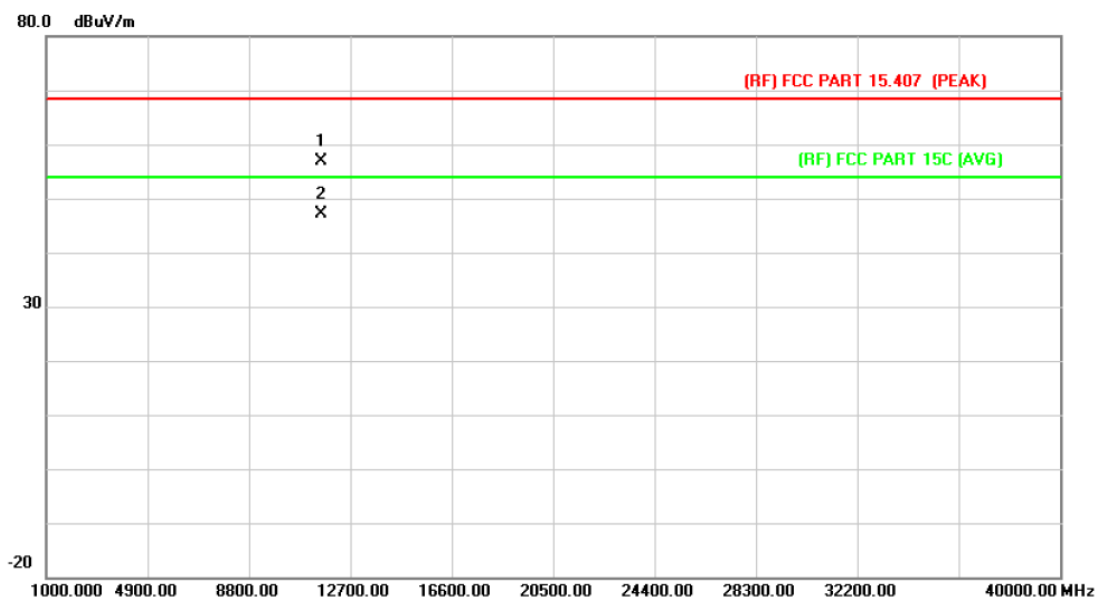


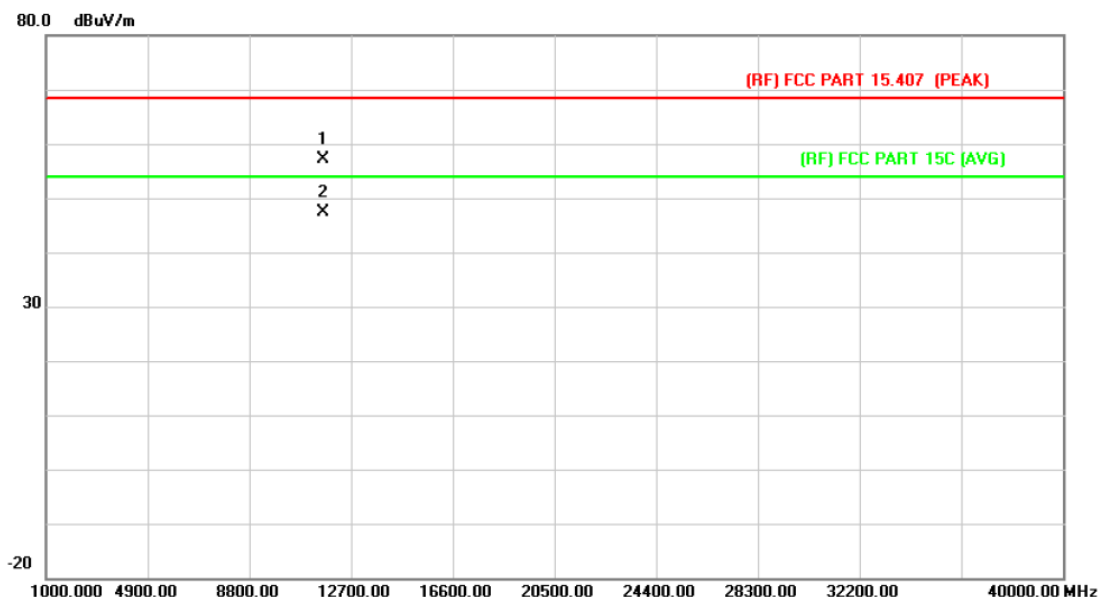
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11570.531	35.02	21.88	56.90	68.30	-11.40	peak
2	*	11570.531	25.19	21.88	47.07	54.00	-6.93	AVG

Emission Level= Read Level+ Correct Factor

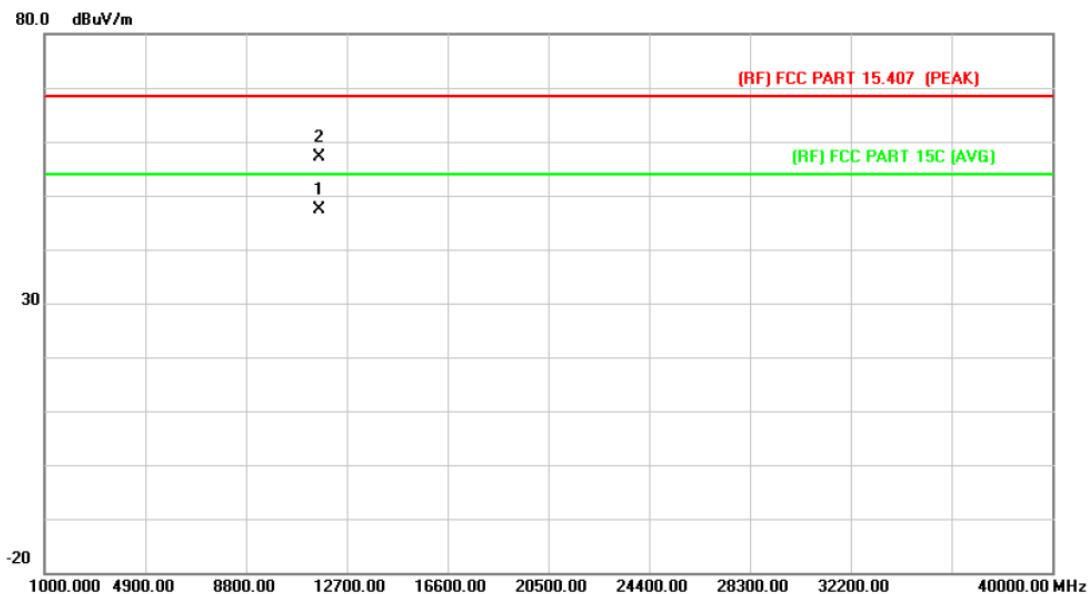
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11650.279	35.13	21.96	57.09	68.30	-11.21	peak
2	*	11650.279	25.39	21.96	47.35	54.00	-6.65	AVG

Emission Level= Read Level+ Correct Factor

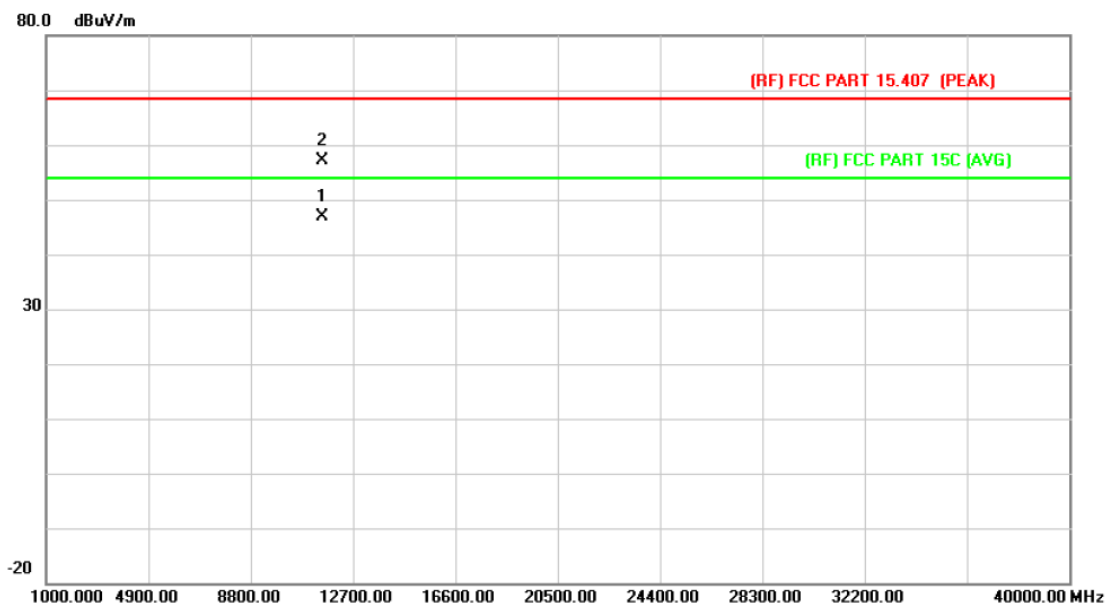
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11650.231	25.39	21.96	47.35	54.00	-6.65	AVG
2		11650.294	35.19	21.96	57.15	68.30	-11.15	peak

Emission Level= Read Level+ Correct Factor

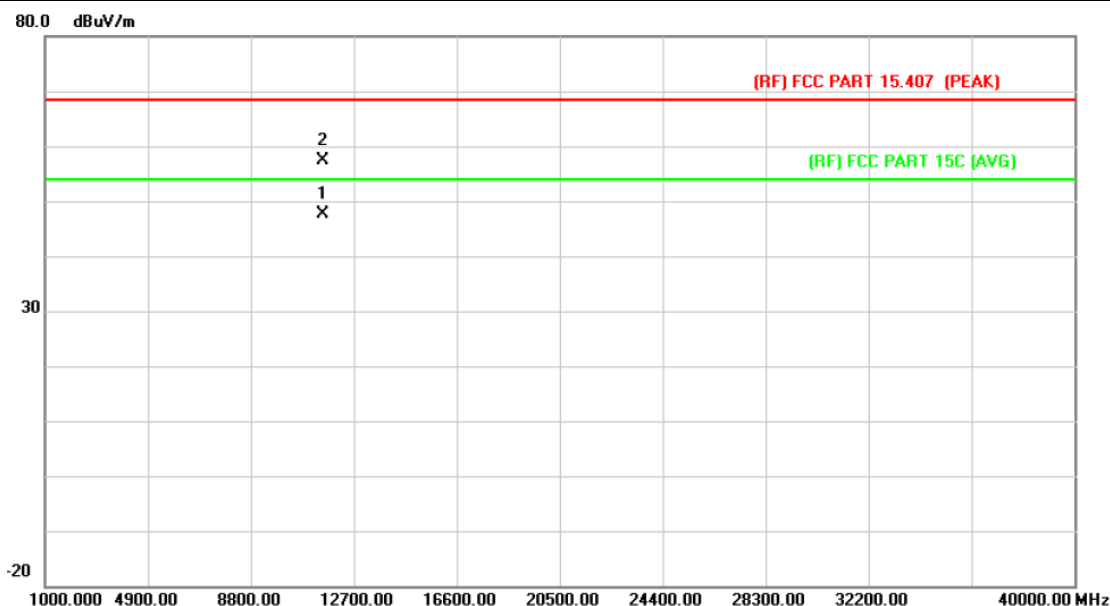
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11510.165	25.13	21.82	46.95	54.00	-7.05	AVG
2		11510.392	35.32	21.82	57.14	68.30	-11.16	peak

Emission Level= Read Level+ Correct Factor

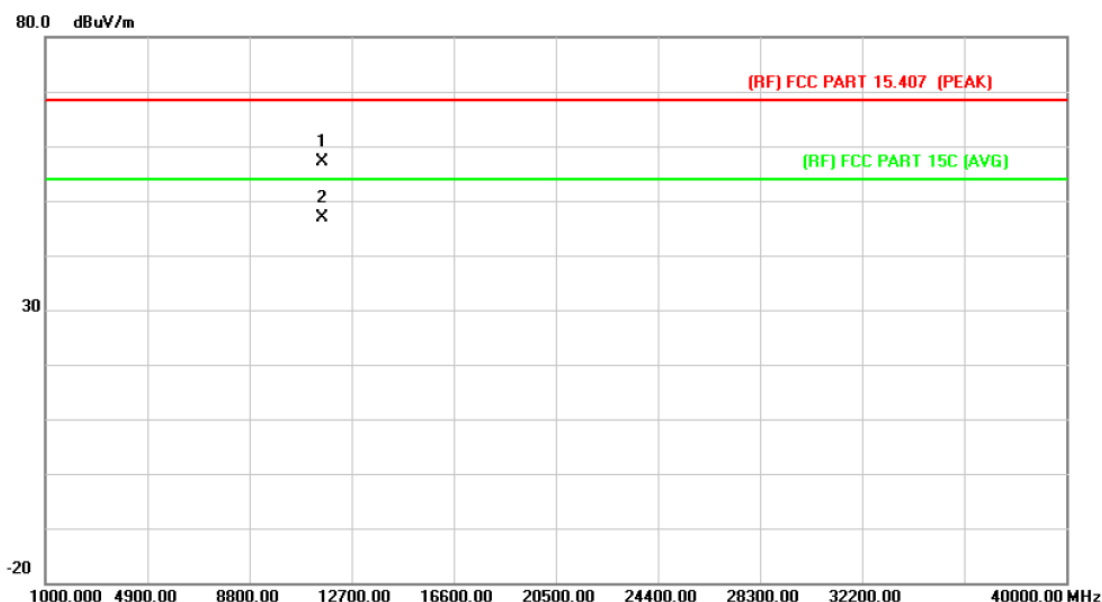
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11510.129	25.90	21.82	47.72	54.00	-6.28	AVG
2		11510.623	35.46	21.82	57.28	68.30	-11.02	peak

Emission Level= Read Level+ Correct Factor

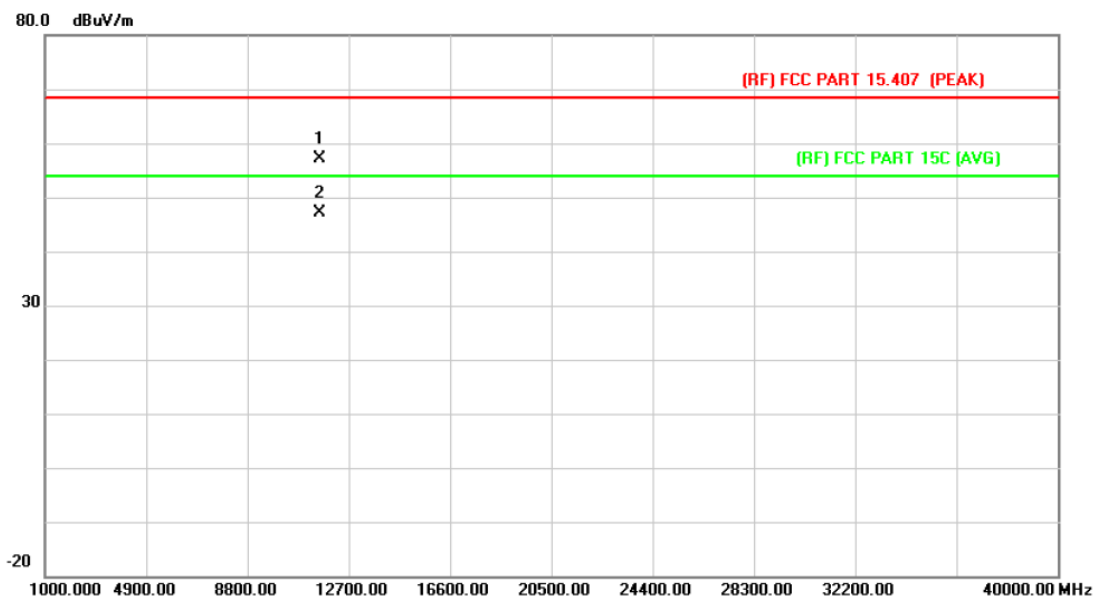
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11590.031	35.12	21.90	57.02	68.30	-11.28	peak
2	*	11590.031	25.10	21.90	47.00	54.00	-7.00	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11590.529	35.26	21.90	57.16	68.30	-11.14	peak
2	*	11590.529	25.12	21.90	47.02	54.00	-6.98	AVG

Emission Level= Read Level+ Correct Factor

Attachment C-- Restricted Bands Requirement and Band-edge Test Data

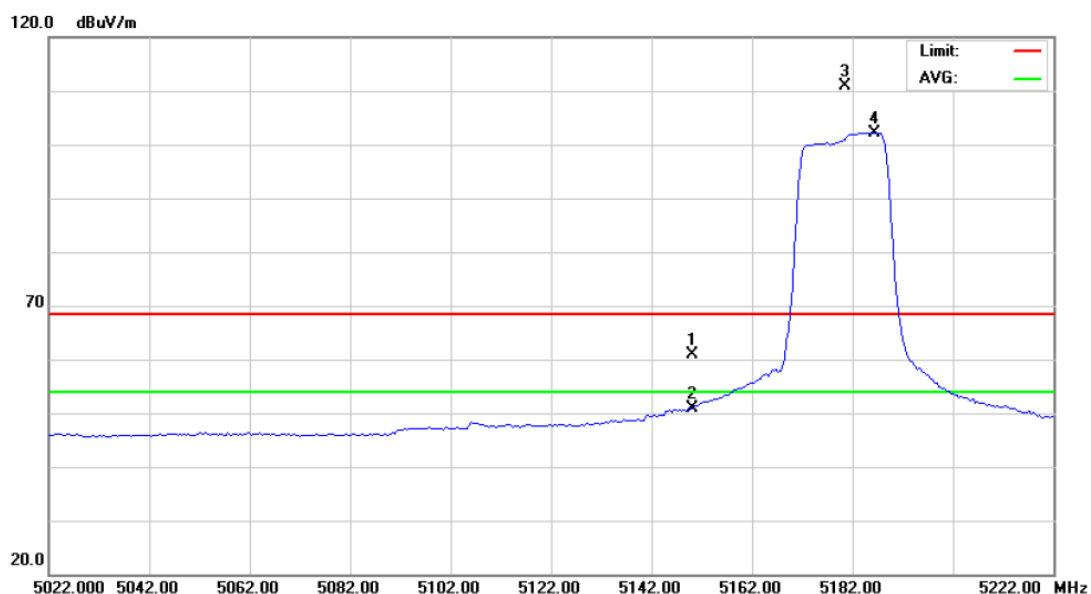
(1) Radiation Test

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5180 MHz (U-NII-1)		
Remark:			

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5150.000	28.77	16.61	45.38	54.00	-8.62	AVG
2		5150.600	38.87	16.61	55.48	68.30	-12.82	peak
3	X	5180.000	84.63	16.65	101.28	Fundamental Frequency		peak
4	*	5183.200	76.19	16.65	92.84	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

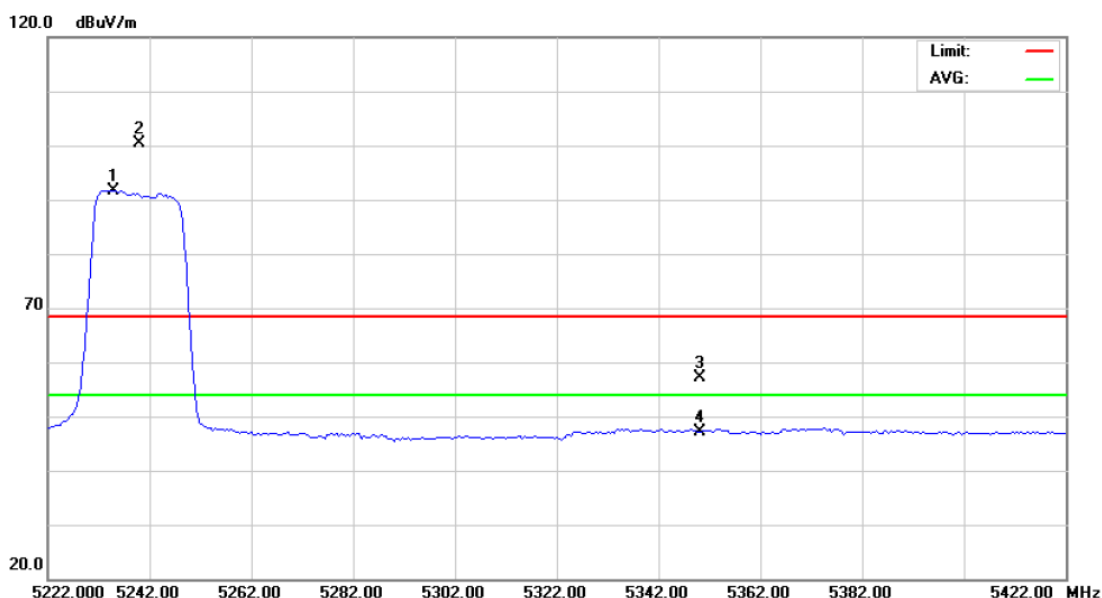
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5180 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5150.000	44.17	16.61	60.78	68.30	-7.52	peak
2		5150.000	34.17	16.61	50.78	54.00	-3.22	AVG
3	X	5180.200	94.32	16.65	110.97	Fundamental Frequency		peak
4	*	5186.400	85.52	16.65	102.17	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

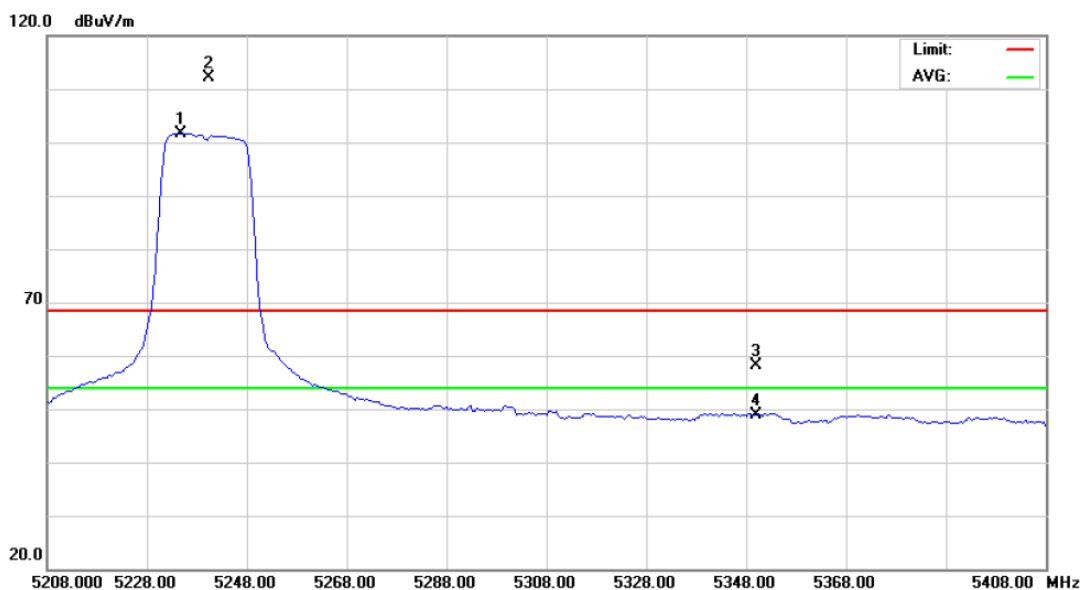
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5240 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5234.800	74.93	16.70	91.63	Fundamental Frequency		AVG
2	X	5240.200	83.55	16.72	100.27	Fundamental Frequency		peak
3		5350.000	40.39	16.83	57.22	68.30	-11.08	peak
4		5350.000	30.39	16.83	47.22	54.00	-6.78	AVG

Emission Level= Read Level+ Correct Factor

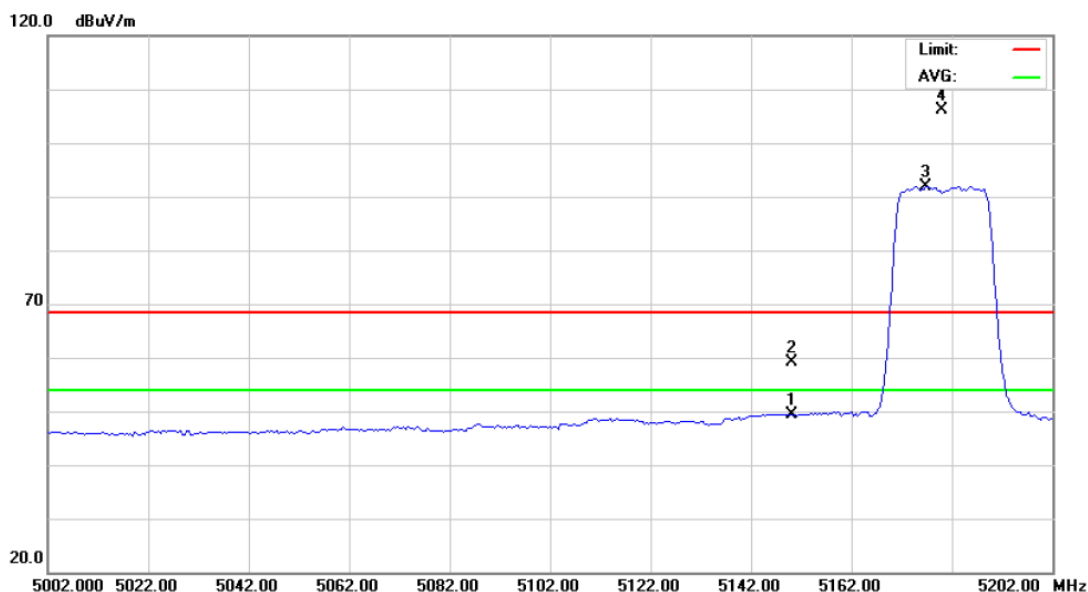
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5240 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5234.800	84.95	16.70	101.65	Fundamental Frequency		AVG
2	X	5240.300	95.31	16.71	112.02	Fundamental Frequency		peak
3		5350.000	41.30	16.83	58.13	68.30	-10.17	peak
4		5350.000	32.14	16.83	48.97	54.00	-5.03	AVG

Emission Level= Read Level+ Correct Factor

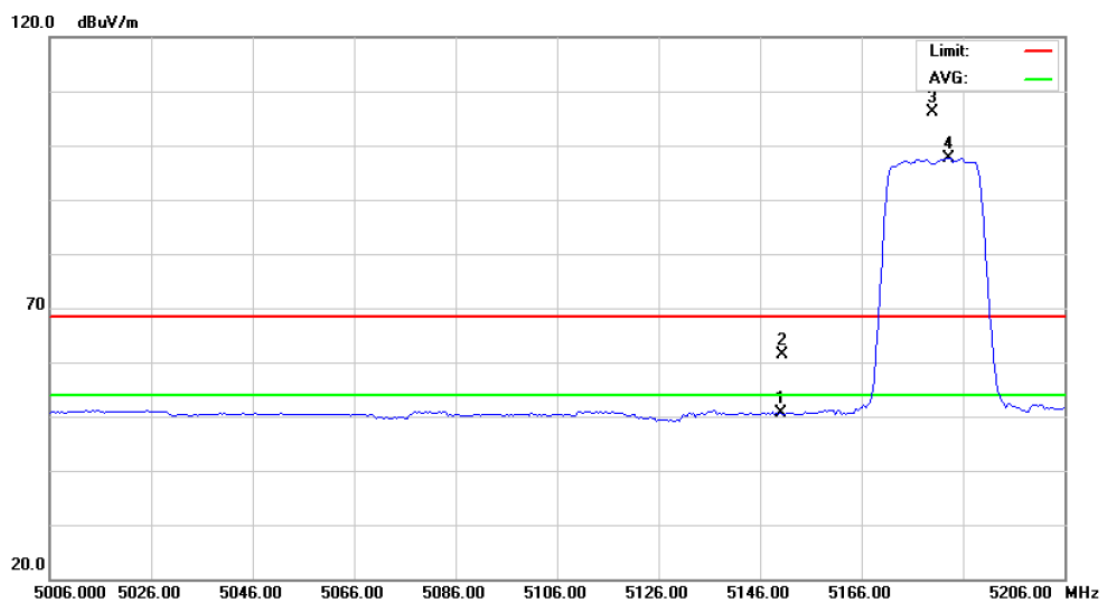
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5180 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5150.000	32.70	16.61	49.31	54.00	-4.69	AVG
2		5150.300	42.61	16.61	59.22	68.30	-9.08	peak
3	*	5176.800	75.22	16.64	91.86	Fundamental Frequency		AVG
4	X	5180.000	89.44	16.65	106.09	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

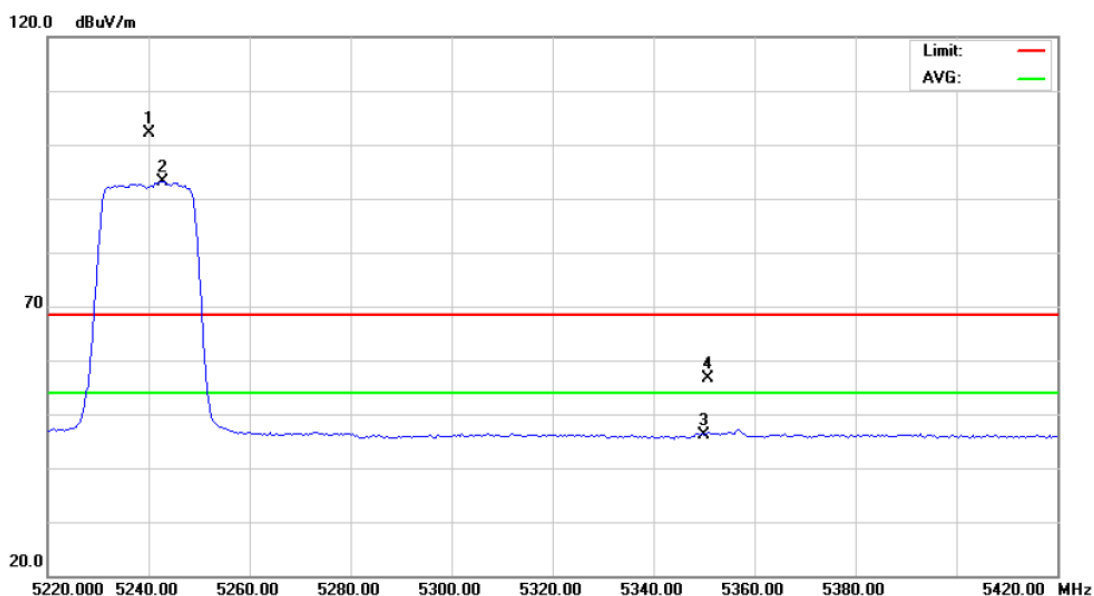
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5180 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5150.000	33.94	16.61	50.55	54.00	-3.45	AVG
2		5150.600	44.80	16.61	61.41	68.30	-6.89	peak
3	X	5180.000	89.41	16.65	106.06	Fundamental Frequency		peak
4	*	5183.200	80.98	16.65	97.63	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

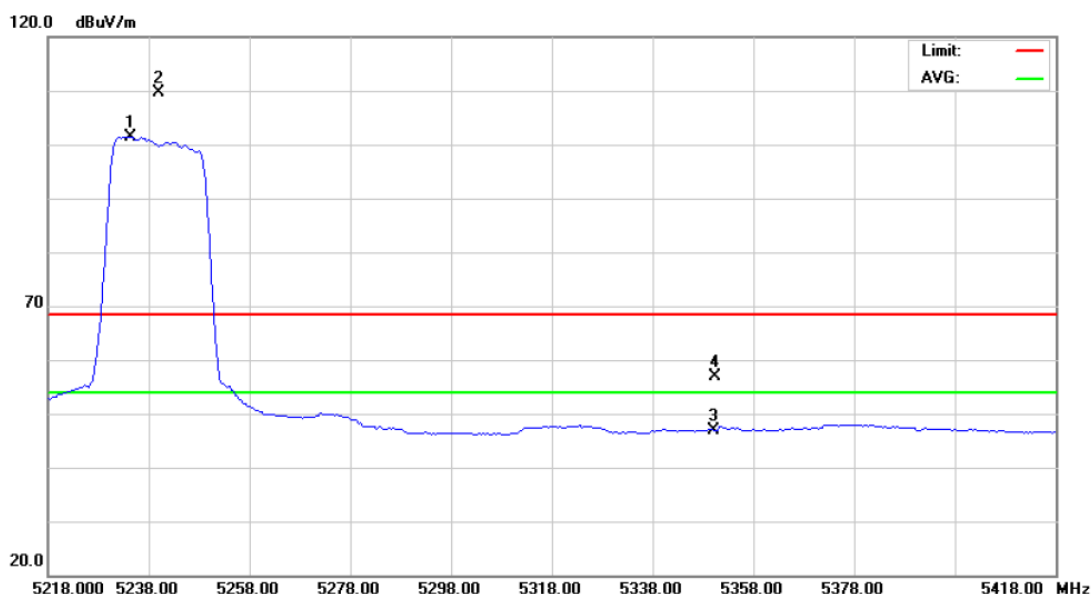
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5240 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	X	5240.000	85.31	16.72	102.03			Fundamental Frequency peak
2	*	5242.800	76.37	16.72	93.09			Fundamental Frequency AVG
3		5350.000	29.29	16.83	46.12	54.00	-7.88	AVG
4		5350.500	39.70	16.83	56.53	68.30	-11.77	peak

Emission Level= Read Level+ Correct Factor

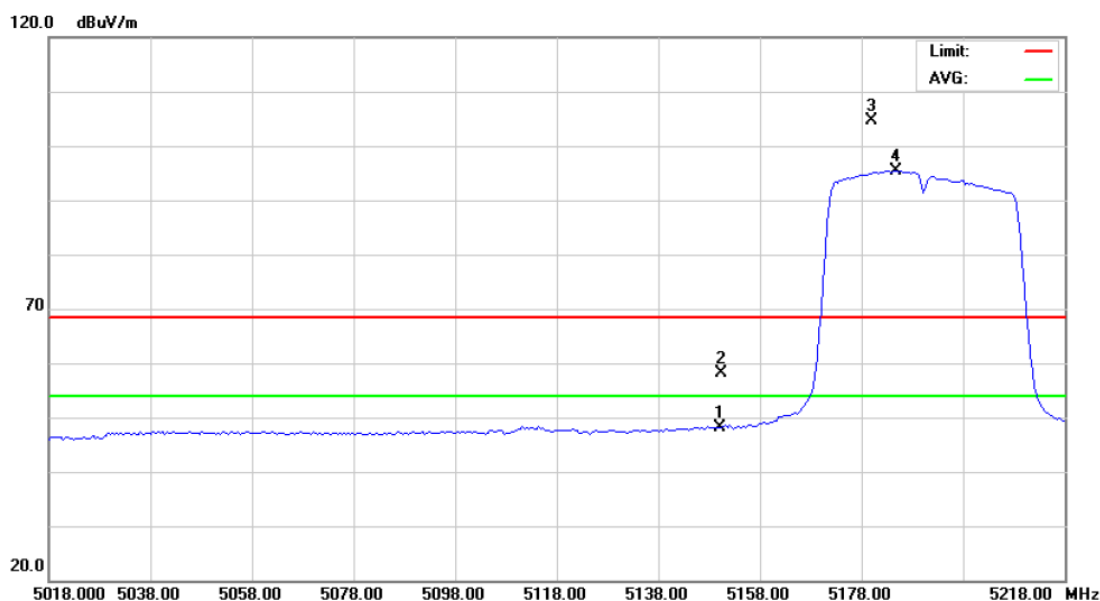
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5240 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5234.400	84.79	16.70	101.49	Fundamental Frequency		AVG
2	X	5240.000	92.97	16.71	109.68	Fundamental Frequency		peak
3		5350.000	30.08	16.83	46.91	54.00	-7.09	AVG
4		5350.200	40.16	16.83	56.99	68.30	-11.31	peak

Emission Level= Read Level+ Correct Factor

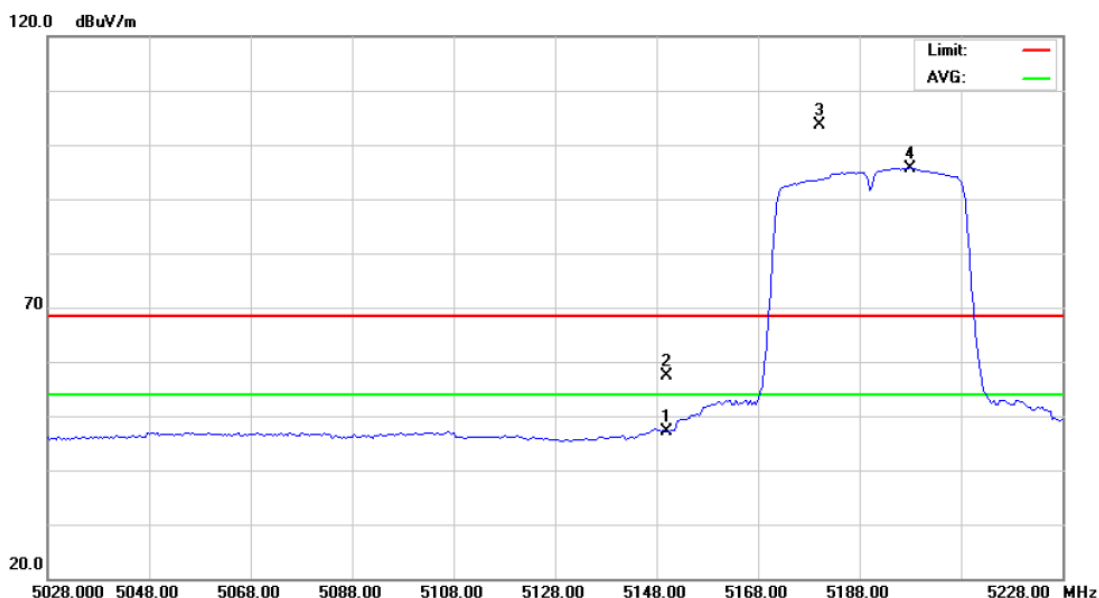
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5190 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5150.000	31.47	16.61	48.08	54.00	-5.92	AVG
2		5150.200	41.50	16.61	58.11	68.30	-10.19	peak
3	X	5180.000	87.87	16.65	104.52	Fundamental Frequency		peak
4	*	5184.800	78.67	16.65	95.32	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

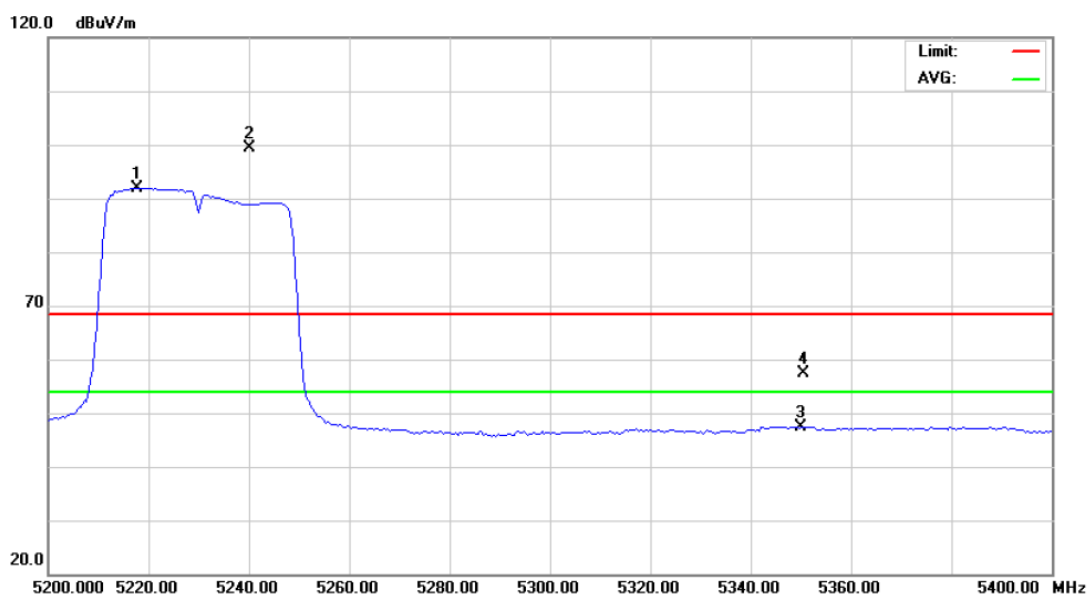
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5190 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5150.000	30.58	16.61	47.19	54.00	-6.81	AVG
2		5150.200	40.68	16.61	57.29	68.30	-11.01	peak
3	X	5180.000	86.91	16.65	103.56	Fundamental Frequency		peak
4	*	5198.000	79.08	16.67	95.75	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

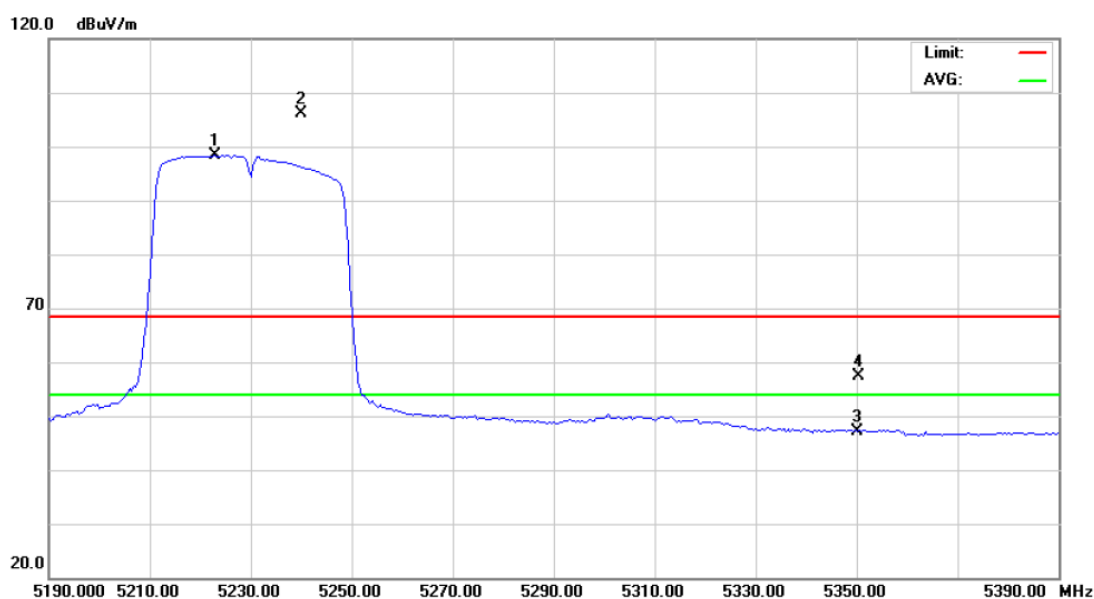
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5230 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5217.600	75.30	16.68	91.98	Fundamental Frequency		AVG
2	X	5240.000	82.57	16.72	99.29	Fundamental Frequency		peak
3		5350.000	30.55	16.83	47.38	54.00	-6.62	AVG
4		5350.300	40.57	16.83	57.40	68.30	-10.90	peak

Emission Level= Read Level+ Correct Factor

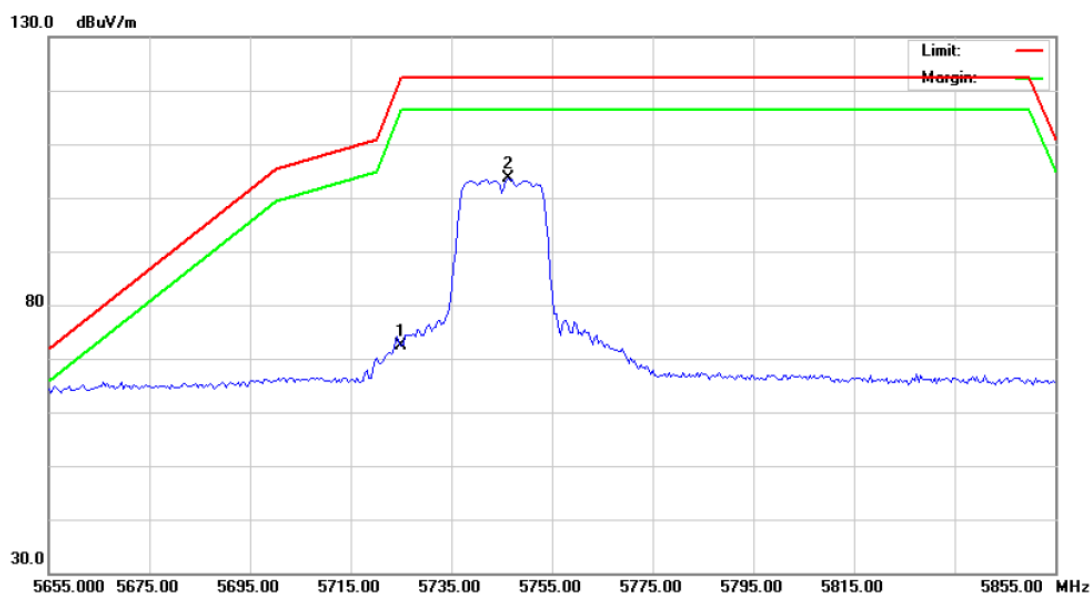
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5230 MHz (U-NII-1)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5222.800	81.63	16.69	98.32	Fundamental Frequency		AVG
2	X	5240.000	89.51	16.72	106.23	Fundamental Frequency		peak
3		5350.000	30.34	16.83	47.17	54.00	-6.83	AVG
4		5350.200	40.53	16.83	57.36	68.30	-10.94	peak

Emission Level= Read Level+ Correct Factor

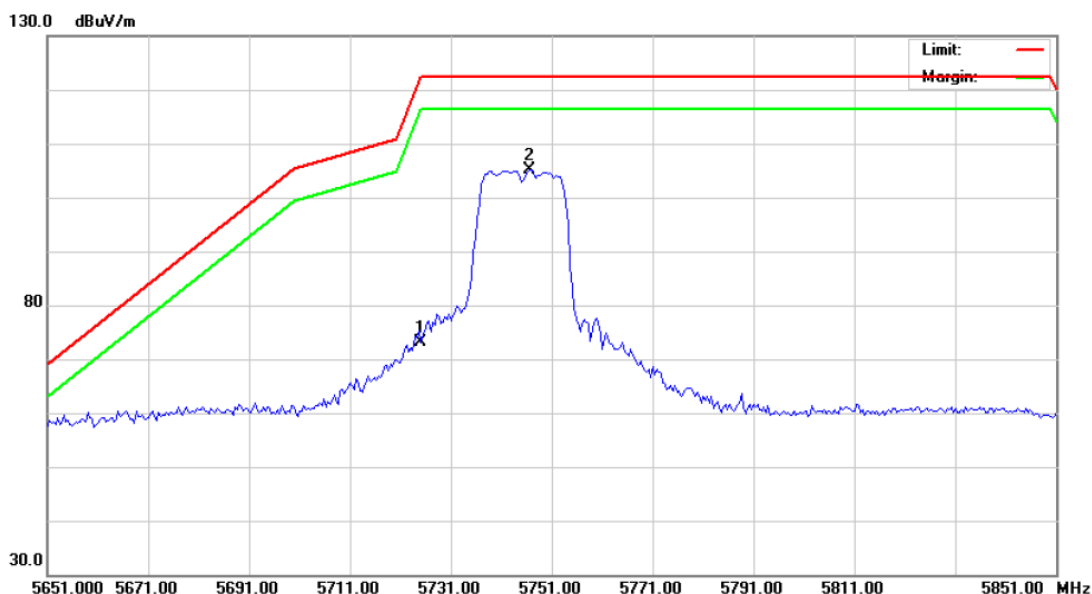
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5745 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		5725.000	54.57	17.82	72.39	122.3	-49.91	peak
2	*	5746.200	85.77	17.90	103.67	122.3	-18.63	peak

Emission Level= Read Level+ Correct Factor

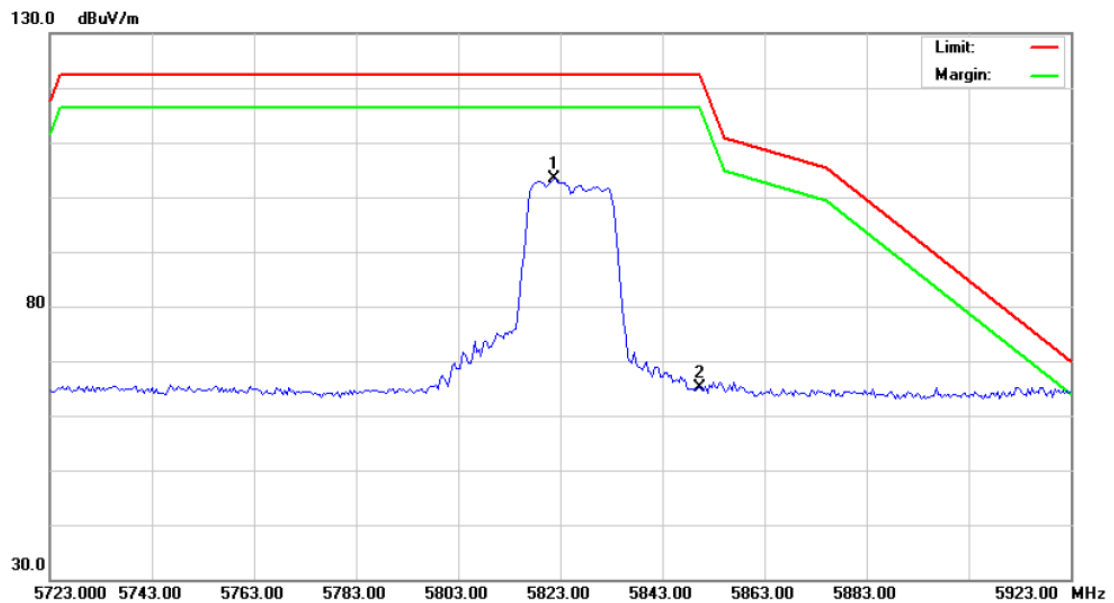
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5745 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	55.35	17.82	73.17	122.3	-49.13	peak
2	*	5746.600	87.17	17.90	105.07	122.3	-17.23	peak

Emission Level= Read Level+ Correct Factor

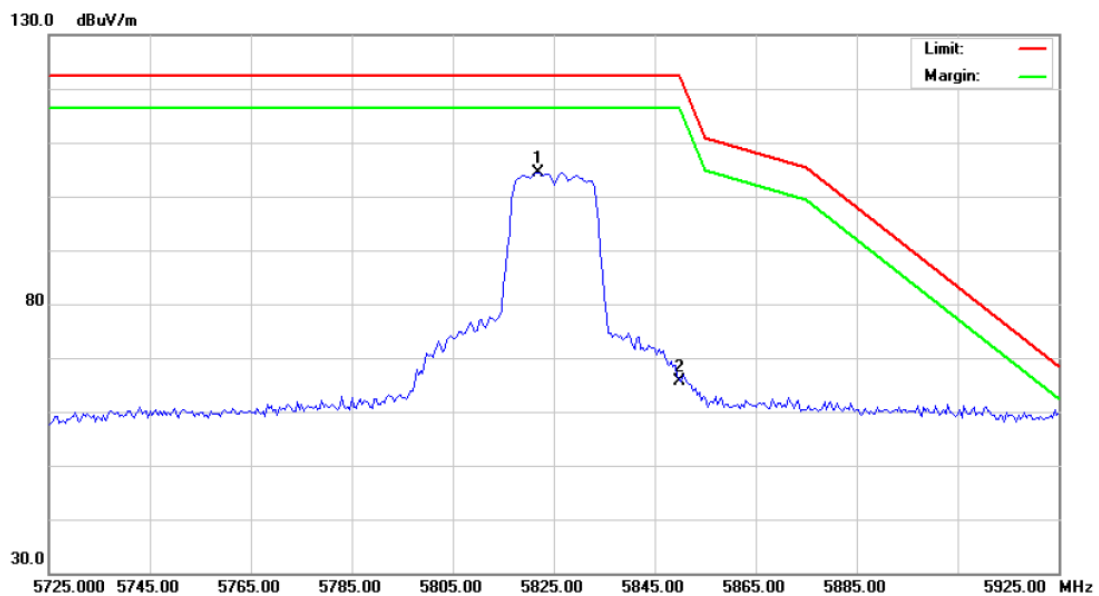
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5825 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB
1	*	5821.800	85.09	18.17	103.26	122.3	-19.04
2		5850.000	46.97	18.28	65.25	122.3	-57.05

Emission Level= Read Level+ Correct Factor

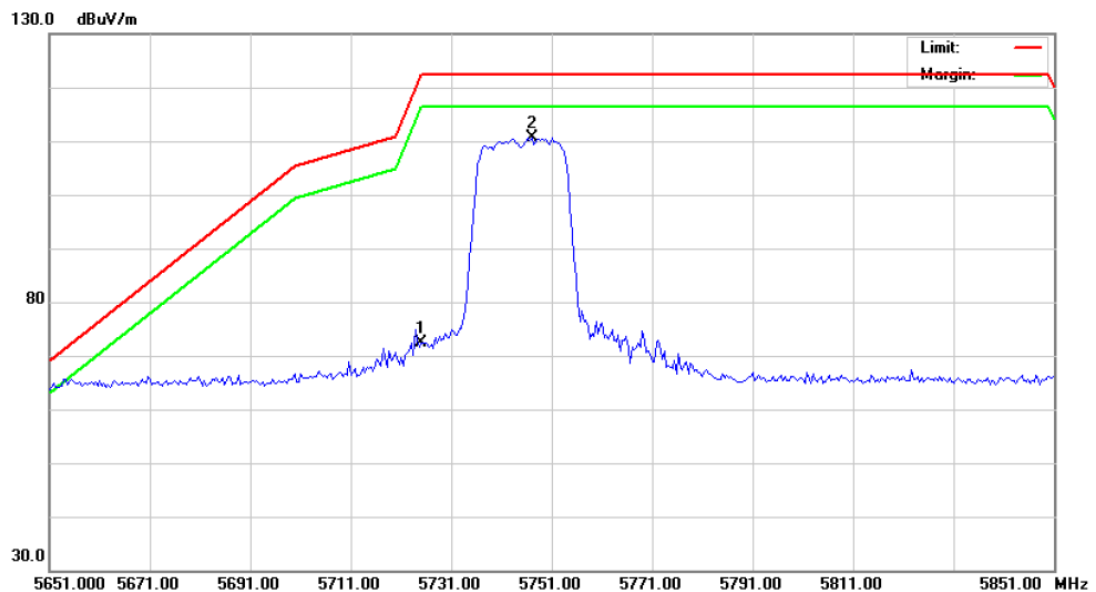
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5825 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5821.800	86.12	18.17	104.29	122.3	-18.01	peak
2		5850.000	47.29	18.28	65.57	122.3	-56.73	peak

Emission Level= Read Level+ Correct Factor

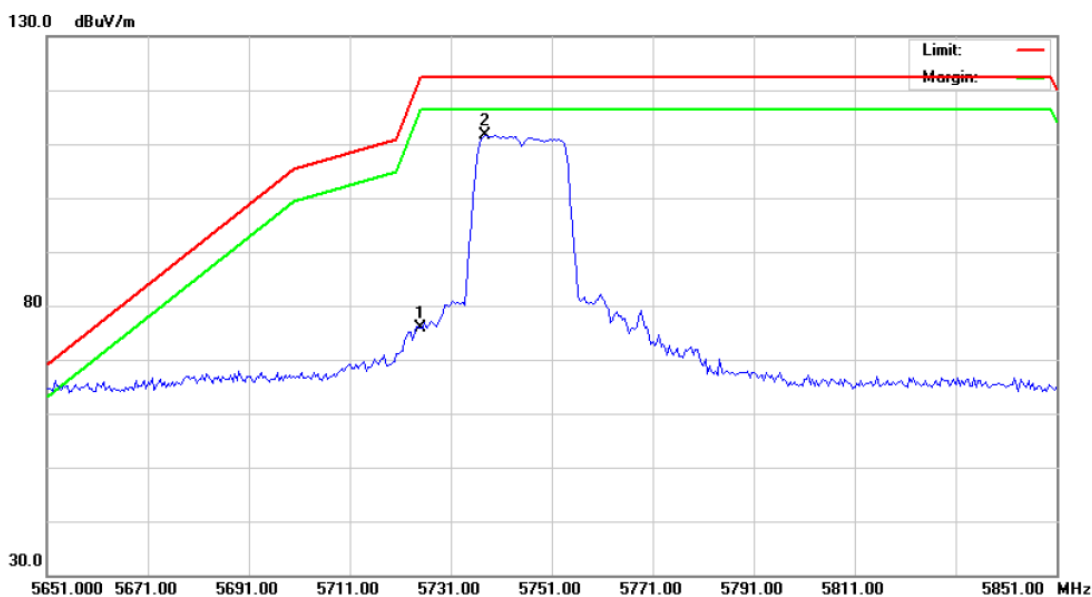
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5745 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	54.63	17.82	72.45	122.3	-49.85	peak
2	*	5747.000	92.80	17.90	110.70	122.3	-11.60	peak

Emission Level= Read Level+ Correct Factor

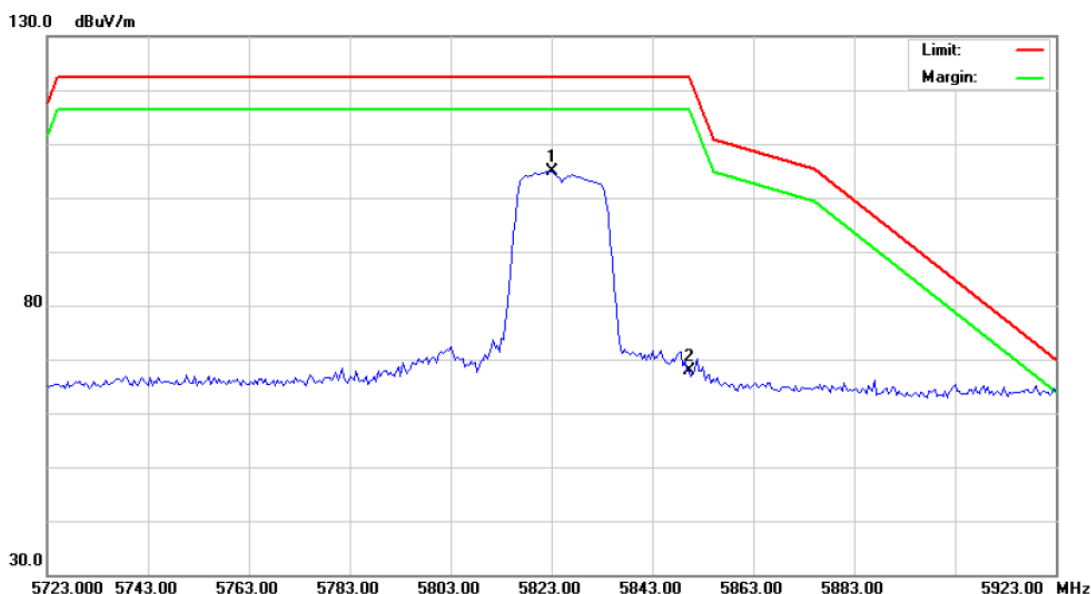
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5745 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		5725.000	57.99	17.82	75.81	122.3	-46.49	peak
2	*	5737.800	93.81	17.87	111.68	122.3	-10.62	peak

Emission Level= Read Level+ Correct Factor

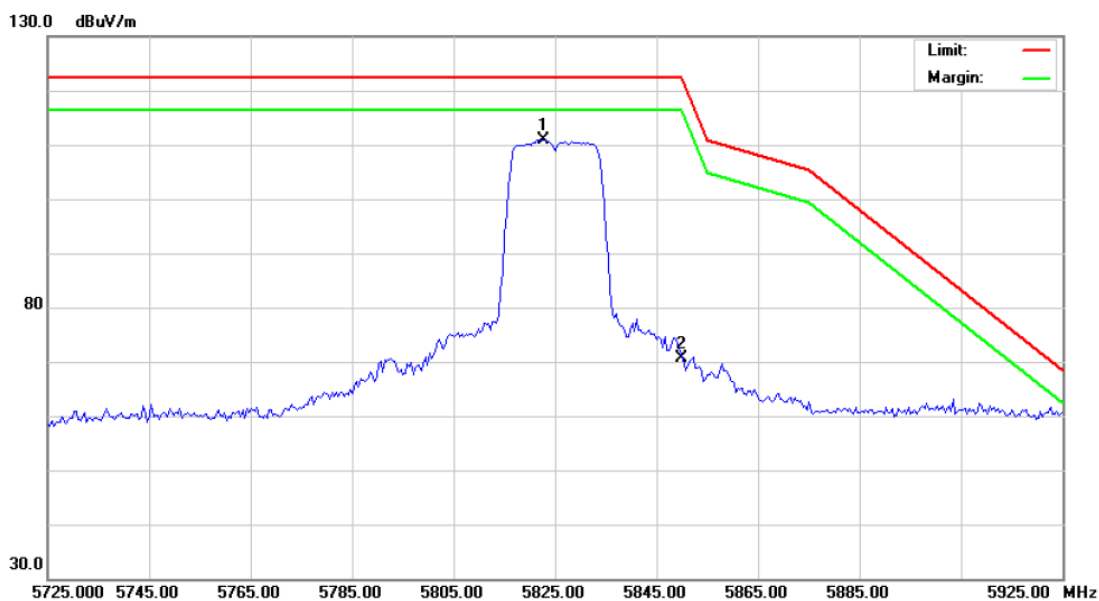
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5825 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5823.000	86.71	18.18	104.89	122.3	-17.41	peak
2		5850.000	49.56	18.28	67.84	122.3	-54.46	peak

Emission Level= Read Level+ Correct Factor

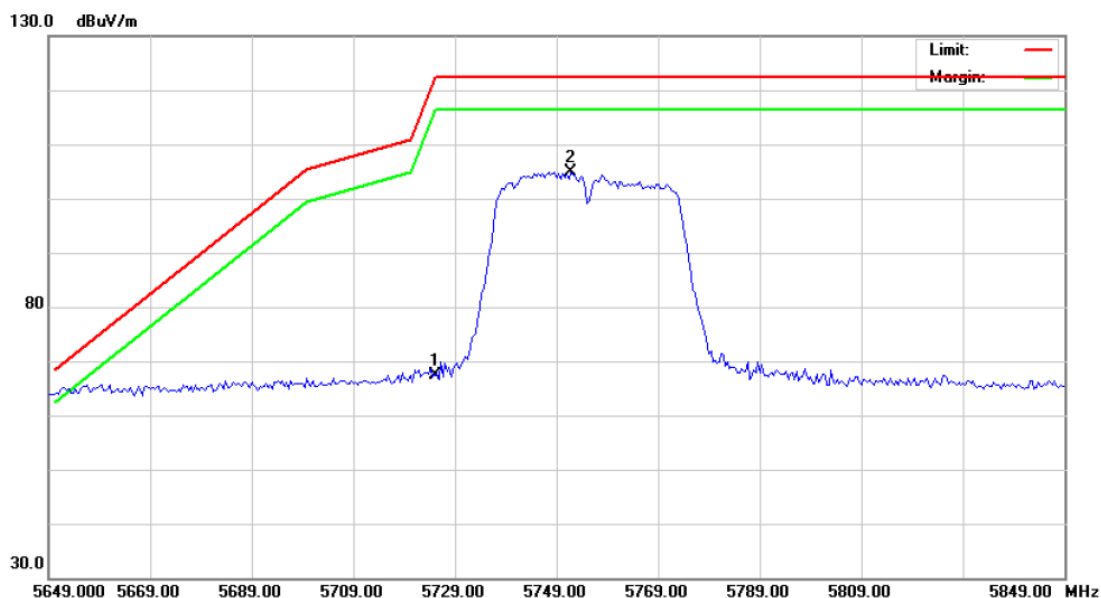
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5825 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	5822.600	92.69	18.17	110.86	122.3	-11.44	peak
2		5850.000	52.27	18.28	70.55	122.3	-51.75	peak

Emission Level= Read Level+ Correct Factor

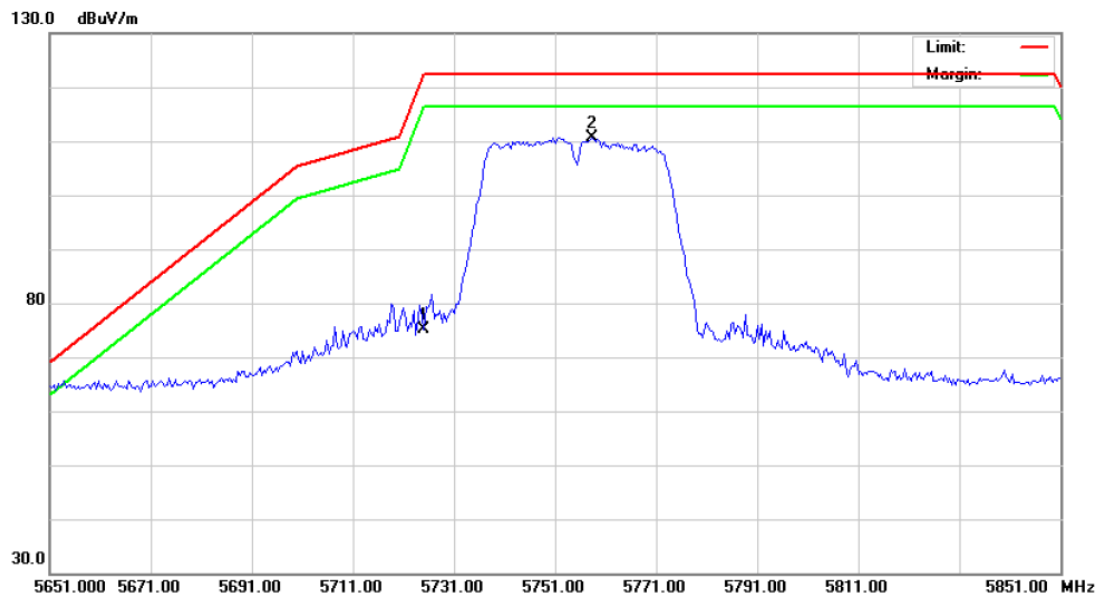
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5755 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		5725.000	49.63	17.82	67.45	122.3	-54.85	peak
2	*	5751.800	86.98	17.92	104.90	122.3	-17.40	peak

Emission Level= Read Level+ Correct Factor

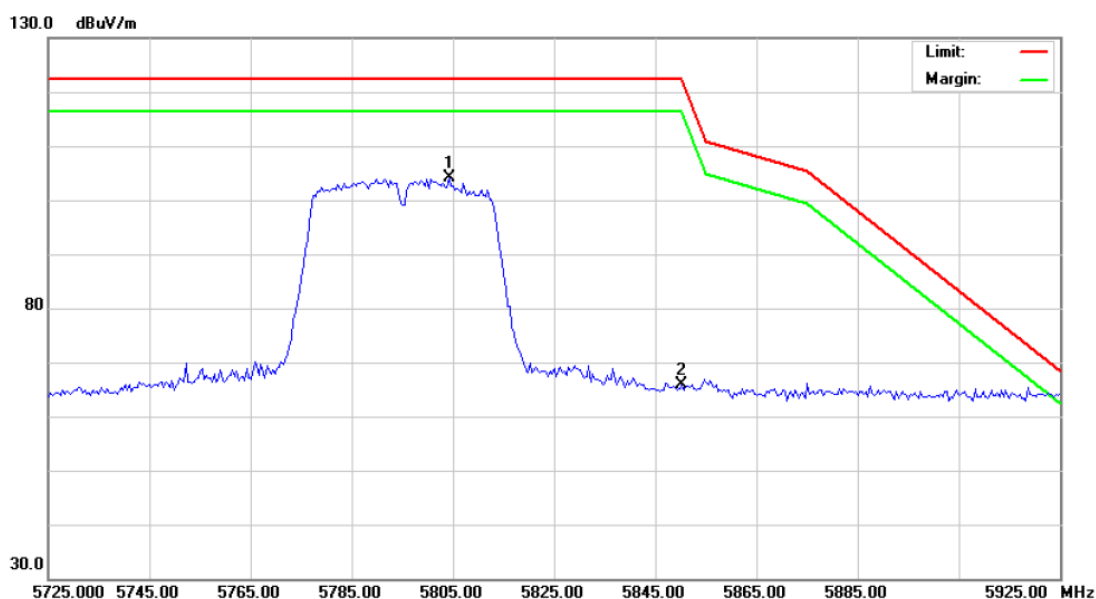
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5755 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	57.42	17.82	75.24	122.3	-47.06	peak
2	*	5758.200	92.75	17.93	110.68	122.3	-11.62	peak

Emission Level= Read Level+ Correct Factor

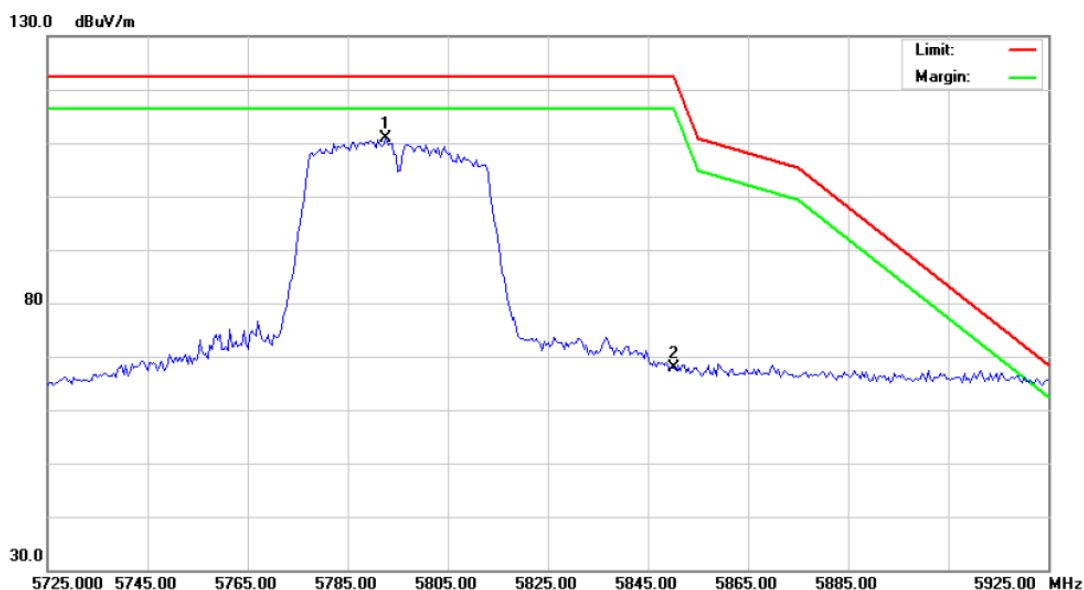
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5795 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5804.200	85.96	18.11	104.07	122.3	-18.23	peak
2		5850.000	47.48	18.28	65.76	122.3	-56.54	peak

Emission Level= Read Level+ Correct Factor

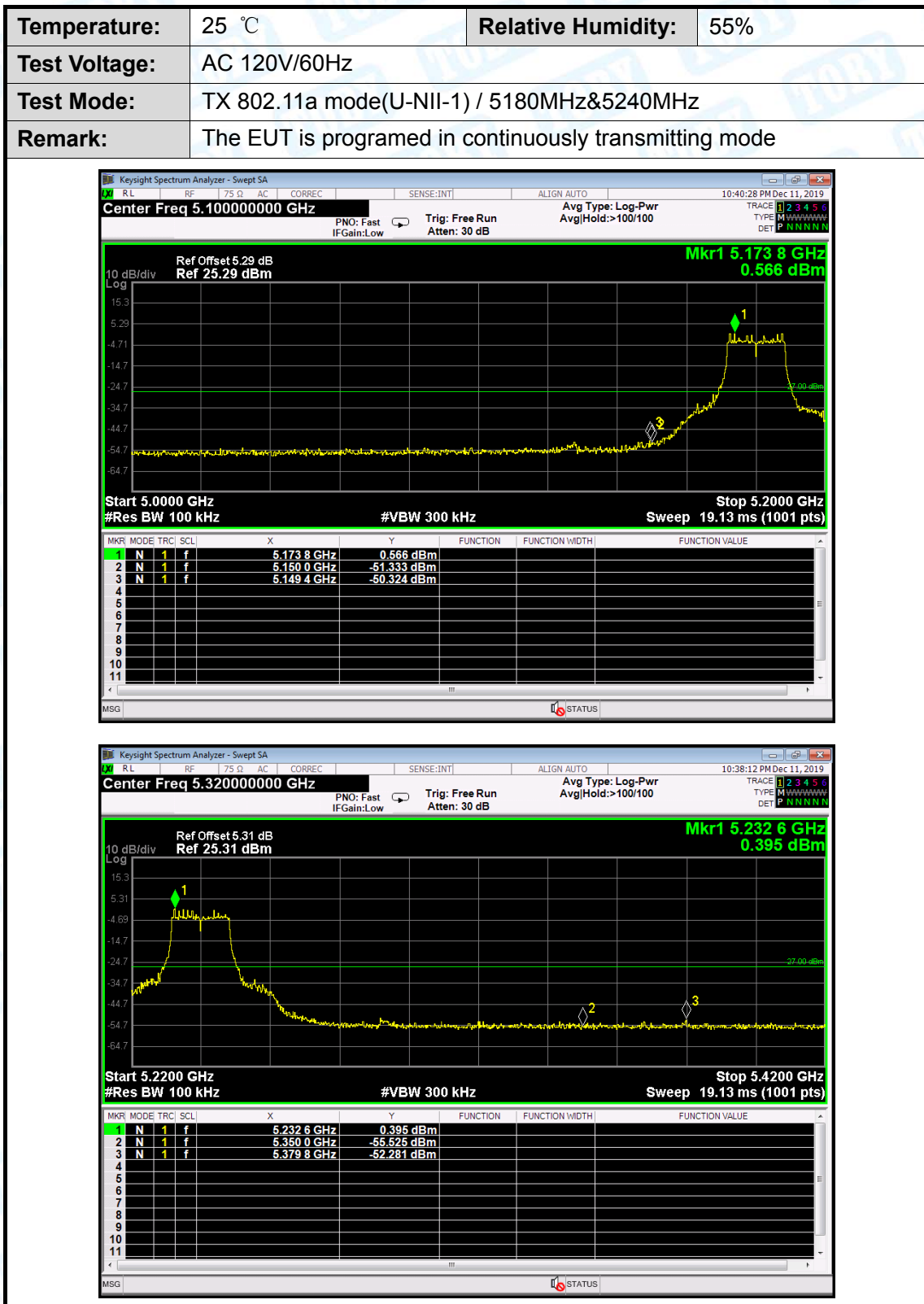
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5795 MHz (U-NII-3)		
Remark:			



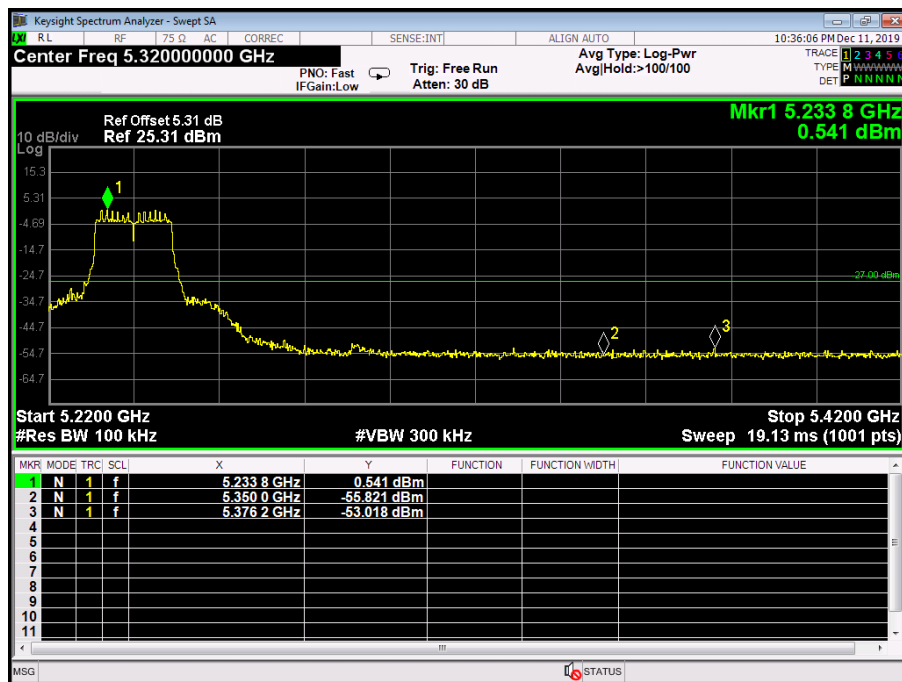
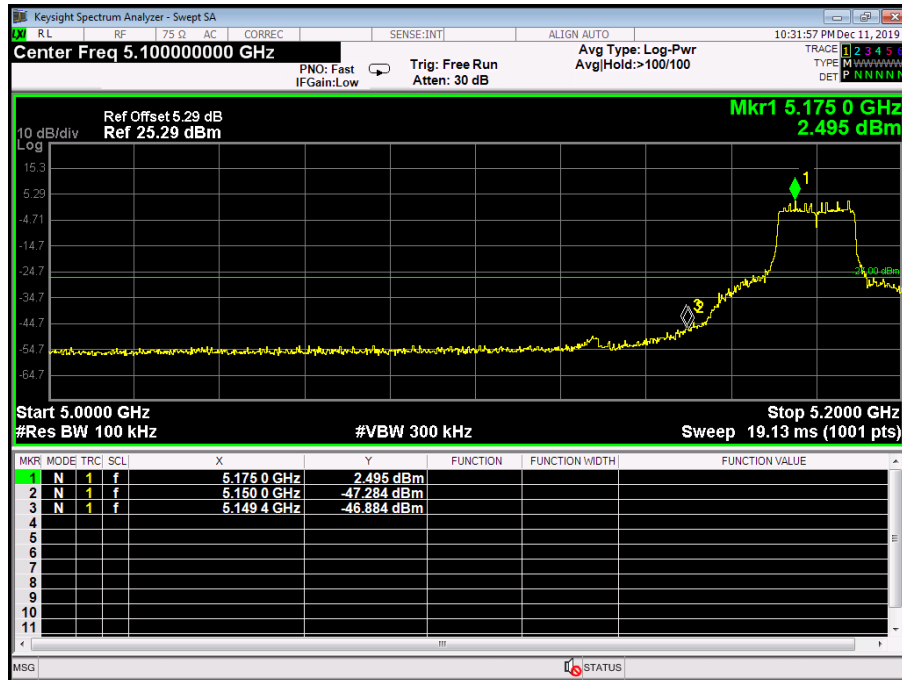
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	5792.600	92.70	18.07	110.77	122.3	-11.53	peak
2		5850.000	49.50	18.28	67.78	122.3	-54.52	peak

Emission Level= Read Level+ Correct Factor

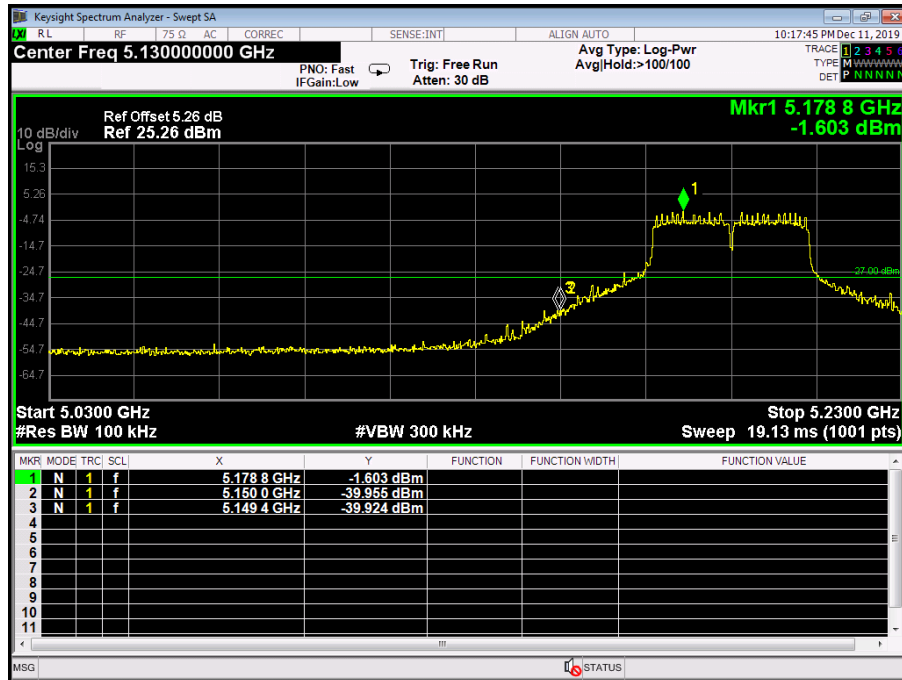
(2) Conducted Test



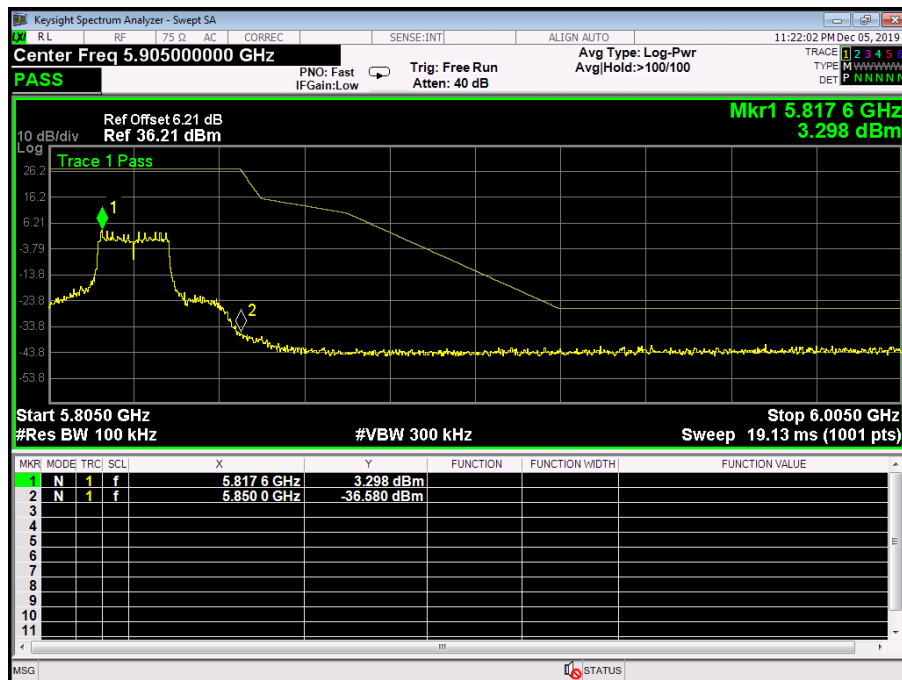
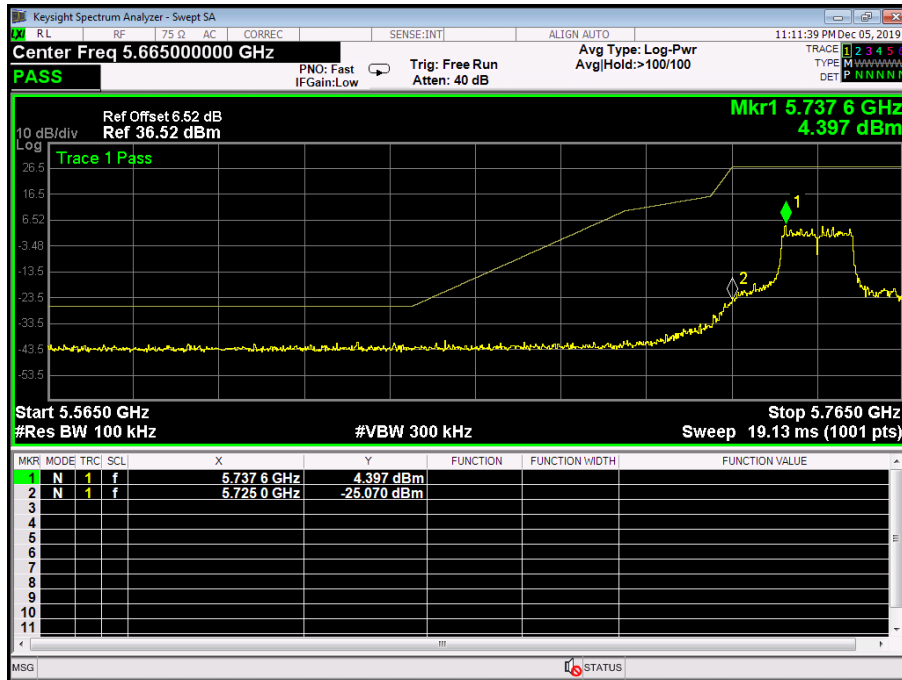
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) mode(U-NII-1) / 5180MHz&5240MHz		
Remark:	The EUT is programed in continuously transmitting mode		



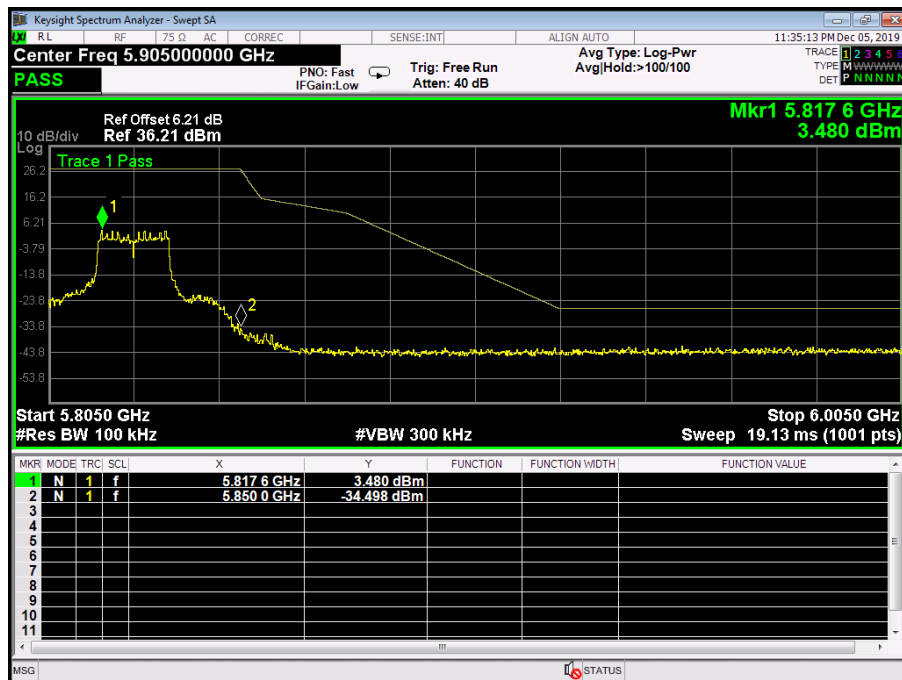
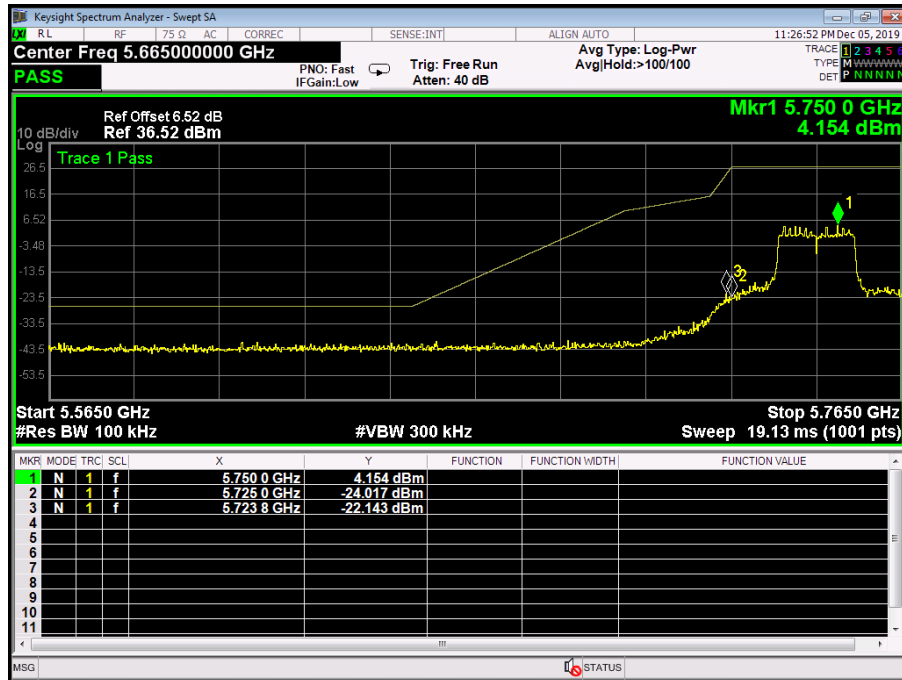
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT40) mode(U-NII-1) / 5190MHz&5230MHz		
Remark:	The EUT is programed in continuously transmitting mode		



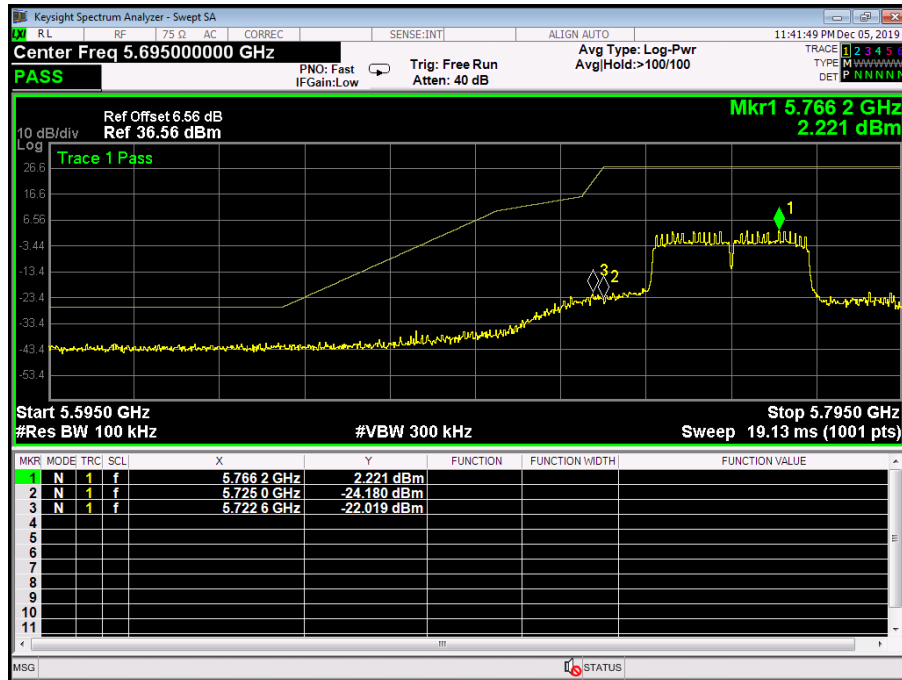
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode 5745MHz /5825MHz (U-NII-3)		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode 5745MHz /5825MHz (U-NII-3)		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 n(HT40) Mode 5755MHz/5795 (U-NII-3)		
Remark:	The EUT is programed in continuously transmitting mode		



Attachment D--Bandwidth Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	22.43	17.328
40	5200	22.66	17.179
48	5240	21.96	17.236

802.11a Mode

5180 MHz

Keysight Spectrum Analyzer - Occupied BW

RLRF75ΩACCORRECSENSE:INTALIGN: AUTO

Center Freq 5.180000000 GHz

Center Freq: 5.180000000 GHz

Trig: Free Run

#Atten: 30 dB

Radio Std: None

10:39:57 PM Dec 11, 2019

Avg/Hold: >10/10

Radio Device: BTS

#IF Gain: Low

10 dB/div

Ref 10.00 dBm

Log

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

-80.0

Center 5.18 GHz

#Res BW 430 kHz

#VBW 1.2 MHz

Span 40 MHz

Sweep 1.333 ms

Occupied Bandwidth

17.328 MHz

Total Power

11.9 dBm

Transmit Freq Error

7.883 kHz

% of OBW Power

99.00 %

x dB Bandwidth

22.43 MHz

x dB

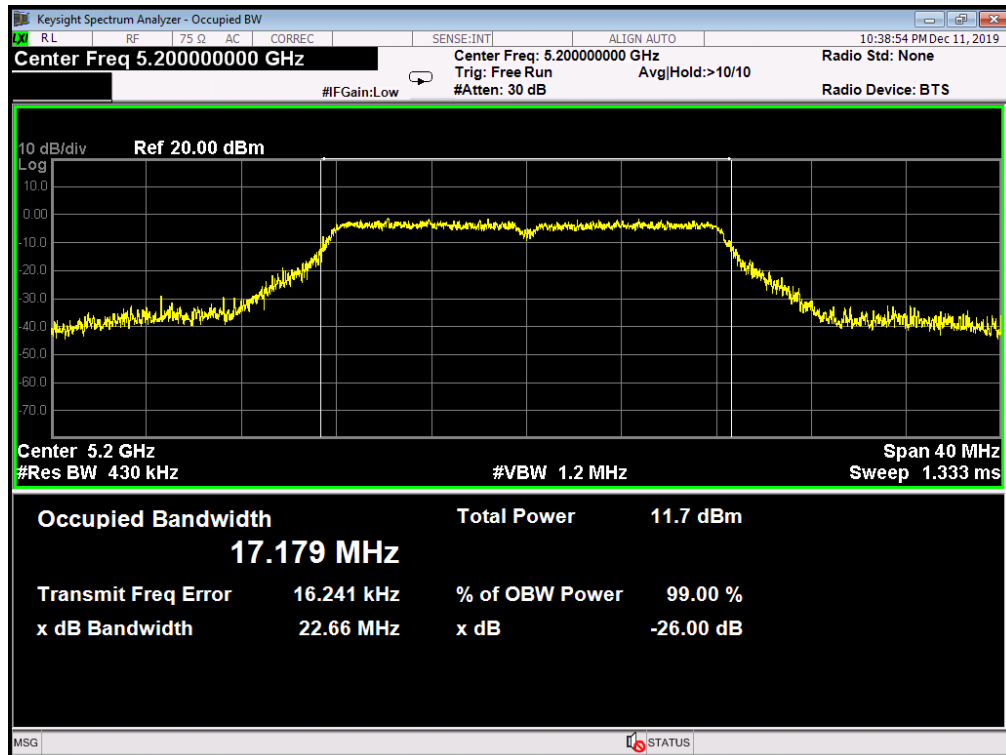
-26.00 dB

MSG

STATUS

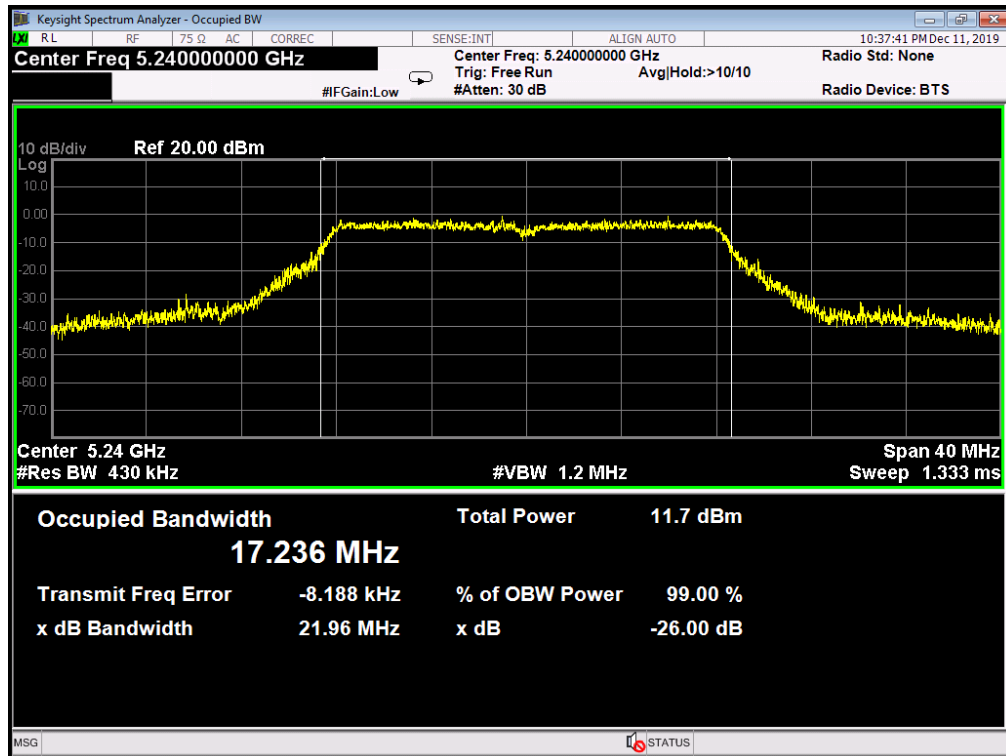
802.11a Mode

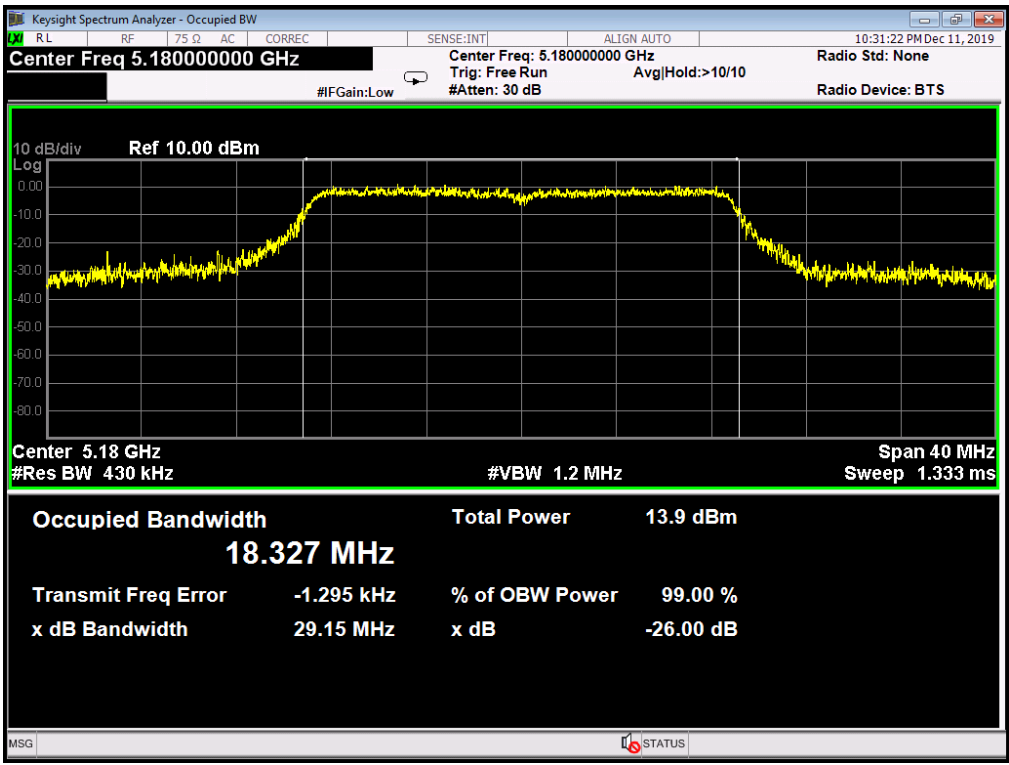
5200 MHz



802.11a Mode

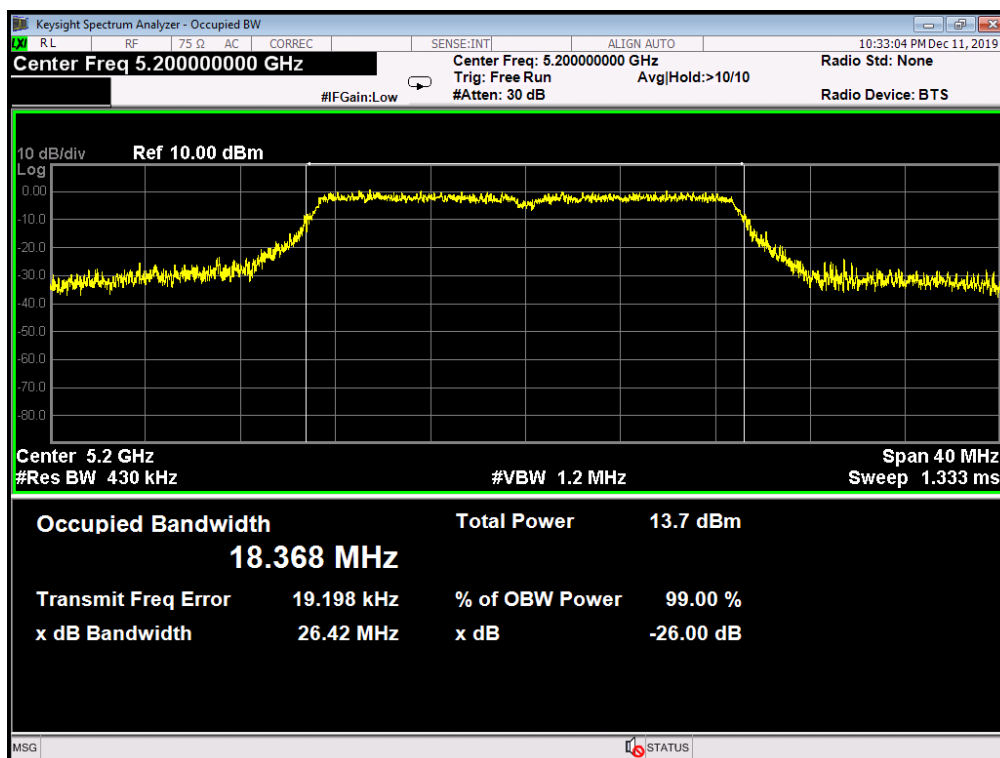
5240 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	29.15	18.327
40	5200	26.42	18.368
48	5240	23.01	18.217
802.11n(HT20) Mode			
5180 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.18000000 GHz Center Freq: 5.18000000 GHz Trig: Free Run #Attenu: 30 dB Radio Std: None Radio Device: BTS 10 dB/div Ref 10.00 dBm Center 5.18 GHz #Res BW 430 kHz #VBW 1.2 MHz Span 40 MHz Sweep 1.333 ms Occupied Bandwidth 18.327 MHz Total Power 13.9 dBm Transmit Freq Error -1.295 kHz % of OBW Power 99.00 % x dB Bandwidth 29.15 MHz x dB -26.00 dB			

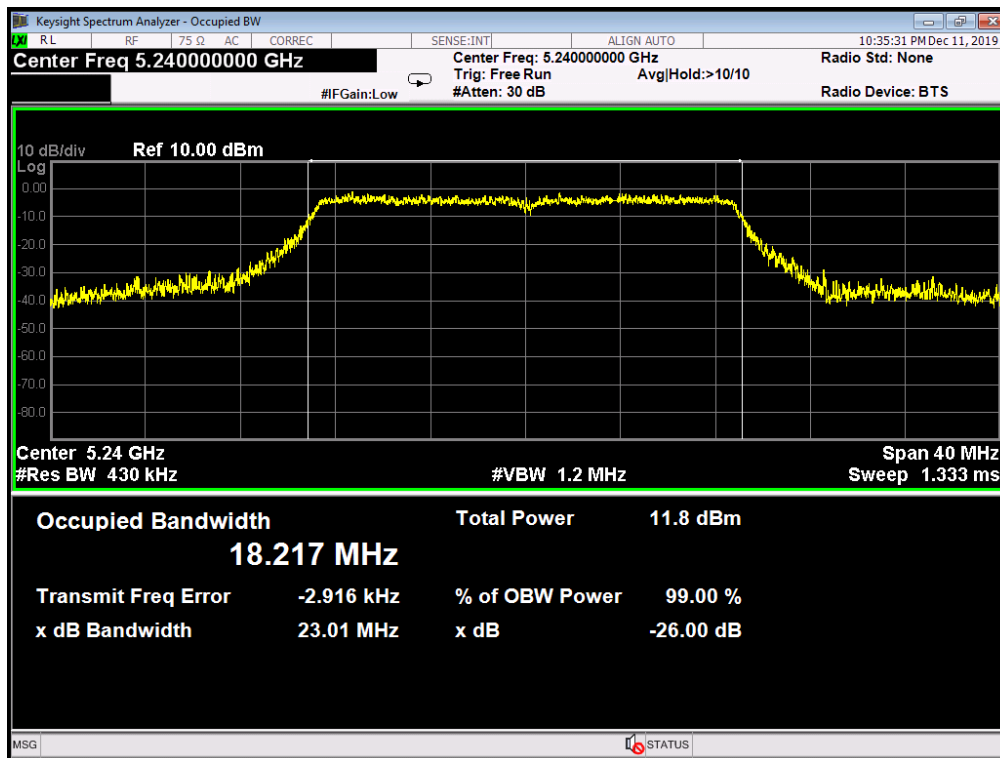
802.11n(HT20) Mode

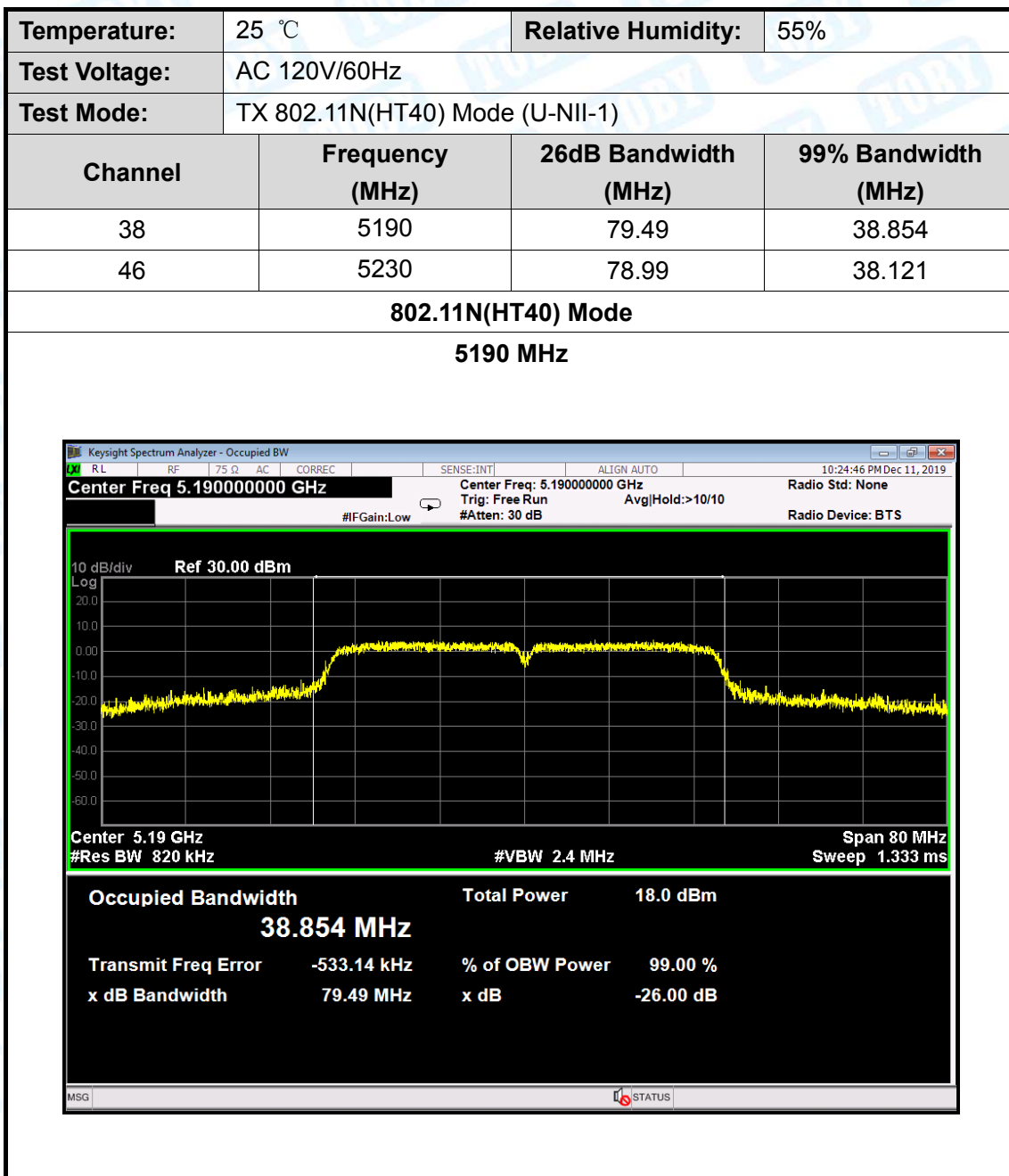
5200 MHz



802.11n(HT20) Mode

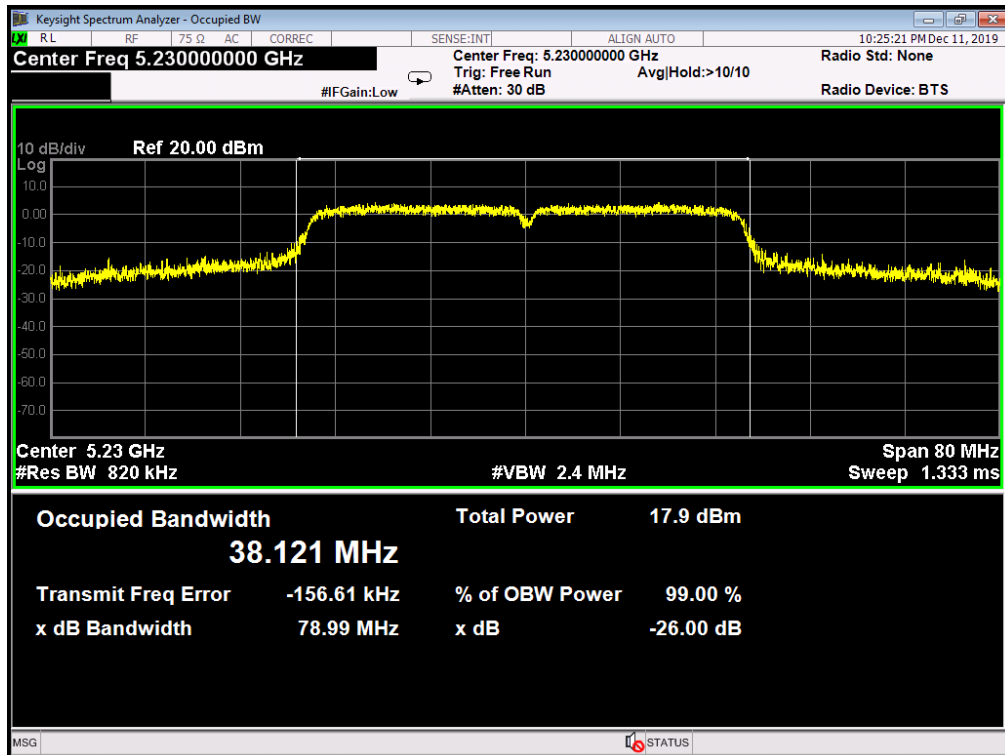
5240 MHz

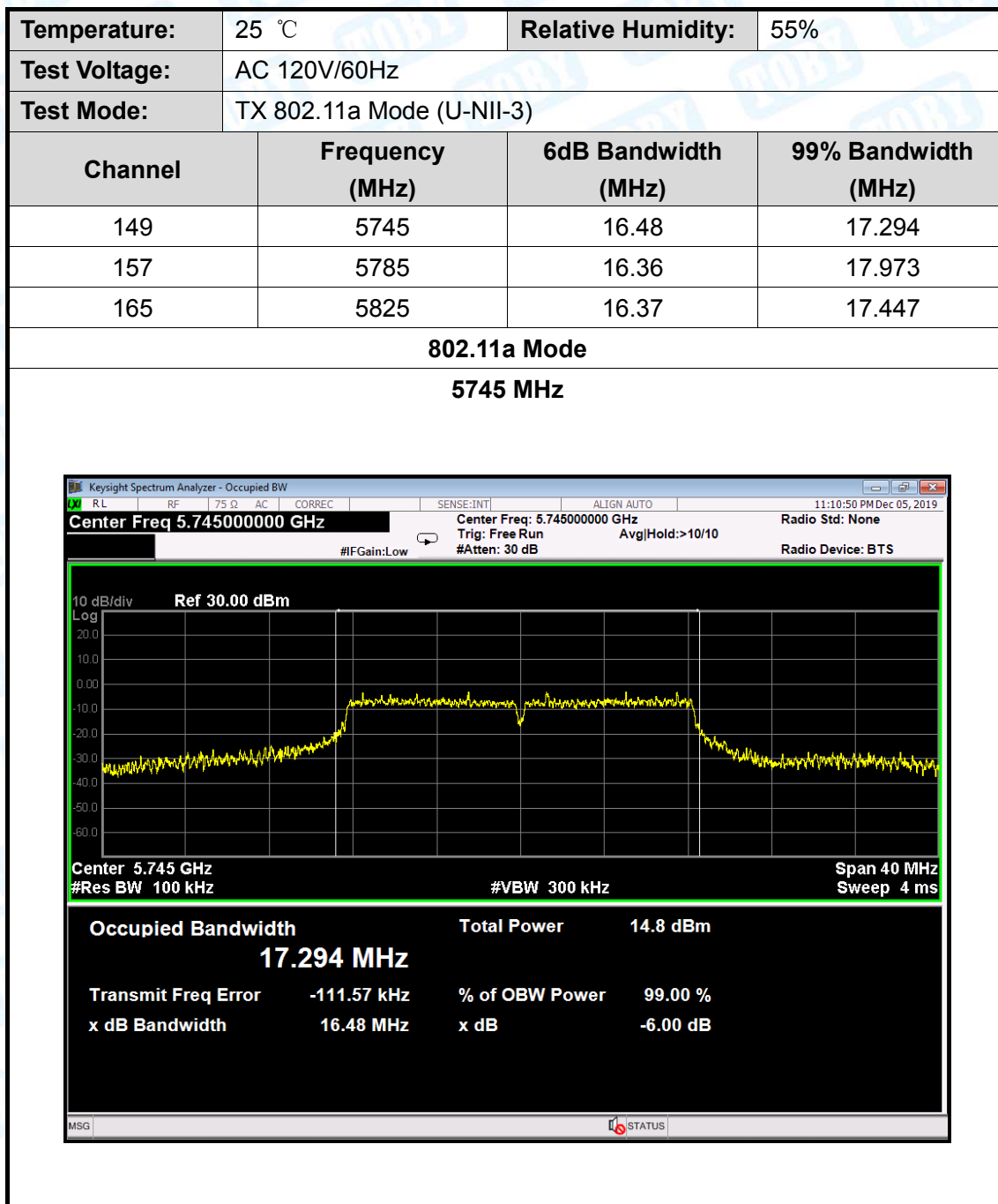




802.11N(HT40) Mode

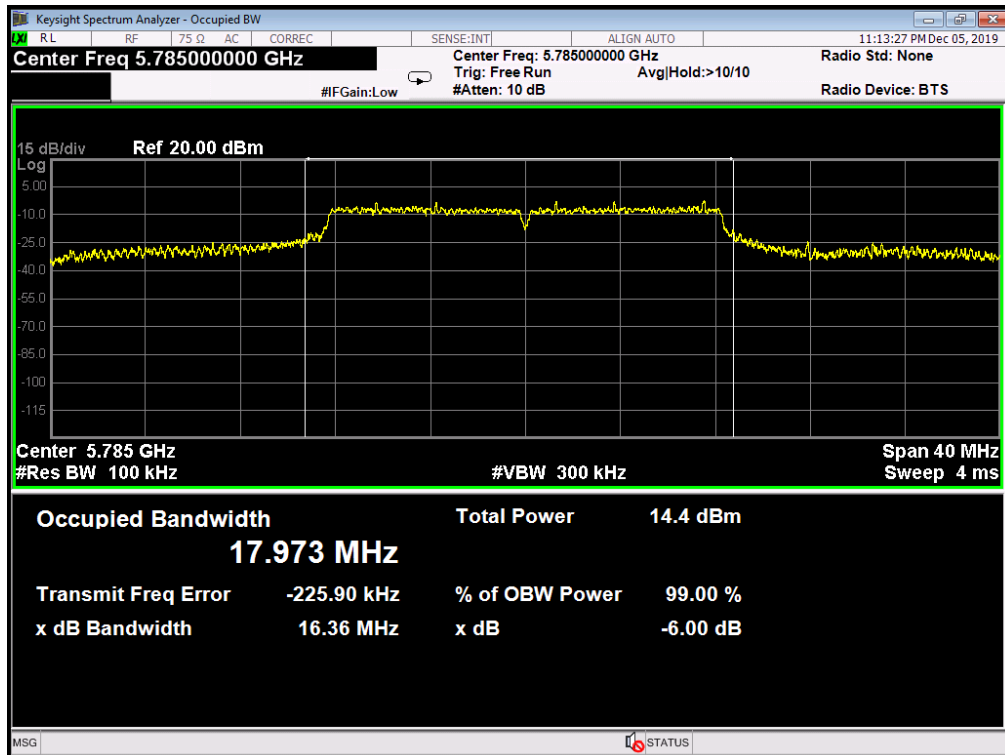
5230 MHz





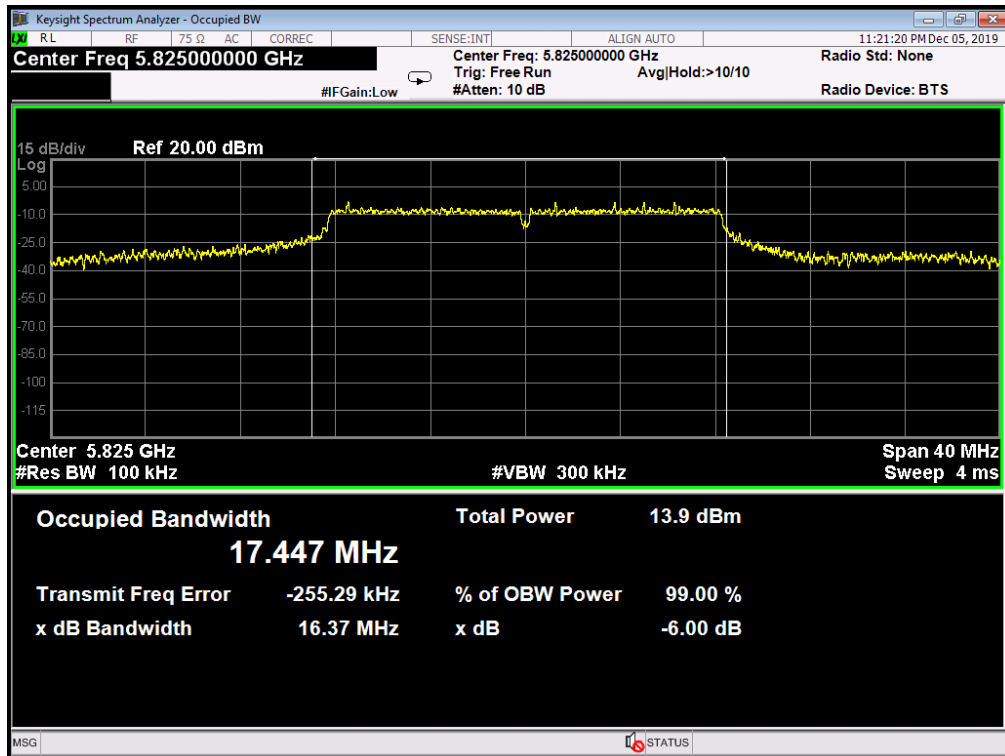
802.11a Mode

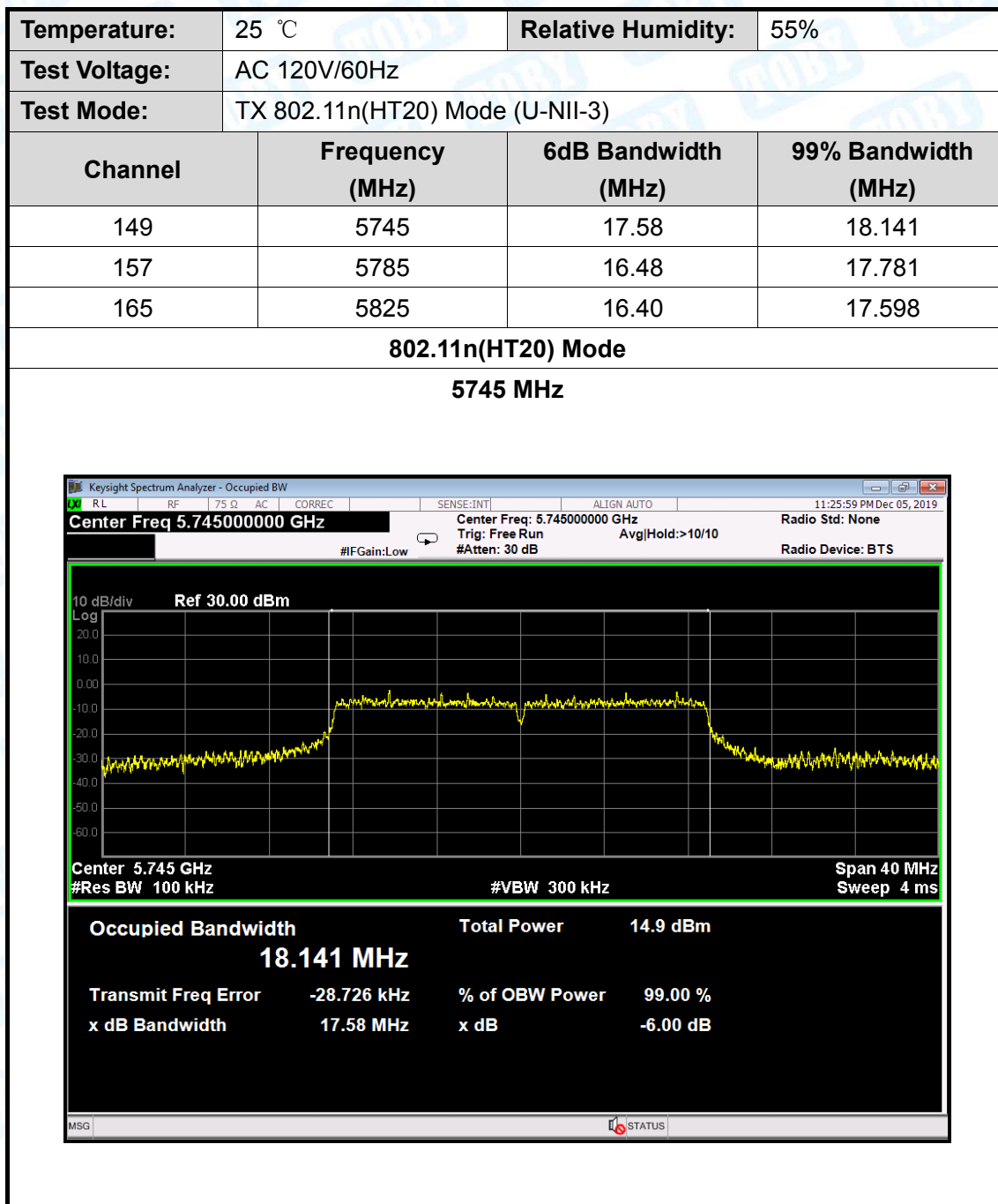
5785 MHz



802.11a Mode

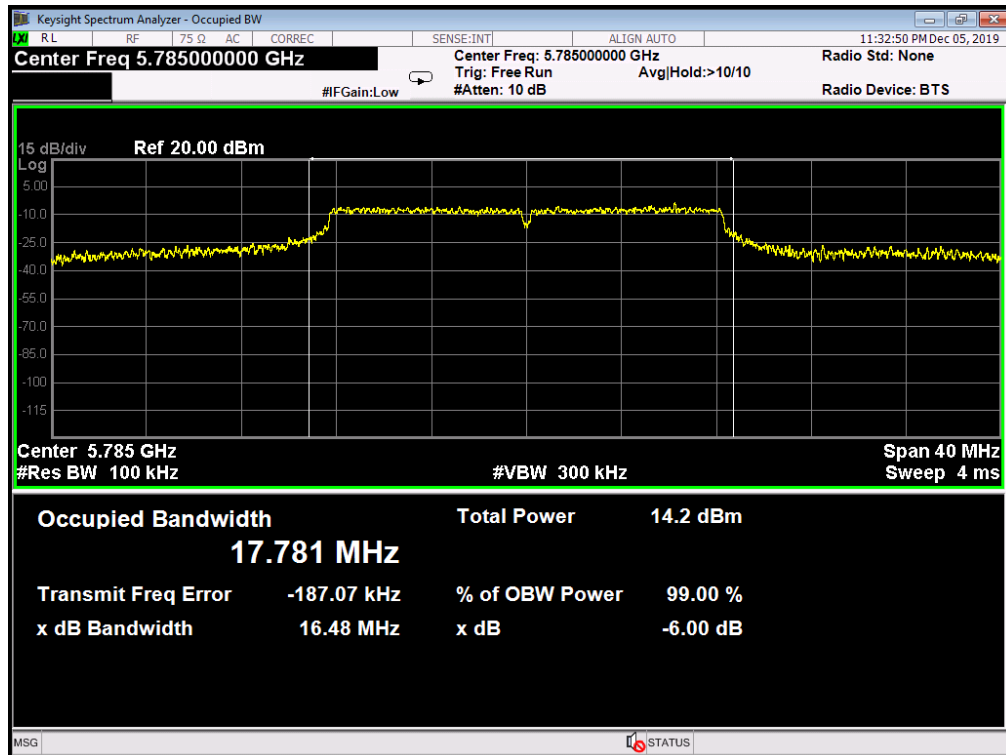
5825 MHz





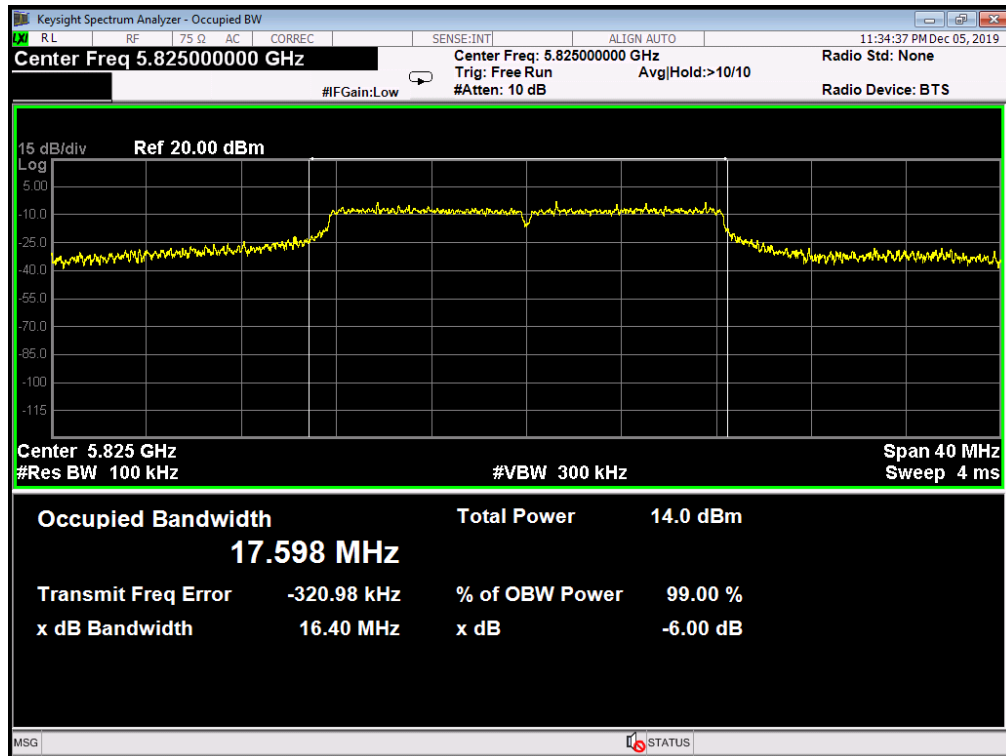
802.11n(HT20) Mode

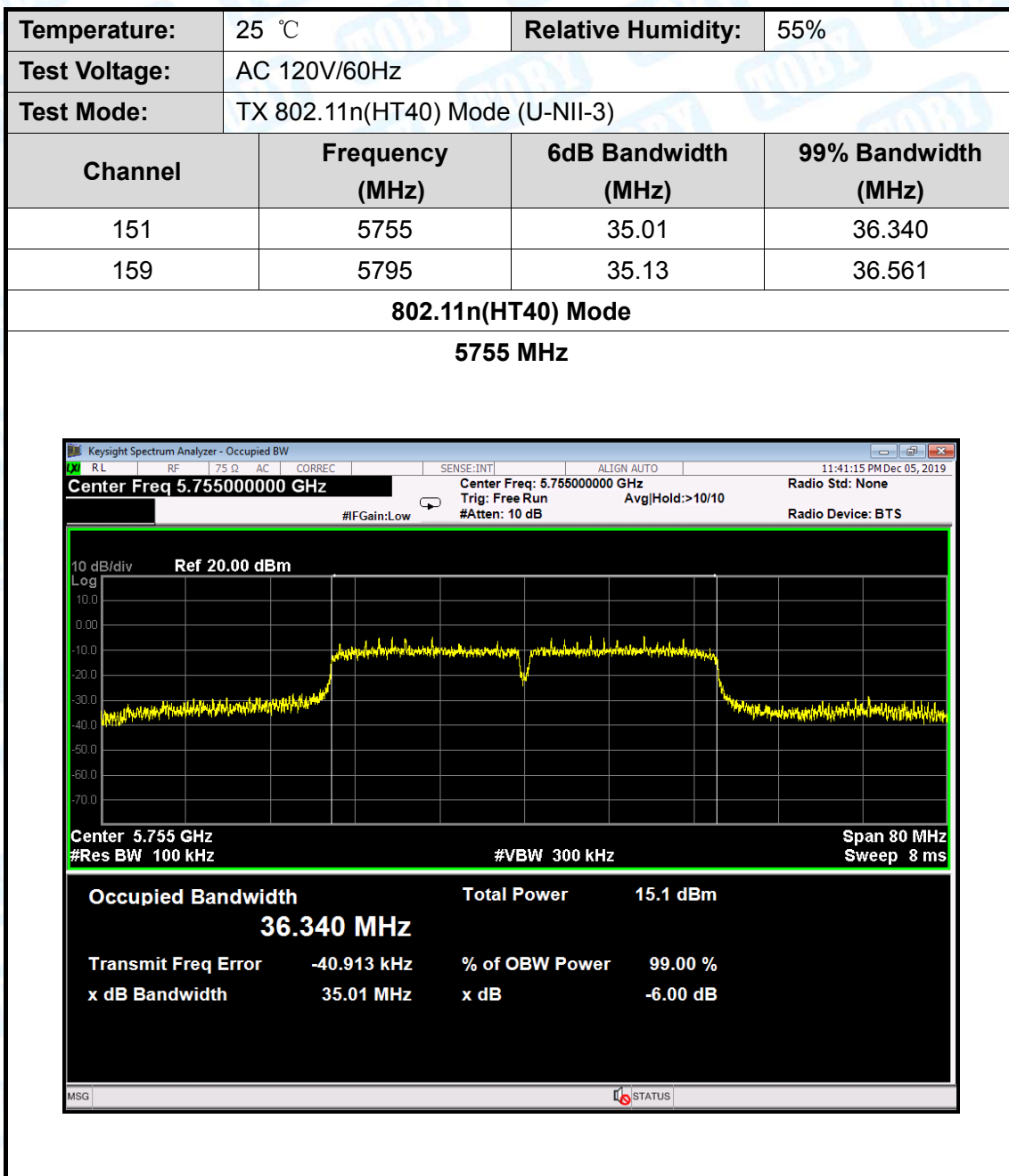
5785 MHz



802.11n(HT20) Mode

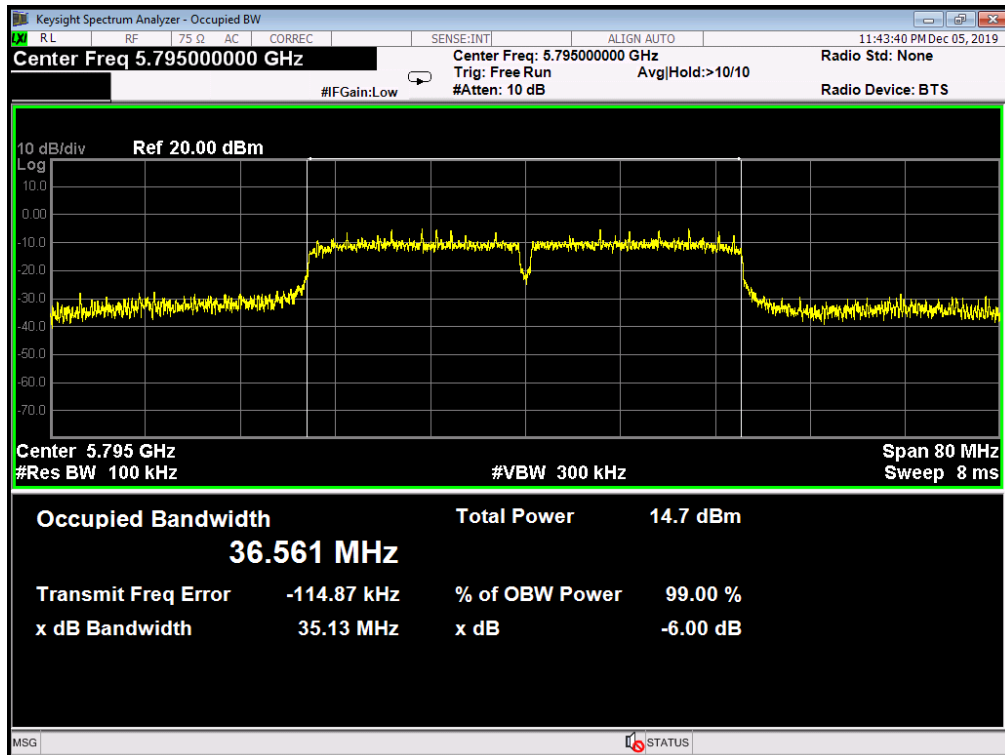
5825 MHz





802.11n(HT40) Mode

5795 MHz



Attachment E--AVG Output Power Test Data

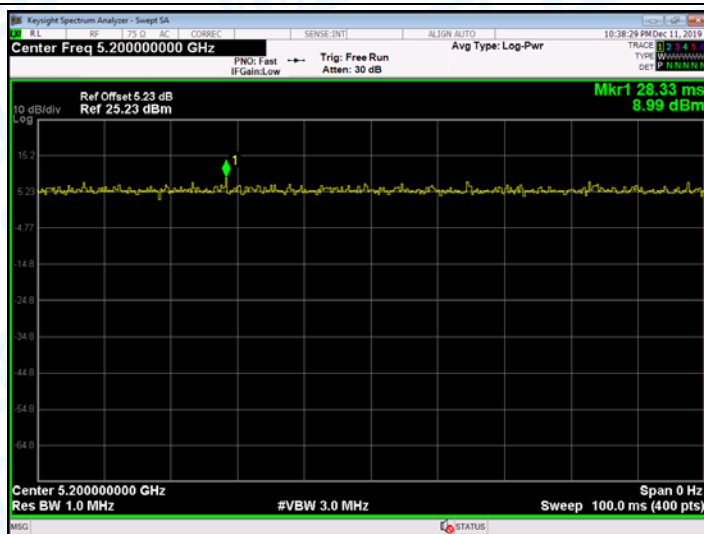
Temperature:		25 °C		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
U-NII-1							
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)		
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)			
802.11a	5180	16.62	0	16.62	24		
	5200	16.35	0	16.35			
	5240	16.42	0	16.42			
802.11n (HT20)	5180	18.57	0	18.57			
	5200	16.35	0	16.35			
	5240	16.51	0	16.51			
802.11n (HT40)	5190	16.83	0	16.83			
	5230	17.05	0	17.05			
Result: PASS							

Temperature:		25 °C		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
U-NII-3							
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)		
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)			
802.11a	5745	20.49	0	20.49	30		
	5785	19.82	0	19.82			
	5825	19.25	0	19.25			
802.11n (HT20)	5745	20.55	0	20.55			
	5785	19.62	0	19.62			
	5825	19.39	0	19.39			
802.11n (HT40)	5755	20.69	0	20.69			
	5795	19.86	0	19.86			
Result: PASS							

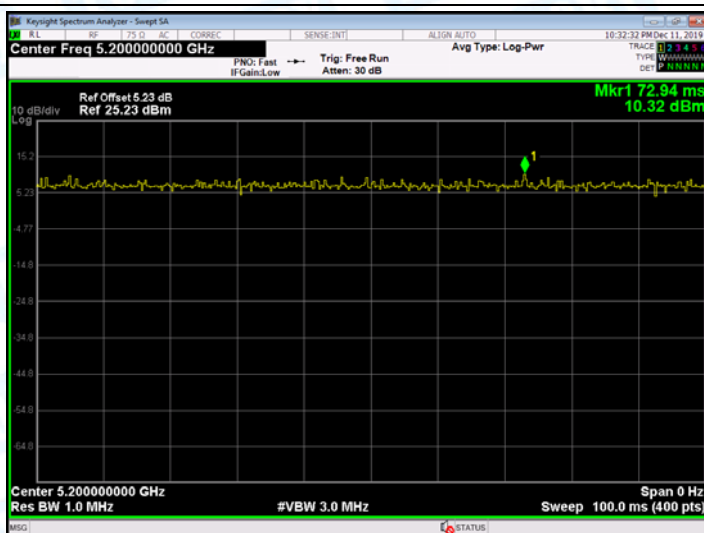
Test Mode		Duty cycle
U-NII-1	802.11 a	>98%
	802.11 n(HT20)	
	802.11 n(HT40)	
U-NII-3	802.11 a	>98%
	802.11 n(HT20)	
	802.11 n(HT40)	

Please see the next plots.

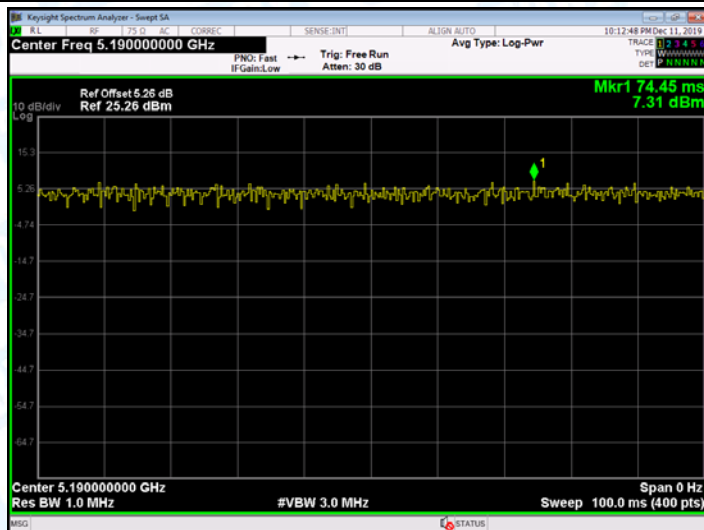
802.11 a 5200MHz U-NII-1



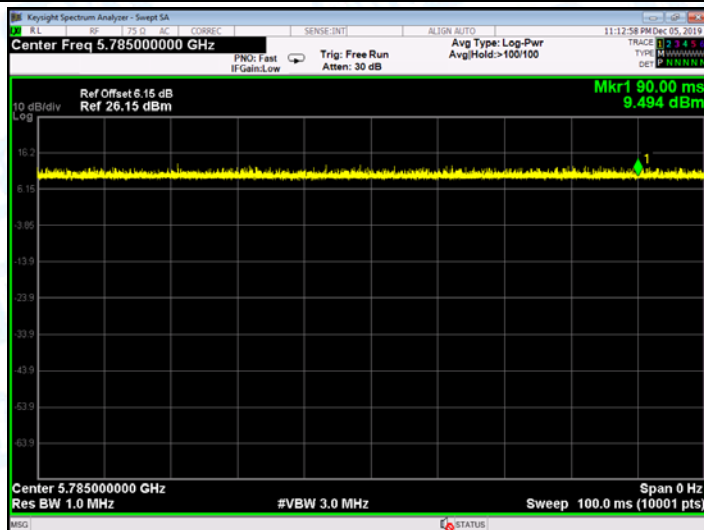
802.11 n(HT20) 5200MHz U-NII-1



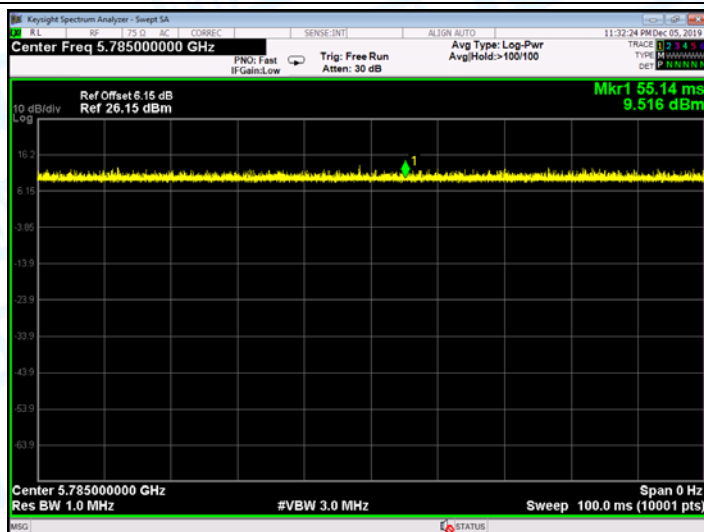
802.11 n(HT40) 5190MHz U-NII-1

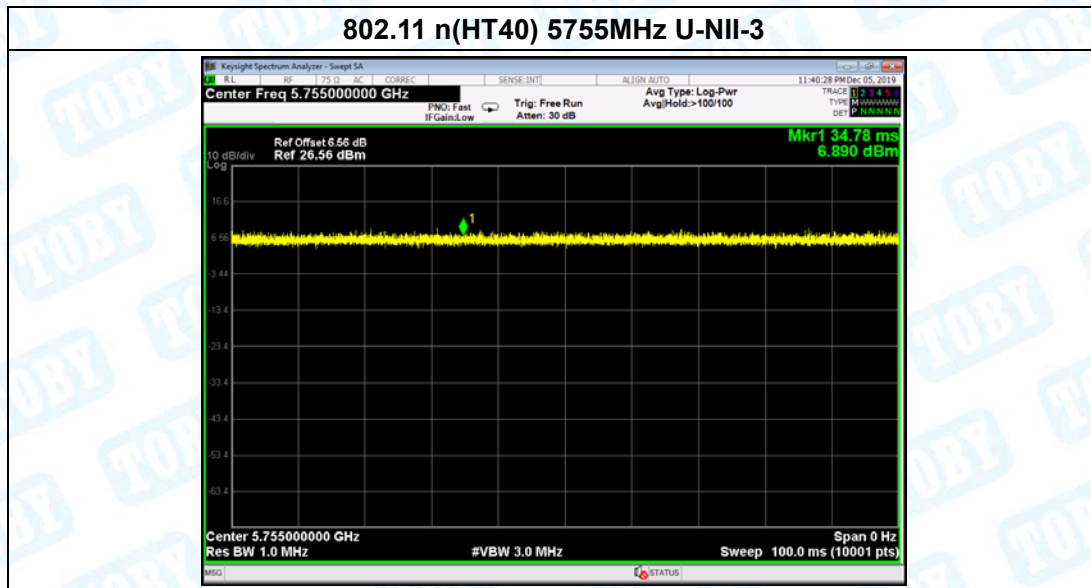


802.11 a 5785MHz U-NII-3



802.11 n(HT20) 5785MHz U-NII-3



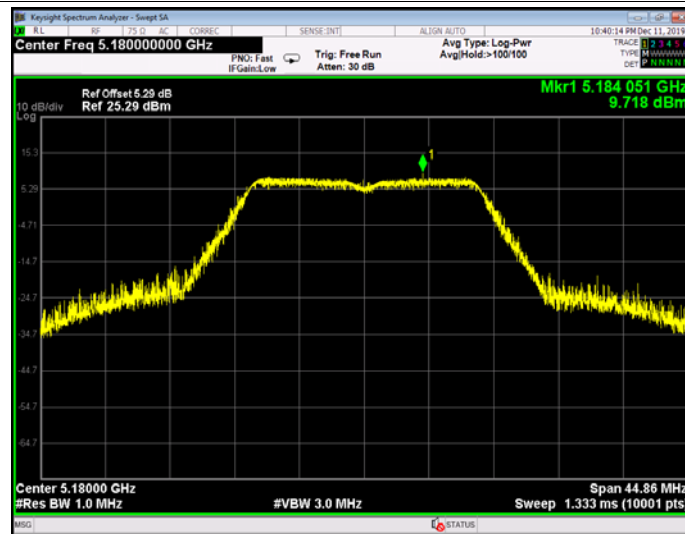


Attachment F-- Power Spectral Density Test Data

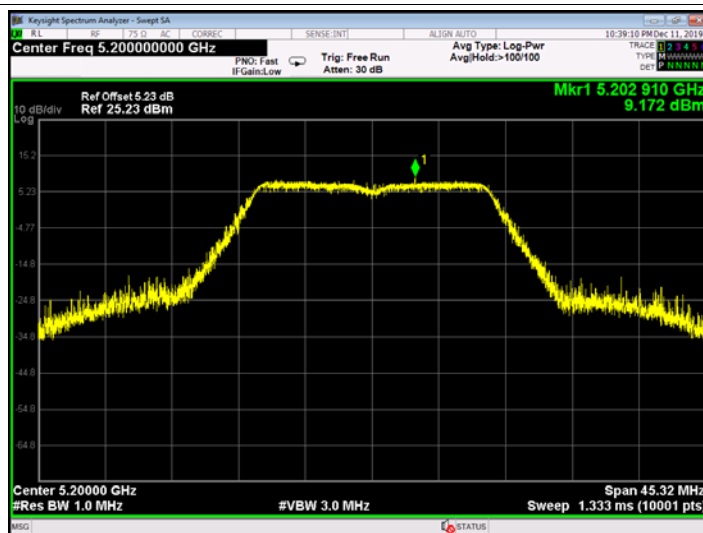
Temperature:		25 ℃		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
U-NII-1							
Test Mode	Frequency (MHz)	Test Data				Limit (dBm/MHz)	
		Power Density (dBm/MHz)		Duty Factor (dB)	Total Power Density (dBm/MHz)		
802.11a	5180	9.718		0	9.718	11	
	5200	9.172		0	9.172		
	5240	8.849		0	8.849		
802.11n (HT20)	5180	10.597		0	10.597		
	5200	8.981		0	8.981		
	5240	8.539		0	8.539		
802.11n (HT40)	5190	8.586		0	8.586		
	5230	9.217		0	9.217		
Result: PASS							

Temperature:		25 °C		Relative Humidity:		55%	
Test Voltage:		AC 120V/60Hz					
U-NII-3							
Test Mode	Frequency (MHz)	Test Data			Limit (dBm/500KHz)		
		Power Density (dBm/500KHz)	Duty Factor (dB)	Total Power Density (dBm/500KHz)			
802.11a	5180	9.653	0	9.653	11		
	5200	8.895	0	8.895			
	5240	8.415	0	8.415			
802.11n (HT20)	5180	9.882	0	9.882			
	5200	8.803	0	8.803			
	5240	8.502	0	8.502			
802.11n (HT40)	5190	6.555	0	6.555			
	5230	5.704	0	5.704			
Result: PASS							

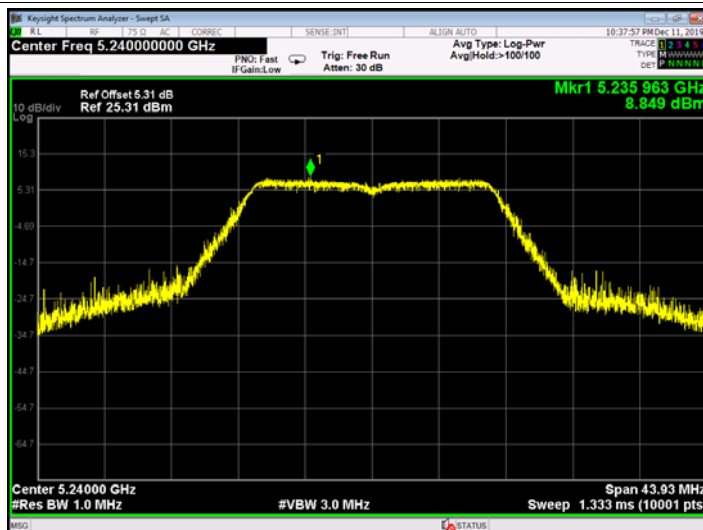
802.11 a 5180 MHz



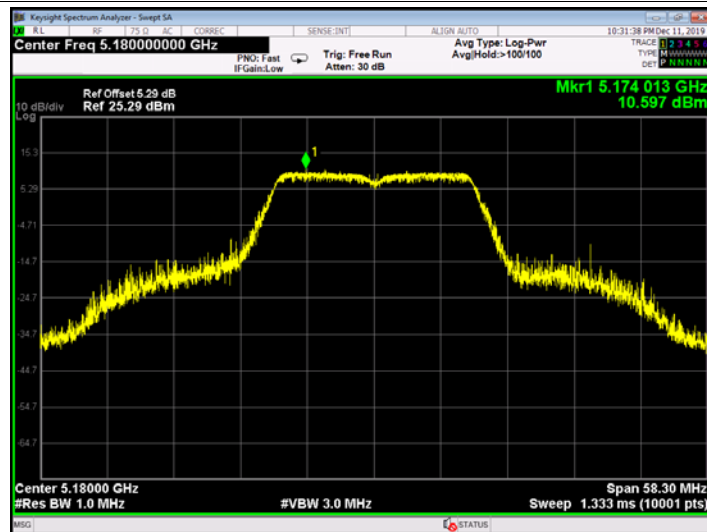
802.11 a 5200 MHz



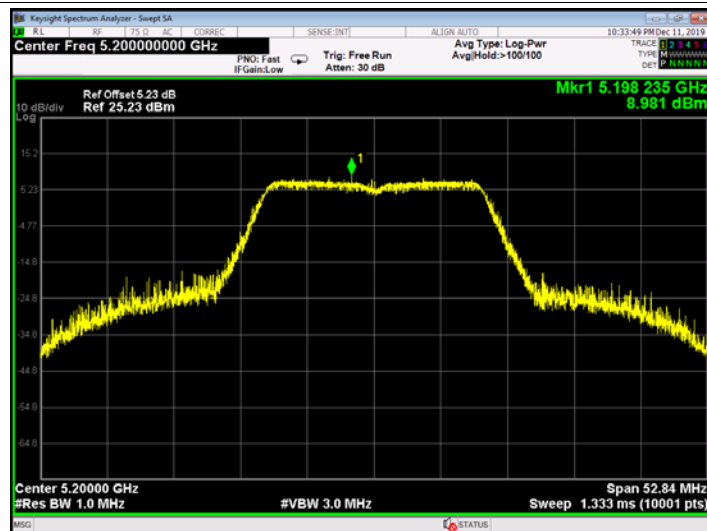
802.11 a 5240 MHz



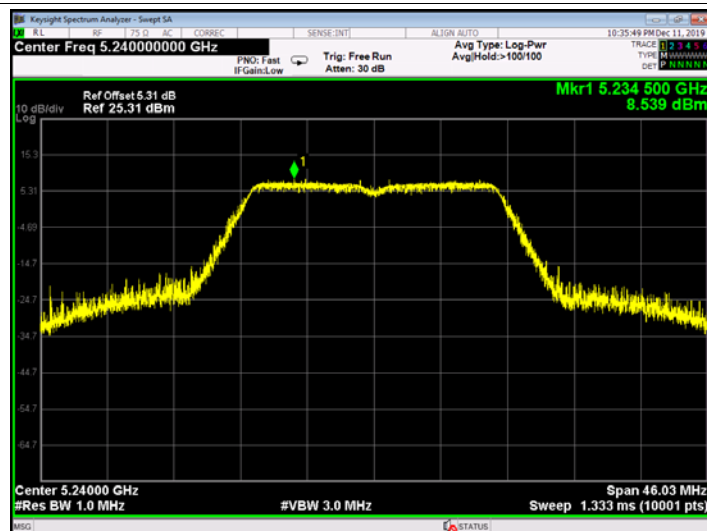
802.11 n(HT20) 5180 MHz



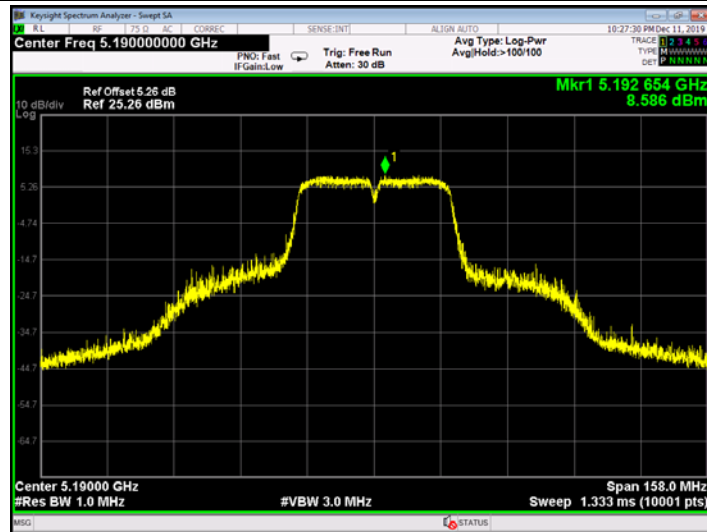
802.11 n(HT20) 5200 MHz



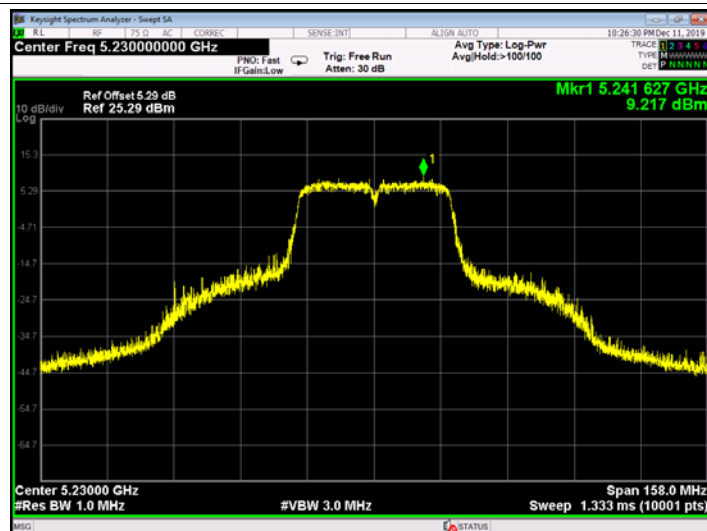
802.11 n(HT20) 5240MHz



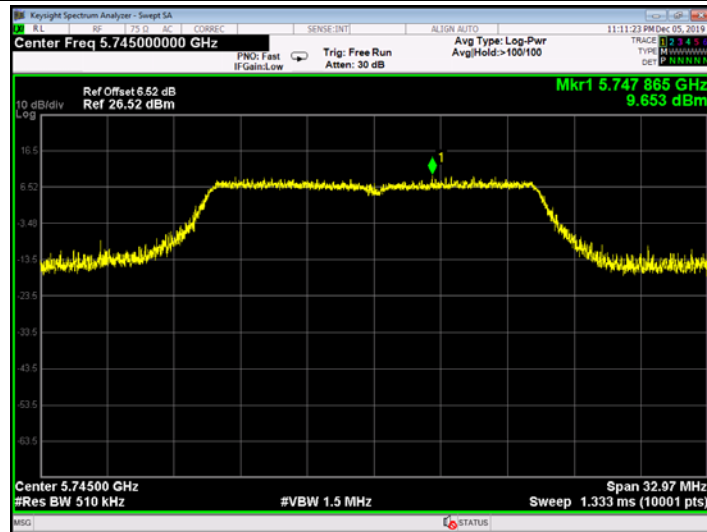
802.11 n(HT40) 5190 MHz



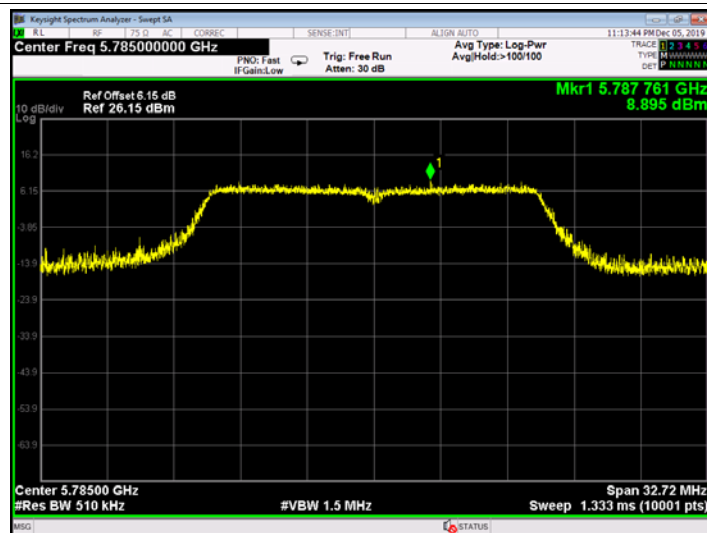
802.11 n(HT40) 5230 MHz



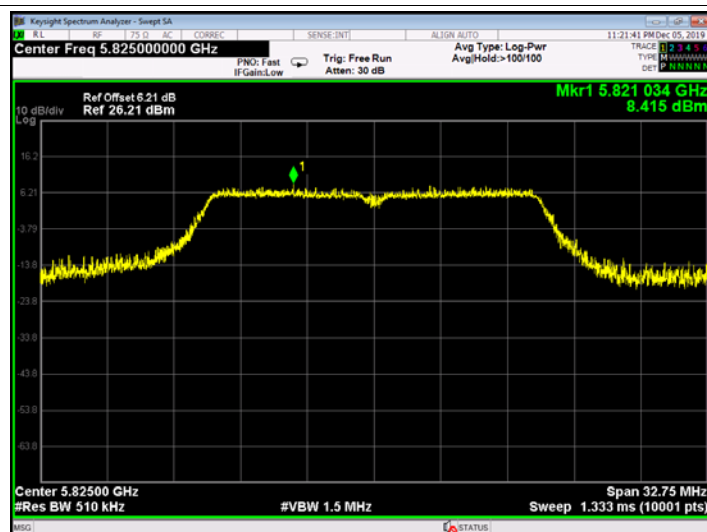
802.11 a 5745 MHz



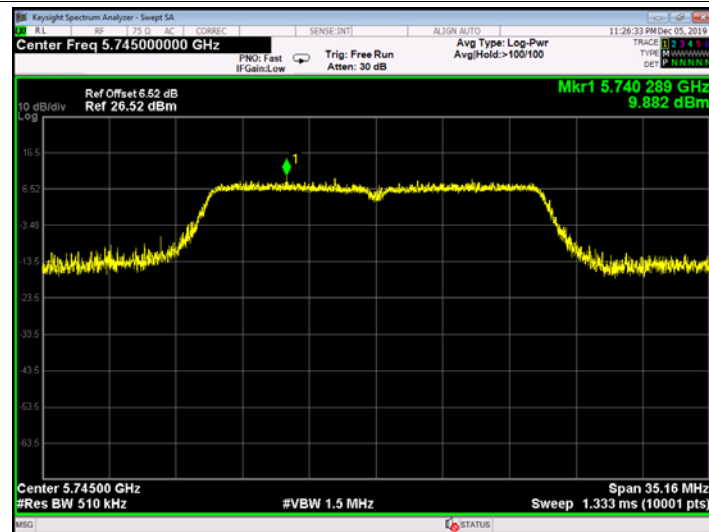
802.11 a 5785 MHz



802.11 a 5825 MHz



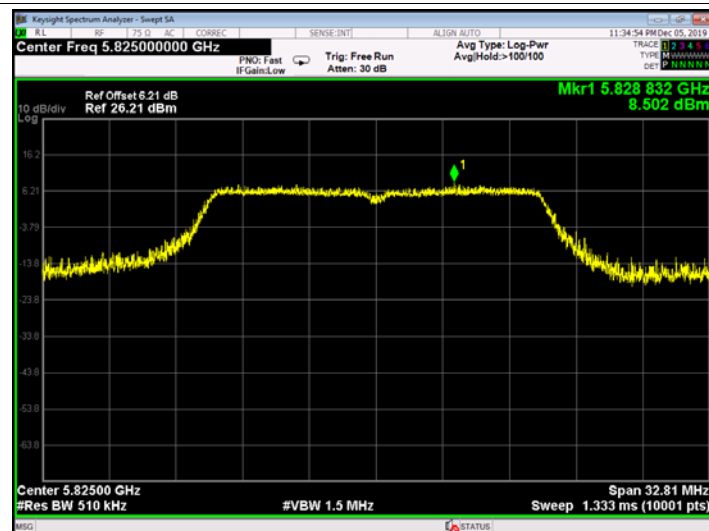
802.11 n(HT20) 5745 MHz



802.11 n(HT20) 5785 MHz



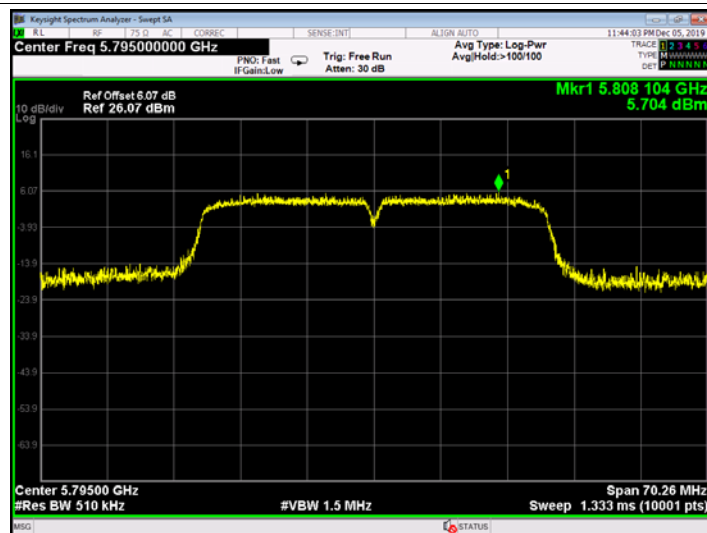
802.11 n(HT20) 5825 MHz



802.11 n(HT40) 5755 MHz



802.11 n(HT40) 5795 MHz



Attachment G----Frequency Stability Measurement Data

Only show the worst case 802.11 a Mode 5180MHz.

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5180.0600
120	5180.0000
118	5180.0000
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0200
10	5180.0300
20	5180.0000
30	5180.0300
40	5180.0500
50	5180.0400
Limit Range (MHz)	5150-5250
Result	PASS

Only show the worst case 802.11 a Mode 5745MHz.

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5745.0300
120	5745.0000
118	5744.0400
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0400
10	5745.0200
20	5745.0000
30	5745.0600
40	5745.0300
50	5745.0500
Limit Range (MHz)	5725-5850
Result	PASS

-----END OF REPORT-----