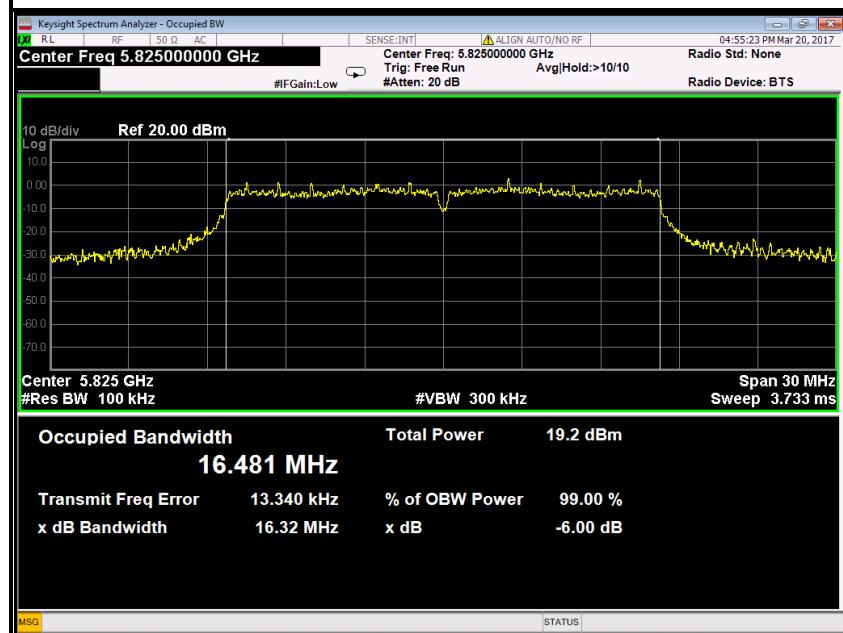
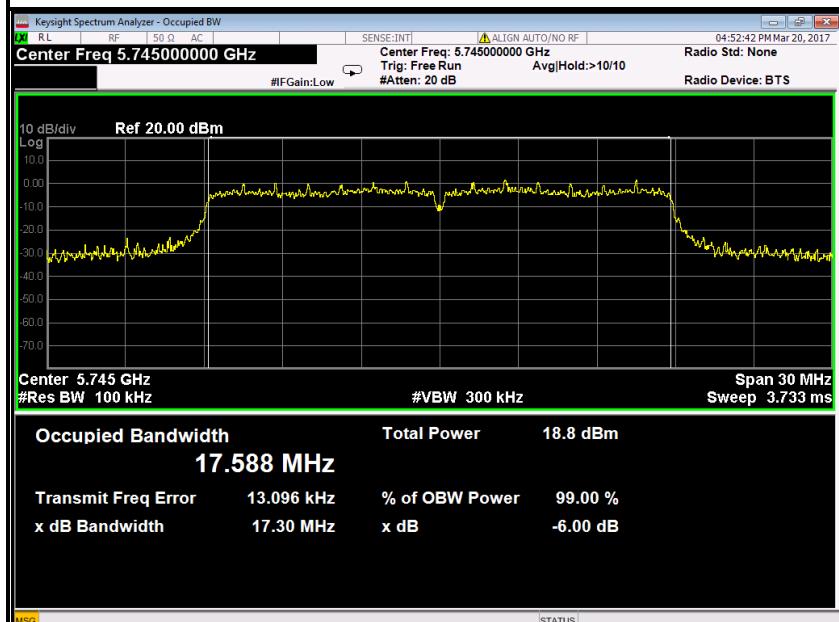
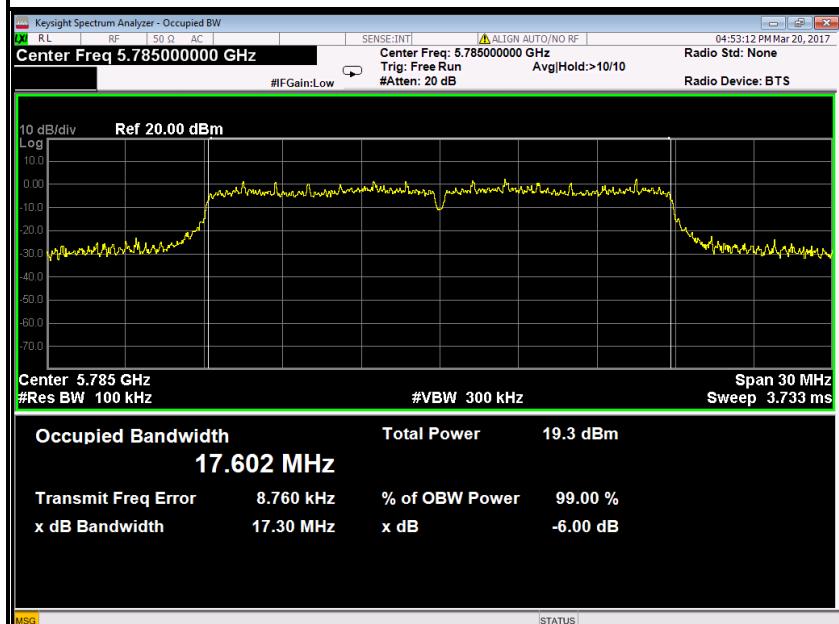
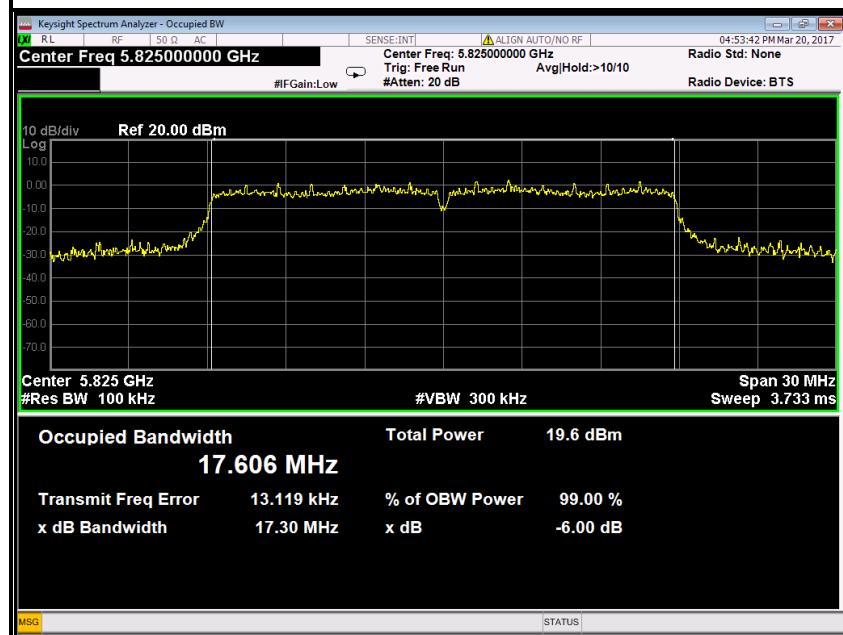
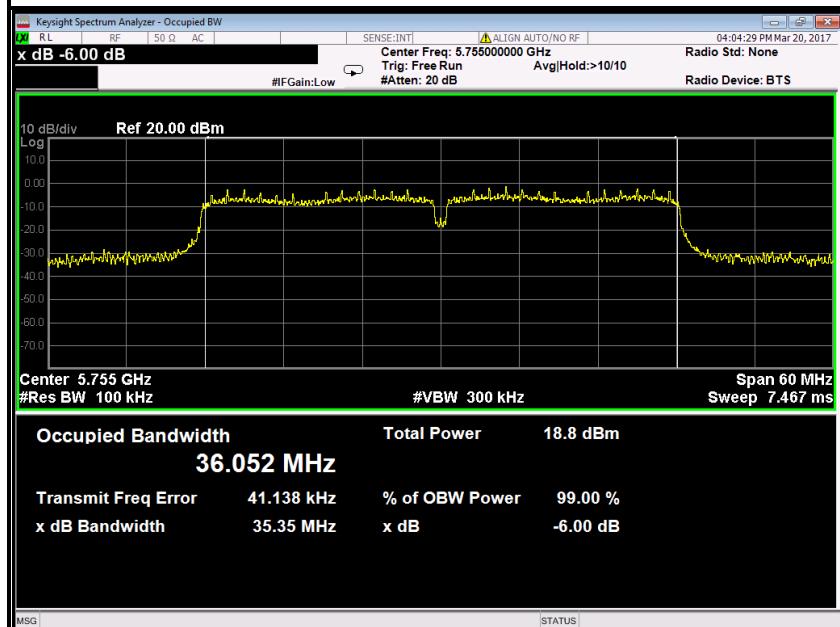
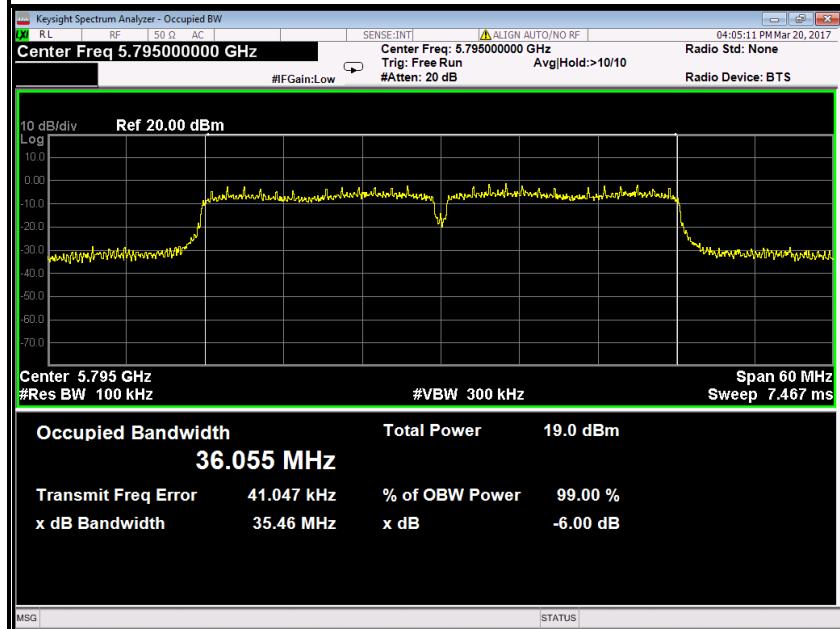
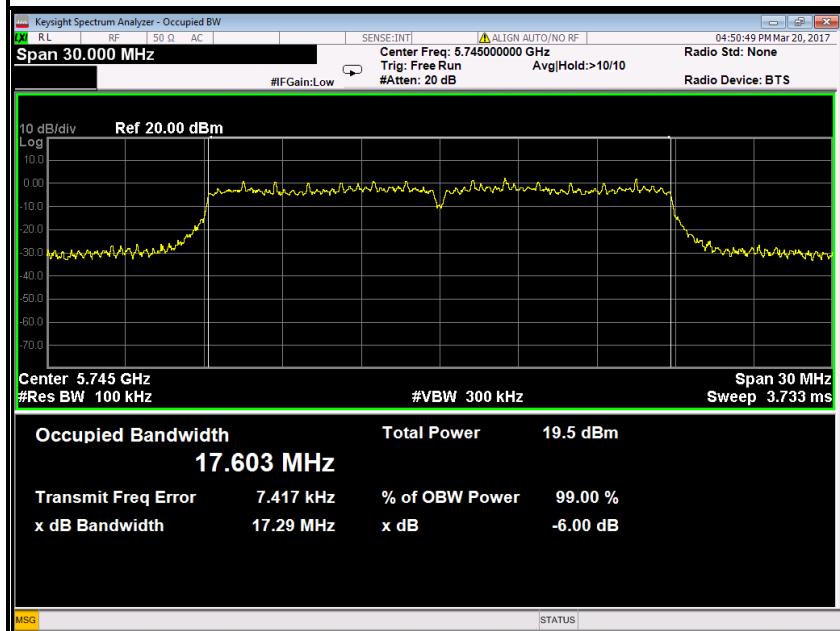
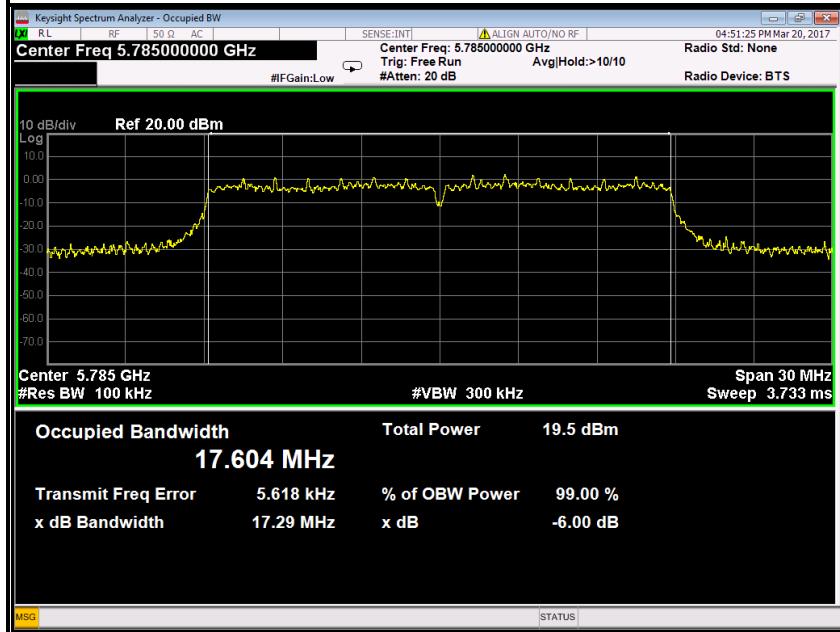


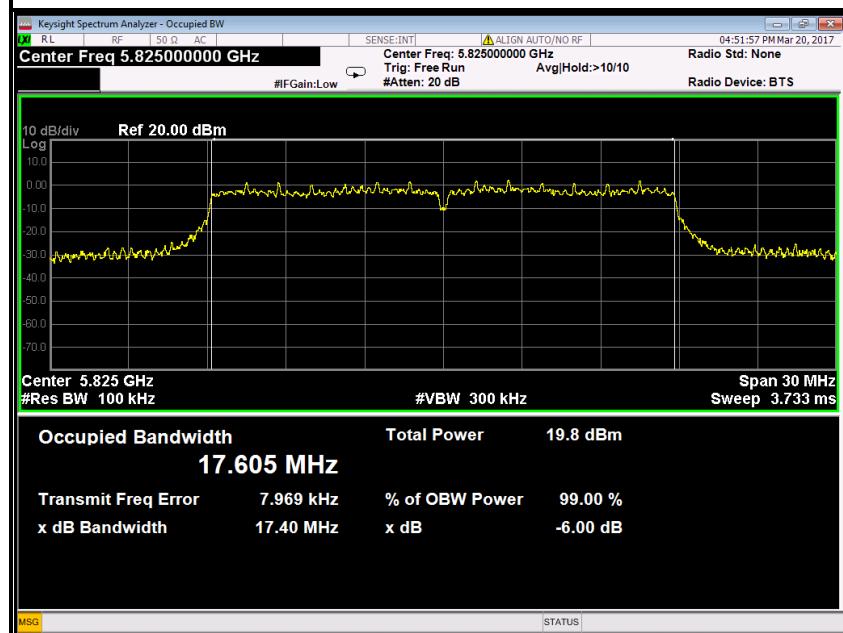
**6dB Bandwidth (CH High)**

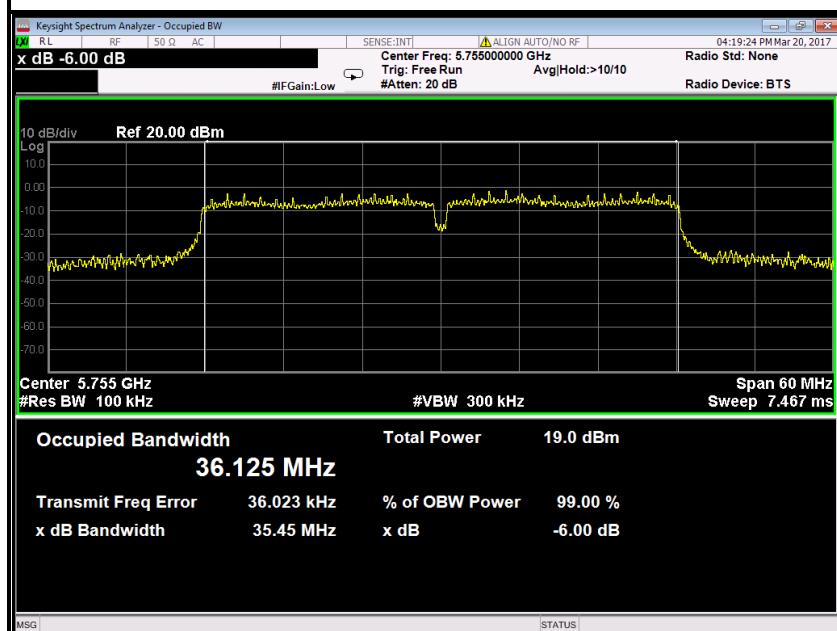
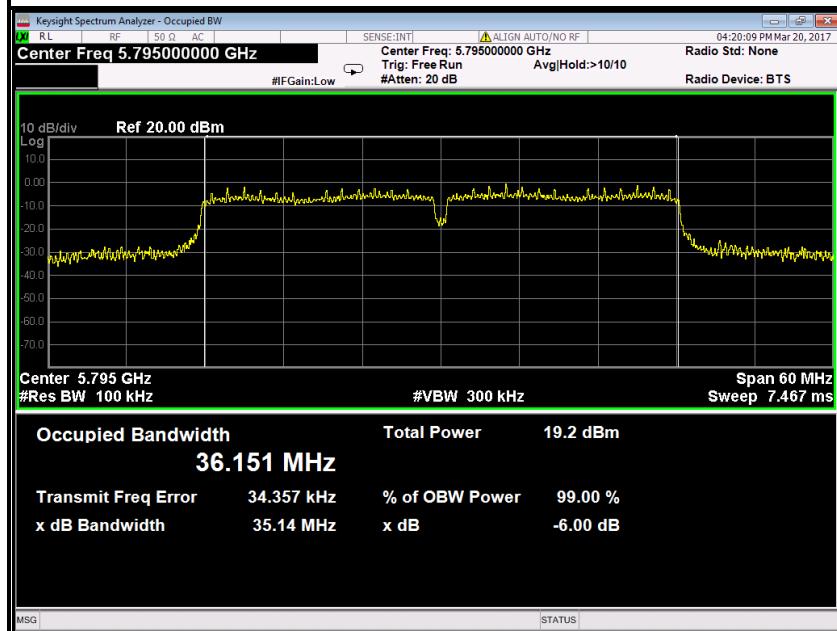
**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

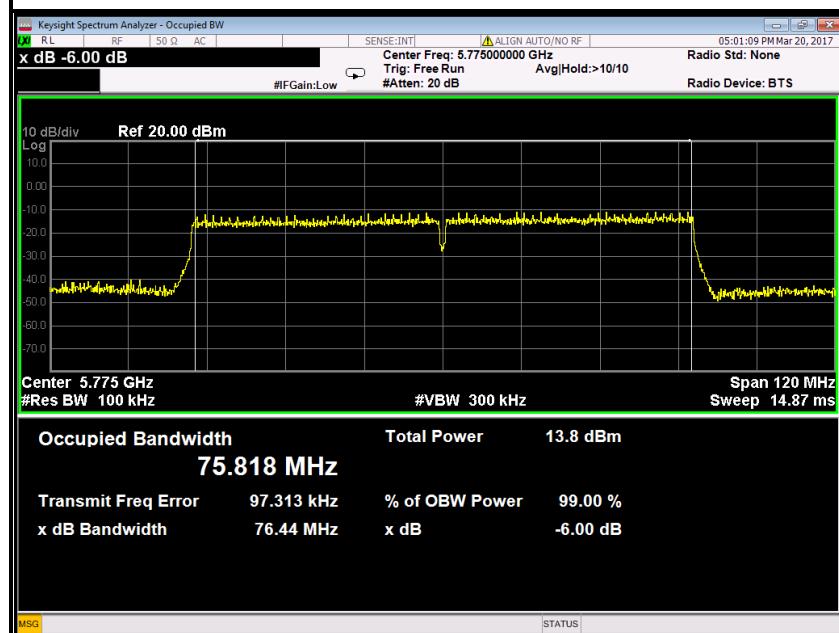
**6dB Bandwidth (CH High)**

**IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH High)**

**IEEE 802.11ac 20 mode / 5745 ~ 5825MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

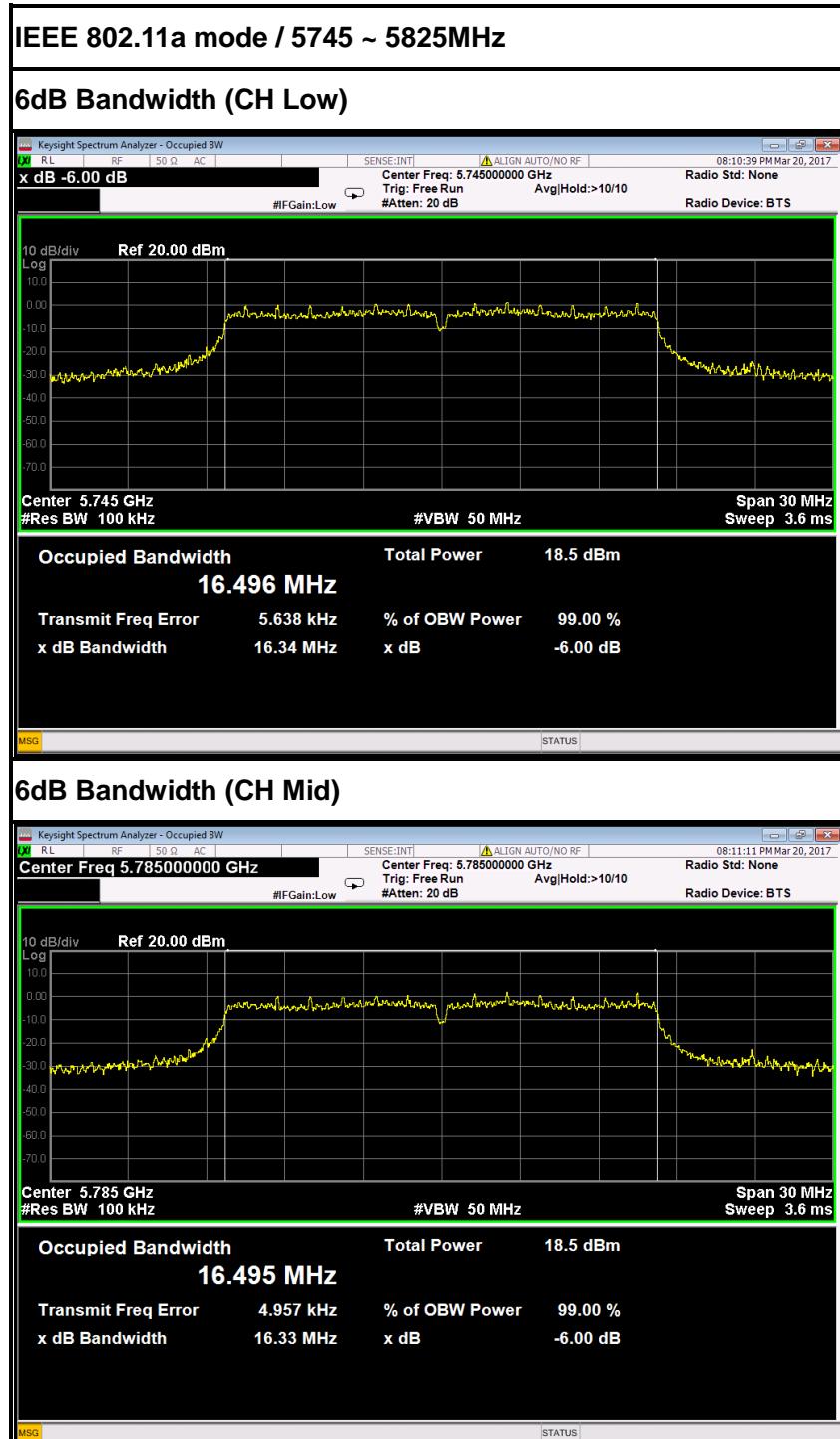
**6dB Bandwidth (CH High)**

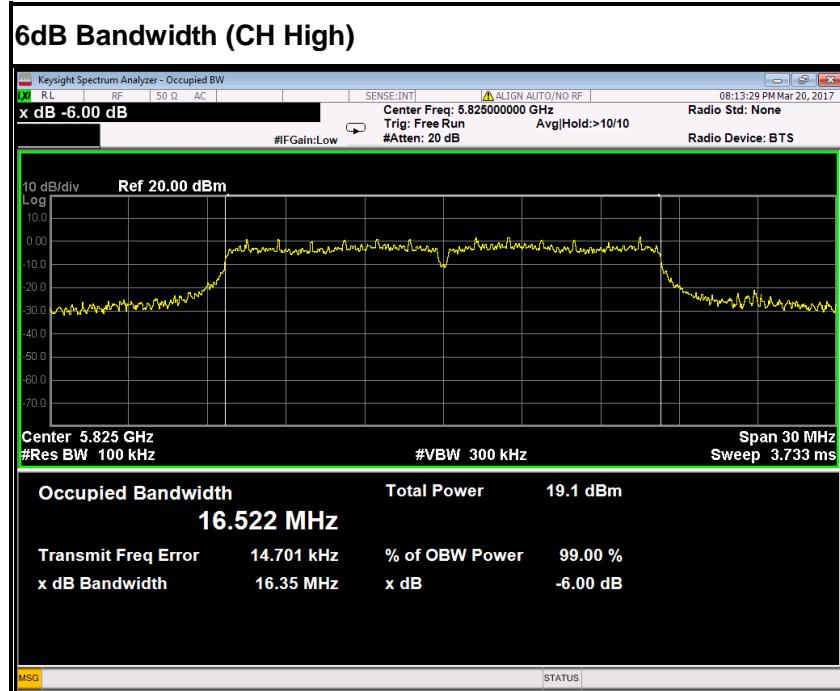
**IEEE 802.11ac 40 mode / 5755 ~ 5795MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH High)**

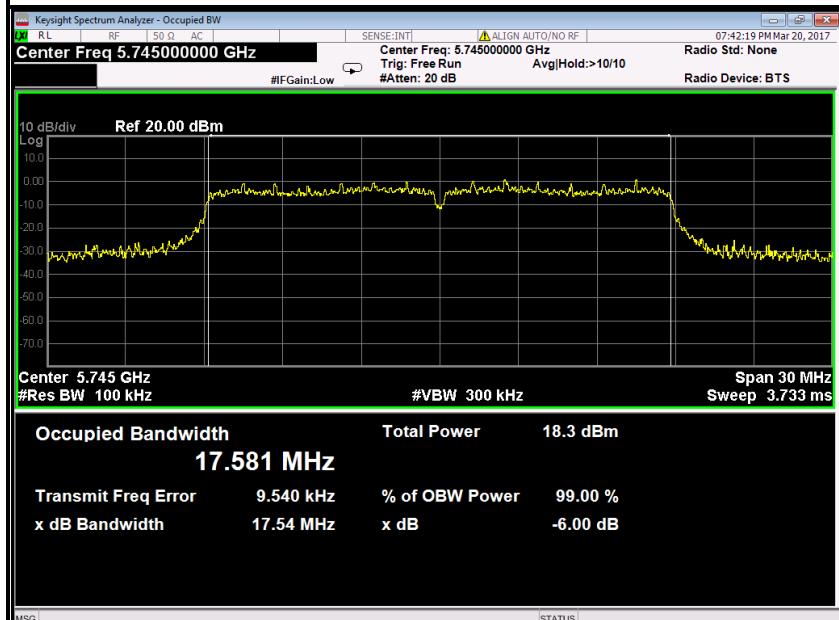
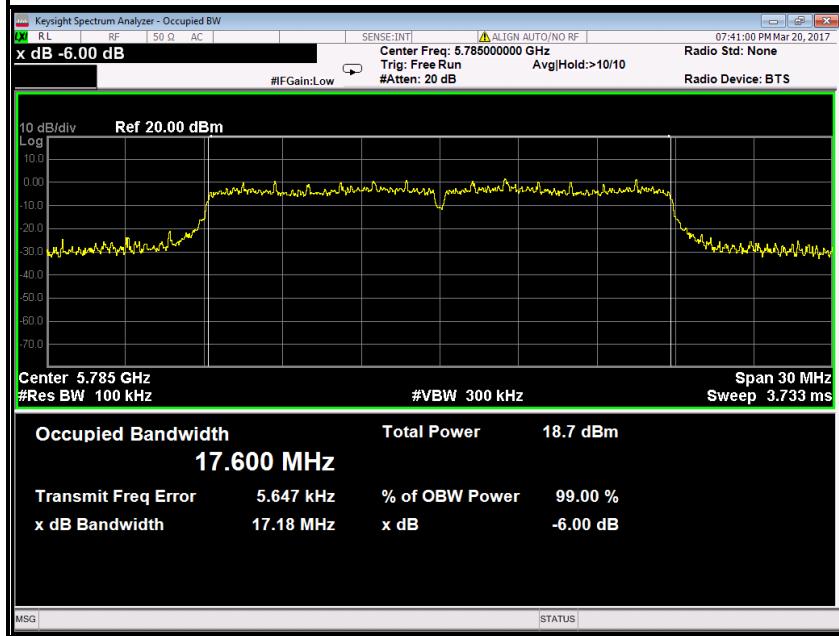
**IEEE 802.11ac 80 mode / 5775MHz****6dB Bandwidth**

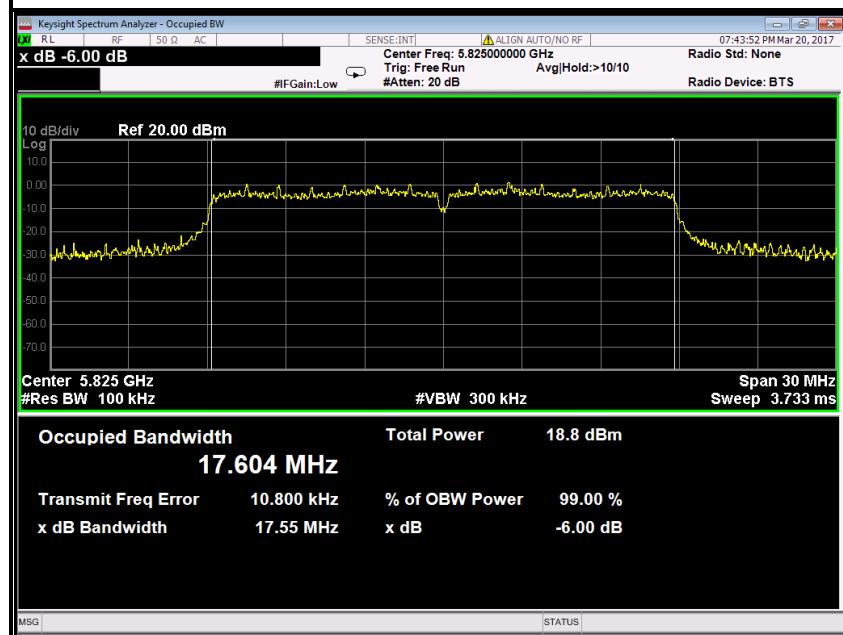


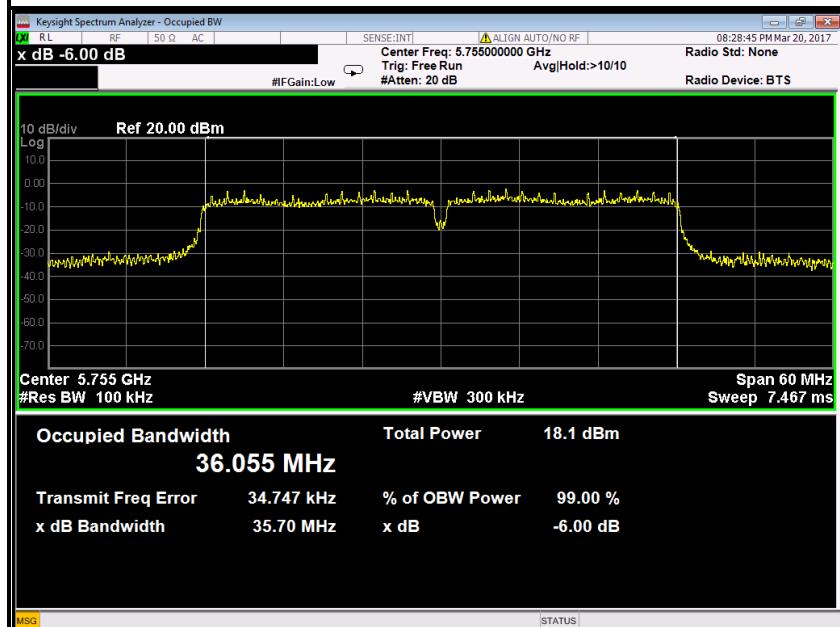
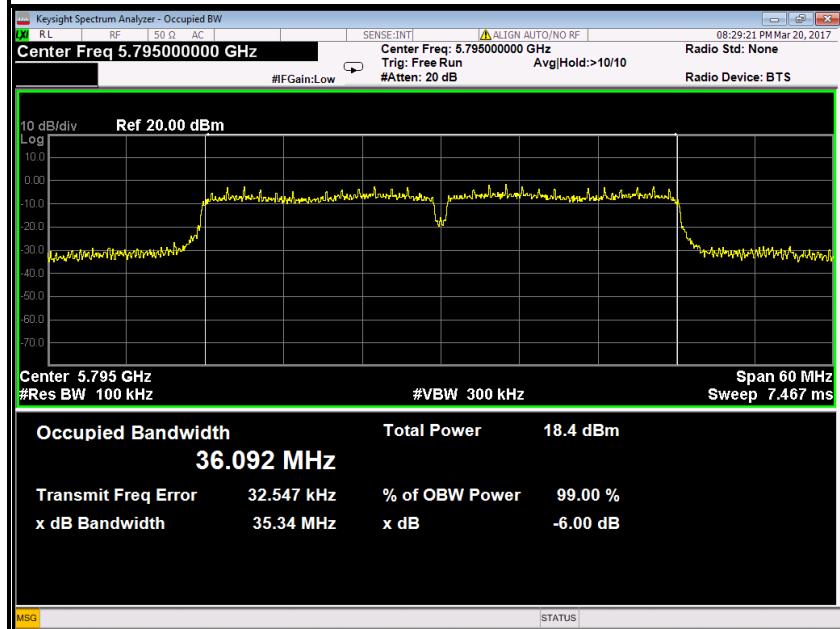
Antenna 2

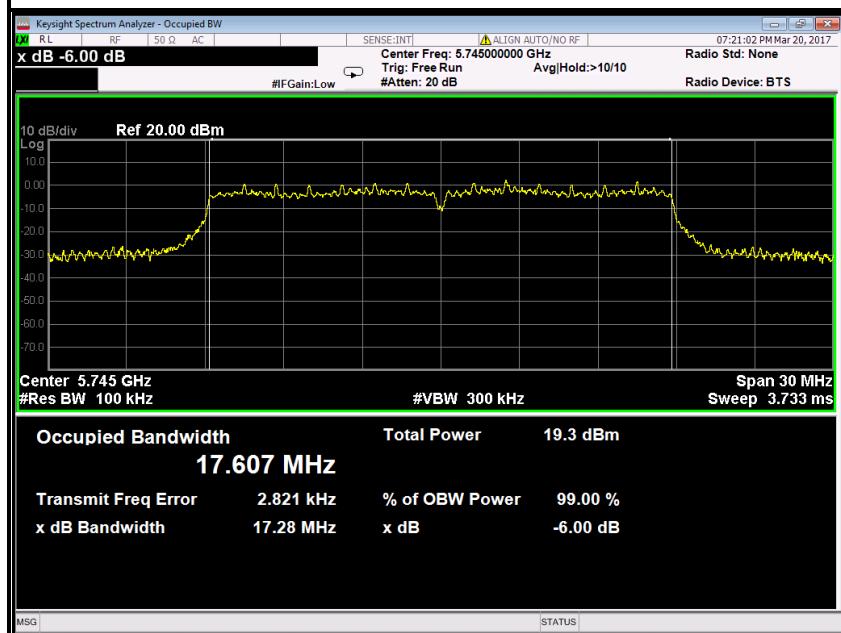
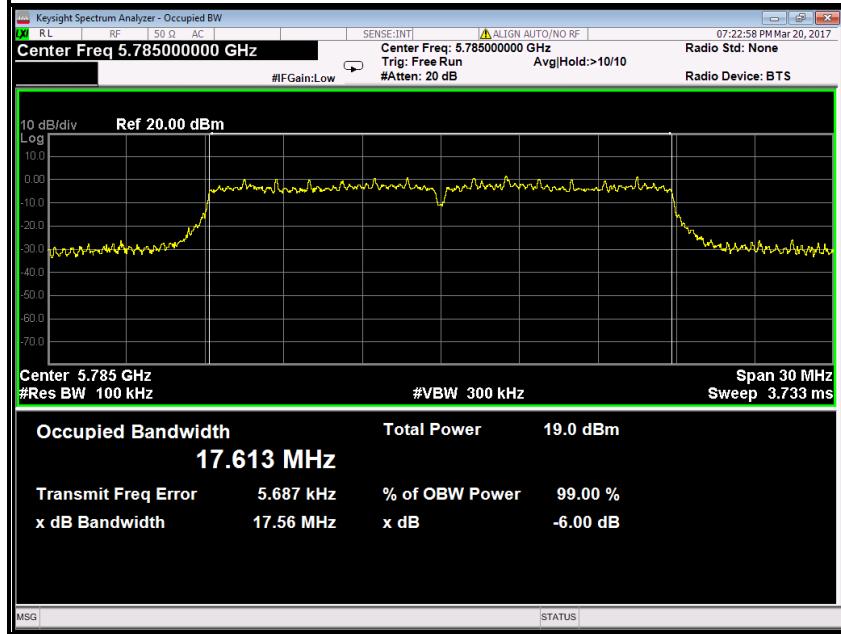


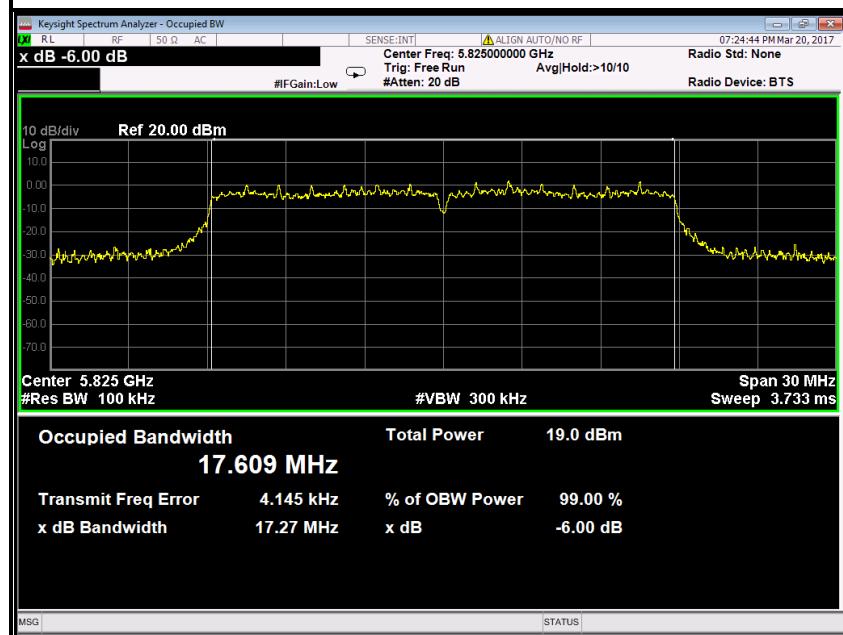


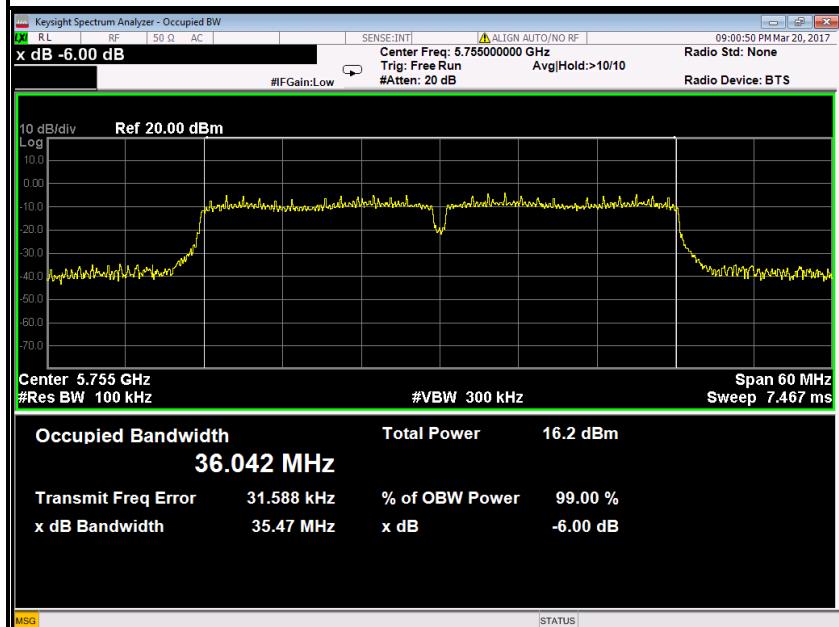
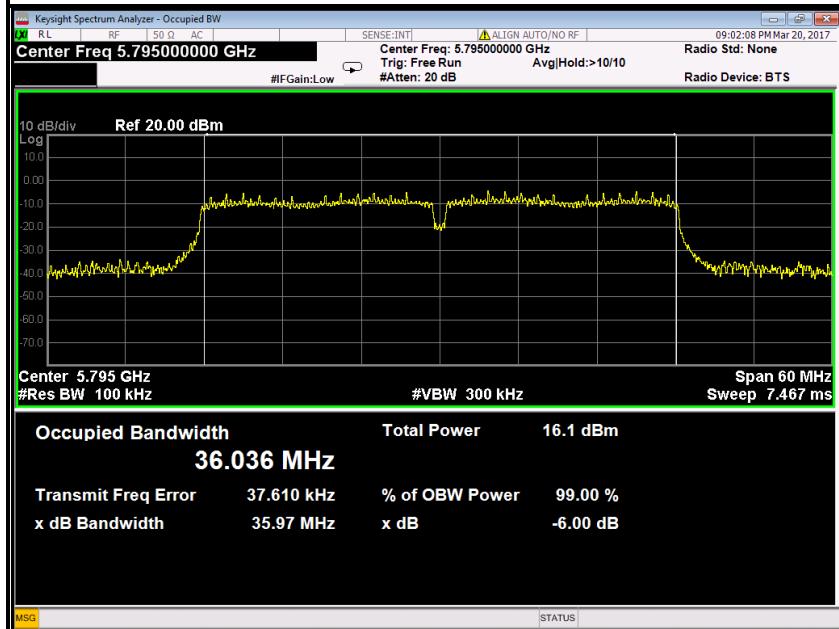
**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

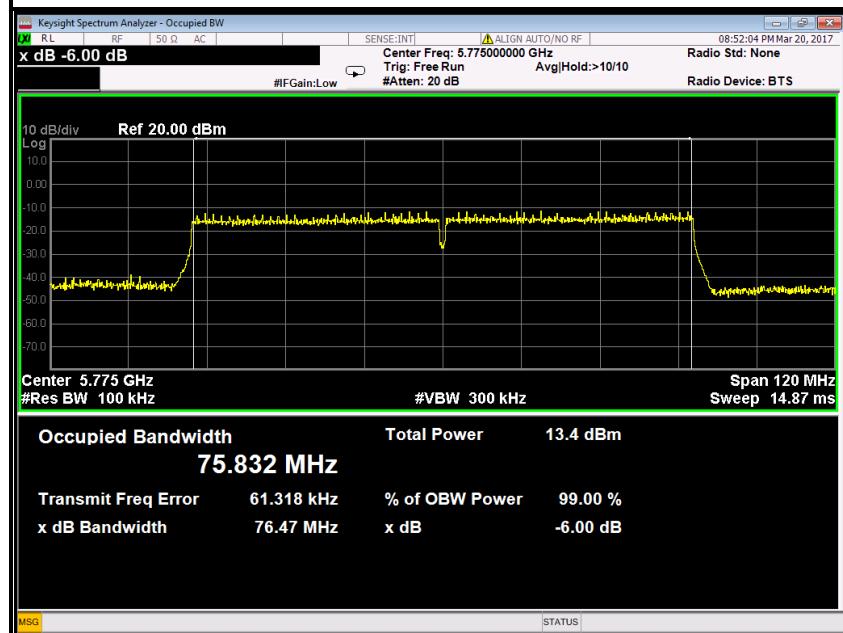
**6dB Bandwidth (CH High)**

**IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH High)**

**IEEE 802.11ac 20 mode / 5745 ~ 5825MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH Mid)**

**6dB Bandwidth (CH High)**

**IEEE 802.11ac 40 mode / 5755 ~ 5795MHz****6dB Bandwidth (CH Low)****6dB Bandwidth (CH High)**

**IEEE 802.11ac 80 mode / 5775MHz****6dB Bandwidth**



6.3 ANTENNA GAIN

MEASUREMENT

The antenna gain of the complete system is calculated by the difference of radiated power in EIRP and the conducted power of the module. For normal WLAN devices, the OFDM mode is used.

MEASUREMENT PARAMETERS

Measurement parameter	
Detector	Peak
Sweep time	Auto
Resolution bandwidth	3 MHz
Video bandwidth	3 MHz
Trace-Mode	Max hold

LIMITS

FCC	IC
Antenna Gain	
6 dBi	



TEST RESULTS

IEEE 802.11a mode (Antenna 1)

T _{nom}	V _{nom}	Lowest channel 5180MHz	Highest channel 5320MHz
Conducted power [dBm] Measured with OFDM modulation		1.44	2.24
Radiated power [dBm] Measured with OFDM modulation		3.86	4.97
Gain [dBi] Calculated		2.42	2.73
Measurement uncertainty	± 1.5 dB (cond.) / ± 3 dB (rad.)		

IEEE 802.11a mode (Antenna 2)

T _{nom}	V _{nom}	Lowest channel 5180MHz	Highest channel 5320MHz
Conducted power [dBm] Measured with OFDM modulation		1.84	2.54
Radiated power [dBm] Measured with OFDM modulation		4.17	4.96
Gain [dBi] Calculated		2.33	2.42
Measurement uncertainty	± 1.5 dB (cond.) / ± 3 dB (rad.)		



6.4 OUTPUT POWER

6.4.1 LIMIT

According to §15.407(a)& FCC R&O FCC 14 - 30,

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Note to paragraph (a)(3): The Commission strongly recommends that parties employing U-NII devices to provide critical communications services should determine if there are any nearby Government radar systems that could affect their operation.

**Specified Limit of the Output Power****Antenna 1****Test mode: IEEE 802.11a mode / 5260 ~ 5320MHz**

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5260	20.95	13.21	24.21	24.00
Mid	5300	24.42	13.88	24.88	24.00
High	5320	22.92	13.60	24.60	24.00

Test mode: IEEE 802.11a mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5500	23.21	13.66	24.66	24.00
Mid	5580	24.41	13.88	24.88	24.00
High	5700	28.91	14.61	25.61	24.00

Test mode: IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5260	26.93	14.30	25.30	24.00
Mid	5300	28.16	14.50	25.50	24.00
High	5320	25.69	14.10	25.10	24.00

Test mode: IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5500	27.73	14.43	25.43	24.00
Mid	5580	27.18	14.34	25.34	24.00
High	5700	27.66	14.42	25.42	24.00

IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5270	40.92	16.12	27.12	24.00
High	5310	40.83	16.11	27.11	24.00

**IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz**

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5510	45.97	16.62	27.62	24.00
Mid	5550	40.79	16.11	27.11	24.00
High	5670	40.67	16.09	27.09	24.00

Test mode: IEEE 802.11ac 20 mode / 5260 ~ 5320MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5260	20.59	13.14	24.14	24.00
Mid	5300	20.05	13.02	24.02	24.00
High	5320	20.19	13.05	24.05	24.00

Test mode: IEEE 802.11ac 20 mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5500	20.36	13.09	24.09	24.00
Mid	5580	20.38	13.09	24.09	24.00
High	5700	20.83	13.19	24.19	24.00

IEEE 802.11ac 40 mode / 5270 ~ 5310MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5270	40.11	16.03	27.03	24.00
High	5310	40.01	16.02	27.02	24.00

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5510	39.84	16.00	27.00	24.00
Mid	5550	39.48	15.96	26.96	24.00
High	5670	42.87	16.32	27.32	24.00

**Test mode: IEEE 802.11ac 80 mode / 5290MHz**

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
	5290	81.66	19.12	30.12	24.00

Test mode: IEEE 802.11ac 80 mode / 5530MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
	5530	81.75	19.12	30.12	24.00

Antenna 2**Test mode: IEEE 802.11a mode / 5260 ~ 5320MHz**

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5260	20.43	13.10	24.10	24.00
Mid	5300	26.74	14.27	25.27	24.00
High	5320	24.29	13.85	24.85	24.00

Test mode: IEEE 802.11a mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5500	20.19	13.05	24.05	24.00
Mid	5580	22.22	13.47	24.47	24.00
High	5700	25.72	14.10	25.10	24.00

Test mode: IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5260	24.53	13.90	24.90	24.00
Mid	5300	26.97	14.31	25.31	24.00
High	5320	25.75	14.11	25.11	24.00

**Test mode: IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz**

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5500	28.55	14.56	25.56	24.00
Mid	5580	28.54	14.55	25.55	24.00
High	5700	28.50	14.55	25.55	24.00

IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5270	40.52	16.08	27.08	24.00
High	5310	40.64	16.09	27.09	24.00

IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5510	40.58	16.08	27.08	24.00
Mid	5550	40.65	16.09	27.09	24.00
High	5670	41.33	16.16	27.16	24.00

Test mode: IEEE 802.11ac 20 mode / 5260 ~ 5320MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5260	20.62	13.14	24.14	24.00
Mid	5300	21.22	13.27	24.27	24.00
High	5320	20.28	13.07	24.07	24.00

Test mode: IEEE 802.11ac 20 mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5500	20.47	13.11	24.11	24.00
Mid	5580	20.78	13.18	24.18	24.00
High	5700	20.83	13.19	24.19	24.00

**IEEE 802.11ac 40 mode / 5270 ~ 5310MHz**

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5270	39.97	16.02	27.02	24.00
High	5310	40.28	16.05	27.05	24.00

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
Low	5510	40.36	16.06	27.06	24.00
Mid	5550	40.93	16.12	27.12	24.00
High	5670	45.25	16.56	27.56	24.00

Test mode: IEEE 802.11ac 80 mode / 5290MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
	5290	81.75	19.12	30.12	24.00

Test mode: IEEE 802.11ac 80 mode / 5530MHz

Channel	Frequency (MHz)	26 dB Bandwidth (B) (MHz)	10*Log(B) (dB)	11 + 10*Log(B) (dBm)	Maximum Conducted Output Power Limit (dBm)
	5530	81.75	19.12	30.12	24.00



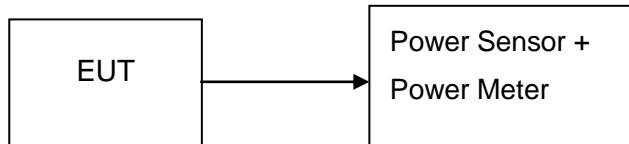
6.4.2 MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Calibration Due
Power Meter	Anritsu	ML2495A	1204003	02/21/2017	02/20/2018
Power Sensor	Anritsu	MA2411B	1126150	02/21/2017	02/20/2018

Remark: Each piece of equipment is scheduled for calibration once a year.

6.4.3 TEST CONFIGURATIONS

The EUT was connected to a spectrum analyzer through a 50Ω RF cable.



6.4.4 TEST PROCEDURE

The EUT was connected to a Power Meter through a 50Ω RF cable..

6.4.5 TEST RESULTS

No non-compliance noted



6.4.6 TEST DATA

IEEE 802.11a mode / 5180 ~ 5240MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5180	13.70	14.10	0.02344	0.02570	24.00	PASS
Mid	5200	13.90	13.90	0.02455	0.02455		PASS
High	5240	13.80	13.90	0.02399	0.02455		PASS

IEEE 802.11a mode / 5260~ 5320MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5260	14.20	14.20	0.02630	0.02630	24.00	PASS
Mid	5300	14.20	14.70	0.02630	0.02951		PASS
High	5320	14.50	14.80	0.02818	0.03020		PASS

IEEE 802.11a mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5500	14.80	14.90	0.03020	0.03090	24.00	PASS
Mid	5580	14.70	14.50	0.02951	0.02818		PASS
High	5700	14.80	14.50	0.03020	0.02818		PASS

IEEE 802.11a mode / 5745 ~ 5825MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5745	15.10	15.00	0.03236	0.03162	30.00	PASS
Mid	5785	15.50	15.10	0.03548	0.03236		PASS
High	5825	15.30	14.80	0.03388	0.03020		PASS



IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5180	13.60	13.70	0.02291	0.02344	24.00	PASS
Mid	5200	13.60	14.00	0.02291	0.02512		PASS
High	5240	13.90	14.10	0.02455	0.02570		PASS

IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5260	14.30	14.20	0.02692	0.02630	24.00	PASS
Mid	5300	14.60	14.30	0.02884	0.02692		PASS
High	5320	14.60	14.70	0.02884	0.02951		PASS

IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5500	14.90	15.00	0.03090	0.03162	24.00	PASS
Mid	5580	14.50	14.30	0.02818	0.02692		PASS
High	5700	14.80	14.10	0.03020	0.02570		PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5745	15.00	14.50	0.03162	0.02818	30.00	PASS
Mid	5785	15.10	14.70	0.03236	0.02951		PASS
High	5825	15.60	14.90	0.03631	0.03090		PASS



IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5190	9.70	7.80	0.00933	0.00603	24.00	PASS
High	5230	10.00	8.00	0.01000	0.00631		PASS

IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5270	11.40	10.10	0.01380	0.01023	24.00	PASS
High	5310	11.30	10.50	0.01349	0.01122		PASS

IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5510	12.80	12.60	0.01905	0.01820	24.00	PASS
Mid	5550	12.90	12.40	0.01950	0.01738		PASS
High	5670	12.70	12.40	0.01862	0.01738		PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5755	15.50	15.00	0.03548	0.03162	30.00	PASS
High	5795	15.50	14.90	0.03548	0.03090		PASS



IEEE 802.11ac 20 mode / 5180 ~ 5240MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5180	13.50	13.90	0.02239	0.02455	24.00	PASS
Mid	5200	13.60	13.80	0.02291	0.02399		PASS
High	5240	14.00	13.90	0.02512	0.02455		PASS

IEEE 802.11ac 20 mode / 5260~ 5320MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5260	14.00	14.00	0.02512	0.02512	24.00	PASS
Mid	5300	14.50	14.40	0.02818	0.02754		PASS
High	5320	14.40	14.80	0.02754	0.03020		PASS

IEEE 802.11ac 20 mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5500	14.90	14.50	0.03090	0.02818	24.00	PASS
Mid	5580	14.40	14.10	0.02754	0.02570		PASS
High	5700	14.60	13.90	0.02884	0.02455		PASS

IEEE 802.11ac 20 mode / 5745 ~ 5825MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5745	15.00	14.60	0.03162	0.02884	30.00	PASS
Mid	5785	15.30	14.60	0.03388	0.02884		PASS
High	5825	15.40	14.80	0.03467	0.03020		PASS



IEEE 802.11ac 40 mode / 5190 ~ 5230MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5190	9.70	7.90	0.00933	0.00617	24.00	PASS
High	5230	9.70	7.80	0.00933	0.00603		PASS

IEEE 802.11ac 40 mode / 5270 ~ 5310MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5270	11.00	9.90	0.01259	0.00977	24.00	PASS
High	5310	10.80	10.10	0.01202	0.01023		PASS

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5510	12.70	12.50	0.01862	0.01778	24.00	PASS
Mid	5550	12.70	12.10	0.01862	0.01622		PASS
High	5670	12.80	12.30	0.01905	0.01698		PASS

IEEE 802.11ac 40 mode / 5755 ~ 5795MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
Low	5755	15.40	12.40	0.03467	0.01738	30.00	PASS
High	5795	15.40	14.70	0.03467	0.02951		PASS



IEEE 802.11ac 80 mode / 5210MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
	5210	6.30	5.60	0.00427	0.00363	24.00	PASS

IEEE 802.11ac 80 mode / 5290MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
	5290	7.00	7.10	0.00501	0.00513	24.00	PASS

IEEE 802.11ac 80 mode / 5530MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
	5530	10.60	10.20	0.01148	0.01047	24.00	PASS

IEEE 802.11ac 80 mode / 5775MHz

Channel	Frequency (MHz)	Output Power (dBm)		Output Power (W)		Limit (dBm)	Result
		Antenna 1	Antenna 2	Antenna 1	Antenna 2		
	5775	11.10	10.40	0.01288	0.01096	30.00	PASS



6.5 BAND EDGES MEASUREMENT

6.5.1 LIMIT

According to §15.407(b)

- (1) The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.
- (2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

6.5.2 MEASUREMENT EQUIPMENT USED

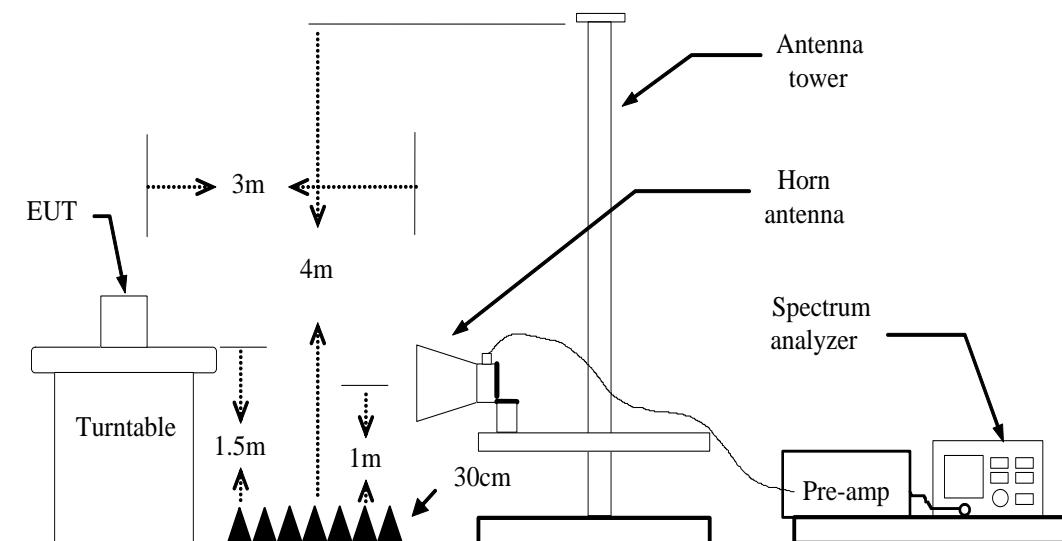
Radiated Emission Test Site 966 (2)					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/21/2017	02/20/2018
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2017	02/20/2018
Amplifier	EMEC	EM330	060661	03/18/2017	03/17/2018
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2017	02/20/2018
Loop Antenna	COM-POWER	AL-130	121044	09/25/2016	09/24/2017
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2017	02/20/2018
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/28/2017	02/27/2018
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2017	02/27/2018
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2017	02/20/2018
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The FCC Site Registration number is 101879.

3. N.C.R = No Calibration Required.

6.5.3 TEST CONFIGURATION



6.5.4 TEST PROCEDURE

1. The EUT is placed on a turntable, which is 1.5m above the ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1 / VBW=3MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=10Hz / 1.5kHz / 2.7kHz / 5.1kHz / Sweep=AUTO / Detector=Peak
5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.



6.5.5 TEST RESULT

Antenna 1

IEEE 802.11a mode / 5500 ~ 5700MHz

1. Operating Frequency: 5500-5700MHz
2. CH Low: 5500MHz, CH High: 5700MHz
3. 26dB bandwidth: CH Low: 23.21MHz, CH High: 28.91MHz
4. Frequency Range: 5488.395MHz, 5714.455MHz

IEEE 802.11a mode / 5745 ~ 5825MHz

1. Operating Frequency: 5745-5825MHz
2. CH Low: 5745MHz, CH High: 5825MHz
3. 26dB bandwidth: CH Low: 25.66MHz, CH High: 27.43MHz
4. Frequency Range: 5732.170MHz, 5837.215MHz

IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

1. Operating Frequency: 5500-5700MHz
2. CH Low: 5500MHz, CH High: 5700MHz
3. 26dB bandwidth: CH Low: 27.73MHz, CH High: 27.66MHz
4. Frequency Range: 5486.135MHz, 5713.830MHz

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

1. Operating Frequency: 5745-5825MHz
2. CH Low: 5745MHz, CH High: 5825MHz
3. 26dB bandwidth: CH Low: 27.13MHz, CH High: 29.46MHz
4. Frequency Range: 5731.435MHz, 5839.730MHz

IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

1. Operating Frequency: 5510-5670MHz
2. CH Low: 5510MHz, CH High: 5670MHz
3. 26dB bandwidth: CH Low: 45.97MHz, CH High: 40.67MHz
4. Frequency Range: 5487.015MHz, 5690.335MHz

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

1. Operating Frequency: 5755-5795MHz
2. CH Low: 5755MHz, CH High: 5795MHz
3. 26dB bandwidth: CH Low: 40.67MHz, CH High: 59.25MHz
4. Frequency Range: 5734.665MHz, 5824.625MHz

**IEEE 802.11ac 20 mode / 5500 ~ 5700MHz**

1. Operating Frequency: 5500-5700MHz
2. CH Low: 5500MHz, CH High: 5700MHz
3. 26dB bandwidth: CH Low: 20.36MHz, CH High: 20.83MHz
4. Frequency Range: 5489.820MHz, 5710.415MHz

IEEE 802.11ac 20 mode / 5745 ~ 5825MHz

1. Operating Frequency: 5745-5825MHz
2. CH Low: 5745MHz, CH High: 5825MHz
3. 26dB bandwidth: CH Low: 20.58MHz, CH High: 25.13MHz
4. Frequency Range: 5734.710MHz, 5837.565MHz

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz

1. Operating Frequency: 5510-5670MHz
2. CH Low: 5510MHz, CH High: 5670MHz
3. 26dB bandwidth: CH Low: 39.84MHz, CH High: 42.87MHz
4. Frequency Range: 5490.08MHz, 5691.435MHz

IEEE 802.11ac 40 mode / 5755 ~ 5795MHz

1. Operating Frequency: 5755-5795MHz
2. CH Low: 5755MHz, CH High: 5795MHz
3. 26dB bandwidth: CH Low: 57.78MHz, CH High: 56.83MHz
4. Frequency Range: 5726.110MHz, 5823.415MHz

Test mode: IEEE 802.11ac 80 mode / 5530MHz

1. Operating Frequency: 5530MHz
2. CH: 5530MHz
3. 26dB bandwidth: CH: 81.75MHz
4. Frequency Range: 5489.125MHz, 5570.875MHz

Test mode: IEEE 802.11ac 80 mode / 5775MHz

1. Operating Frequency: 5775MHz
2. CH: 5775MHz
3. 26dB bandwidth: CH: 82.45MHz
4. Frequency Range: 5733.775MHz, 5816.225MHz

**Antenna 2****IEEE 802.11a mode / 5500 ~ 5700MHz**

1. Operating Frequency: 5500-5700MHz
2. CH Low: 5500MHz, CH High: 5700MHz
3. 26dB bandwidth: CH Low: 20.19MHz, CH High: 25.72MHz
4. Frequency Range: 5489.905MHz, 5712.860MHz

IEEE 802.11a mode / 5745 ~ 5825MHz

1. Operating Frequency: 5745-5825MHz
2. CH Low: 5745MHz, CH High: 5825MHz
3. 26dB bandwidth: CH Low: 25.62MHz, CH High: 27.09MHz
4. Frequency Range: 5732.190MHz, 5838.545MHz

IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

1. Operating Frequency: 5500-5700MHz
2. CH Low: 5500MHz, CH High: 5700MHz
3. 26dB bandwidth: CH Low: 28.55MHz, CH High: 28.50MHz
4. Frequency Range: 5485.725MHz, 5714.250MHz

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

1. Operating Frequency: 5745-5825MHz
2. CH Low: 5745MHz, CH High: 5825MHz
3. 26dB bandwidth: CH Low: 28.04MHz, CH High: 29.43MHz
4. Frequency Range: 5730.980MHz, 5839.715MHz

IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

1. Operating Frequency: 5510-5670MHz
2. CH Low: 5510MHz, CH High: 5670MHz
3. 26dB bandwidth: CH Low: 40.58MHz, CH High: 41.33 MHz
4. Frequency Range: 5489.710MHz, 5690.665MHz

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

1. Operating Frequency: 5755-5795MHz
2. CH Low: 5755MHz, CH High: 5795MHz
3. 26dB bandwidth: CH Low: 59.25MHz, CH High: 59.52MHz
4. Frequency Range: 5725.375MHz, 5824.760MHz

**IEEE 802.11ac 20 mode / 5500 ~ 5700MHz**

1. Operating Frequency: 5500-5700MHz
2. CH Low: 5500MHz, CH High: 5700MHz
3. 26dB bandwidth: CH Low: 20.47MHz, CH High: 20.83MHz
4. Frequency Range: 5489.765MHz, 5710.415MHz

IEEE 802.11ac 20 mode / 5745 ~ 5825MHz

1. Operating Frequency: 5745-5825MHz
2. CH Low: 5745MHz, CH High: 5825MHz
3. 26dB bandwidth: CH Low: 21.62MHz, CH High: 20.99MHz
4. Frequency Range: 5734.195MHz, 5835.495MHz

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz

1. Operating Frequency: 5510-5670MHz
2. CH Low: 5510MHz, CH High: 5670MHz
3. 26dB bandwidth: CH Low: 40.36MHz, CH High: 45.25MHz
4. Frequency Range: 5489.820MHz, 5692.625MHz

IEEE 802.11ac 40 mode / 5755 ~ 5795MHz

1. Operating Frequency: 5755-5795MHz
2. CH Low: 5755MHz, CH High: 5795MHz
3. 26dB bandwidth: CH Low: 47.26MHz, CH High: 46.96MHz
4. Frequency Range: 5731.370MHz, 5818.480MHz

Test mode: IEEE 802.11ac 80 mode / 5530MHz

1. Operating Frequency: 5530MHz
2. CH: 5530MHz
3. 26dB bandwidth: CH: 81.75MHz
4. Frequency Range: 5489.125MHz, 5570.875MHz

Test mode: IEEE 802.11ac 80 mode / 5775MHz

1. Operating Frequency: 5775MHz
2. CH: 5775MHz
3. 26dB bandwidth: CH: 85.03MHz
4. Frequency Range: 5732.485MHz, 5817.515MHz

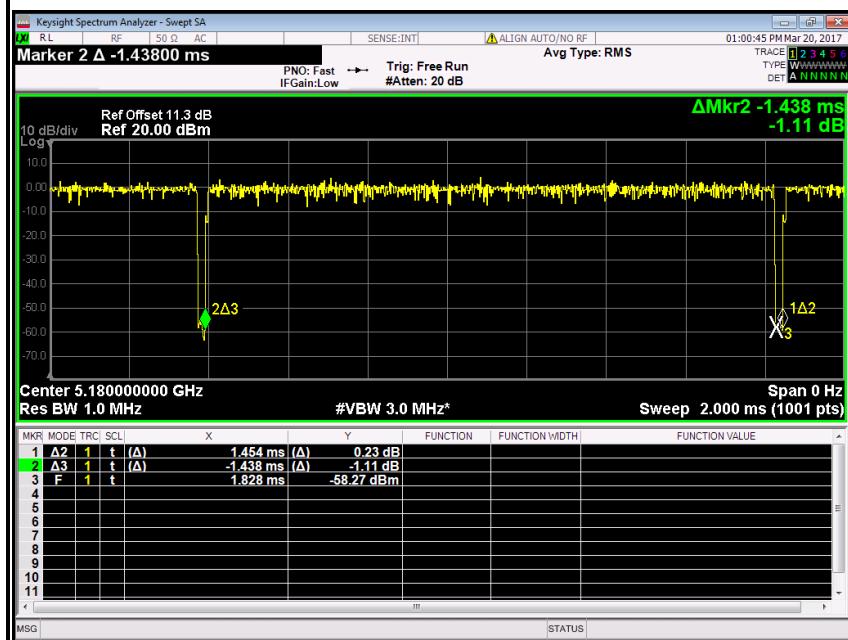
Because the mentioned conditions the Fundamental Frequency Range was far away from the Restricted bands in the table published in 15.205, the test is not applicable.



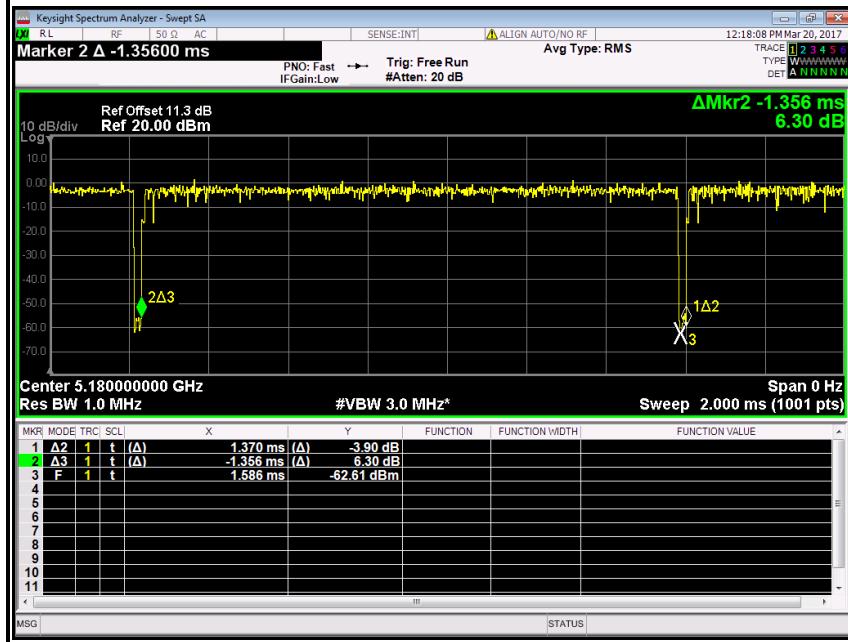
Duty Cycle Test Plot

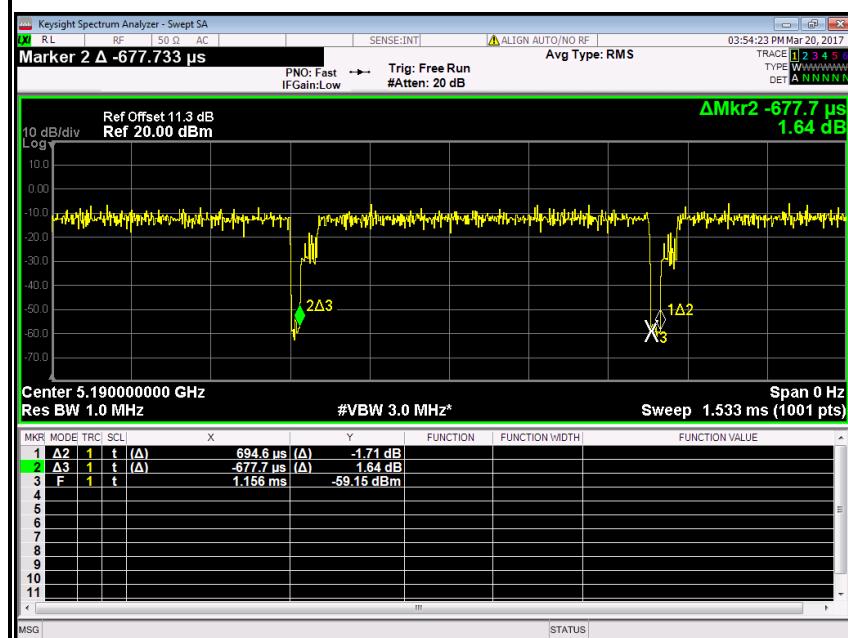
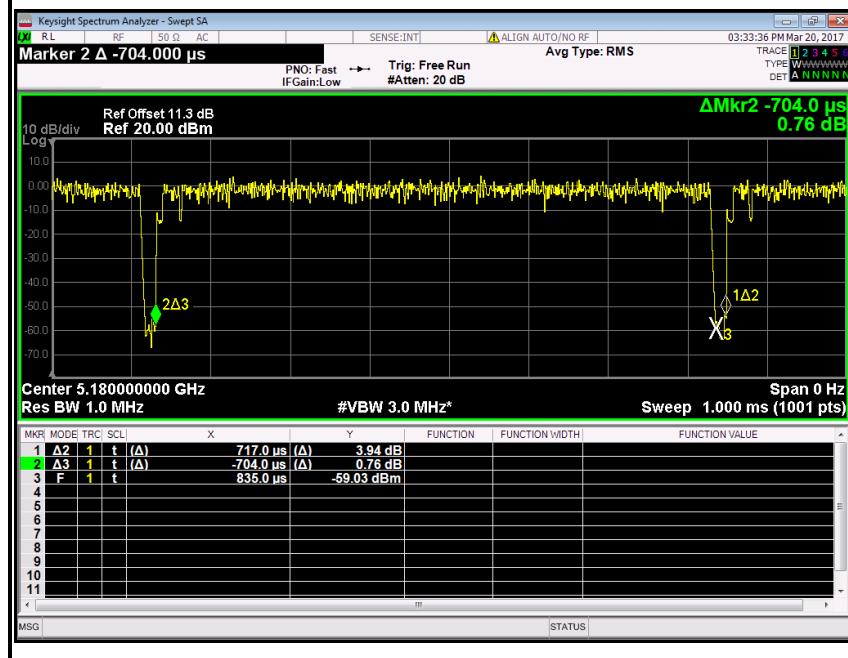
Antenna 1

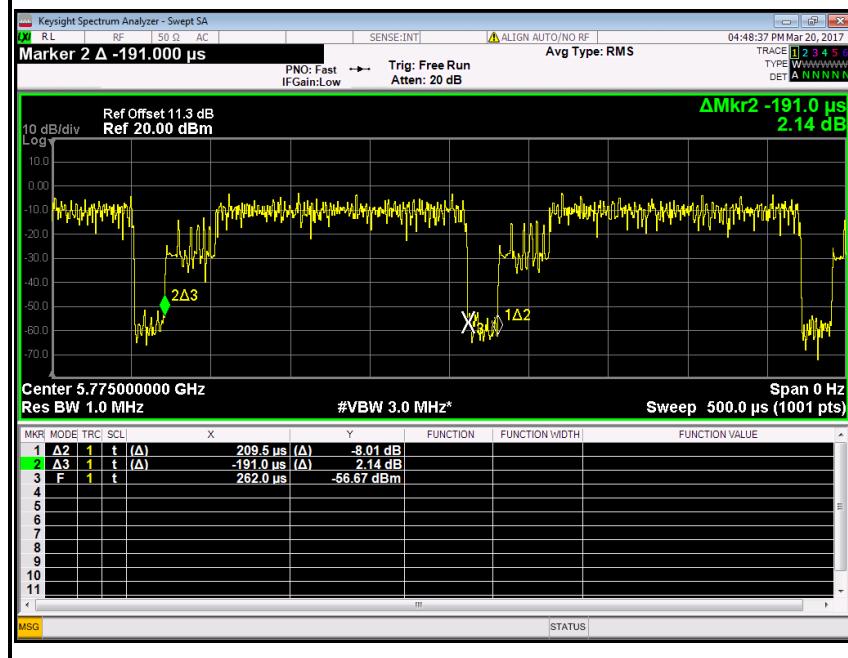
IEEE 802.11a mode

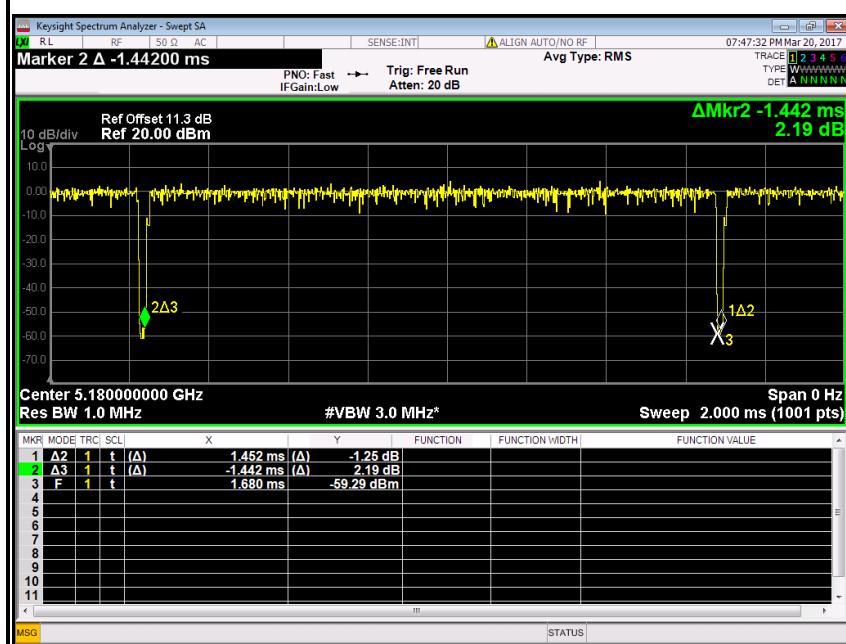
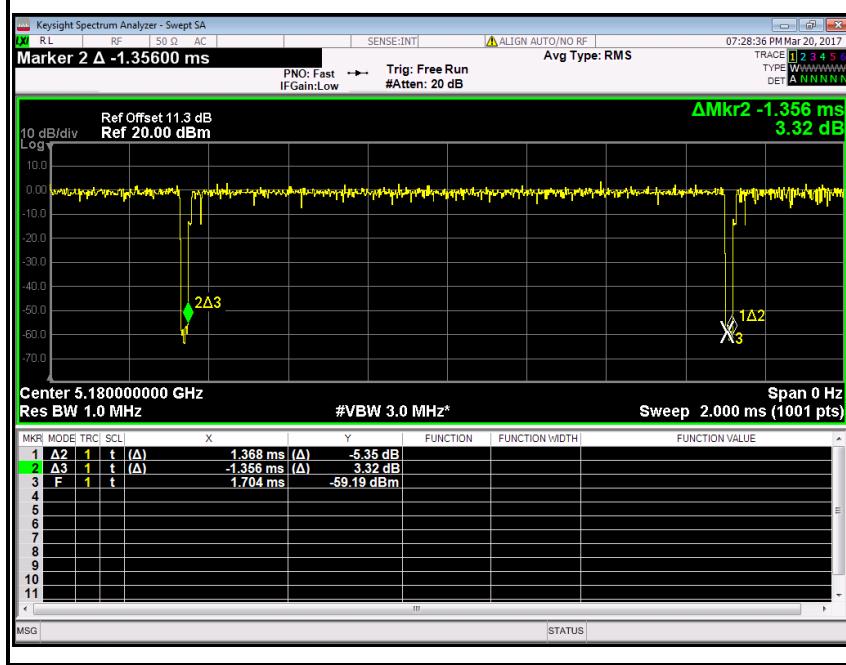


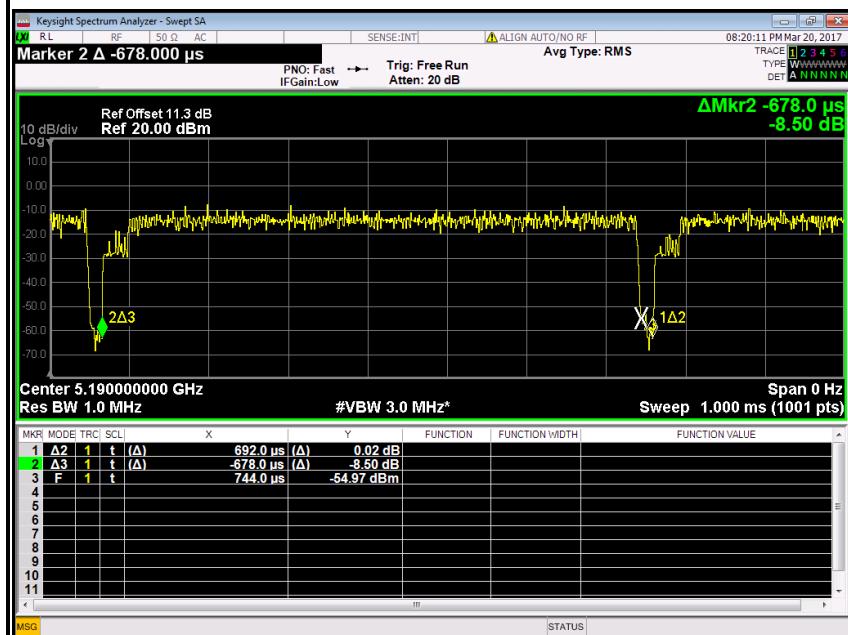
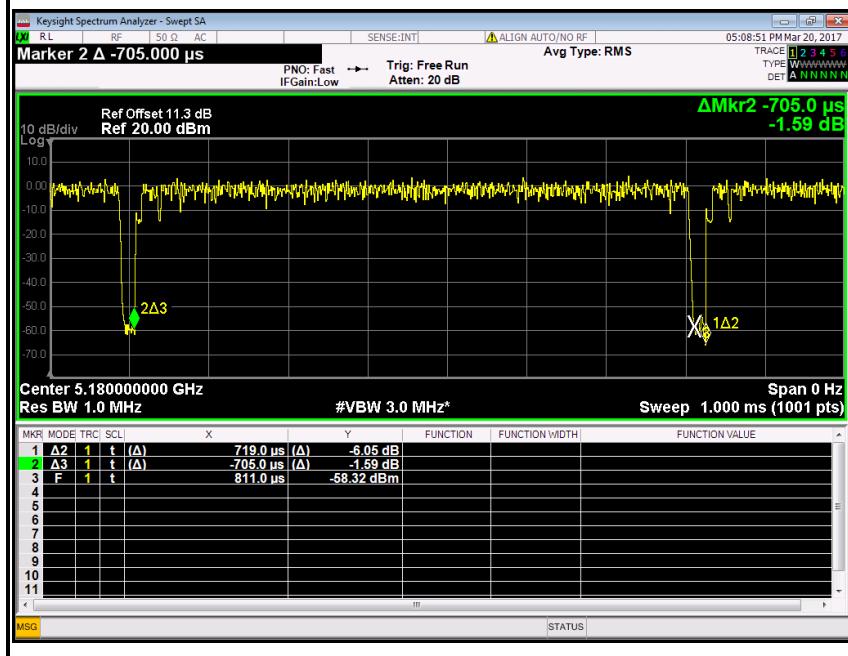
IEEE 802.11n HT 20 MHz mode

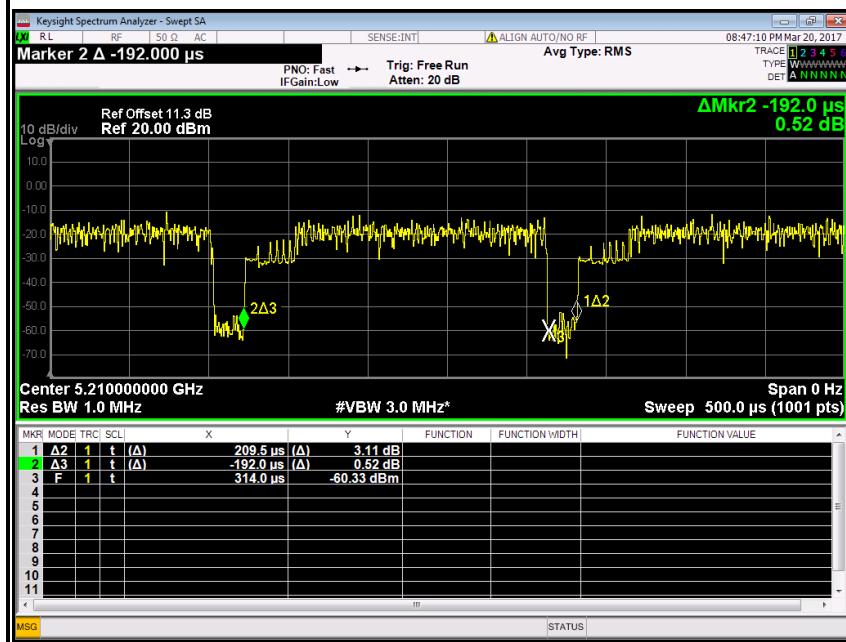


**IEEE 802.11n HT 40 MHz mode****IEEE 802.11ac 20 mode**

**IEEE 802.11ac 40 mode****IEEE 802.11ac 80 mode**

**Antenna 2****IEEE 802.11a mode****IEEE 802.11n HT 20 MHz mode**

**IEEE 802.11n HT 40 MHz mode****IEEE 802.11ac 20 mode**

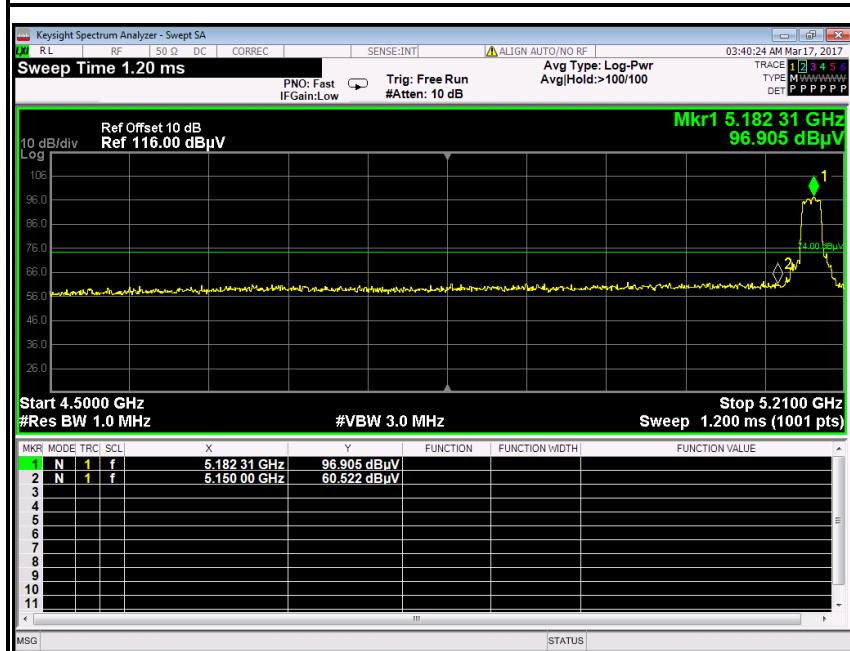
**IEEE 802.11ac 40 mode****IEEE 802.11ac 80 mode**



Antenna 1 Test Plot
IEEE 802.11a mode / 5180MHz

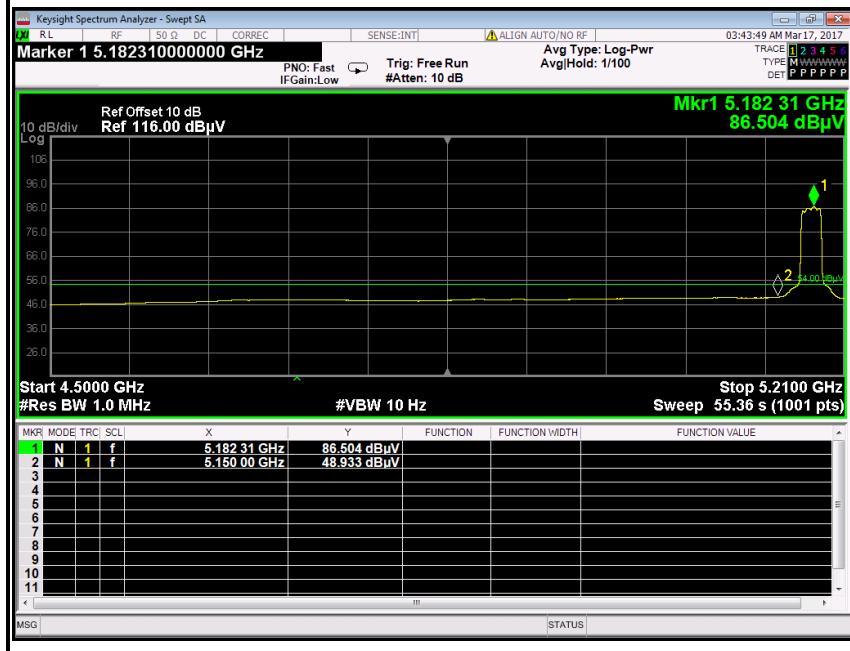
Detector mode: Peak

Polarity: Vertical

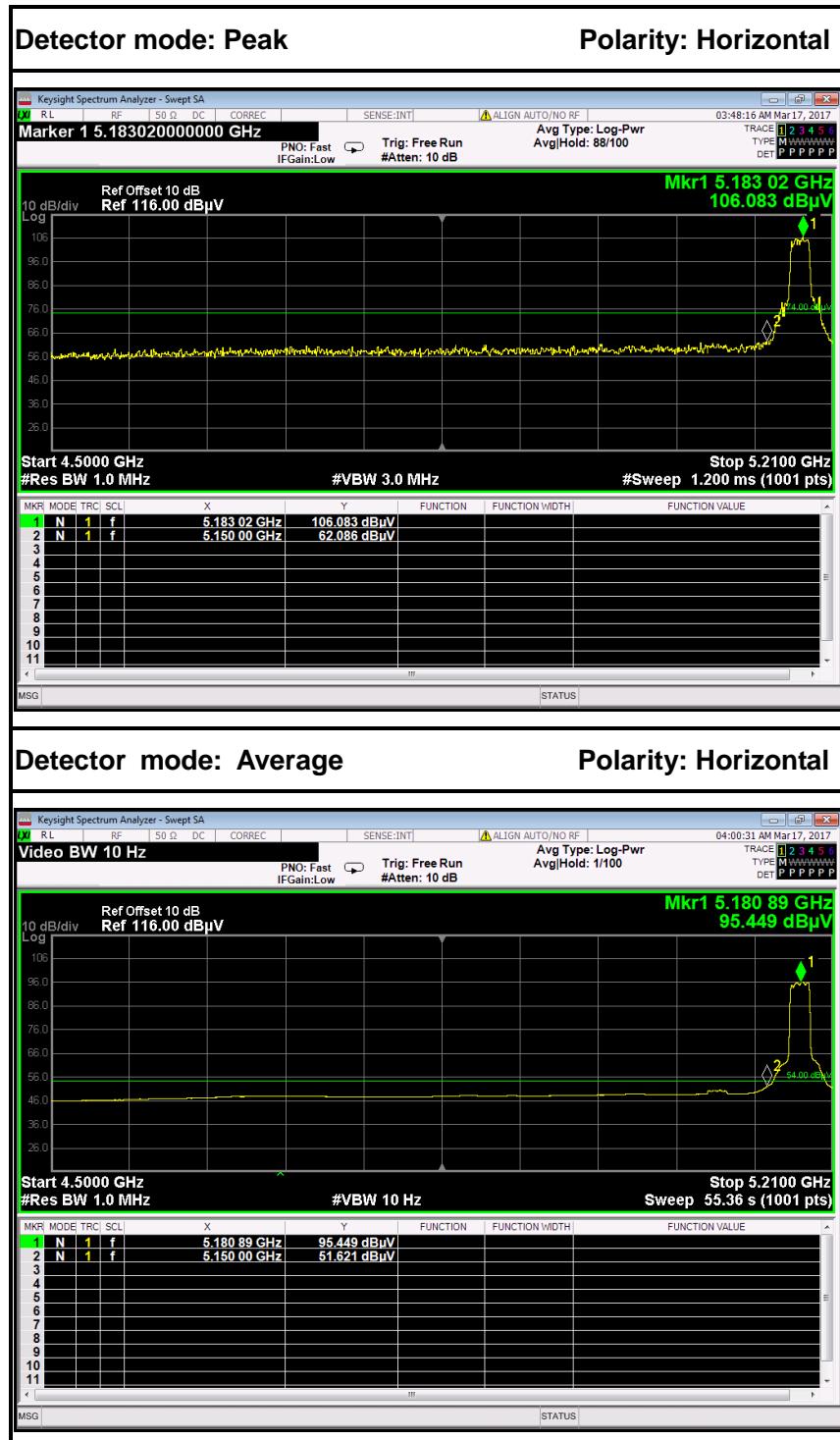


Detector mode: Average

Polarity: Vertical



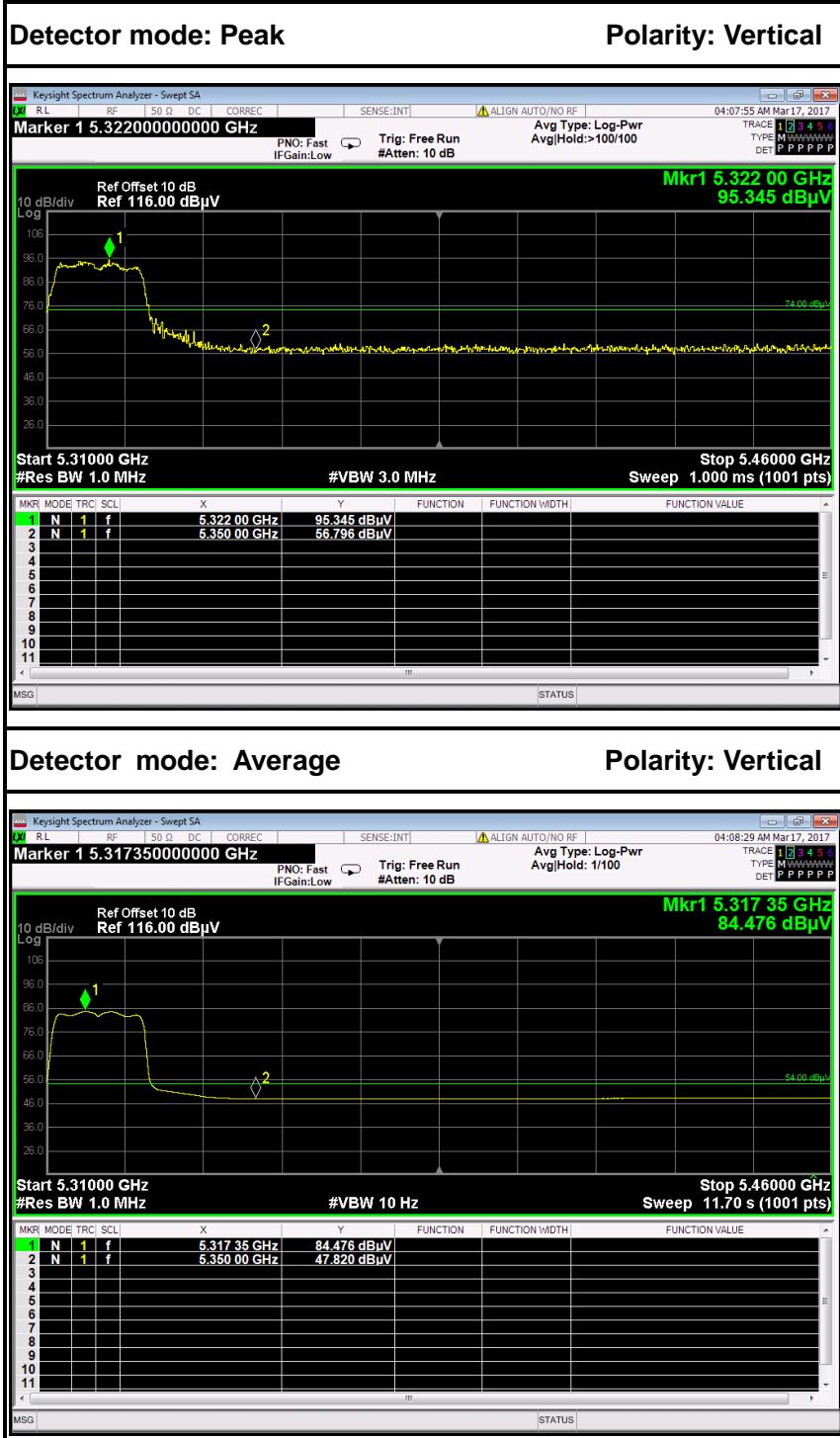
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	66.12	5.60	60.52	74.00	-13.48	Peak	Vertical
2	5150.0000	54.53	5.60	48.93	54.00	-5.07	Average	Vertical



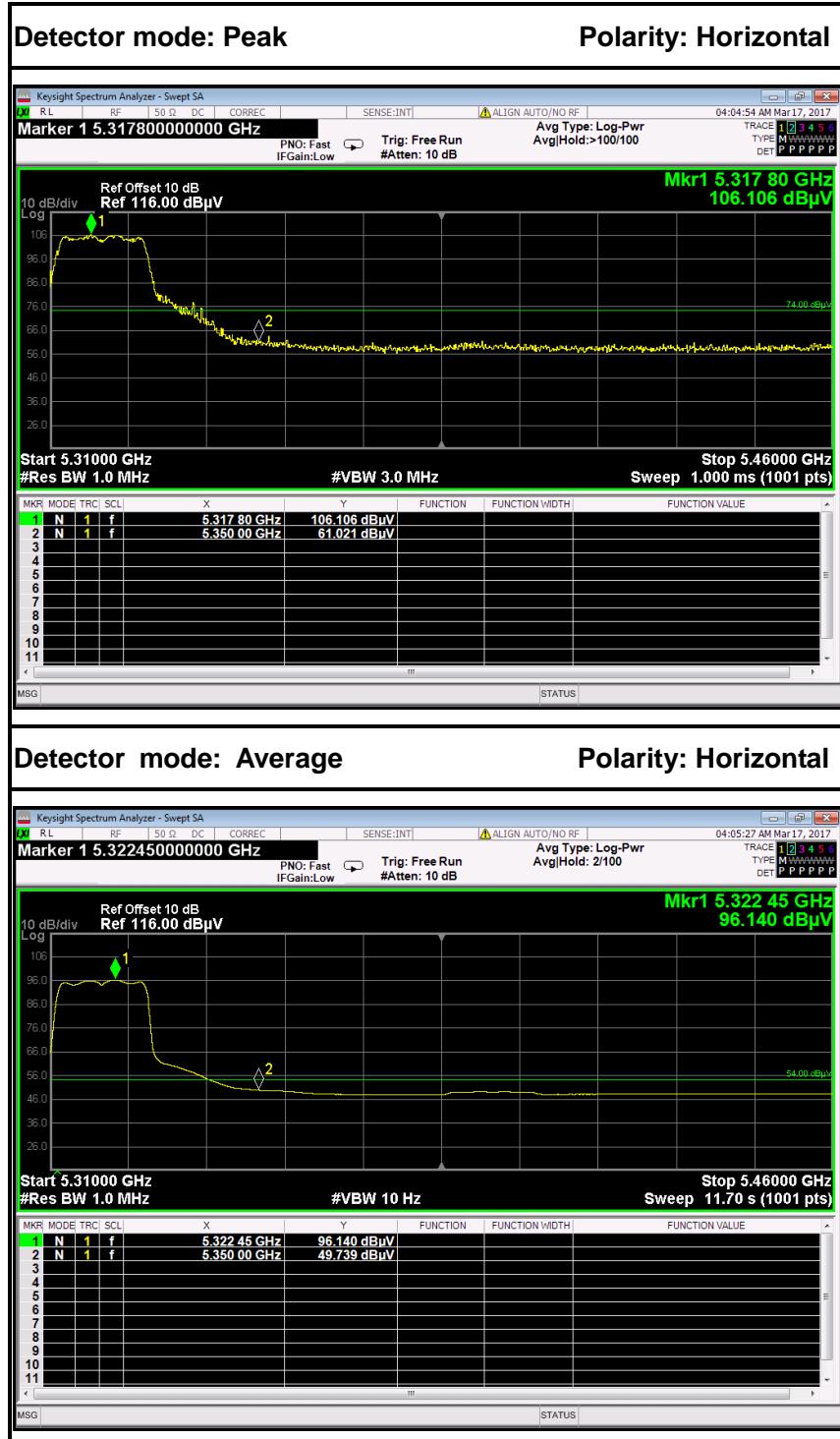
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	67.69	5.60	62.09	74.00	-11.91	Peak	Vertical
2	5350.0000	57.22	5.60	51.62	54.00	-2.38	Average	Vertical



IEEE 802.11a mode / 5320MHz



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	62.40	5.60	56.80	74.00	-17.20	Peak	Vertical
2	5350.0000	53.42	5.60	47.82	54.00	-6.18	Average	Vertical



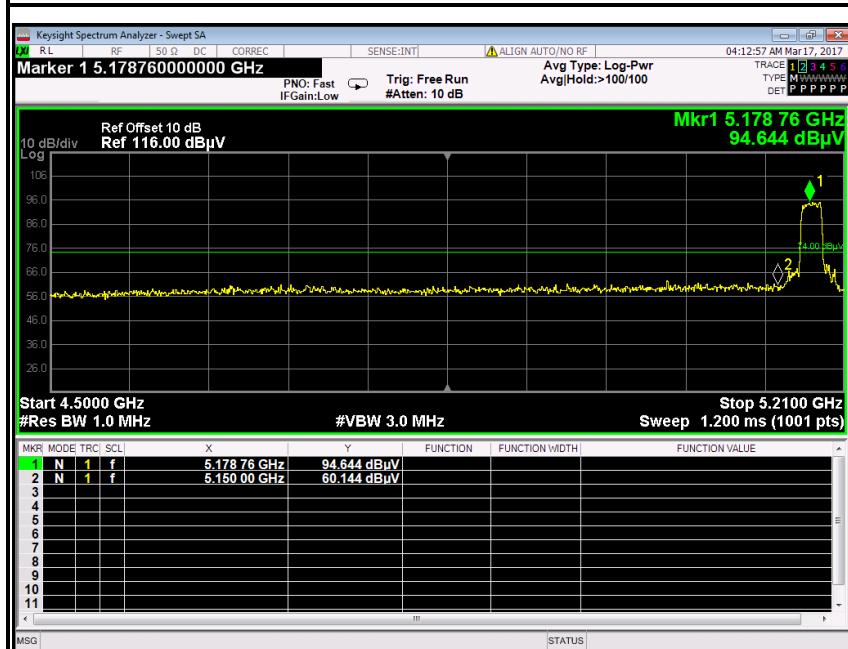
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	66.62	5.60	61.02	74.00	-12.98	Peak	Horizontal
2	5350.0000	55.34	5.60	49.74	54.00	-4.26	Average	Horizontal



IEEE 802.11n HT 20 MHz mode / 5180 MHz

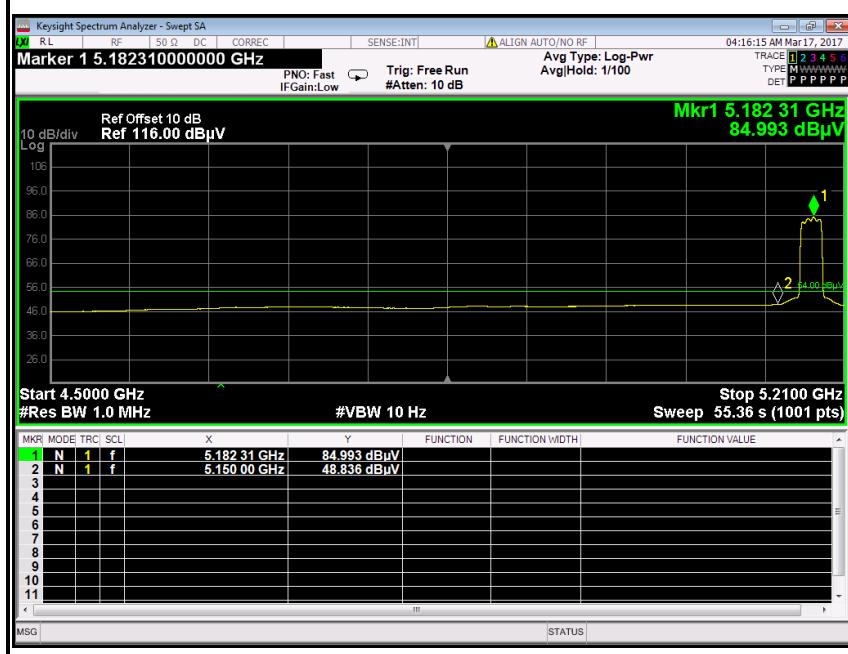
Detector mode: Peak

Polarity: Vertical



Detector mode: Average

Polarity: Vertical

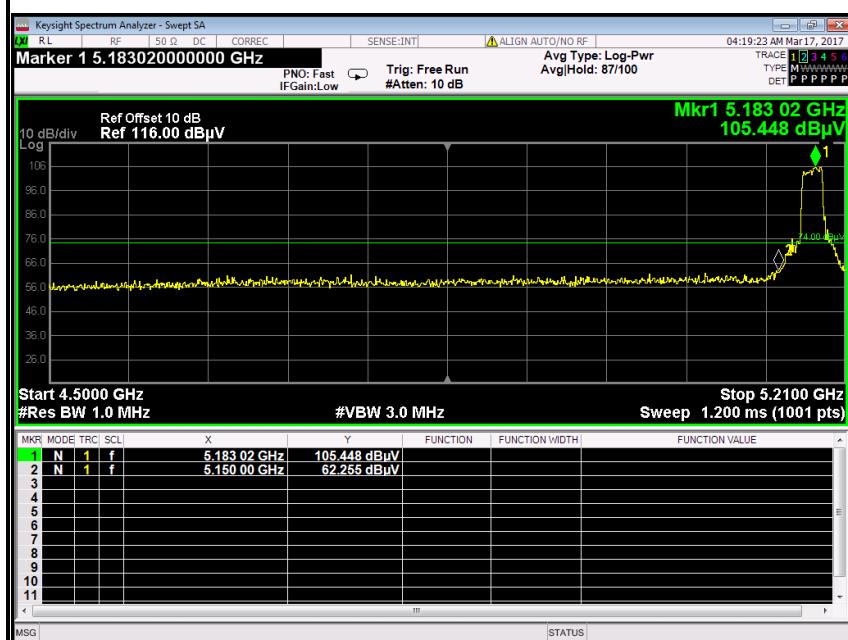


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	65.74	5.60	60.14	74.00	-13.86	Peak	Vertical
2	5150.0000	54.44	5.60	48.84	54.00	-5.16	Average	Vertical



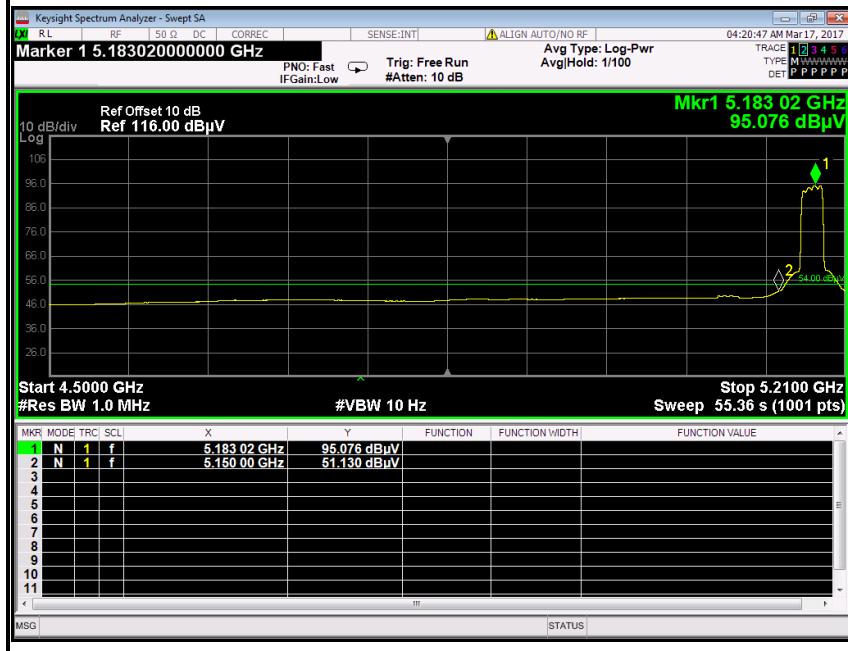
Detector mode: Peak

Polarity: Horizontal



Detector mode: Average

Polarity: Horizontal



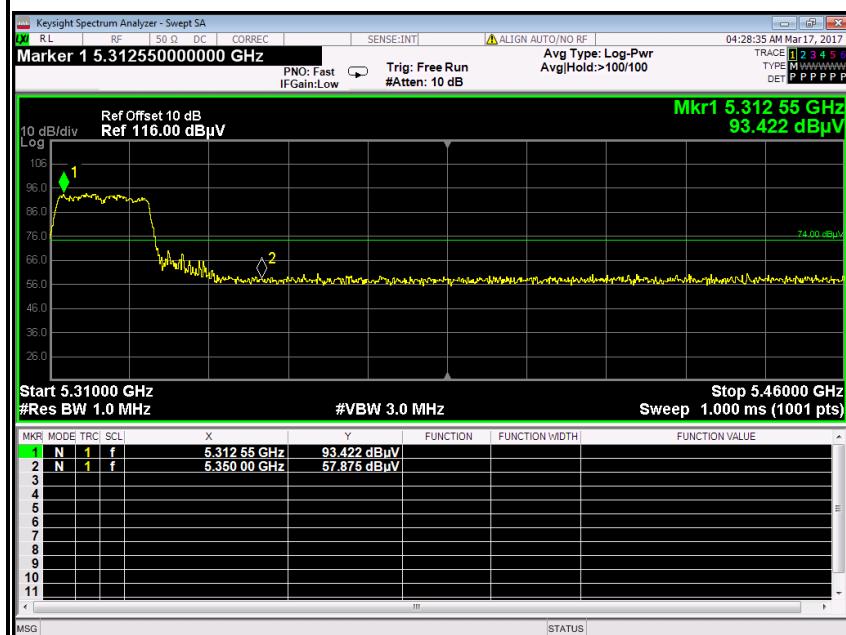
No.	Frequency (MHz)	Reading (dB _u V)	Corrected (dB/m)	Result (dB _u V/m)	Limit (dB _u V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	67.86	5.60	62.26	74.00	-11.75	Peak	Horizontal
2	5150.0000	56.73	5.60	51.13	54.00	-2.87	Average	Horizontal



IEEE 802.11n HT 20 MHz mode / 5320 MHz

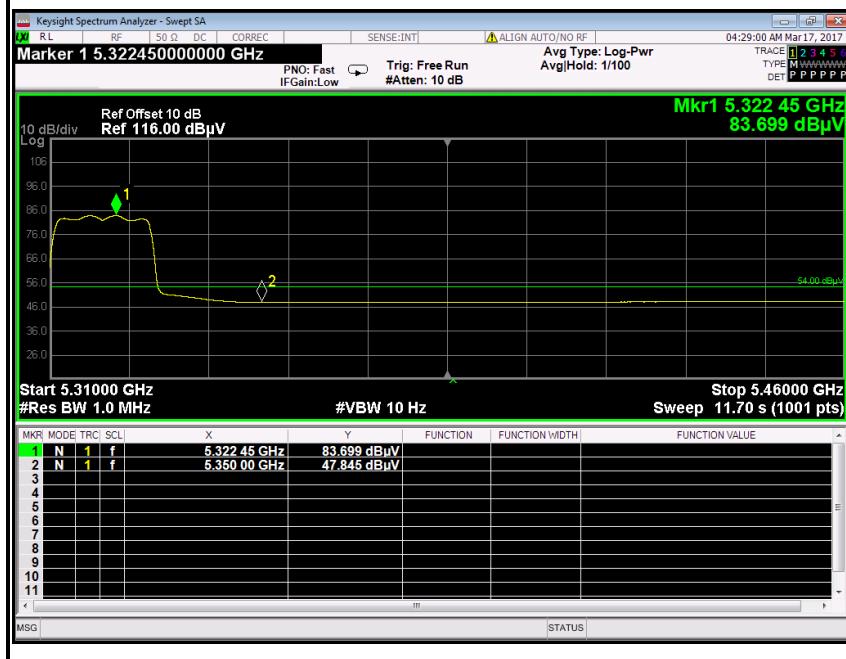
Detector mode: Peak

Polarity: Vertical



Detector mode: Average

Polarity: Vertical

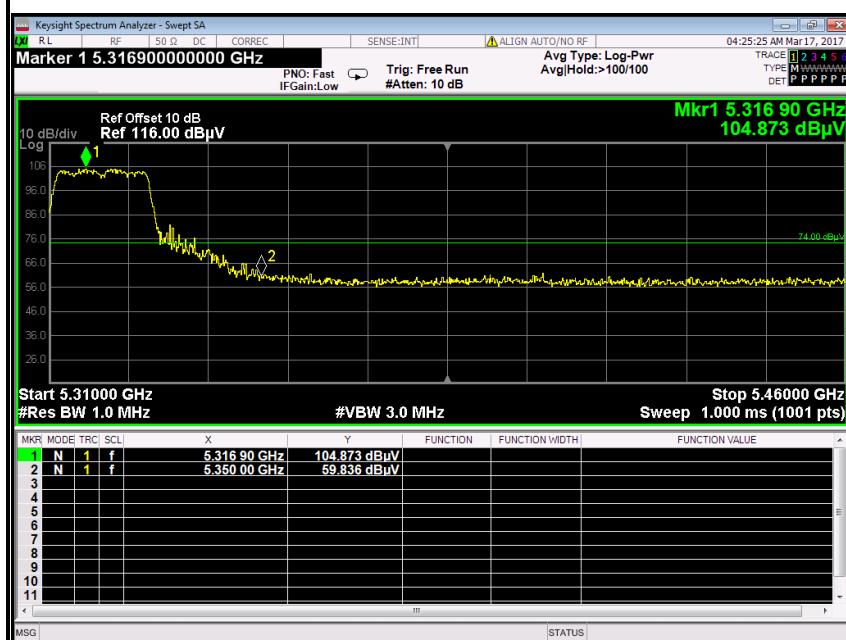


No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	63.48	5.60	57.88	74.00	-16.13	Peak	Vertical
2	5350.0000	53.45	5.60	47.85	54.00	-6.16	Average	Vertical



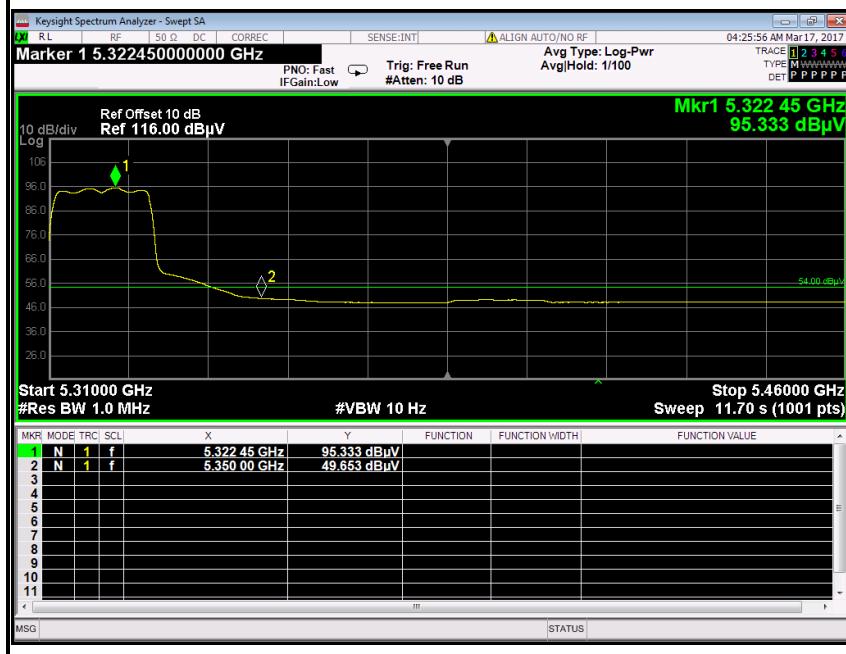
Detector mode: Peak

Polarity: Horizontal



Detector mode: Average

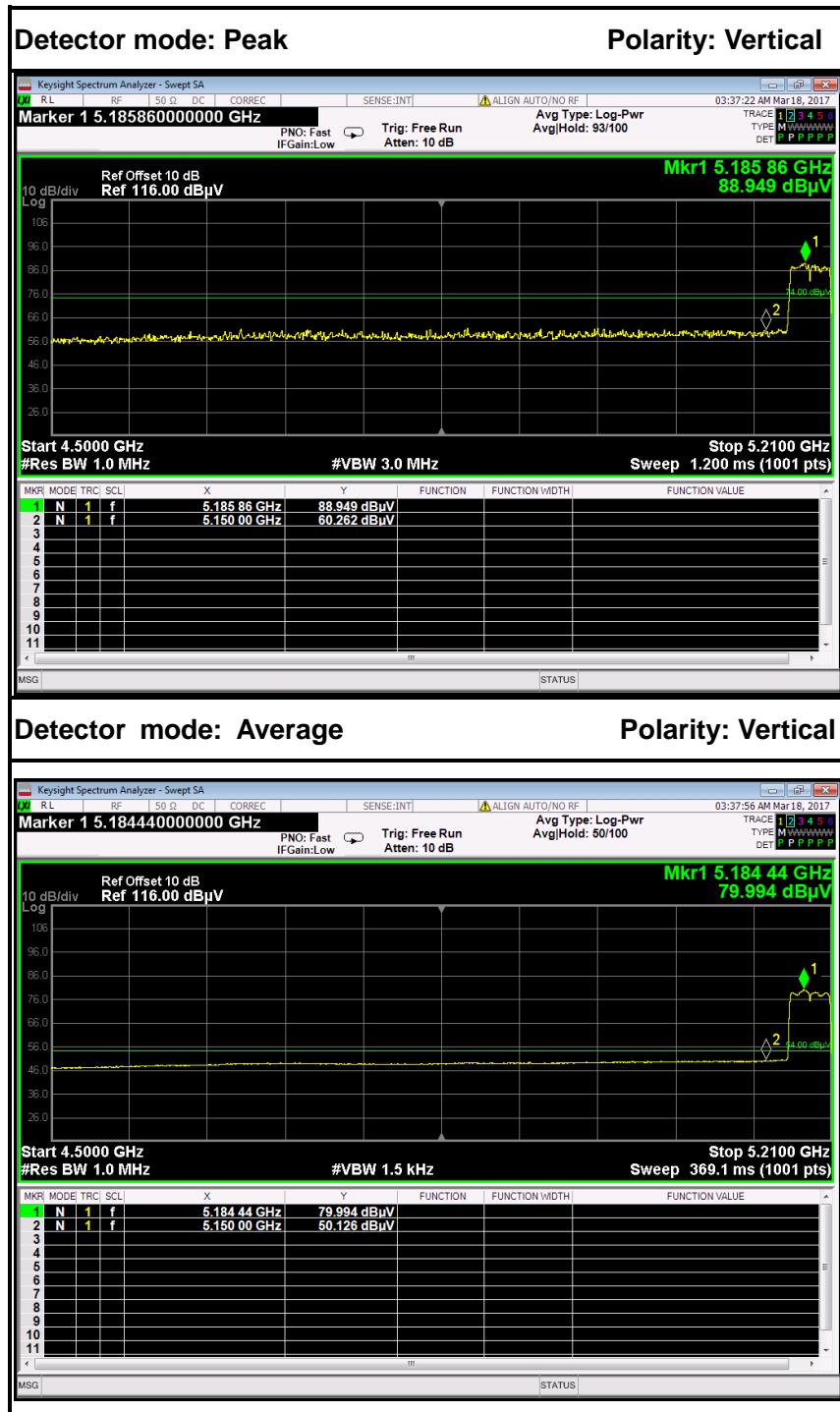
Polarity: Horizontal



No.	Frequency (MHz)	Reading (dB _µ V)	Corrected (dB/m)	Result (dB _µ V/m)	Limit (dB _µ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	65.44	5.60	59.84	74.00	-14.16	Peak	Horizontal
2	5350.0000	55.25	5.60	49.65	54.00	-4.35	Average	Horizontal



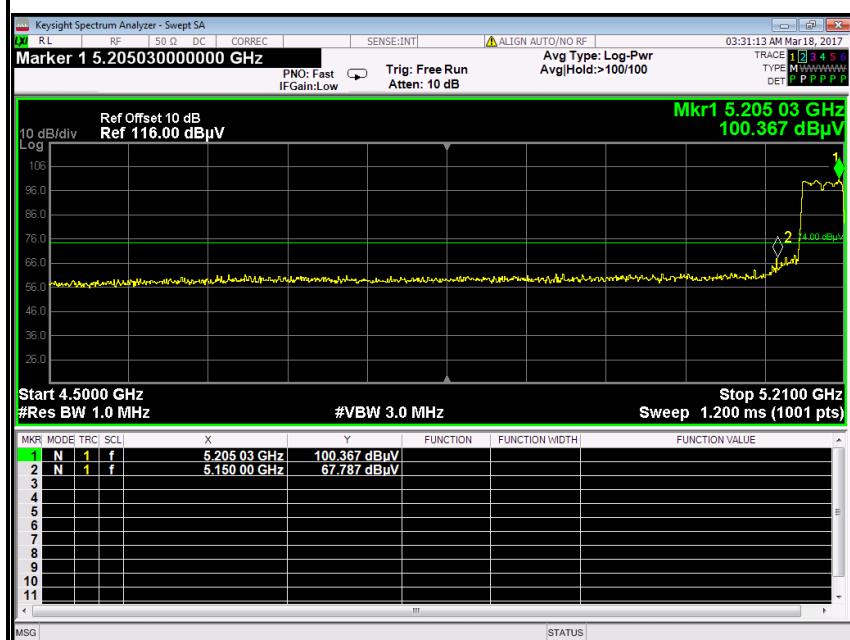
IEEE 802.11n HT 40 MHz mode / 5190 MHz



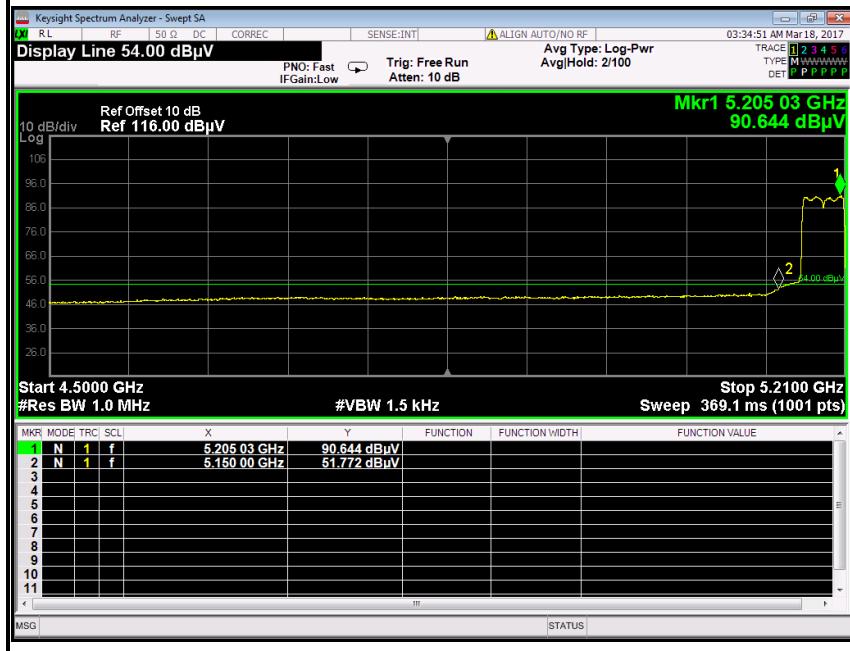
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	65.86	5.60	60.26	74.00	-13.74	Peak	Vertical
2	5150.0000	55.73	5.60	50.13	54.00	-3.87	Average	Vertical



Detector mode: Peak Polarity: Horizontal



Detector mode: Average Polarity: Horizontal



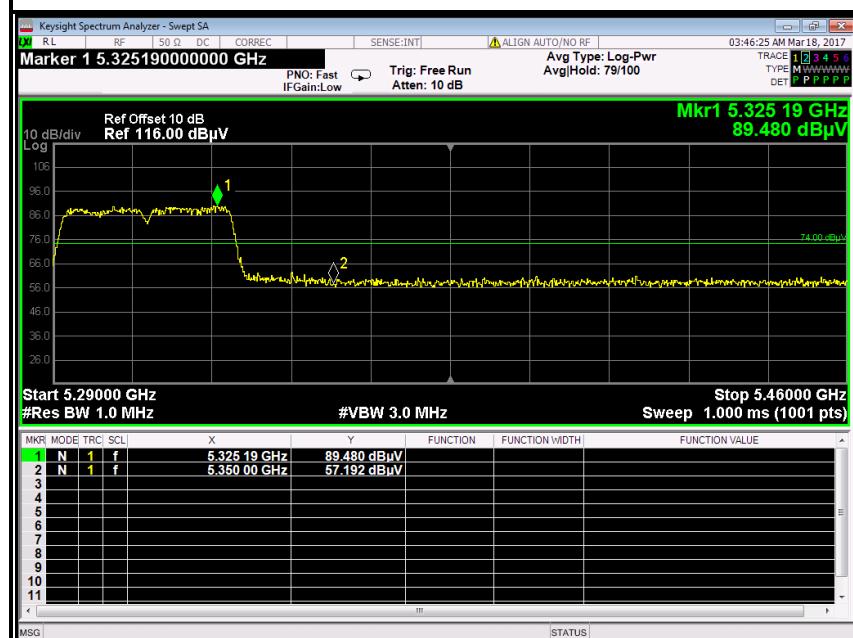
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	73.39	5.60	67.79	74.00	-6.21	Peak	Horizontal
2	5150.0000	57.37	5.60	51.77	54.00	-2.23	Average	Horizontal



IEEE 802.11n HT 40 MHz mode / 5310 MHz

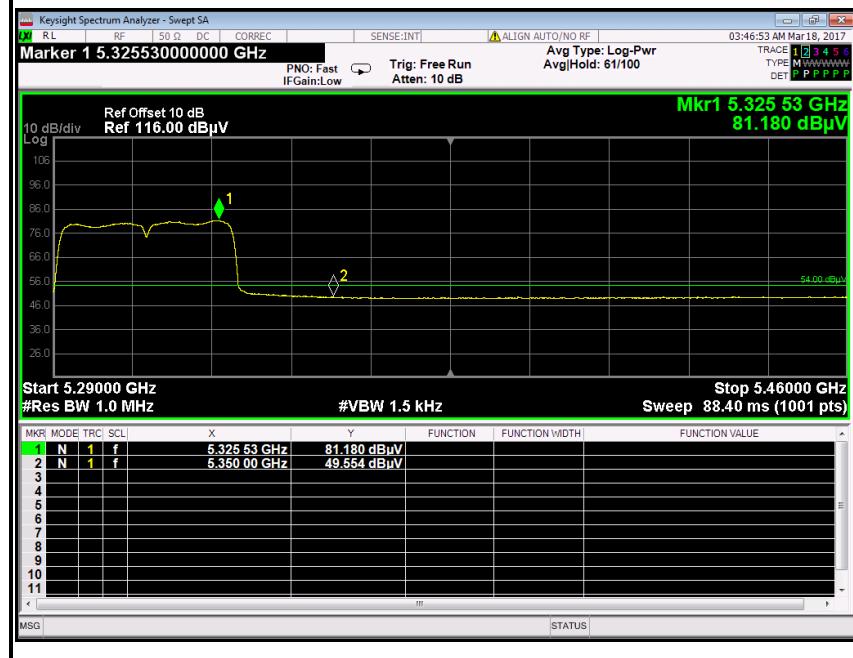
Detector mode: Peak

Polarity: Vertical

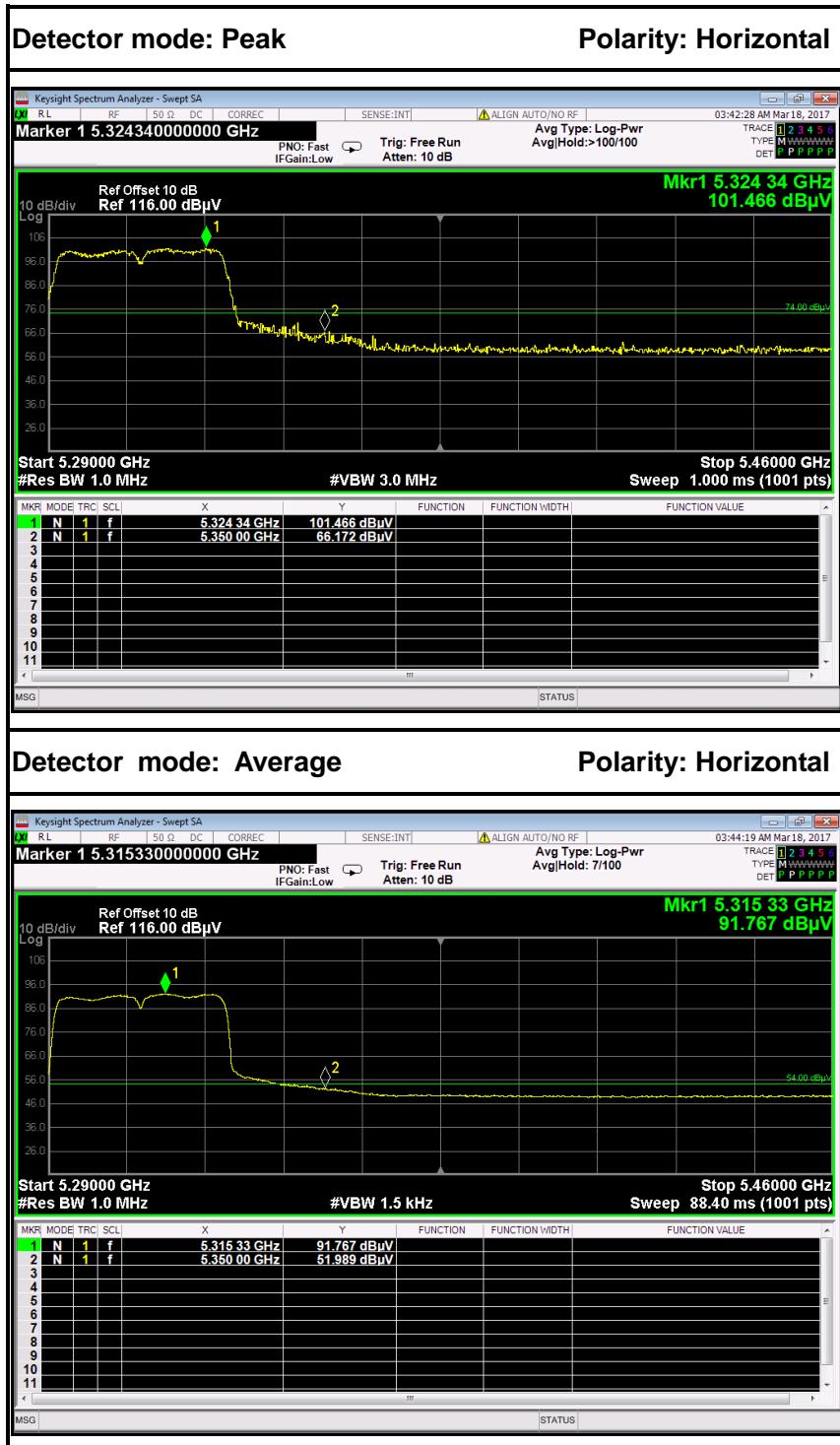


Detector mode: Average

Polarity: Vertical



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	62.79	5.60	57.19	74.00	-16.81	Peak	Vertical
2	5350.0000	55.15	5.60	49.55	54.00	-4.45	Average	Vertical



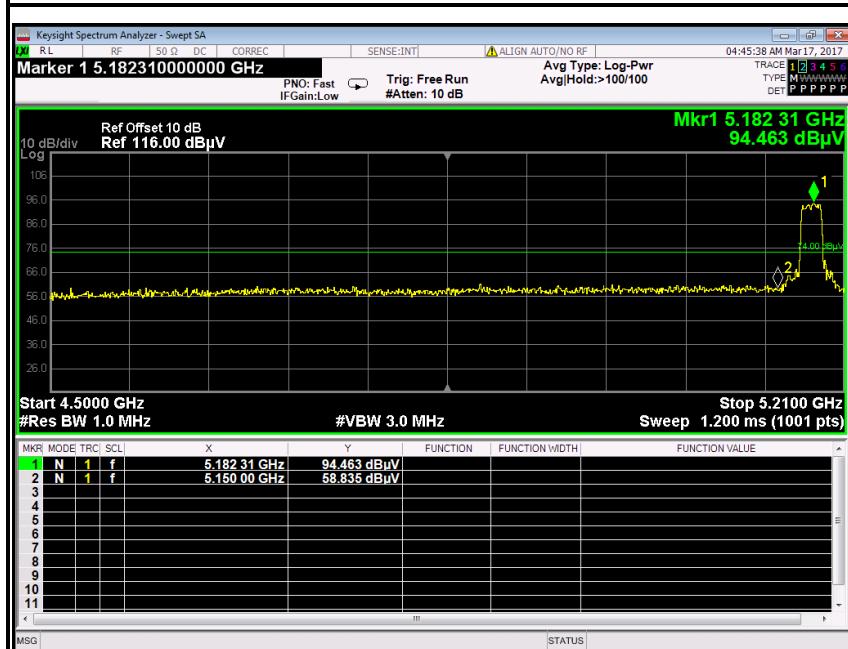
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	71.77	5.60	66.17	74.00	-7.83	Peak	Horizontal
2	5350.0000	57.59	5.60	51.99	54.00	-2.01	Average	Horizontal



IEEE 802.11ac 20 mode / 5180 MHz

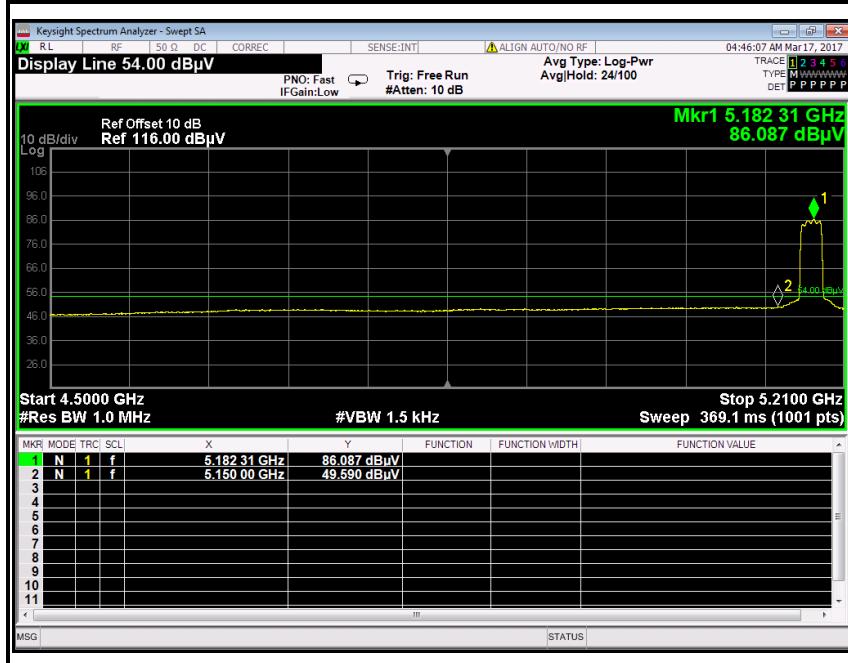
Detector mode: Peak

Polarity: Vertical



Detector mode: Average

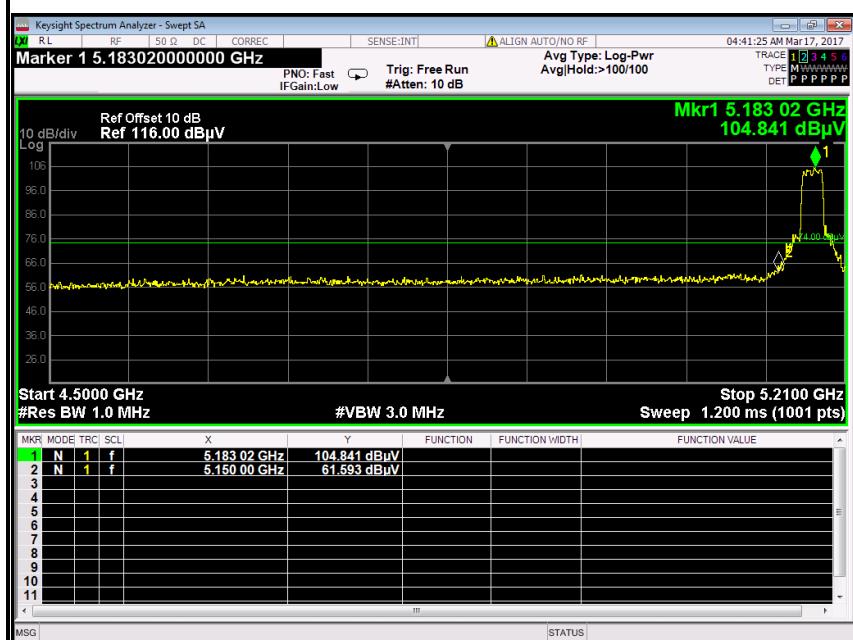
Polarity: Vertical



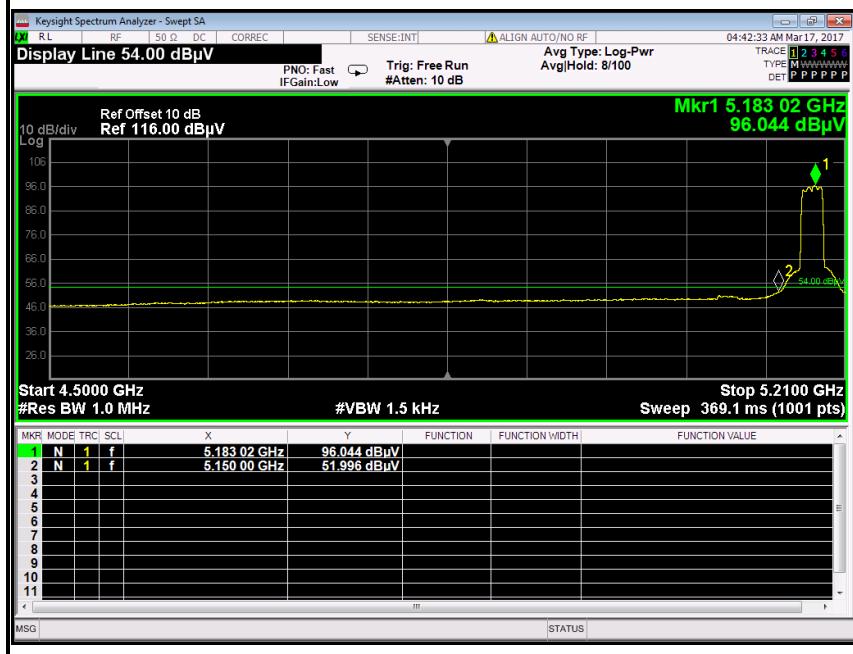
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	64.44	5.60	58.84	74.00	-15.17	Peak	Vertical
2	5150.0000	55.19	5.60	49.59	54.00	-4.41	Average	Vertical



Detector mode: Peak Polarity: Horizontal



Detector mode: Average Polarity: Horizontal



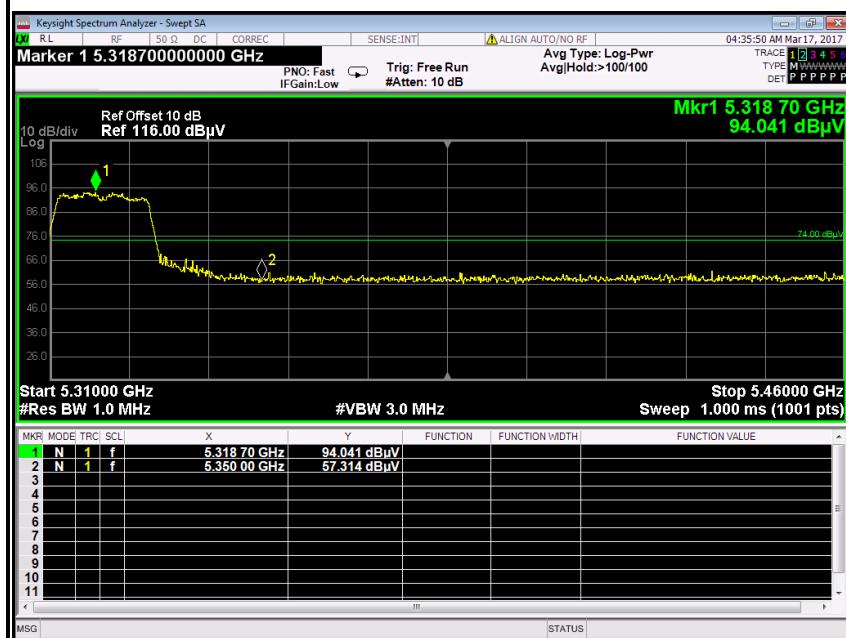
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	67.19	5.60	61.59	74.00	-12.41	Peak	Horizontal
2	5150.0000	57.60	5.60	52.00	54.00	-2.00	Average	Horizontal



IEEE 802.11ac 20 mode / 5320 MHz

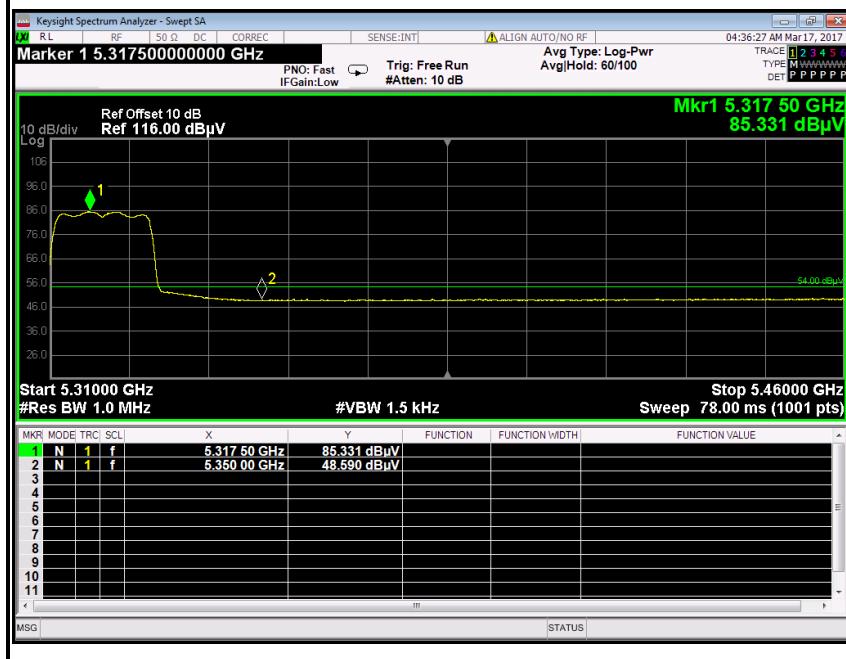
Detector mode: Peak

Polarity: Vertical



Detector mode: Average

Polarity: Vertical



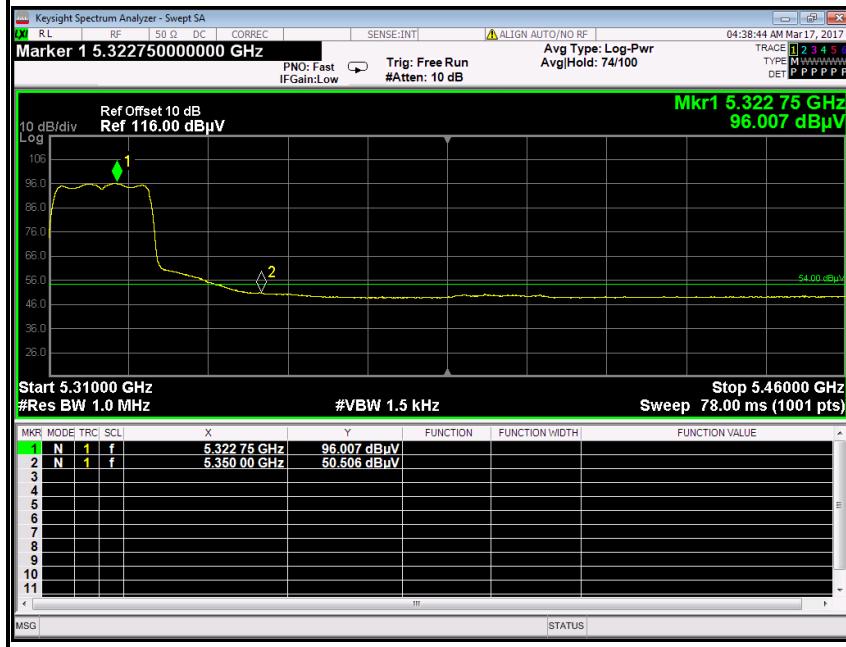
No.	Frequency (MHz)	Reading (dB _u V)	Corrected (dB/m)	Result (dB _u V/m)	Limit (dB _u V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	62.91	5.60	57.31	74.00	-16.69	Peak	Vertical
2	5350.0000	54.19	5.60	48.59	54.00	-5.41	Average	Vertical



Detector mode: Peak Polarity: Horizontal



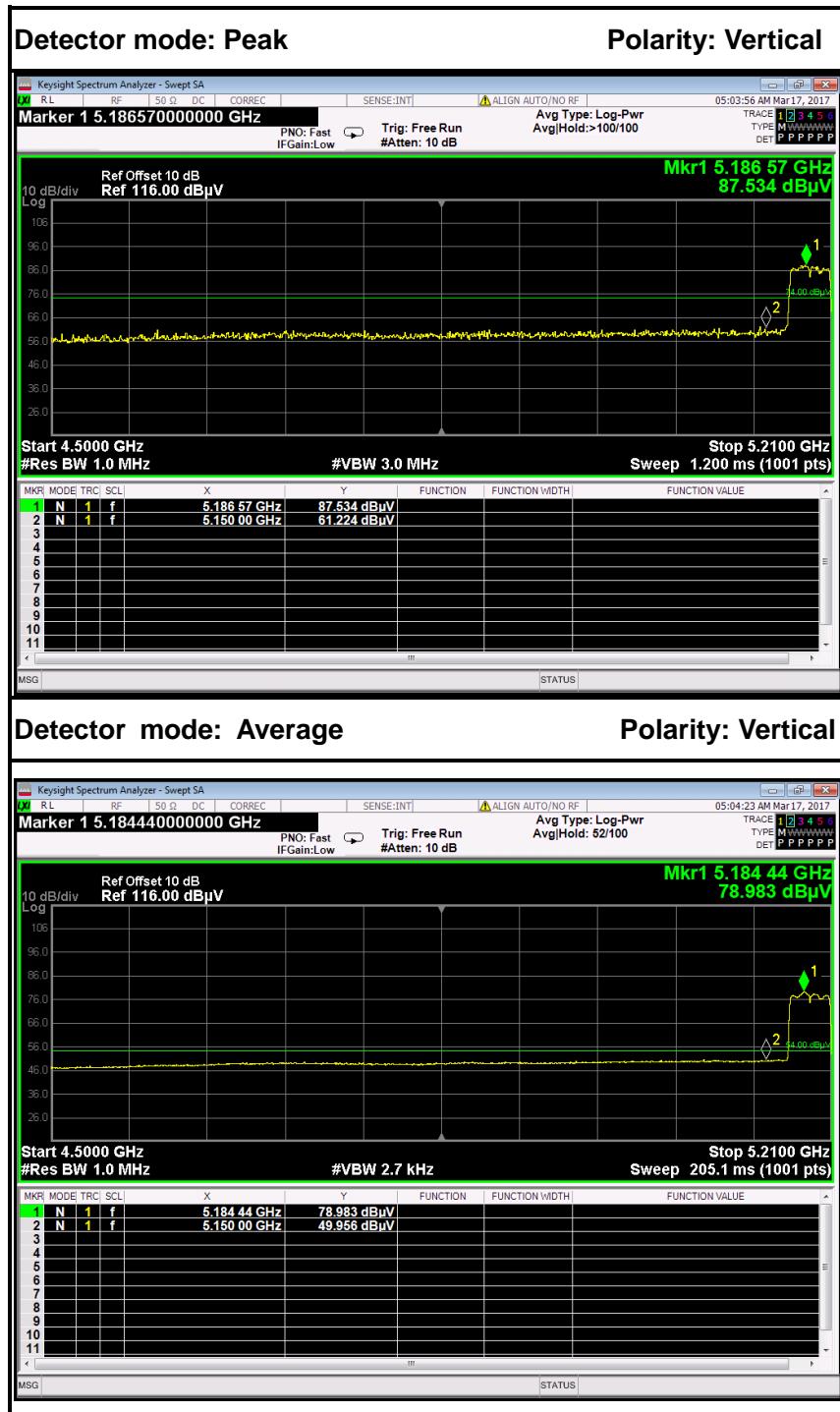
Detector mode: Average Polarity: Horizontal



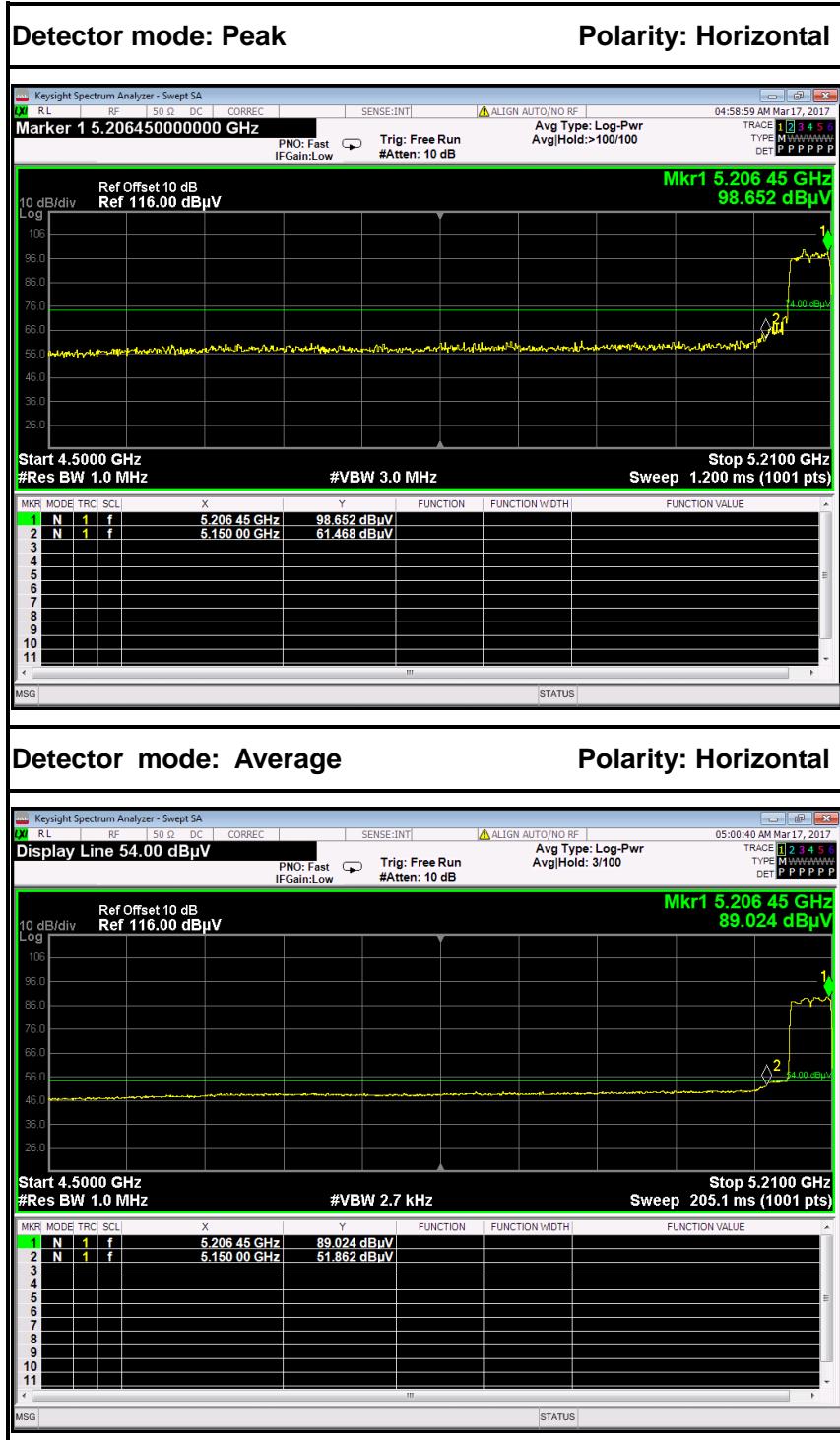
No.	Frequency (MHz)	Reading (dB _u V)	Corrected (dB/m)	Result (dB _u V/m)	Limit (dB _u V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	65.48	5.60	59.88	74.00	-14.12	Peak	Horizontal
2	5350.0000	56.11	5.60	50.51	54.00	-3.49	Average	Horizontal



IEEE 802.11ac 40 mode / 5190 MHz



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	66.82	5.60	61.22	74.00	-12.78	Peak	Vertical
2	5150.0000	55.56	5.60	49.96	54.00	-4.04	Average	Vertical



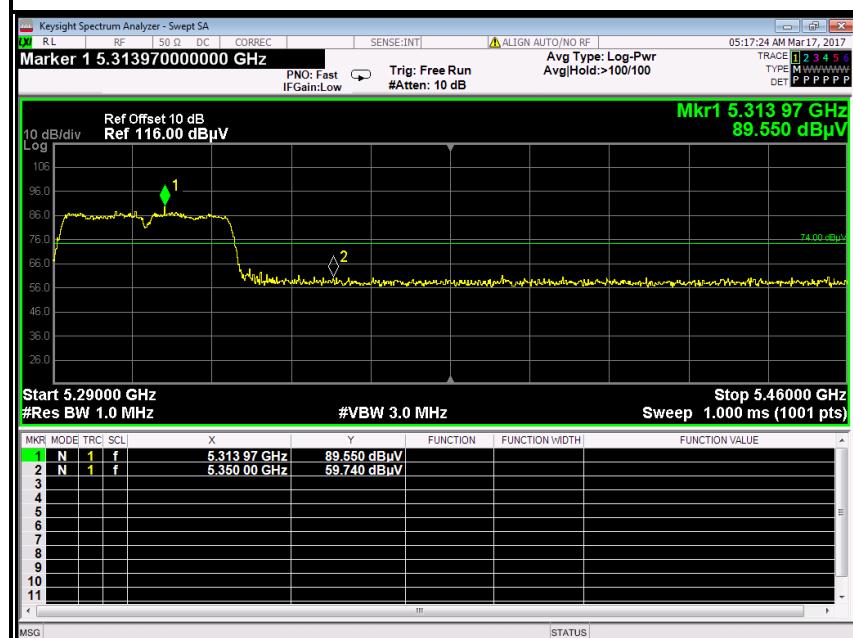
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	67.07	5.60	61.47	74.00	-12.53	Peak	Horizontal
2	5150.0000	57.46	5.60	51.86	54.00	-2.14	Average	Horizontal



IEEE 802.11ac 40 mode / 5310 MHz

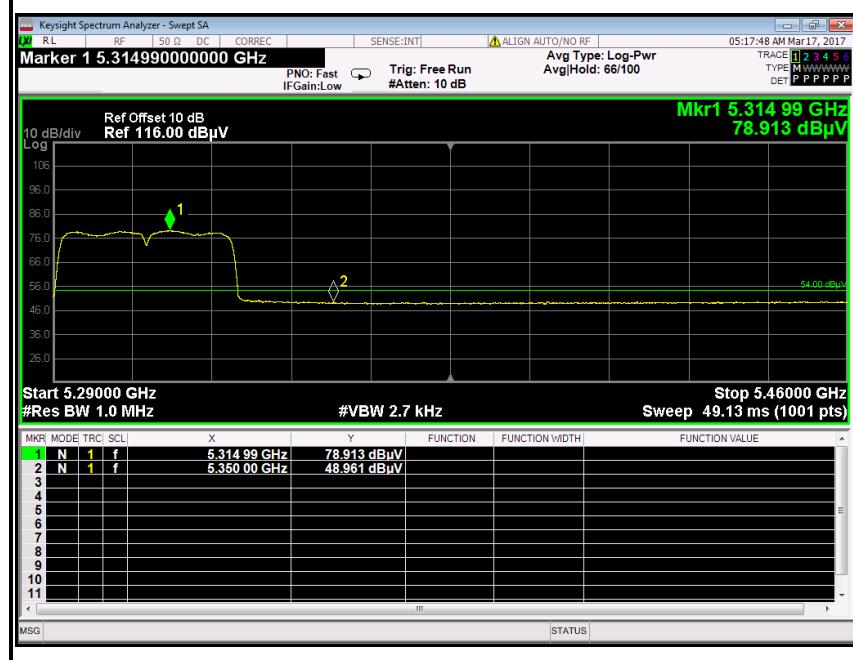
Detector mode: Peak

Polarity: Vertical

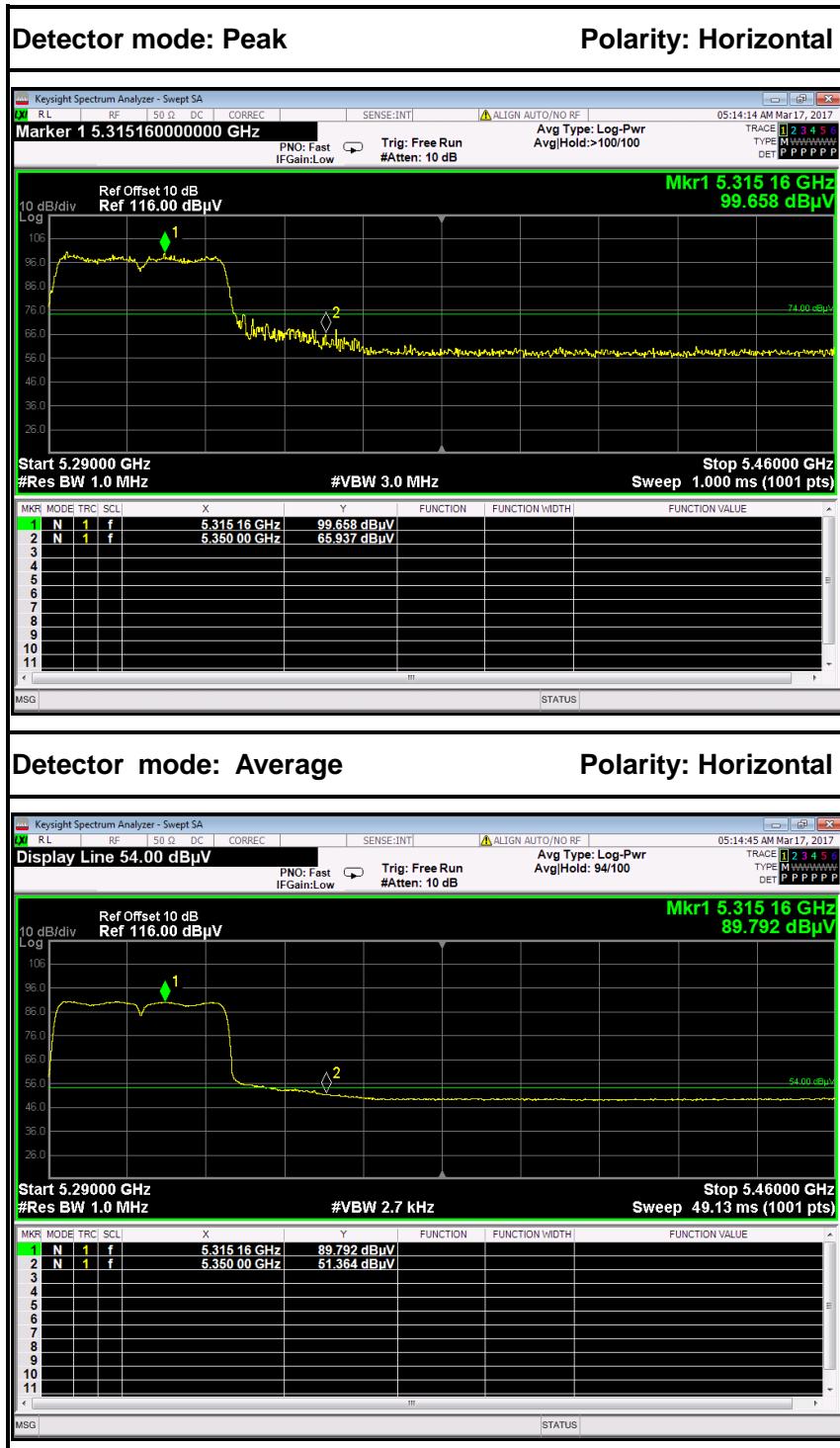


Detector mode: Average

Polarity: Vertical



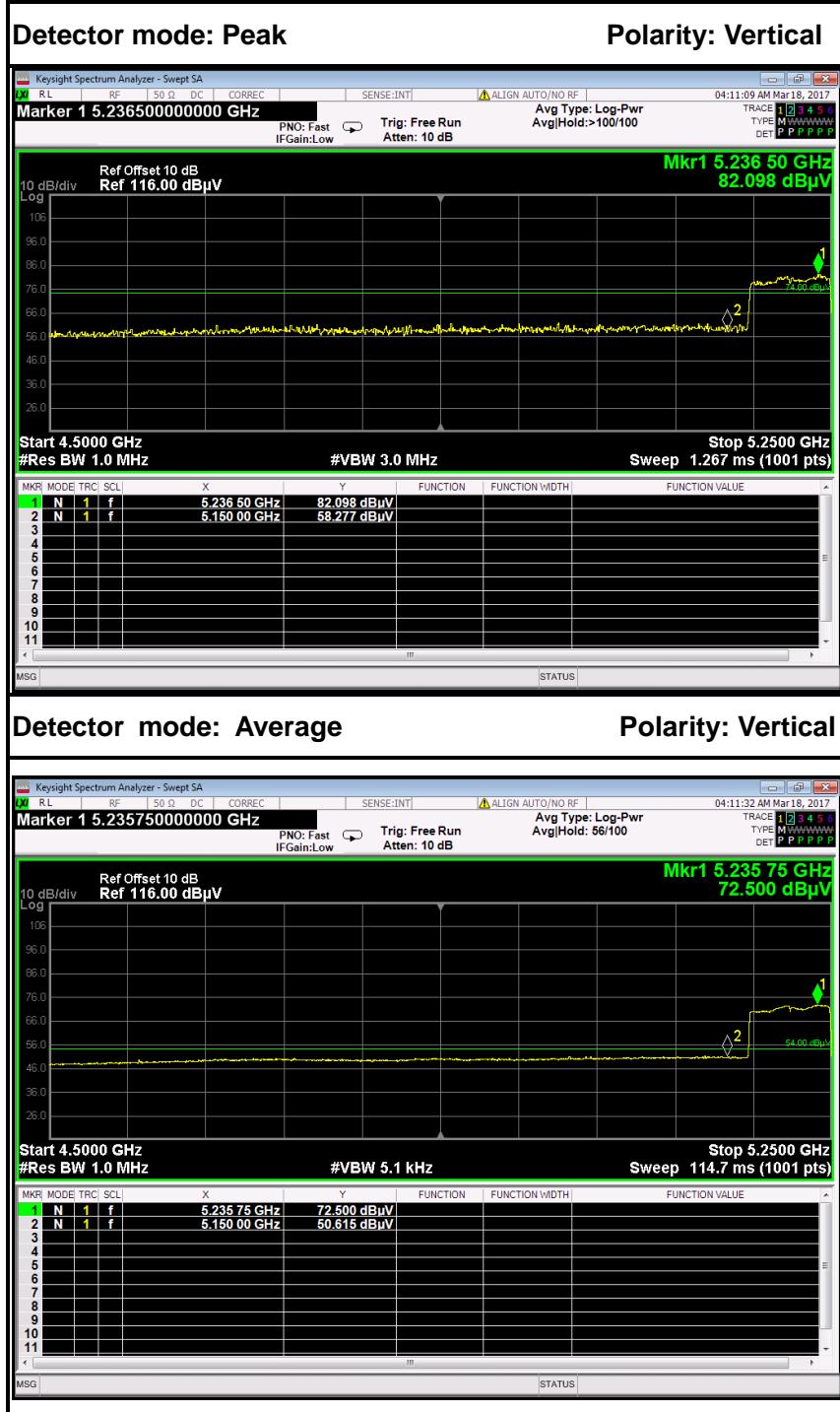
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	65.34	5.60	59.74	74.00	-14.26	Peak	Vertical
2	5350.0000	54.56	5.60	48.96	54.00	-5.04	Average	Vertical



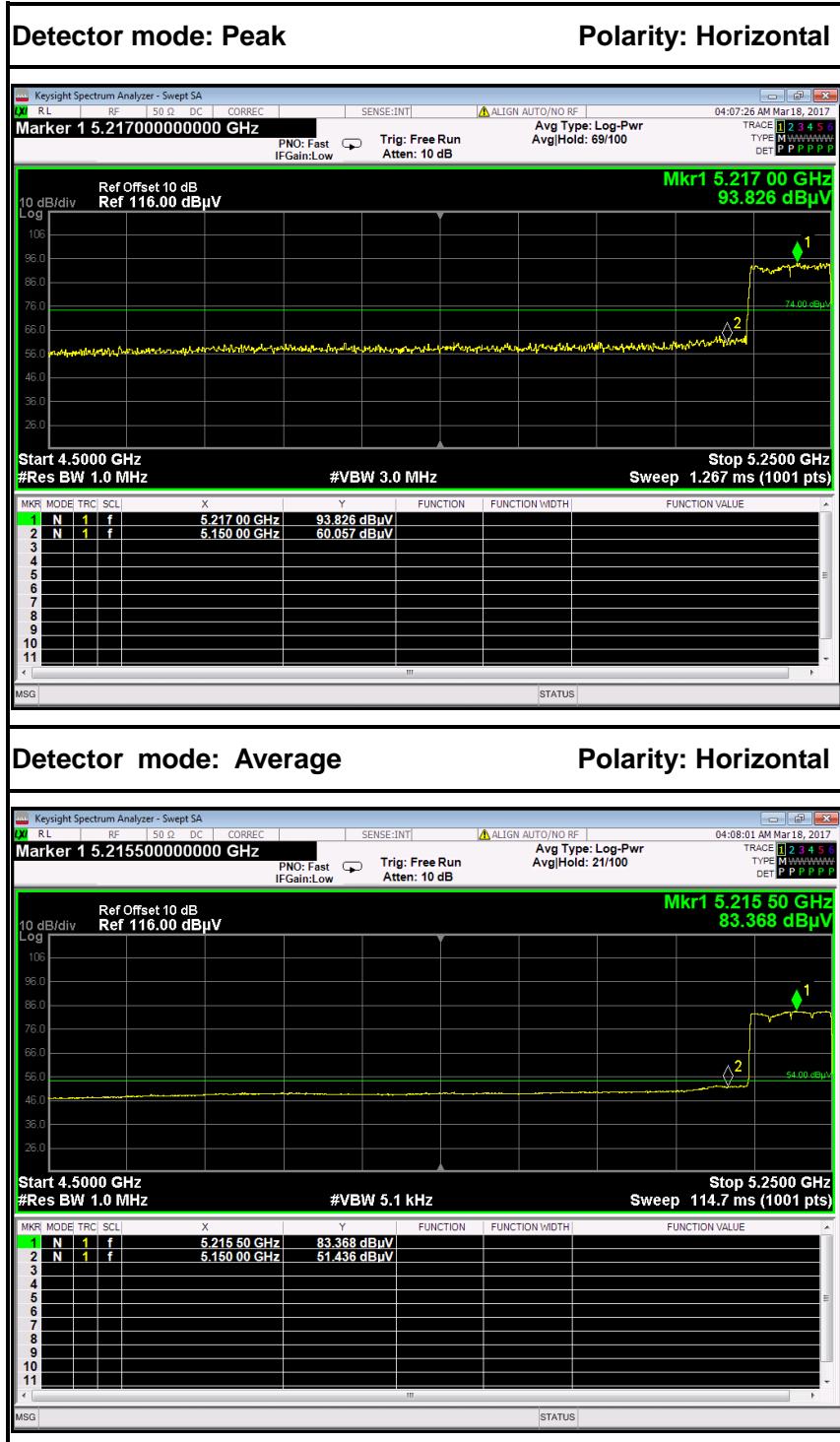
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	71.54	5.60	65.94	74.00	-8.06	Peak	Horizontal
2	5350.0000	56.96	5.60	51.36	54.00	-2.64	Average	Horizontal



IEEE 802.11ac 80 mode / 5210 MHz



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	63.88	5.60	58.28	74.00	-15.72	Peak	Vertical
2	5150.0000	56.22	5.60	50.62	54.00	-3.39	Average	Vertical



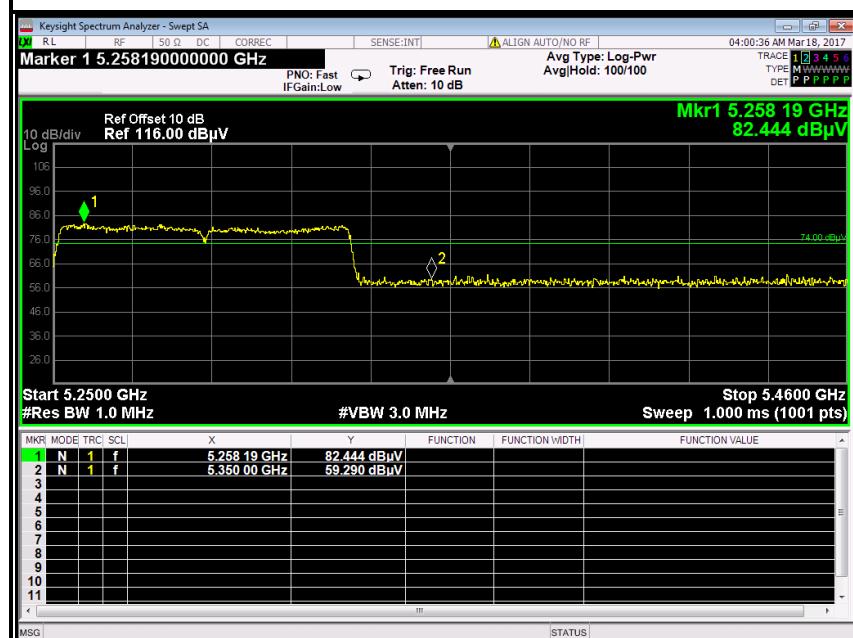
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	65.66	5.60	60.06	74.00	-13.94	Peak	Horizontal
2	5150.0000	57.04	5.60	51.44	54.00	-2.56	Average	Horizontal



IEEE 802.11ac 80 mode / 5290 MHz

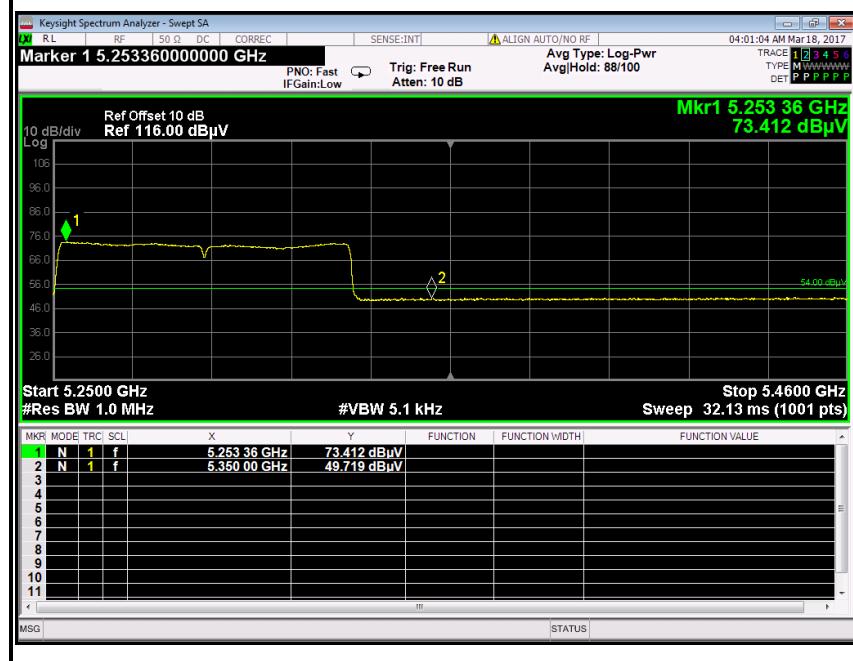
Detector mode: Peak

Polarity: Vertical



Detector mode: Average

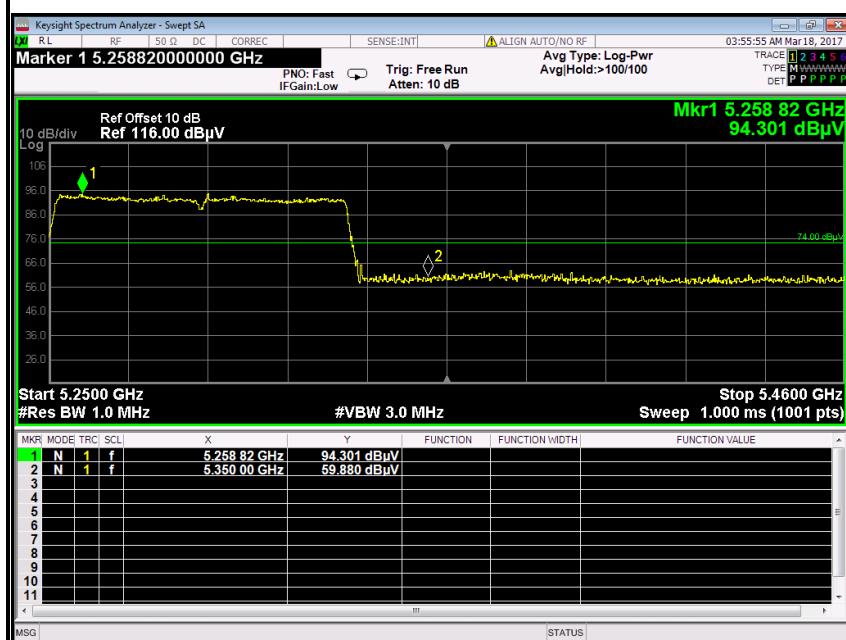
Polarity: Vertical



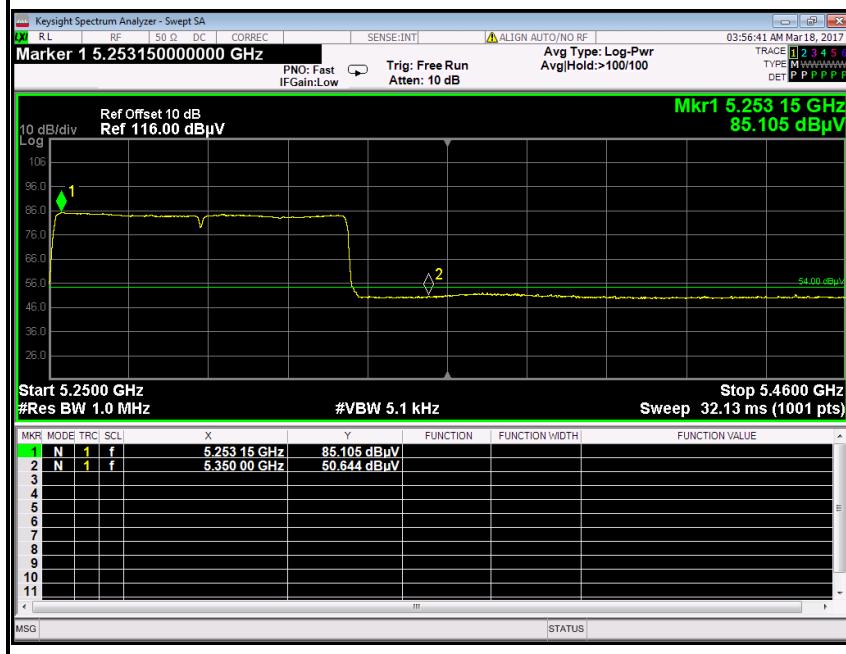
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	64.89	5.60	59.29	74.00	-14.71	Peak	Vertical
2	5350.0000	55.32	5.60	49.72	54.00	-4.28	Average	Vertical



Detector mode: Peak Polarity: Horizontal



Detector mode: Average Polarity: Horizontal



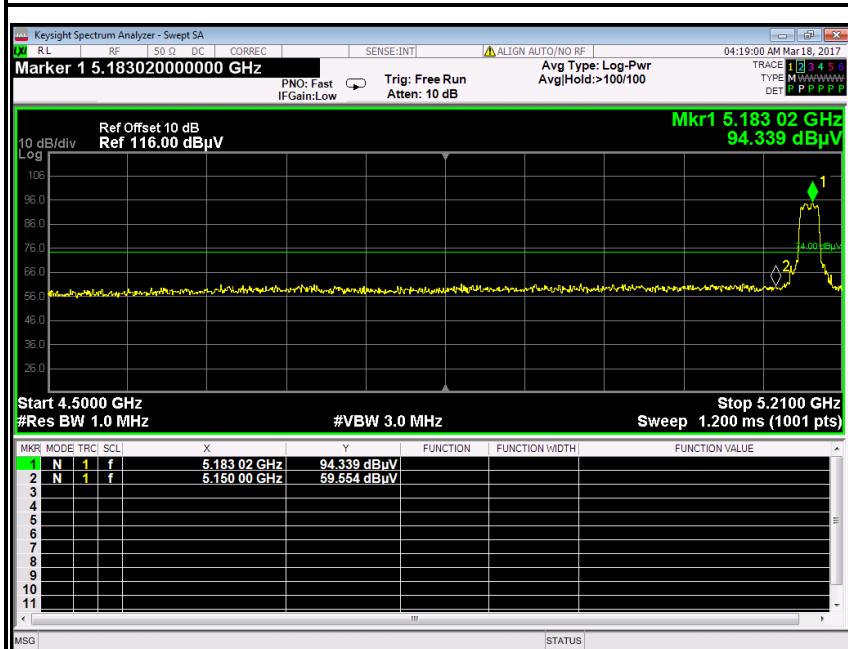
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	65.48	5.60	59.88	74.00	-14.12	Peak	Horizontal
2	5350.0000	56.24	5.60	50.64	54.00	-3.36	Average	Horizontal



Antenna 2 Test Plot
IEEE 802.11a mode / 5180MHz

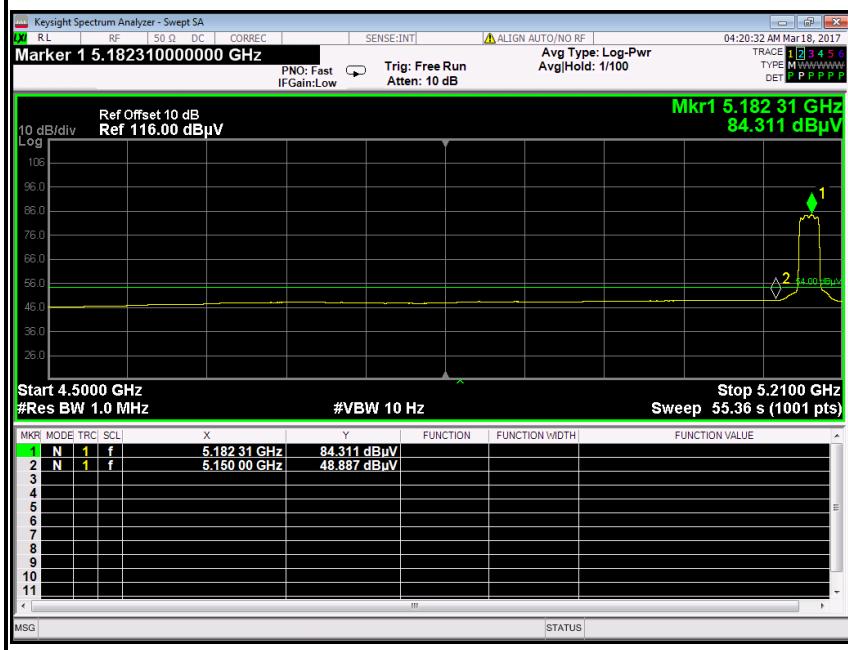
Detector mode: Peak

Polarity: Vertical

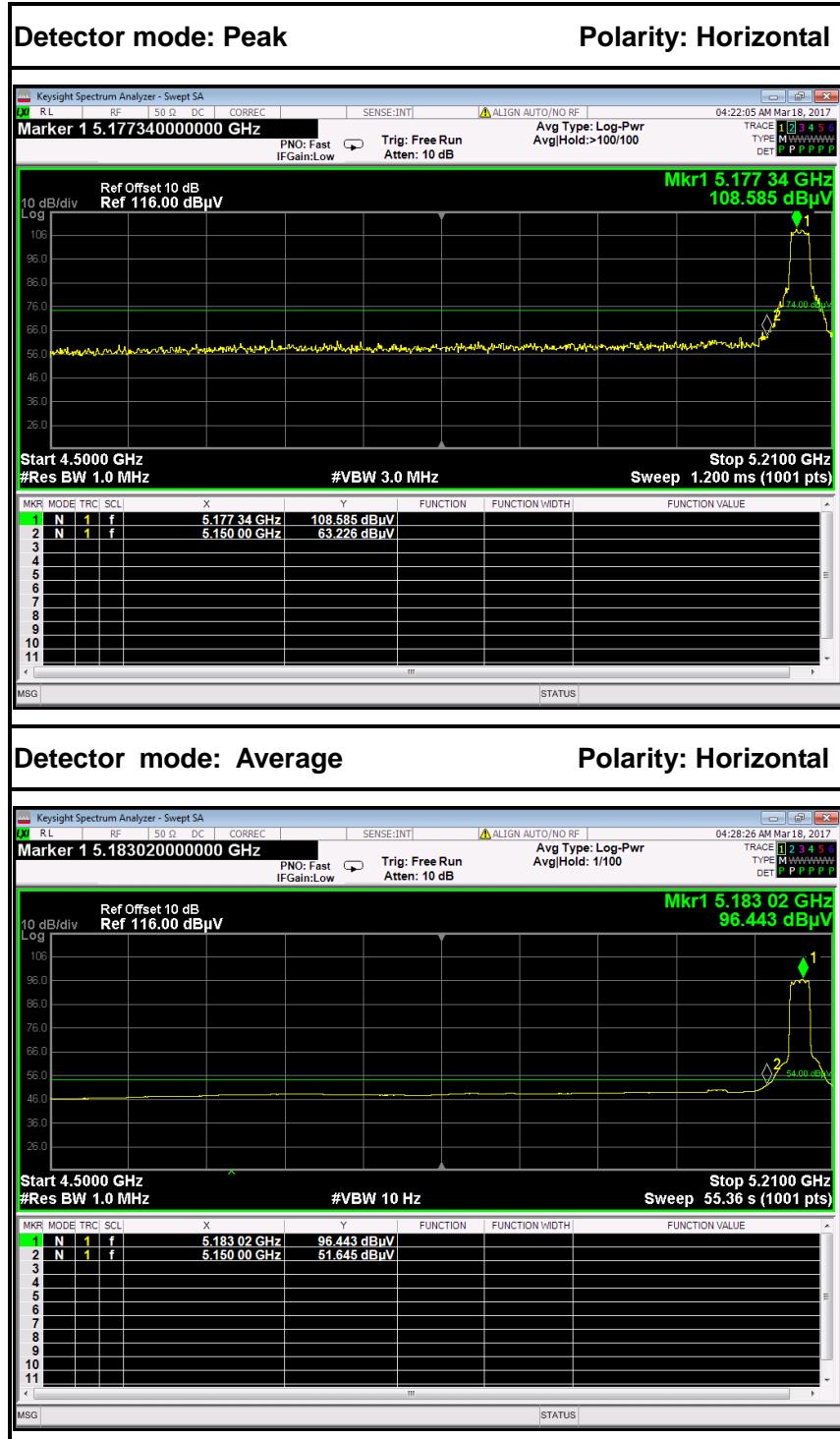


Detector mode: Average

Polarity: Vertical



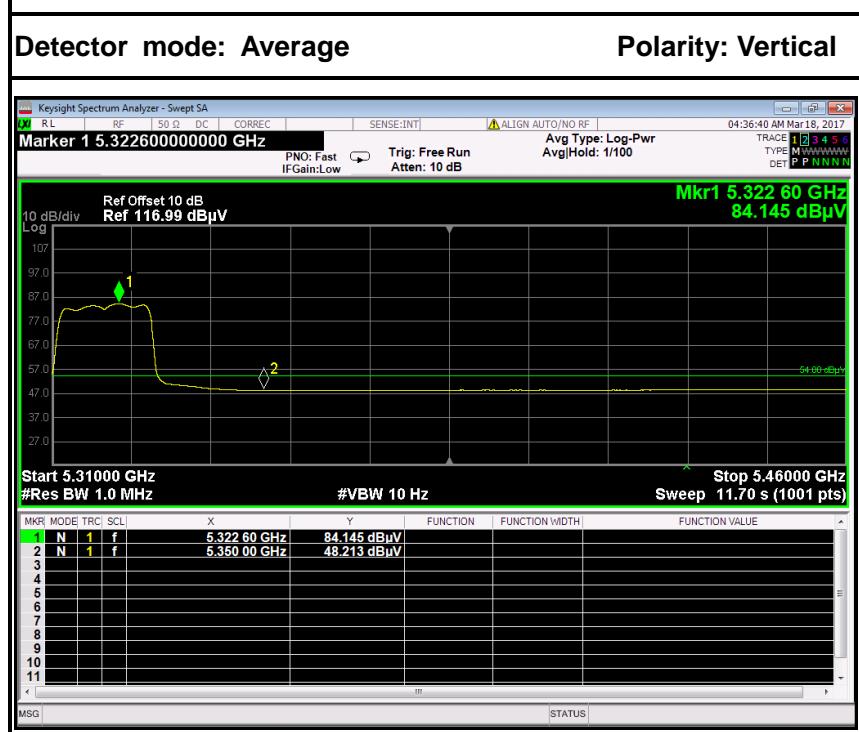
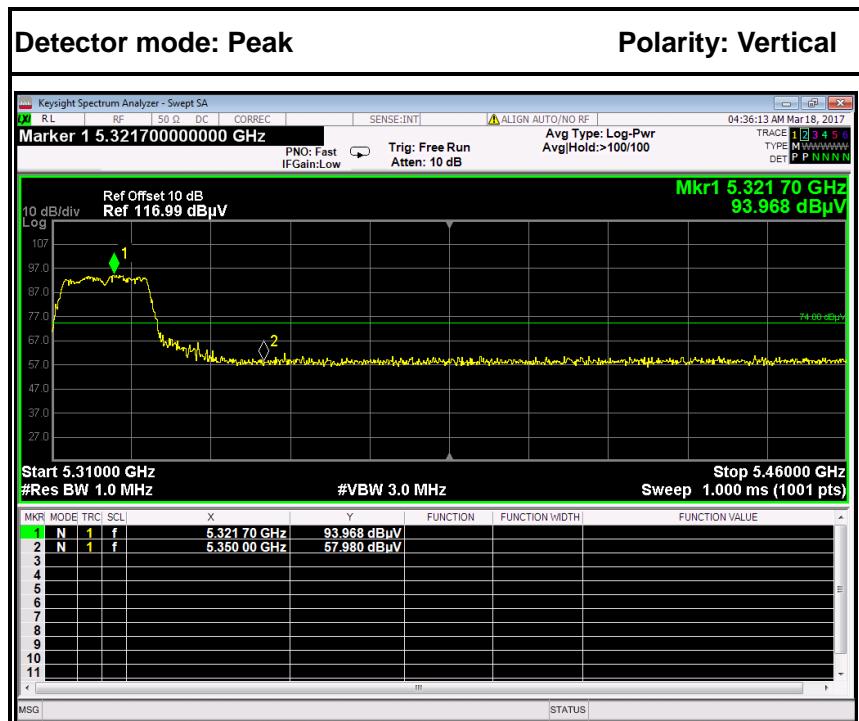
No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5150.0000	65.15	5.60	59.55	74.00	-14.45	Peak	Vertical
2	5150.0000	54.49	5.60	48.89	54.00	-5.11	Average	Vertical



No.	Frequency (MHz)	Reading (dB μ V)	Corrected (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	68.83	5.60	63.23	74.00	-10.77	Peak	Vertical
2	5350.0000	57.25	5.60	51.65	54.00	-2.36	Average	Vertical



IEEE 802.11a mode / 5320MHz



No.	Frequency (MHz)	Reading (dBuV)	Corrected (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Pole
1	5350.0000	63.58	5.60	57.98	74.00	-16.02	Peak	Vertical
2	5350.0000	53.81	5.60	48.21	54.00	-5.79	Average	Vertical