.04	V	43.39	53.98	10.59	AV
10460	69.85	-2.40	H	67.45	73.98	6.53	PK
10460	54.79	-2.40	H	52.39	53.98	1.59	AV
15690	63.77	-4.04	H	59.73	73.98	14.25	PK
15690	47.19	-4.04	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	67.55	-2.40	V	65.15	73.98	8.83	PK
10380	53.09	-2.40	V	50.69	53.98	3.29	AV
15570	64.39	-2.80	V	61.59	73.98	12.39	PK
15570	45.77	-2.80	V	42.97	53.98	11.01	AV
10380	67.83	-2.40	H	65.43	73.98	8.55	PK
10380	53.50	-2.40	H	51.10	53.98	2.88	AV
15570	64.31	-2.80	H	61.51	73.98	12.47	PK
15570	45.63	-2.80	H	42.83	53.98	11.15	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.39	-2.40	V	66.99	73.98	6.99	PK
10460	55.02	-2.40	V	52.62	53.98	1.36	AV
15690	64.99	-4.04	V	60.95	73.98	13.03	PK
15690	47.06	-4.04	V	43.02	53.98	10.96	AV
10460	69.43	-2.40	H	67.03	73.98	6.95	PK
10460	55.30	-2.40	H	52.90	53.98	1.08	AV
15690	64.84	-4.04	H	60.80	73.98	13.18	PK
15690	47.01	-4.04	H	42.97	53.98	11.01	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	65.07	-2.40	V	62.67	73.98	11.31	PK
10420	50.66	-2.40	V	48.26	53.98	5.72	AV
15630	58.75	-4.04	V	54.71	73.98	19.27	PK
15630	43.51	-4.04	V	39.47	53.98	14.51	AV
10420	65.36	-2.40	H	62.96	73.98	11.02	PK
10420	50.90	-2.40	H	48.50	53.98	5.48	AV
15630	58.57	-4.04	H	54.53	73.98	19.45	PK
15630	43.22	-4.04	H	39.18	53.98	14.80	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	70.07	-3.05	V	67.02	73.98	6.96	PK
10520	52.95	-3.05	V	49.90	53.98	4.08	PK
15780	66.06	-3.08	V	62.98	73.98	11.00	PK
15780	45.58	-3.08	V	42.50	53.98	11.48	AV
10520	70.67	-3.05	H	67.62	73.98	6.36	PK
10520	54.33	-3.05	H	51.28	53.98	2.70	AV
15780	64.36	-3.08	H	61.28	73.98	12.70	PK
15780	44.01	-3.08	H	40.93	53.98	13.05	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	70.38	-3.42	V	66.96	73.98	7.02	PK
10600	55.62	-3.42	V	52.20	53.98	1.78	AV
15900	65.12	-3.29	V	61.83	73.98	12.15	PK
15900	44.26	-3.29	V	40.97	53.98	13.01	AV
10600	70.71	-3.42	H	67.29	73.98	6.69	PK
10600	55.85	-3.42	H	52.43	53.98	1.55	AV
15900	64.99	-3.29	H	61.70	73.98	12.28	PK
15900	44.17	-3.29	H	40.88	53.98	13.10	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	70.22	-3.53	V	66.69	73.98	7.29	PK
10640	55.68	-3.53	V	52.15	53.98	1.83	AV
15960	65.14	-3.45	V	61.69	73.98	12.29	PK
15960	43.77	-3.45	V	40.32	53.98	13.66	AV
10640	70.47	-3.53	H	66.94	73.98	7.04	PK
10640	55.89	-3.53	H	52.36	53.98	1.62	AV
15960	65.04	-3.45	H	61.59	73.98	12.39	PK
15960	43.73	-3.45	H	40.28	53.98	13.70	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	71.49	-3.05	V	68.44	73.98	5.54	PK
10520	55.55	-3.05	V	52.50	53.98	1.48	AV
15780	62.78	-3.08	V	59.70	73.98	14.28	PK
15780	44.20	-3.08	V	41.12	53.98	12.86	AV
10520	71.92	-3.05	H	68.87	73.98	5.11	PK
10520	55.70	-3.05	H	52.65	53.98	1.33	AV
15780	62.44	-3.08	H	59.36	73.98	14.62	PK
15780	44.02	-3.08	H	40.94	53.98	13.04	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	70.92	-3.42	V	67.50	73.98	6.48	PK
10600	55.26	-3.42	V	51.84	53.98	2.14	AV
15900	64.76	-3.29	V	61.47	73.98	12.51	PK
15900	43.89	-3.29	V	40.60	53.98	13.38	AV
10600	71.07	-3.42	H	67.65	73.98	6.33	PK
10600	55.46	-3.42	H	52.04	53.98	1.94	AV
15900	64.55	-3.29	H	61.26	73.98	12.72	PK
15900	43.71	-3.29	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	72.07	-3.53	V	68.54	73.98	5.44	PK
10640	54.70	-3.53	V	51.17	53.98	2.81	AV
15960	64.54	-3.45	V	61.09	73.98	12.89	PK
15960	44.69	-3.45	V	41.24	53.98	12.74	AV
10640	72.50	-3.53	H	68.97	73.98	5.01	PK
10640	54.92	-3.53	H	51.39	53.98	2.59	AV
15960	64.41	-3.45	H	60.96	73.98	13.02	PK
15960	44.59	-3.45	H	41.14	53.98	12.84	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
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.09	-3.05	V	68.04	73.98	5.94	PK
10520	54.27	-3.05	V	51.22	53.98	2.76	AV
15780	64.16	-3.08	V	61.08	73.98	12.90	PK
15780	44.77	-3.08	V	41.69	53.98	12.29	AV
10520	71.50	-3.05	H	68.45	73.98	5.53	PK
10520	54.56	-3.05	H	51.51	53.98	2.47	AV
15780	64.07	-3.08	H	60.99	73.98	12.99	PK
15780	44.60	-3.08	H	41.52	53.98	12.46	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.82	-3.42	V	68.40	73.98	5.58	PK
10600	55.07	-3.42	V	51.65	53.98	2.33	AV
15900	66.46	-3.29	V	63.17	73.98	10.81	PK
15900	44.79	-3.29	V	41.50	53.98	12.48	AV
10600	72.00	-3.42	H	68.58	73.98	5.40	PK
10600	55.33	-3.42	H	51.91	53.98	2.07	AV
15900	66.41	-3.29	H	63.12	73.98	10.86	PK
15900	44.52	-3.29	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	72.17	-3.53	V	68.64	73.98	5.34	PK
10640	56.01	-3.53	V	52.48	53.98	1.50	AV
15960	64.99	-3.45	V	61.54	73.98	12.44	PK
15960	44.48	-3.45	V	41.03	53.98	12.95	AV
10640	72.30	-3.53	H	68.77	73.98	5.21	PK
10640	56.59	-3.53	H	53.06	53.98	0.92	AV
15960	64.83	-3.45	H	61.38	73.98	12.60	PK
15960	44.27	-3.45	H	40.82	53.98	13.16	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.44	-3.05	V	66.39	68.20	1.81	PK
10540	55.39	-3.05	V	52.34	68.20	15.86	AV
15810	63.93	-3.08	V	60.85	73.98	13.13	PK
15810	45.65	-3.08	V	42.57	53.98	11.41	AV
10540	69.75	-3.05	H	66.70	73.98	7.28	PK
10540	55.60	-3.05	H	52.55	53.98	1.43	AV
15810	63.71	-3.08	H	60.63	73.98	13.35	PK
15810	45.51	-3.08	H	42.43	53.98	11.55	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	65.00	-3.42	V	61.58	73.98	12.40	PK
10620	51.02	-3.42	V	47.60	53.98	6.38	AV
15930	59.67	-3.29	V	56.38	73.98	17.60	PK
15930	42.66	-3.29	V	39.37	53.98	14.61	AV
10620	65.26	-3.42	H	61.84	73.98	12.14	PK
10620	51.31	-3.42	H	47.89	53.98	6.09	AV
15930	59.44	-3.29	H	56.15	73.98	17.83	PK
15930	42.49	-3.29	H	39.20	53.98	14.78	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.99	-3.05	V	66.94	73.98	7.04	PK
10540	54.97	-3.05	V	51.92	53.98	2.06	AV
15810	64.33	-3.08	V	61.25	73.98	12.73	PK
15810	45.74	-3.08	V	42.66	53.98	11.32	AV
10540	70.22	-3.05	H	67.17	73.98	6.81	PK
10540	55.23	-3.05	H	52.18	53.98	1.80	AV
15810	64.20	-3.08	H	61.12	73.98	12.86	PK
15810	45.61	-3.08	H	42.53	53.98	11.45	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	64.20	-3.42	V	60.78	73.98	13.20	PK
10620	51.08	-3.42	V	47.66	53.98	6.32	AV
15930	60.90	-3.29	V	57.61	73.98	16.37	PK
15930	42.93	-3.29	V	39.64	53.98	14.34	AV
10620	64.40	-3.42	H	60.98	73.98	13.00	PK
10620	51.32	-3.42	H	47.90	53.98	6.08	AV
15930	60.71	-3.29	H	57.42	73.98	16.56	PK
15930	42.77	-3.29	H	39.48	53.98	14.50	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	61.71	-3.05	V	58.66	73.98	15.32	PK
10580	47.61	-3.05	V	44.56	53.98	9.42	AV
15870	53.65	-3.08	V	50.57	73.98	23.41	PK
15870	40.07	-3.08	V	36.99	53.98	16.99	AV
10580	61.99	-3.05	H	58.94	73.98	15.04	PK
10580	47.80	-3.05	H	44.75	53.98	9.23	AV
15870	53.54	-3.08	H	50.46	73.98	23.52	PK
15870	39.97	-3.08	H	36.89	53.98	17.09	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	71.54	-1.80	V	69.74	73.98	4.24	PK
11000	54.36	-1.80	V	52.56	53.98	1.42	AV
16500	61.68	-2.03	V	59.65	68.20	8.55	PK
11000	70.61	-1.80	H	68.81	73.98	5.17	PK
11000	53.85	-1.80	H	52.05	53.98	1.93	AV
16500	62.10	-2.03	H	60.07	68.20	8.13	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.45	-2.51	V	66.94	73.98	7.04	PK
11160	54.85	-2.51	V	52.34	53.98	1.64	AV
16740	61.88	-0.22	V	61.66	68.20	6.54	PK
11160	69.18	-2.51	H	66.67	73.98	7.31	PK
11160	54.61	-2.51	H	52.10	53.98	1.88	AV
16740	62.00	-0.22	H	61.78	68.20	6.42	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	70.28	-1.80	V	68.48	73.98	5.50	PK
11440	54.65	-1.80	V	52.85	53.98	1.13	AV
17160	58.03	1.09	V	59.12	68.20	9.08	PK
11440	65.72	-1.80	H	63.92	73.98	10.06	PK
11440	52.12	-1.80	H	50.32	53.98	3.66	AV
17160	60.42	1.09	H	61.51	68.20	6.69	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. Distance extrapolation factor = 20 log (test distance / 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	68.96	-1.80	V	67.16	73.98	6.82	PK
11000	54.23	-1.80	V	52.43	53.98	1.55	AV
16500	62.99	-2.03	V	60.96	68.20	7.24	PK
11000	68.77	-1.80	H	66.97	73.98	7.01	PK
11000	54.03	-1.80	H	52.23	53.98	1.75	AV
16500	63.13	-2.03	H	61.10	68.20	7.10	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	66.66	-2.51	V	64.15	73.98	9.83	PK
11160	53.24	-2.51	V	50.73	53.98	3.25	AV
16740	64.04	-0.22	V	63.82	68.20	4.38	PK
11160	66.47	-2.51	H	63.96	73.98	10.02	PK
11160	53.02	-2.51	H	50.51	53.98	3.47	AV
16740	64.16	-0.22	H	63.94	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	66.48	-1.80	V	64.68	73.98	9.30	PK
11440	54.37	-1.80	V	52.57	53.98	1.41	AV
17160	59.57	1.09	V	60.66	68.20	7.54	PK
11440	66.18	-1.80	H	64.38	73.98	9.60	PK
11440	54.06	-1.80	H	52.26	53.98	1.72	AV
17160	59.77	1.09	H	60.86	68.20	7.34	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	69.42	-1.80	V	67.62	73.98	6.36	PK
11000	54.48	-1.80	V	52.68	53.98	1.30	AV
16500	62.53	-2.03	V	60.50	68.20	7.70	PK
11000	69.33	-1.80	H	67.53	73.98	6.45	PK
11000	54.29	-1.80	H	52.49	53.98	1.49	AV
16500	62.75	-2.03	H	60.72	68.20	7.48	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	68.50	-2.51	V	65.99	73.98	7.99	PK
11160	55.42	-2.51	V	52.91	53.98	1.07	AV
16740	62.51	-0.22	V	62.29	68.20	5.91	PK
11160	68.39	-2.51	H	65.88	73.98	8.10	PK
11160	55.17	-2.51	H	52.66	53.98	1.32	AV
16740	62.76	-0.22	H	62.54	68.20	5.66	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	66.96	-1.80	V	65.16	73.98	8.82	PK
11440	54.12	-1.80	V	52.32	53.98	1.66	AV
17160	61.18	1.09	V	62.27	68.20	5.93	PK
11440	66.71	-1.80	H	64.91	73.98	9.07	PK
11440	53.98	-1.80	H	52.18	53.98	1.80	AV
17160	61.36	1.09	H	62.45	68.20	5.75	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	59.52	-1.80	V	57.72	73.98	16.26	PK
11020	44.69	-1.80	V	42.89	53.98	11.09	AV
16530	58.01	-0.22	V	57.79	68.20	10.41	PK
11020	59.31	-1.80	H	57.51	73.98	16.47	PK
11020	44.27	-1.80	H	42.47	53.98	11.51	AV
16530	58.22	-0.22	H	58.00	68.20	10.20	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	66.45	-1.80	V	64.65	73.98	9.33	PK
11100	52.39	-1.80	V	50.59	53.98	3.39	AV
16650	62.24	-0.22	V	62.02	68.20	6.18	PK
11100	66.15	-1.80	H	64.35	73.98	9.63	PK
11100	52.03	-1.80	H	50.23	53.98	3.75	AV
16650	62.43	-0.22	H	62.21	68.20	5.99	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	67.13	-1.80	V	65.33	73.98	8.65	PK
11420	53.48	-1.80	V	51.68	53.98	2.30	AV
17130	60.17	1.09	V	61.26	68.20	6.94	PK
11420	66.83	-1.80	H	65.03	73.98	8.95	PK
11420	53.17	-1.80	H	51.37	53.98	2.61	AV
17130	60.54	1.09	H	61.63	68.20	6.57	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	58.44	-1.80	V	56.64	73.98	17.34	PK
11020	44.03	-1.80	V	42.23	53.98	11.75	AV
16530	59.00	-0.22	V	58.78	68.20	9.42	PK
11020	58.07	-1.80	H	56.27	73.98	17.71	PK
11020	43.81	-1.80	H	42.01	53.98	11.97	AV
16530	59.19	-0.22	H	58.97	68.20	9.23	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	66.66	-1.80	V	64.86	73.98	9.12	PK
11100	53.23	-1.80	V	51.43	53.98	2.55	AV
16650	62.53	-0.22	V	62.31	68.20	5.89	PK
11100	66.47	-1.80	H	64.67	73.98	9.31	PK
11100	53.11	-1.80	H	51.31	53.98	2.67	AV
16650	62.75	-0.22	H	62.53	68.20	5.67	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	66.91	-1.80	V	65.11	73.98	8.87	PK
11420	53.62	-1.80	V	51.82	53.98	2.16	AV
17130	60.65	1.09	V	61.74	68.20	6.46	PK
11420	66.77	-1.80	H	64.97	73.98	9.01	PK
11420	53.47	-1.80	H	51.67	53.98	2.31	AV
17130	60.85	1.09	H	61.94	68.20	6.26	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	55.41	-1.80	V	53.61	73.98	20.37	PK
11060	42.84	-1.80	V	41.04	53.98	12.94	AV
16590	57.33	-0.22	V	57.11	68.20	11.09	PK
11060	55.28	-1.80	H	53.48	73.98	20.50	PK
11060	42.66	-1.80	H	40.86	53.98	13.12	AV
16590	57.46	-0.22	H	57.24	68.20	10.96	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	61.41	-1.80	V	59.61	73.98	14.37	PK
11380	50.29	-1.80	V	48.49	53.98	5.49	AV
17070	57.09	1.09	V	58.18	68.20	10.02	PK
11380	61.22	-1.80	H	59.42	73.98	14.56	PK
11380	50.09	-1.80	H	48.29	53.98	5.69	AV
17070	57.54	1.09	H	58.63	68.20	9.57	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	70.19	-2.31	V	67.88	73.98	6.10	PK
11490	54.42	-2.31	V	52.11	53.98	1.87	AV
17235	52.35	2.26	V	54.61	68.20	13.59	PK
11490	70.01	-2.31	H	67.70	73.98	6.28	PK
11490	54.07	-2.31	H	51.76	53.98	2.22	AV
17235	52.11	2.26	H	54.37	68.20	13.83	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	72.46	-2.57	V	69.89	73.98	4.09	PK
11570	55.33	-2.57	V	52.76	53.98	1.22	AV
17355	51.30	1.68	V	52.98	68.20	15.22	PK
11570	71.99	-2.57	H	69.42	73.98	4.56	PK
11570	55.17	-2.57	H	52.60	53.98	1.38	AV
17355	51.07	1.68	H	52.75	68.20	15.45	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	70.66	-2.83	V	67.83	73.98	6.15	PK
11650	55.49	-2.83	V	52.66	53.98	1.32	AV
17475	51.93	4.48	V	56.41	68.20	11.79	PK
11650	70.79	-2.83	H	67.96	73.98	6.02	PK
11650	53.88	-2.83	H	51.05	53.98	2.93	AV
17475	51.28	4.48	H	55.76	68.20	12.44	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	68.75	-2.31	V	66.44	73.98	7.54	PK
11490	54.67	-2.31	V	52.36	53.98	1.62	AV
17235	52.22	2.26	V	54.48	68.20	13.72	PK
11490	68.61	-2.31	H	66.30	73.98	7.68	PK
11490	54.54	-2.31	H	52.23	53.98	1.75	AV
17235	52.12	2.26	H	54.38	68.20	13.82	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.18	-2.57	V	66.61	73.98	7.37	PK
11570	54.86	-2.57	V	52.29	53.98	1.69	AV
17355	51.47	1.68	V	53.15	68.20	15.05	PK
11570	69.04	-2.57	H	66.47	73.98	7.51	PK
11570	54.61	-2.57	H	52.04	53.98	1.94	AV
17355	51.30	1.68	H	52.98	68.20	15.22	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	69.64	-2.83	V	66.81	73.98	7.17	PK
11650	54.82	-2.83	V	51.99	53.98	1.99	AV
17475	51.34	4.48	V	55.82	68.20	12.38	PK
11650	69.41	-2.83	H	66.58	73.98	7.40	PK
11650	54.62	-2.83	H	51.79	53.98	2.19	AV
17475	51.29	4.48	H	55.77	68.20	12.43	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	68.34	-2.31	V	66.03	73.98	7.95	PK
11490	54.49	-2.31	V	52.18	53.98	1.80	AV
17235	52.61	2.26	V	54.87	68.20	13.33	PK
11490	68.12	-2.31	H	65.81	73.98	8.17	PK
11490	54.18	-2.31	H	51.87	53.98	2.11	AV
17235	52.33	2.26	H	54.59	68.20	13.61	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	69.79	-2.57	V	67.22	73.98	6.76	PK
11570	54.89	-2.57	V	52.32	53.98	1.66	AV
17355	51.58	1.68	V	53.26	68.20	14.94	PK
11570	69.37	-2.57	H	66.80	73.98	7.18	PK
11570	54.81	-2.57	H	52.24	53.98	1.74	AV
17355	51.39	1.68	H	53.07	68.20	15.13	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	69.31	-2.83	V	66.48	73.98	7.50	PK
11650	55.11	-2.83	V	52.28	53.98	1.70	AV
17475	52.07	4.48	V	56.55	68.20	11.65	PK
11650	69.03	-2.83	H	66.20	73.98	7.78	PK
11650	54.89	-2.83	H	52.06	53.98	1.92	AV
17475	52.01	4.48	H	56.49	68.20	11.71	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = 20 log (test distance / 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	66.57	-2.31	V	64.26	73.98	9.72	PK
11510	53.68	-2.31	V	51.37	53.98	2.61	AV
17265	52.25	1.64	V	53.89	68.20	14.31	PK
11510	66.18	-2.31	H	63.87	73.98	10.11	PK
11510	53.19	-2.31	H	50.88	53.98	3.10	AV
17265	52.17	1.64	H	53.81	68.20	14.39	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	68.20	-2.57	V	65.63	73.98	8.35	PK
11590	54.79	-2.57	V	52.22	53.98	1.76	AV
17385	50.74	3.54	V	54.28	68.20	13.92	PK
11590	67.93	-2.57	H	65.36	73.98	8.62	PK
11590	54.39	-2.57	H	51.82	53.98	2.16	AV
17385	50.69	3.54	H	54.23	68.20	13.97	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	66.04	-2.31	V	63.73	73.98	10.25	PK
11510	53.96	-2.31	V	51.65	53.98	2.33	AV
17265	52.30	1.64	V	53.94	68.20	14.26	PK
11510	65.83	-2.31	H	63.52	73.98	10.46	PK
11510	53.77	-2.31	H	51.46	53.98	2.52	AV
17265	52.22	1.64	H	53.86	68.20	14.34	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. 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	67.62	-2.57	V	65.05	73.98	8.93	PK
11590	54.86	-2.57	V	52.29	53.98	1.69	AV
17385	50.40	3.54	V	53.94	68.20	14.26	PK
11590	67.53	-2.57	H	64.96	73.98	9.02	PK
11590	54.55	-2.57	H	51.98	53.98	2.00	AV
17385	50.25	3.54	H	53.79	68.20	14.41	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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna
6. 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	63.45	-2.31	V	61.14	73.98	12.84	PK
11550	49.03	-2.31	V	46.72	53.98	7.26	AV
17325	51.42	1.64	V	53.06	68.20	15.14	PK
11550	68.20	-2.31	H	65.89	73.98	8.09	PK
11550	48.77	-2.31	H	46.46	53.98	7.52	AV
17325	51.38	1.64	H	53.02	68.20	15.18	PK

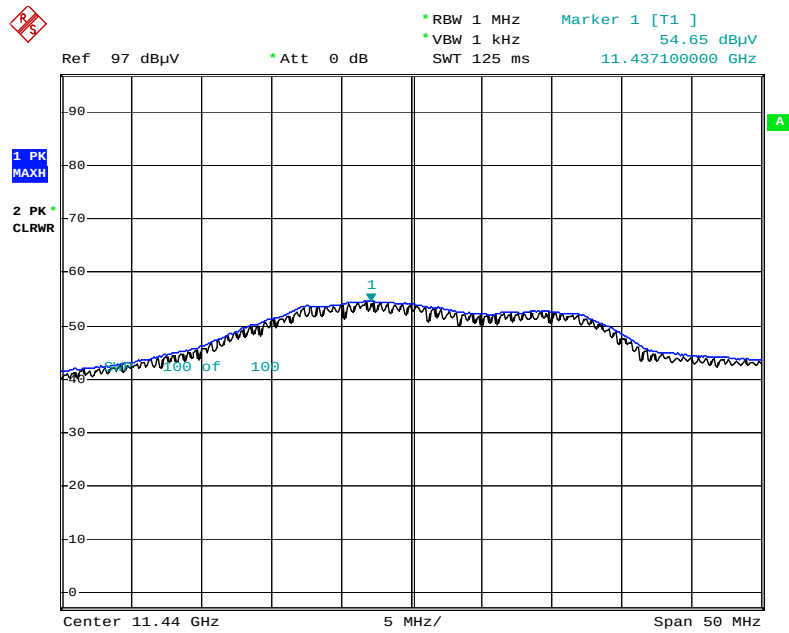
*AN. : Antenna Factor / CL : Cable Loss / Amp.G. : Amplifier Gain / D.F. : Distance Factor

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 x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
6. Distance extrapolation factor = $20 \log (\text{test distance} / \text{specific distance})$ (dB)

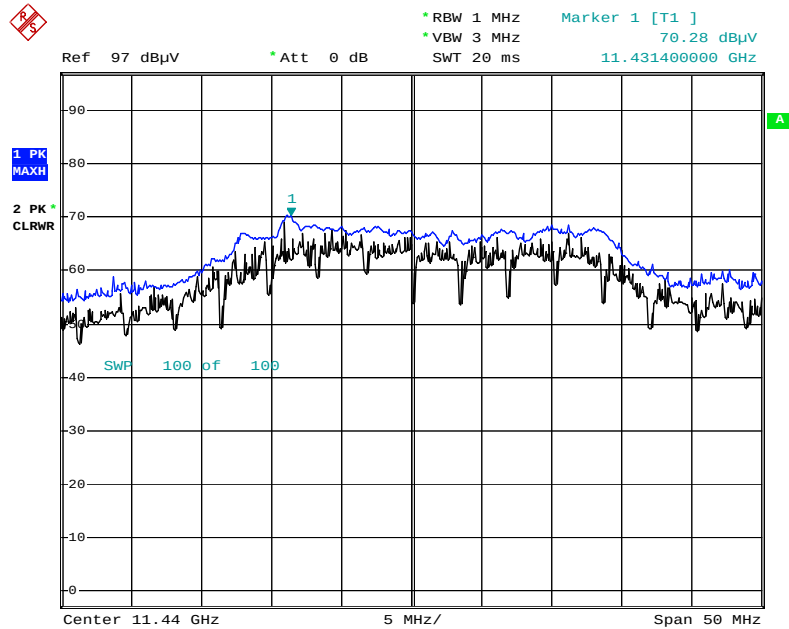
RESULT PLOTS

Radiated Spurious Emissions plot –Average Reading (802.11a, Ch.144 2nd Harmonic, X-V)



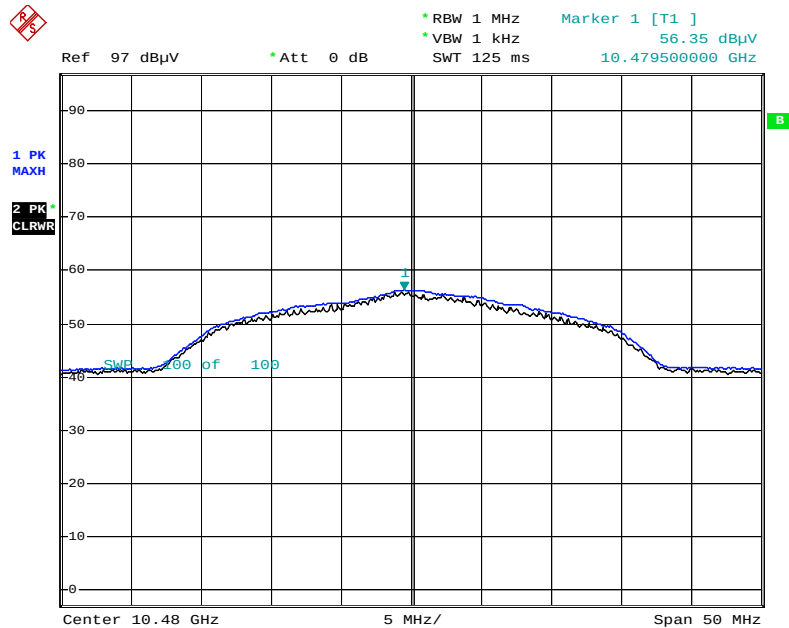
Date: 26.SEP.2017 10:29:48

Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.144 2nd Harmonic, X-V)



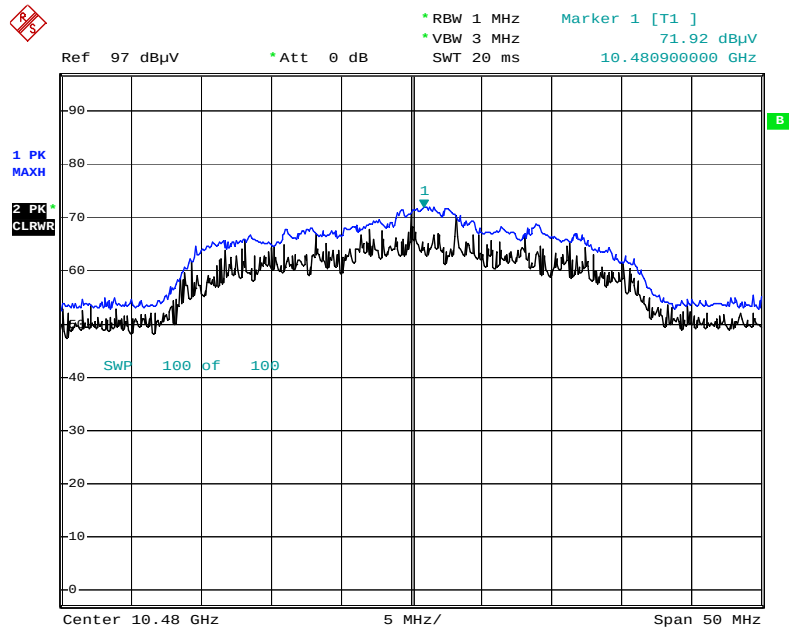
Date: 26.SEP.2017 10:31:50

Radiated Spurious Emissions plot – Average Reading(802.11n_HT20, Ch.48 2nd Harmonic, Y-H)



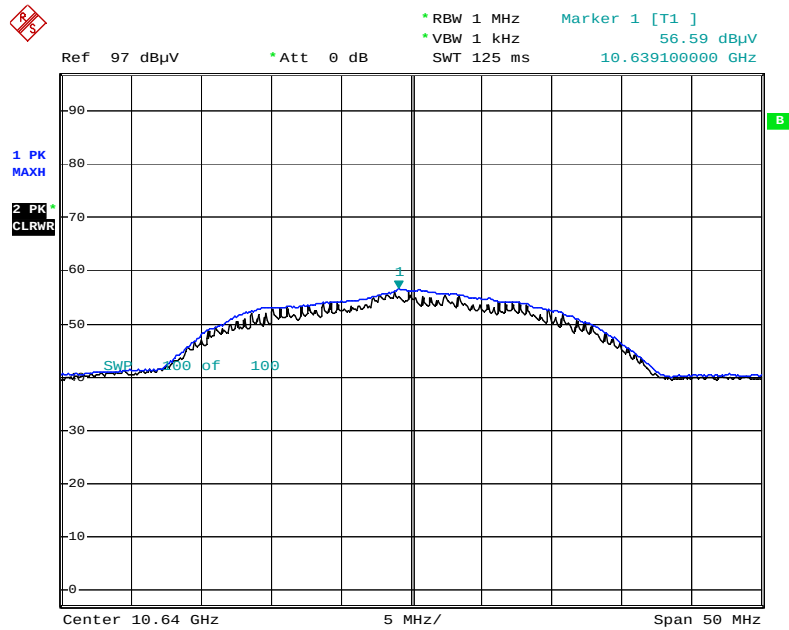
Date: 18.SEP.2017 10:47:21

Radiated Spurious Emissions plot – Peak Reading(802.11n_HT20, Ch.48 2nd Harmonic, Y-H)



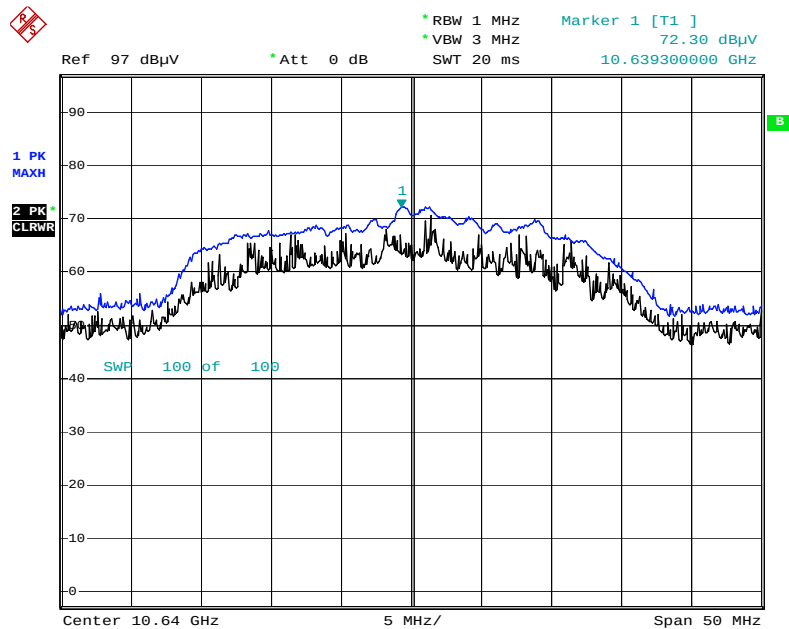
Date: 18.SEP.2017 10:46:22

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT20, Ch.64 2nd Harmonic, Y-H)



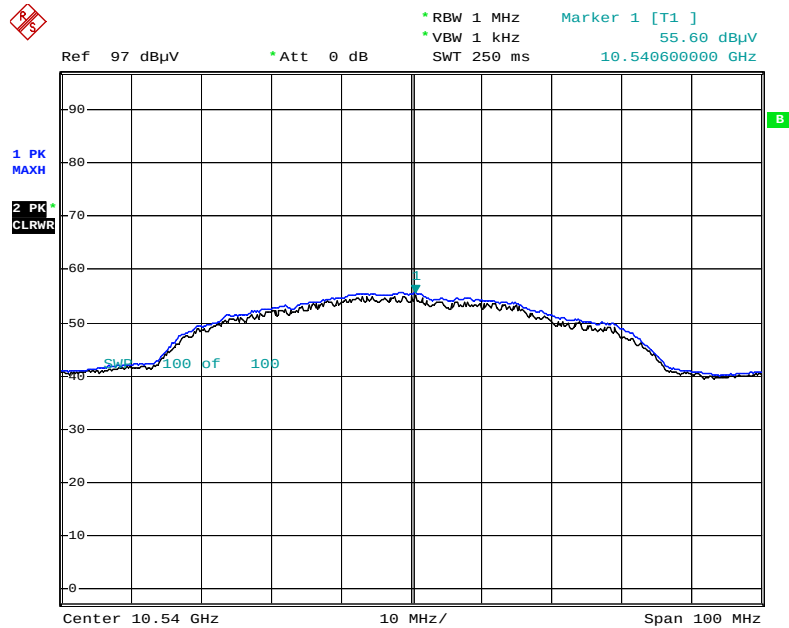
Date: 18.SEP.2017 10:52:28

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT20, Ch.64 2nd Harmonic, Y-H)



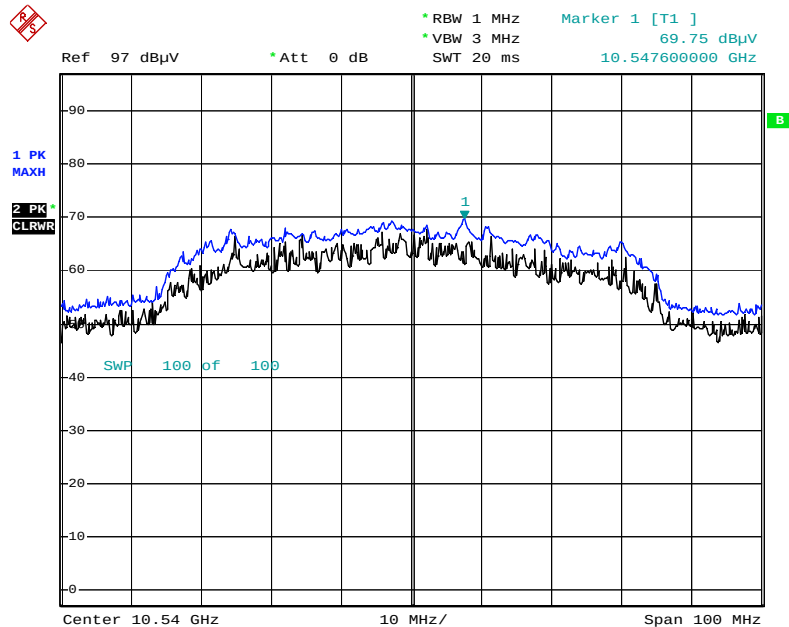
Date: 18.SEP.2017 10:53:13

Radiated Spurious Emissions plot – Average Reading (802.11n_HT40, Ch.54 2nd Harmonic, Y-H)



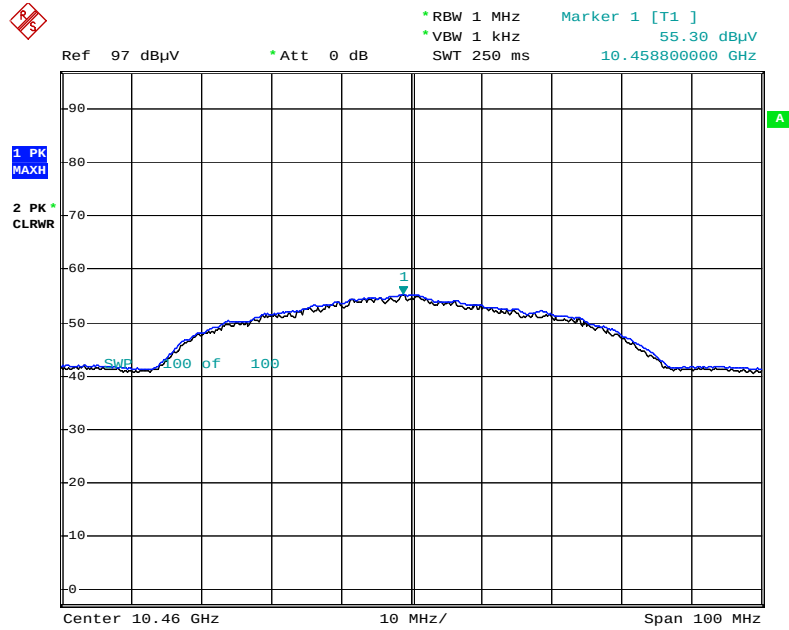
Date: 18.SEP.2017 10:56:28

Radiated Spurious Emissions plot – Peak Reading (802.11n_HT40, Ch.54 2nd Harmonic, Y-H)



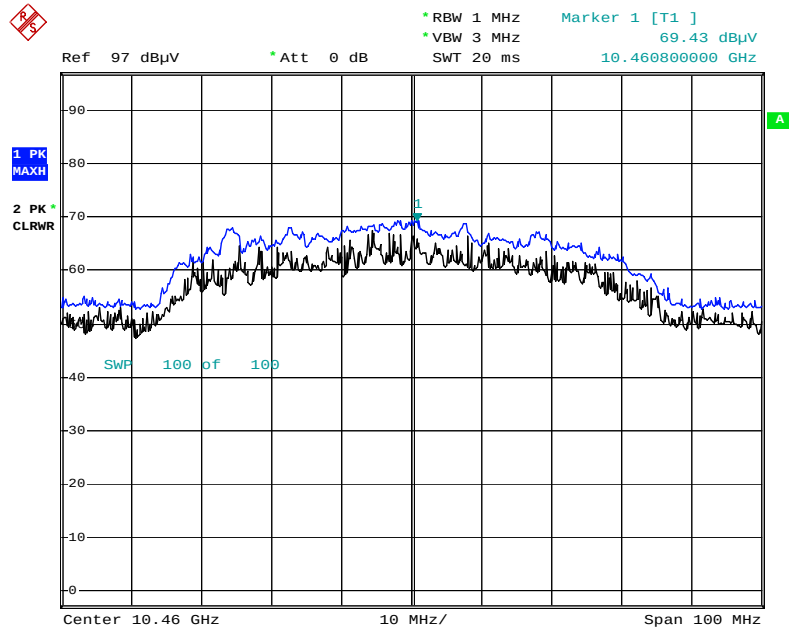
Date: 18.SEP.2017 10:54:47

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT40, Ch.46 2nd Harmonic, Y-H)



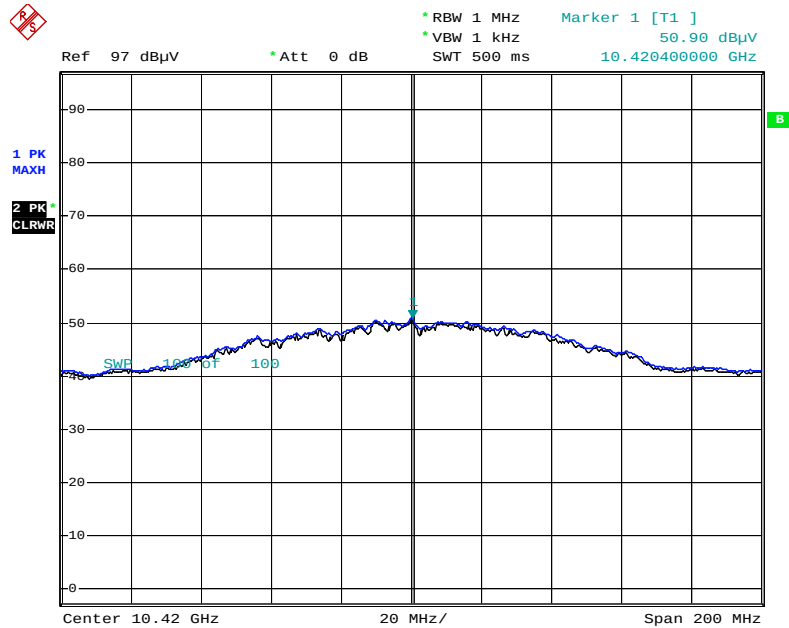
Date: 26.SEP.2017 10:41:28

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT40, Ch.46 2nd Harmonic, Y-H)



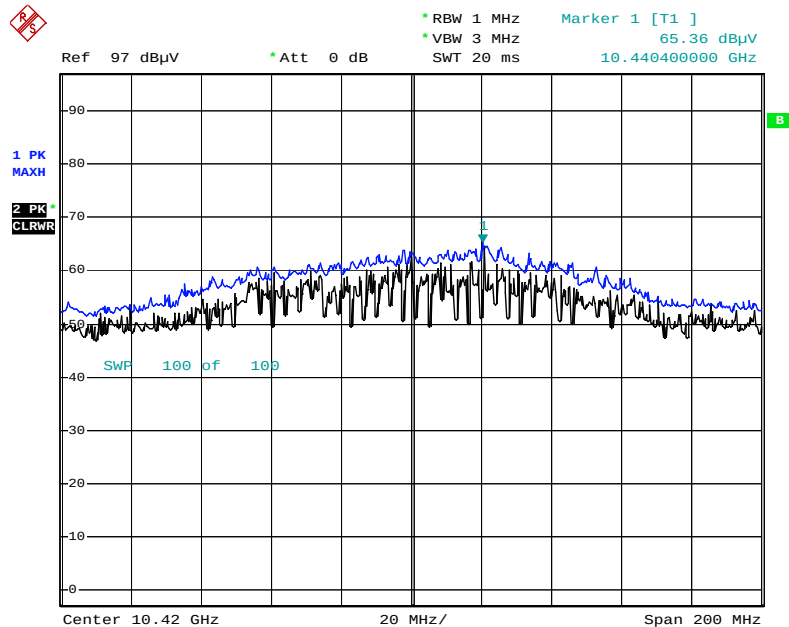
Date: 26.SEP.2017 10:42:23

Radiated Spurious Emissions plot – Average Reading (802.11ac_VHT80, Ch.42 2nd Harmonic, Y-H)



Date: 18.SEP.2017 11:04:41

Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT80, Ch.42 2nd Harmonic, Y-H)



Date: 18.SEP.2017 11:03:12

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

9.7.2 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)).

[MIMO]

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	64.37	2.63	H	67.00	73.98	6.98	PK
5150	46.14	2.63	H	48.77	53.98	5.21	AV
5150	64.42	2.63	V	67.05	73.98	6.93	PK
5150	47.50	2.63	V	50.13	53.98	3.85	AV

Report No.: HCT-R-1709-F011-2

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	67.86	2.63	H	70.49	73.98	3.49	PK
5150	47.84	2.63	H	50.47	53.98	3.51	AV
5150	68.13	2.63	V	70.76	73.98	3.22	PK
5150	49.45	2.63	V	52.08	53.98	1.90	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	68.25	2.63	H	70.88	73.98	3.10	PK
5150	48.09	2.63	H	50.72	53.98	3.26	AV
5150	68.42	2.63	V	71.05	73.98	2.93	PK
5150	49.60	2.63	V	52.23	53.98	1.75	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	65.31	2.63	H	67.94	73.98	6.04	PK
5150	49.62	2.63	H	52.25	53.98	1.73	AV
5150	66.58	2.63	V	69.21	73.98	4.77	PK
5150	50.70	2.63	V	53.33	53.98	0.65	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	66.05	2.63	H	68.68	73.98	5.30	PK
5150	49.08	2.63	H	51.71	53.98	2.27	AV
5150	66.71	2.63	V	69.34	73.98	4.64	PK
5150	50.39	2.63	V	53.02	53.98	0.96	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	65.65	2.63	H	68.28	73.98	5.70	PK
5150	50.59	2.63	H	53.22	53.98	0.76	AV
5150	63.91	2.63	V	66.54	73.98	7.44	PK
5150	50.13	2.63	V	52.76	53.98	1.22	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	62.55	3.34	H	65.89	73.98	8.09	PK
5350	43.17	3.34	H	46.51	53.98	7.47	AV
5350	62.62	3.34	V	65.96	73.98	8.02	PK
5350	43.75	3.34	V	47.09	53.98	6.89	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	67.88	3.34	H	71.22	73.98	2.76	PK
5350	46.38	3.34	H	49.72	53.98	4.26	AV
5350	67.42	3.34	V	70.76	73.98	3.22	PK
5350	46.31	3.34	V	49.65	53.98	4.33	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	65.60	3.34	H	68.94	73.98	5.04	PK
5350	45.94	3.34	H	49.28	53.98	4.70	AV
5350	67.38	3.34	V	70.72	73.98	3.26	PK
5350	46.15	3.34	V	49.49	53.98	4.49	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	67.44	3.34	H	70.78	73.98	3.20	PK
5350	49.94	3.34	H	53.28	53.98	0.70	AV
5350	66.24	3.34	V	69.58	73.98	4.40	PK
5350	49.21	3.34	V	52.55	53.98	1.43	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	66.87	3.34	H	70.21	73.98	3.77	PK
5350	49.10	3.34	H	52.44	53.98	1.54	AV
5350	66.12	3.34	V	69.46	73.98	4.52	PK
5350	49.08	3.34	V	52.42	53.98	1.56	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	67.06	3.34	H	70.40	73.98	3.58	PK
5350	48.52	3.34	H	51.86	53.98	2.12	AV
5350	64.66	3.34	V	68	73.98	5.98	PK
5350	48.27	3.34	V	51.61	53.98	2.37	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	55.15	4.91	H	60.06	73.98	13.92	PK
5460	38.15	4.91	H	43.06	53.98	10.92	AV
*5470	61.16	4.98	H	66.14	73.98	7.84	PK
*5470	40.43	4.98	H	45.41	53.98	8.57	AV
5460	54.91	4.91	V	59.82	73.98	14.16	PK
5460	38.02	4.91	V	42.93	53.98	11.05	AV
*5470	62.28	4.98	V	67.26	73.98	6.72	PK
*5470	40.95	4.98	V	45.93	53.98	8.05	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	54.12	4.91	H	59.03	73.98	14.95	PK
5460	37.72	4.91	H	42.63	53.98	11.35	AV
*5470	64.30	4.98	H	69.28	73.98	4.70	PK
*5470	42.46	4.98	H	47.44	53.98	6.54	AV
5460	55.57	4.91	V	60.48	73.98	13.50	PK
5460	37.80	4.91	V	42.71	53.98	11.27	AV
*5470	66.34	4.98	V	71.32	73.98	2.66	PK
*5470	43.92	4.98	V	48.9	53.98	5.08	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	53.66	4.91	H	58.57	73.98	15.41	PK
5460	37.80	4.91	H	42.71	53.98	11.27	AV
*5470	65.52	4.98	H	70.5	73.98	3.48	PK
*5470	43.27	4.98	H	48.25	53.98	5.73	AV
5460	54.99	4.91	V	59.9	73.98	14.08	PK
5460	38.07	4.91	V	42.98	53.98	11.00	AV
*5470	66.99	4.98	V	71.97	73.98	2.01	PK
*5470	44.30	4.98	V	49.28	53.98	4.70	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	55.00	4.91	H	59.91	73.98	14.07	PK
5460	39.23	4.91	H	44.14	53.98	9.84	AV
*5470	62.72	4.98	H	67.7	73.98	6.28	PK
*5470	46.58	4.98	H	51.56	53.98	2.42	AV
5460	55.50	4.91	V	60.41	73.98	13.57	PK
5460	39.72	4.91	V	44.63	53.98	9.35	AV
*5470	62.71	4.98	V	67.69	73.98	6.29	PK
*5470	47.43	4.98	V	52.41	53.98	1.57	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	61.19	4.91	H	66.10	73.98	7.88	PK
5460	39.00	4.91	H	43.91	53.98	10.07	AV
*5470	62.10	4.98	H	67.08	73.98	6.90	PK
*5470	46.24	4.98	H	51.22	53.98	2.76	AV
5460	61.37	4.91	V	66.28	73.98	7.70	PK
5460	39.49	4.91	V	44.4	53.98	9.58	AV
*5470	62.83	4.98	V	67.81	73.98	6.17	PK
*5470	47.64	4.98	V	52.62	53.98	1.36	AV

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

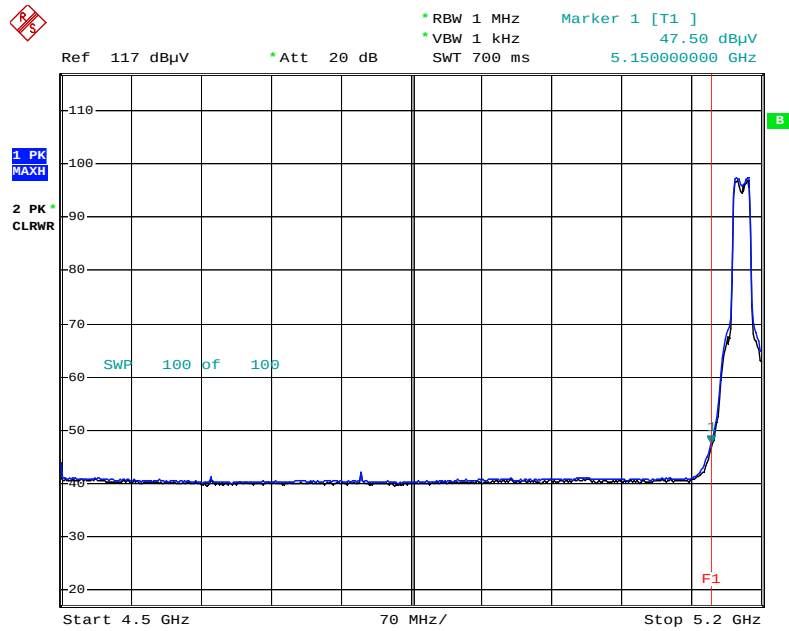
Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	61.39	4.91	H	66.30	73.98	7.68	PK
5460	47.27	4.91	H	52.18	53.98	1.80	AV
*5470	61.62	4.98	H	66.6	73.98	7.38	PK
*5470	47.63	4.98	H	52.61	53.98	1.37	AV
5460	62.65	4.91	V	67.56	73.98	6.42	PK
5460	46.60	4.91	V	51.51	53.98	2.47	AV
*5470	62.10	4.98	V	67.08	73.98	6.90	PK
*5470	47.87	4.98	V	52.85	53.98	1.13	AV

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT + Distance Factor
2. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
3. “*” is radiated band edge test frequency.(not restricted band emissions)

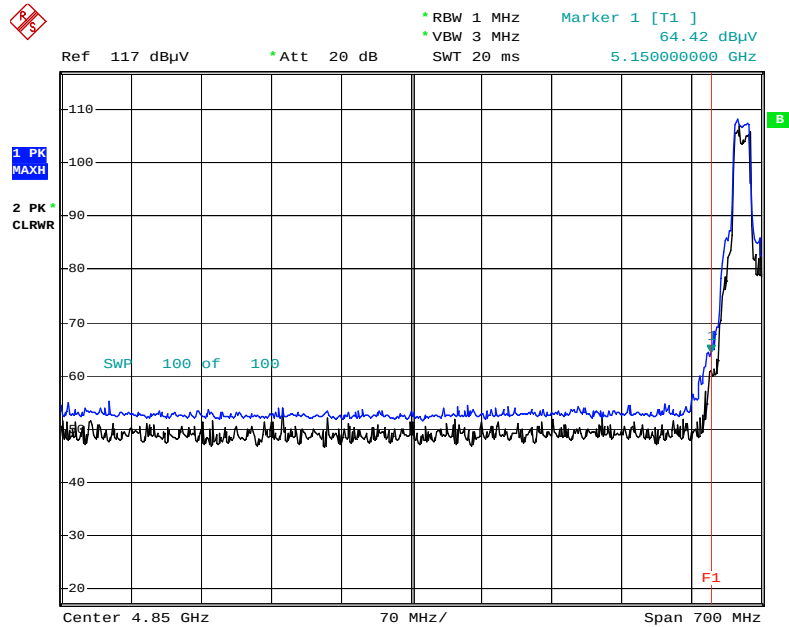
RESULT PLOTS

Radiated Restricted Band Edges plot – Average Reading (802.11a, Ch.36, Z-V)



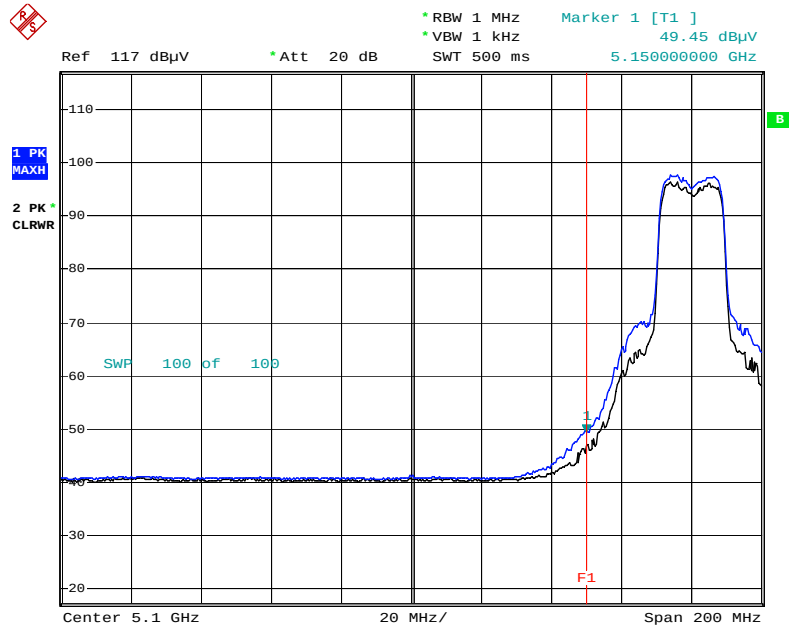
Date: 15.SEP.2017 15:34:34

Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.36, Z-V)



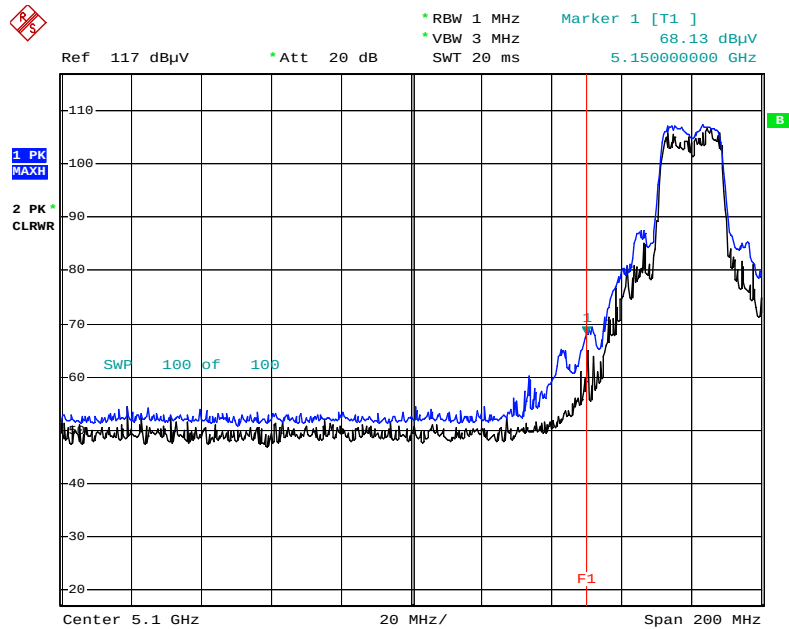
Date: 15.SEP.2017 15:36:15

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT20, Ch.36, Z-V)



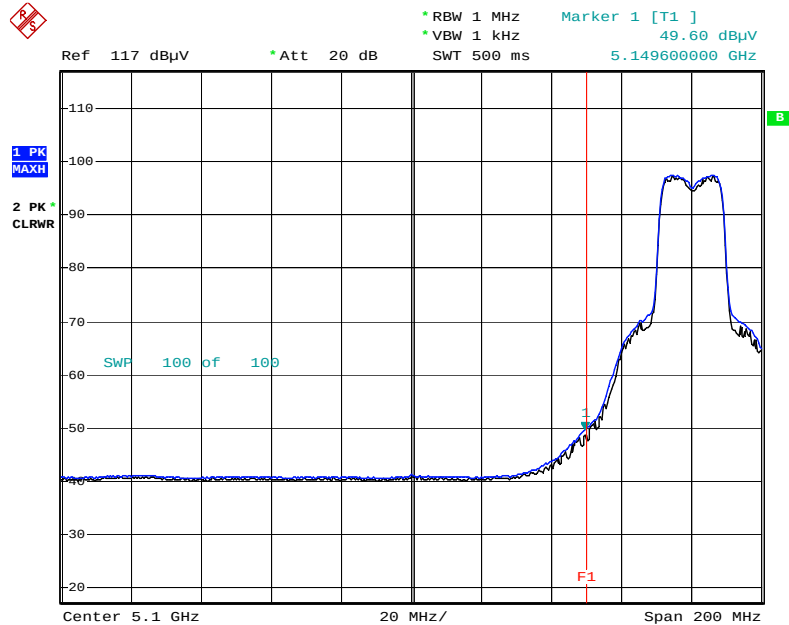
Date: 15.SEP.2017 16:01:35

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20, Ch.36, Z-V)



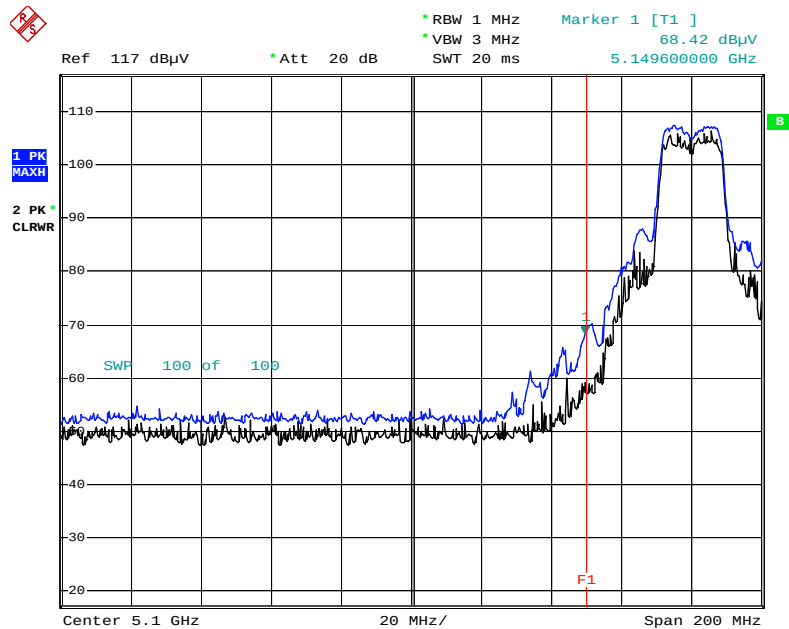
Date: 15.SEP.2017 16:02:20

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT20, Ch.36, Z-V)



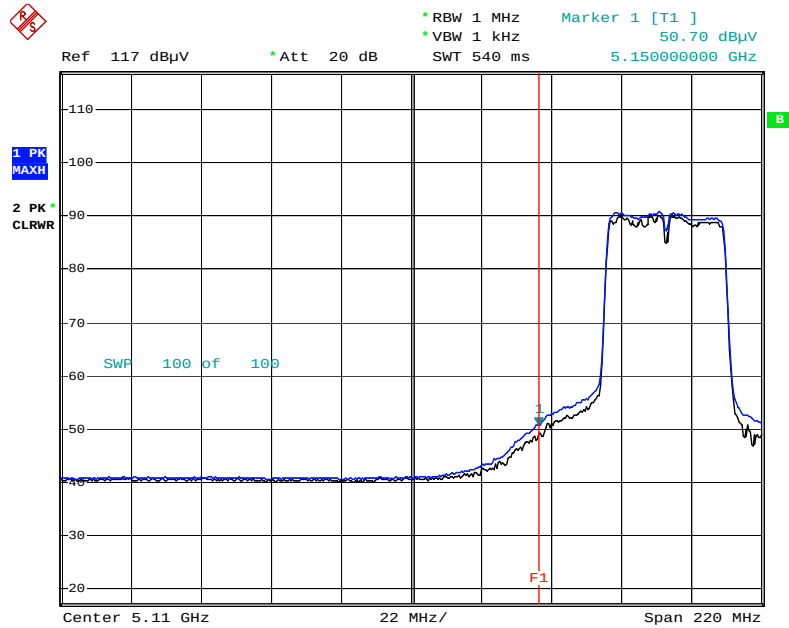
Date: 15.SEP.2017 16:04:43

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.36, Z-V)



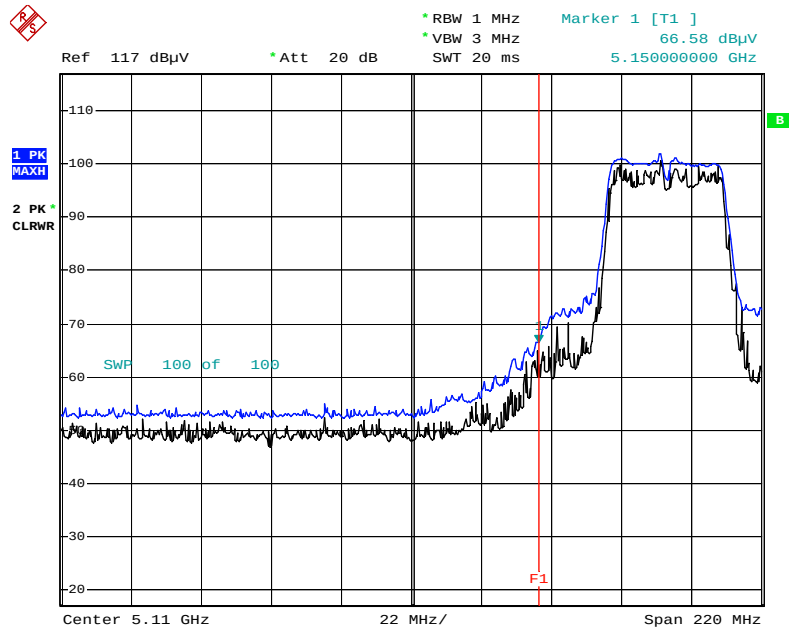
Date: 15.SEP.2017 16:03:22

Radiated Restricted Band Edges plot – Average Reading (802.11n_HT40, Ch.38, Z-V)



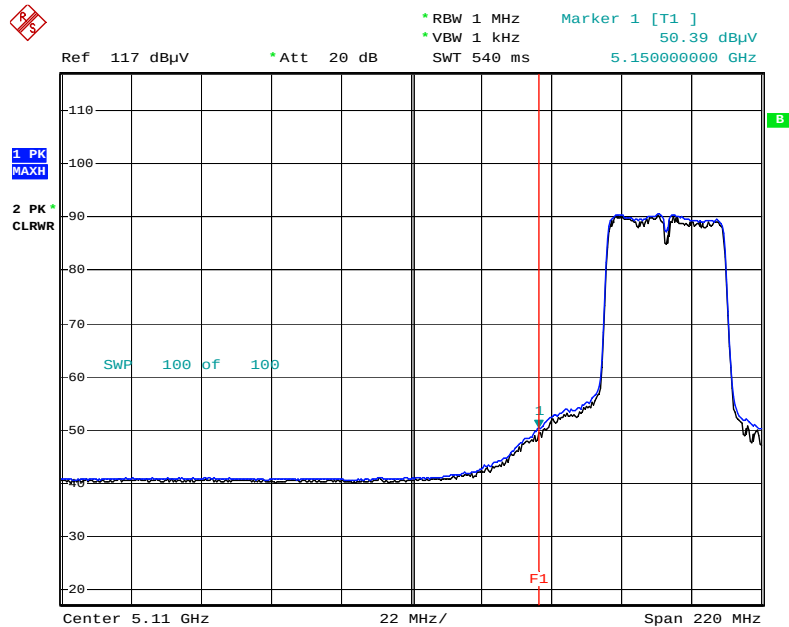
Date: 15.SEP.2017 16:07:09

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40, Ch.38, Z-V)



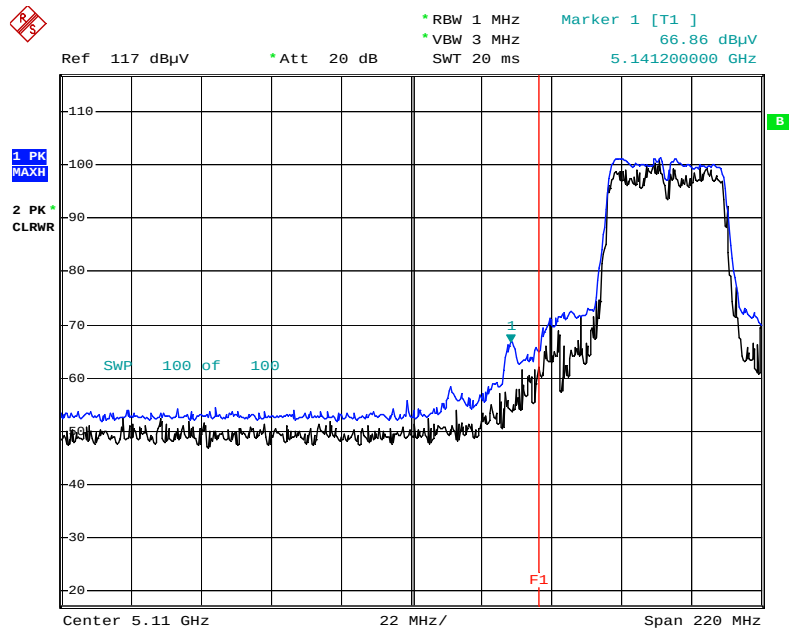
Date: 15.SEP.2017 16:08:40

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT40, Ch.38, Z-V)



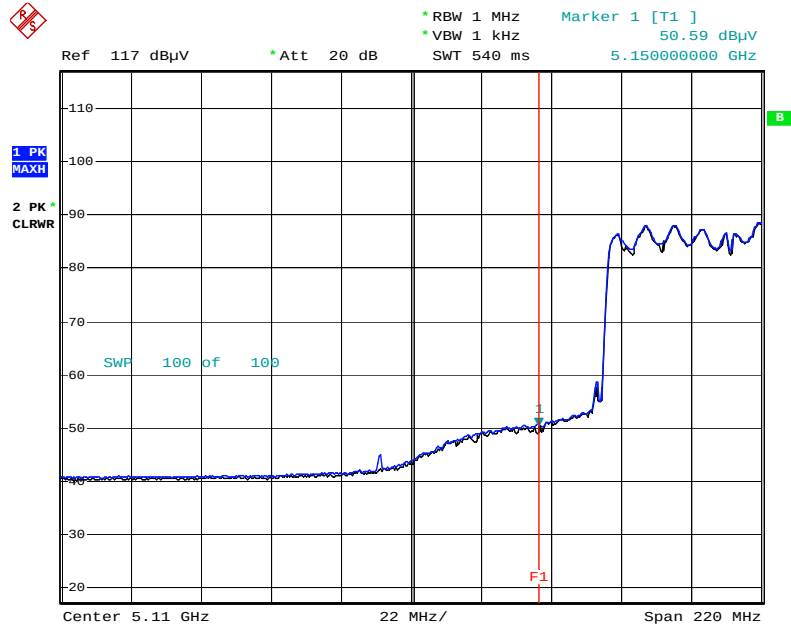
Date: 15.SEP.2017 16:10:55

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40, Ch.38, Z-V)



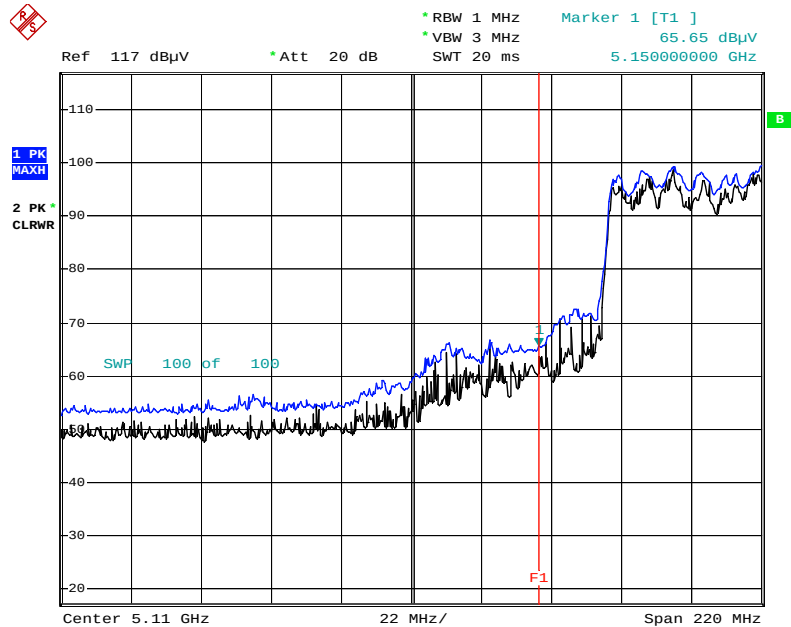
Date: 15.SEP.2017 16:11:50

Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT80, Ch.42, X-H)



Date: 15.SEP.2017 16:14:22

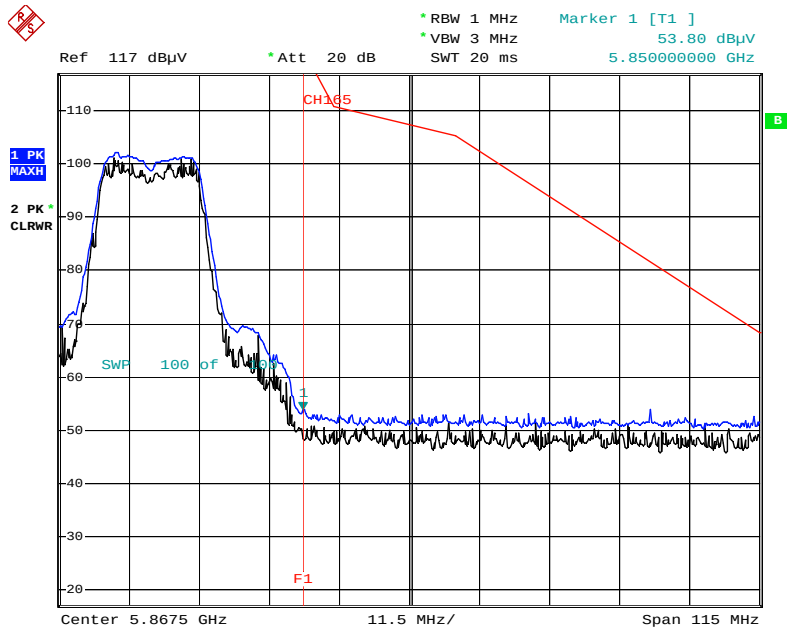
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80, Ch.42, X-H)



Date: 15.SEP.2017 16:20:24

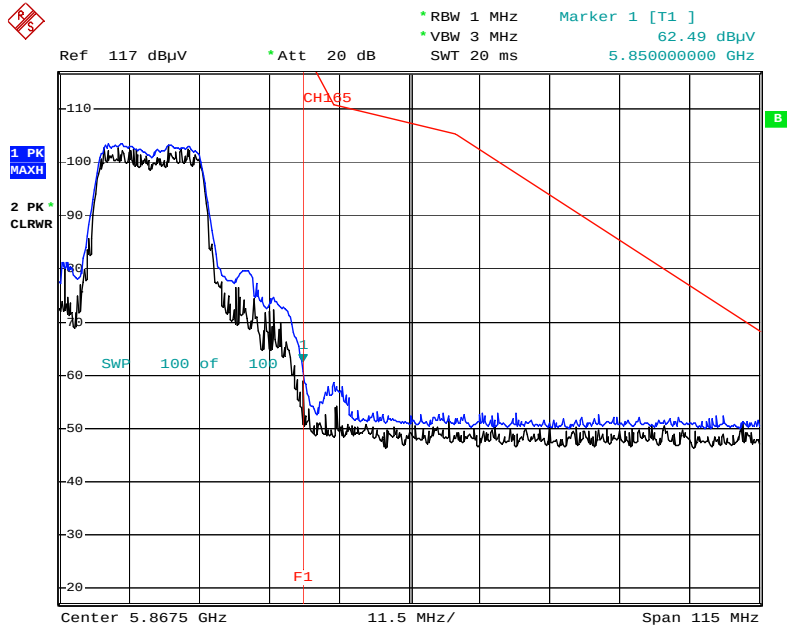
■ RESULT PLOTS (UNII 3)

Radiated Restricted Band Edges plot – Peak Reading (802.11a)



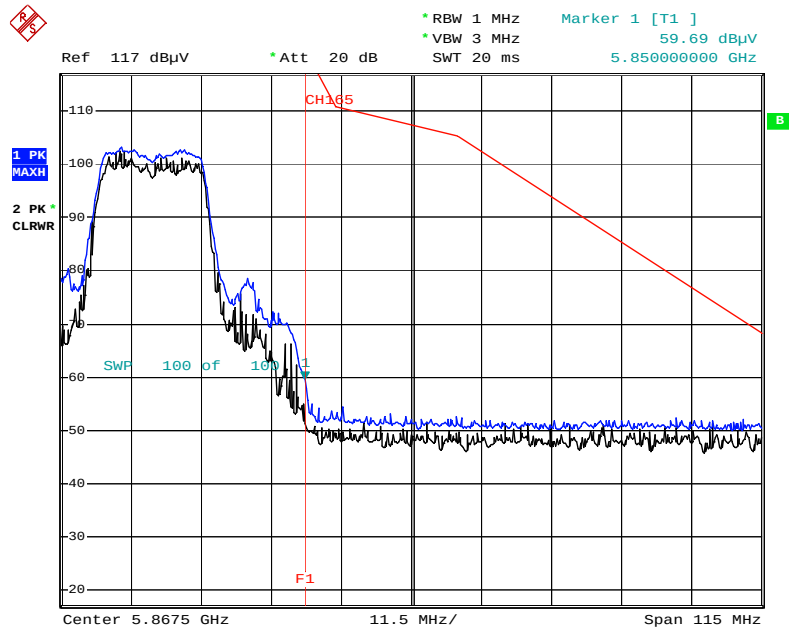
Date: 15.SEP.2017 15:38:30

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20)



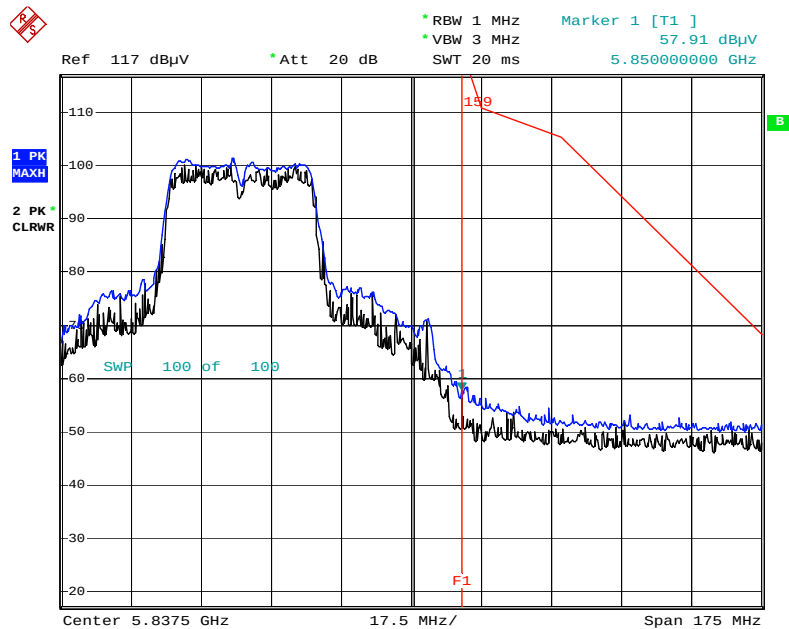
Date: 15.SEP.2017 15:45:13

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20)



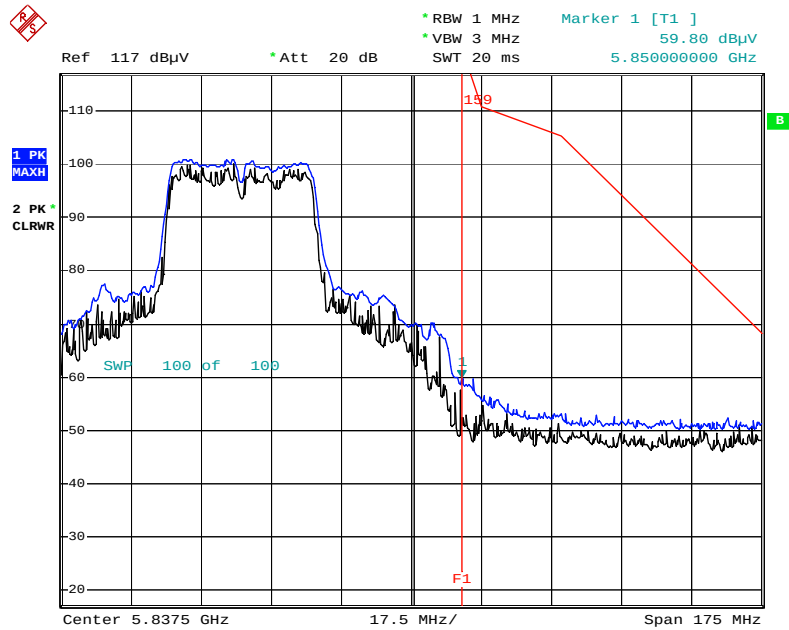
Date: 15.SEP.2017 15:46:18

Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT40)



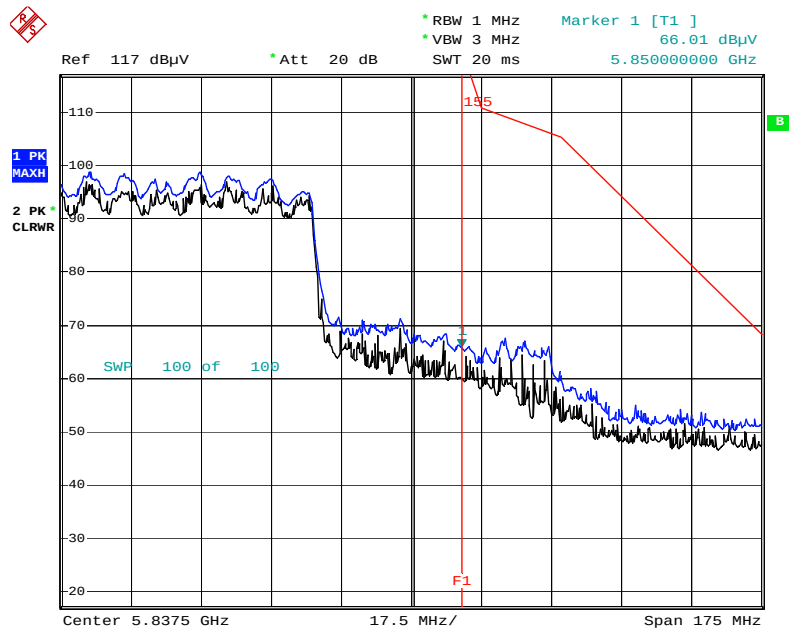
Date: 15.SEP.2017 15:50:29

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT40)



Date: 15.SEP.2017 15:53:01

Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT80)



Date: 15.SEP.2017 15:54:35

9.7.3 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							

9.8 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

RESULT PLOTS

Conducted Emissions (Line 1)

EMI Auto Test(15)

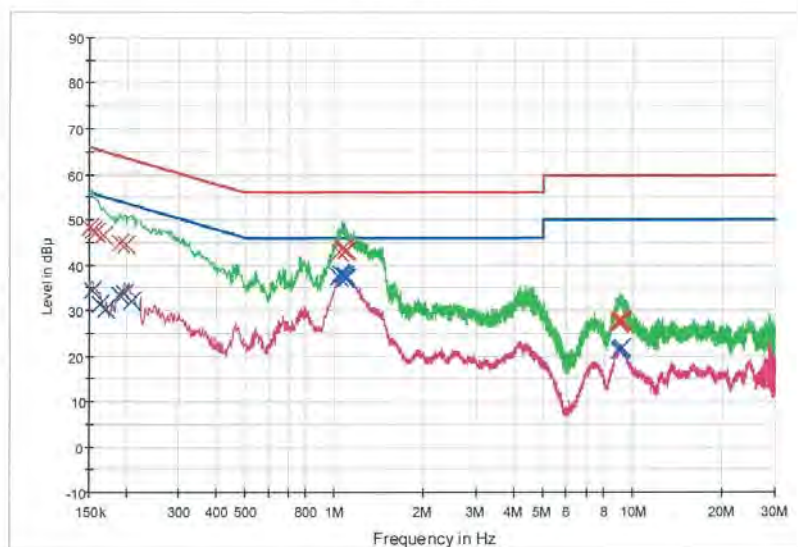
1 / 2

HCT TEST Report

Common Information

EUT: LGSWFAC81
Manufacturer: LG
Test Site: SHIELD ROOM
Operating Conditions: WLAN 5GHz MODE

FCC CLASS B



— FCC CLASS B_QP — FCC CLASS B_AV — Preview Result 1-PK+
— Preview Result 2-AVG — Final Result 1-QPK — Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	48.2	9.000	Off	L1	9.6	17.8	66.0
0.154000	47.8	9.000	Off	L1	9.6	18.0	65.8
0.158000	47.3	9.000	Off	L1	9.6	18.2	65.6
0.166000	46.5	9.000	Off	L1	9.6	18.6	65.2
0.190000	44.8	9.000	Off	L1	9.6	19.2	64.0
0.198000	44.7	9.000	Off	L1	9.6	19.0	63.7
1.030000	42.8	9.000	Off	L1	9.7	13.2	56.0
1.056000	43.6	9.000	Off	L1	9.7	12.4	56.0
1.072000	44.0	9.000	Off	L1	9.7	12.0	56.0
1.082000	43.3	9.000	Off	L1	9.7	12.7	56.0
1.086000	43.3	9.000	Off	L1	9.7	12.7	56.0
1.100000	43.2	9.000	Off	L1	9.7	12.8	56.0
8.998000	27.3	9.000	Off	L1	10.0	32.7	60.0
9.022000	27.5	9.000	Off	L1	10.0	32.5	60.0
9.042000	27.8	9.000	Off	L1	10.0	32.2	60.0
9.120000	28.0	9.000	Off	L1	10.0	32.0	60.0
9.196000	27.9	9.000	Off	L1	10.0	32.1	60.0
9.258000	27.6	9.000	Off	L1	10.0	32.4	60.0

Final Result 2

2017-09-19

오후 2:01:34

EMI Auto Test(15)

2 / 2

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.154000	34.5	9.000	Off	L1	9.6	21.3	55.8
0.162000	31.3	9.000	Off	L1	9.6	24.1	55.4
0.170000	30.5	9.000	Off	L1	9.6	24.5	55.0
0.190000	33.4	9.000	Off	L1	9.6	20.6	54.0
0.196000	33.7	9.000	Off	L1	9.6	20.1	53.8
0.208000	32.0	9.000	Off	L1	9.6	21.3	53.3
1.030000	37.3	9.000	Off	L1	9.7	8.7	46.0
1.048000	38.3	9.000	Off	L1	9.7	7.7	46.0
1.058000	37.8	9.000	Off	L1	9.7	8.2	46.0
1.082000	37.7	9.000	Off	L1	9.7	8.3	46.0
1.086000	37.2	9.000	Off	L1	9.7	8.8	46.0
1.100000	37.2	9.000	Off	L1	9.7	8.8	46.0
8.994000	21.1	9.000	Off	L1	10.0	28.9	50.0
9.022000	21.2	9.000	Off	L1	10.0	28.8	50.0
9.064000	21.6	9.000	Off	L1	10.0	28.4	50.0
9.068000	21.6	9.000	Off	L1	10.0	28.4	50.0
9.174000	21.9	9.000	Off	L1	10.0	28.1	50.0
9.196000	21.8	9.000	Off	L1	10.0	28.2	50.0

2017-09-19

오후 2:01:34

Conducted Emissions (Line 2)

EMI Auto Test(15)

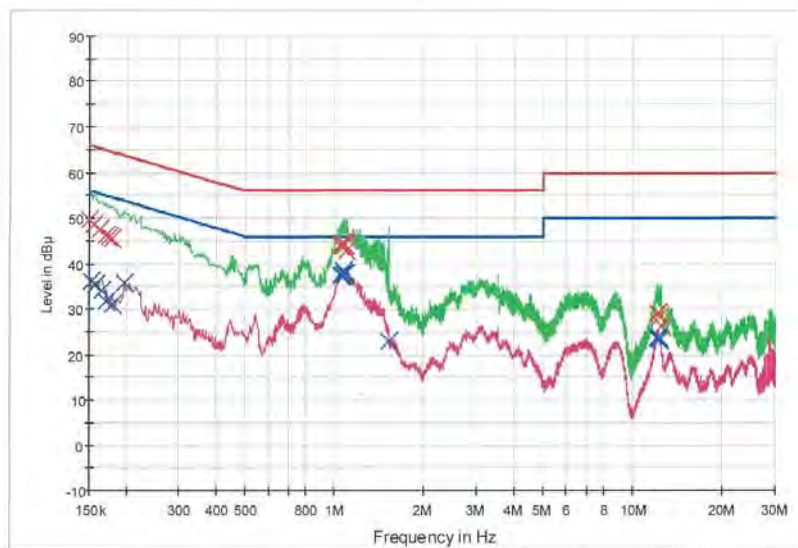
1 / 2

HCT TEST Report

Common Information

EUT: LGSWFAC81
Manufacturer: LG
Test Site: SHIELD ROOM
Operating Conditions: WLAN 5GHz MODE

FCC CLASS B



— FCC CLASS B_QP — FCC CLASS B_AV — Preview Result 1-PK+
— Preview Result 2-AVG — Final Result 1-QPK — Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	49.5	9.000	Off	N	9.6	16.5	66.0
0.156000	48.5	9.000	Off	N	9.6	17.2	65.7
0.162000	47.5	9.000	Off	N	9.6	17.8	65.4
0.170000	46.2	9.000	Off	N	9.6	18.8	65.0
0.174000	45.9	9.000	Off	N	9.6	18.9	64.8
0.178000	45.6	9.000	Off	N	9.6	19.0	64.6
1.050000	44.0	9.000	Off	N	9.7	12.0	56.0
1.054000	44.4	9.000	Off	N	9.7	11.6	56.0
1.066000	43.9	9.000	Off	N	9.7	12.1	56.0
1.070000	44.7	9.000	Off	N	9.7	11.3	56.0
1.080000	44.1	9.000	Off	N	9.7	11.9	56.0
1.100000	43.0	9.000	Off	N	9.7	13.0	56.0
12.044000	29.0	9.000	Off	N	10.1	31.0	60.0
12.096000	29.0	9.000	Off	N	10.1	31.0	60.0
12.106000	29.0	9.000	Off	N	10.1	31.0	60.0
12.182000	29.0	9.000	Off	N	10.1	31.0	60.0
12.296000	28.2	9.000	Off	N	10.1	31.8	60.0
12.444000	26.2	9.000	Off	N	10.2	33.8	60.0

Final Result 2

2017-09-19

오후 1:52:11

EMI Auto Test(15)

2 / 2

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.152000	36.2	9.000	Off	N	9.6	19.7	55.9
0.158000	35.4	9.000	Off	N	9.6	20.2	55.6
0.164000	34.2	9.000	Off	N	9.6	21.0	55.3
0.170000	31.7	9.000	Off	N	9.6	23.3	55.0
0.178000	31.1	9.000	Off	N	9.6	23.5	54.6
0.196000	35.9	9.000	Off	N	9.6	17.8	53.8
1.048000	37.6	9.000	Off	N	9.7	8.4	46.0
1.054000	37.4	9.000	Off	N	9.7	8.6	46.0
1.066000	38.3	9.000	Off	N	9.7	7.7	46.0
1.072000	37.9	9.000	Off	N	9.7	8.1	46.0
1.078000	37.8	9.000	Off	N	9.7	8.2	46.0
1.512000	22.8	9.000	Off	N	9.7	23.2	46.0
12.044000	23.6	9.000	Off	N	10.1	26.4	50.0
12.142000	23.9	9.000	Off	N	10.1	26.1	50.0
12.176000	23.8	9.000	Off	N	10.1	26.2	50.0
12.182000	23.7	9.000	Off	N	10.1	26.3	50.0
12.202000	23.7	9.000	Off	N	10.1	26.3	50.0
12.296000	23.1	9.000	Off	N	10.1	26.9	50.0

2017-09-19

오후 1:52:11

10. LIST OF TEST EQUIPMENT

10.1 LIST OF TEST EQUIPMENT(Conducted Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/23/2016	Annual	100073
Rohde & Schwarz	ESCI / Test Receiver	12/23/2016	Annual	100584
Agilent	N9020A / Signal Analyzer	06/13/2017	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/30/2016	Annual	MY49431210
Agilent	N1911A / Power Meter	04/17/2017	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/17/2017	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/23/2016	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/12/2017	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/30/2017	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/10/2017	Annual	07560
Rohde & Schwarz	EMC32 / Software	-	-	-

10.2 LIST OF TEST EQUIPMENT(Radiated Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Audix	AM4000 / Antenna Position Tower	N/A	N/A	N/A
Audix	Turn Table	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Rohde & Schwarz	Loop Antenna	04/19/2017	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	04/06/2017	Biennial	760
Schwarzbeck	BBHA 9120D / Horn Antenna	08/25/2016	Biennial	9120D-1300
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	04/25/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/06/2017	Annual	100688
Rohde & Schwarz	FSP(9 kHz ~ 40 GHz) / Spectrum Analyzer	07/27/2017	Annual	100843
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	06/12/2017	Annual	8
Wainwright Instruments	WHFX7.0/18G-8SS / High Pass Filter	05/15/2017	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/30/2017	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/24/2017	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/12/2017	Annual	1
Agilent	8493C-10 / Attenuator(10 dB)	07/19/2017	Annual	08285
CERNEX	CBLU1183540 / Power Amplifier	07/11/2017	Annual	22964
CERNEX	CBL06185030 / Power Amplifier	07/11/2017	Annual	22965
CERNEX	CBL18265035 / Power Amplifier	01/23/2017	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/30/2017	Annual	25956