Shenzhen Certification Technology Service Co., Ltd
2F, Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China.

TEST REPORT

FCC ID: UB8-NFT2N / IC: 6607A-NFT2N

Applicant : **Deliberant LLC**

Address : **138 Mountain Brook Dr Canton, GA 30115 United States**

Equipment under Test (EUT):

Name : Broadband Digital Transmission System
Model : NFT 2N

Standards : FCC PART 15, SUBPART C : 2013 (Section 15.247) / IC RSS-210 ISSUE 8 with amendment June 2010

Report No. : CST-TCB140718041

Date of Test : July 30- August 6, 2014

Date of Issue : August 6, 2014

Test Result :	**PASS ***

* In the configuration tested, the EUT complied with the standards specified above

Authorized Signature

(Mark Zhu)
General Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report.

If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Certification Technology Service Co., Ltd. Or test done by Shenzhen Certification Technology Service Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Certification Technology Service Co., Ltd. Approvals in writing.

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1 General Information

1.1 Description of Device (EUT)

Trade Name	:	N/A
EUT	:	Broadband Digital Transmission System
Model No.		NFT 2N
DIFF.	:	N/A
Antenna Type	:	Integral Antenna, max gain 3 dBi for per antenna. For 2.4GHz and 5.8GHz module , each has 3 antennas, so the directional gain is 3+10log 3=7.77dBi
Operation Type	:	Point to Point operation.
Operation Frequency	:	IEEE 802.11b: 2412MHz-2462MHz IEEE 802.11g: 2412MHz-2462MHz IEEE 802.11n HT20: 2412-2462MHz IEEE 802.11n HT40: 2422-2452MHz IEEE 802.11a: 5745MHz-5825MHz IEEE 802.11n HT20: 5745MHz-5825MHz IEEE 802.11n HT40: 5755MHz-5795MHz
Channel number	:	IEEE 802.11b/g: 11 Channels IEEE 802.11n HT20 2.4GHz band: 11 Channels IEEE 802.11n HT40 2.4GHz band: 7Channels IEEE 802.11a 5.8GHz band :5Channels IEEE 802.11n HT20 5.8GHz band: 5 Channels IEEE 802.11n HT40 5.8GHz band: 2Channels
Modulation type	:	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n :OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11a :OFDM(64QAM, 16QAM, QPSK, BPSK)
Power Supply	:	DC 48V Supply by POE adaptor with 120V/60Hz input
Adapter		Model No.:GRT-480050A
Applicant	:	Deliberant LLC
Address	:	138 Mountain Brook Dr Canton, GA 30115 United States
Manufacturer	:	Deliberant LLC
Address	:	138 Mountain Brook Dr Canton, GA 30115 United States

Note: 1. This report tests for WIFI 2.4 G and 5.8 G.
2. EUT has three antennas for both 2.4 G and 5.8 G band, 3x3 MIMO technology was used.

1.2 Description of Test Facility

Shenzhen Certification Technology Service Co., Ltd.
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FCC Registered No.:197647
IC Registered No.:8528B

2 EMC Equipment List

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
3m Semi-Anechoic	ETS-LINDGREN	N/A	SEL0017	Nov. 16, 13	1Year
Spectrum analyzer	Agilent	E4407B	MY49510055	Oct. 30, 13	1Year
Receiver	R&S	ESCI	101165	Oct. 30, 13	1Year
Receiver	R&S	ESCI	101202	Oct. 30, 13	1Year
Bilog Antenna	SCHWARZBECK	VULB 9168	9168-438	Mar.11, 14	1Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	Mar.11, 14	1Year
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170 D(1432)	Mar.11, 14	1Year
Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	Mar.12, 14	1Year
L.I.S.N.	SCHWARZBECK	NSLK8126	8126466	Oct. 30, 13	1Year
Cable	Resenberger	SUCOFLEX 104	MY6562/4	Oct. 30, 13	1Year
Cable	Resenberger	SUCOFLEX 104	309972/4	Oct. 30, 13	1Year
Cable	Resenberger	SUCOFLEX 104	329112/4	Oct. 30, 13	1Year
Power Meter	Anritsu	ML2487A	6K00001491	Oct. 30, 13	1Year
Power sensor	Anritsu	ML2491A	32516	Oct. 30, 13	1Year
Pre-amplifier	SCHWARZBECK	BBV9743	9743-019	Oct. 30, 13	1Year
Pre-amplifier	Quietek	AP-180C	CHM-0602012	Oct. 30, 13	1Year

3 Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a 50 u H LISN. Both Lines were observed. The bandwidth of the receiver was 10kHz with an appropriate sweep speed. The ambient temperature of the EUT was 25℃ with a humidity of 58%.

RADIATION INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a ANRITSU spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a micro volt at the output of the antenna. The resolution bandwidth was 100kHz and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3MHz above 1 GHz. The ambient temperature of the EUT was 25℃ with a humidity of 58%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer and cable loss. The antenna correction factors and cable loss are stated in terms of dB. The gain of the Pre-selector was accounted for in the Spectrum Analyzer Meter Reading.
Example:
Freq (MHz) METER READING + ACF + CABLE = FS
33.20 dBuV + 10.36 dB + 0.9 dB= 44.46 dBuV/m @ 3m
ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes. The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSI Standard C63.4-2003 10.1.7 with the EUT 40 cm from the vertical ground wall.

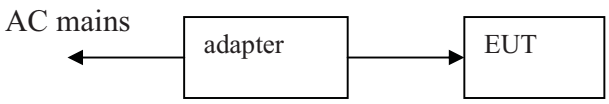
4 Summary of Measurement

4.1 Summary of test result

Test Item	Test Requirement	Standards Paragraph	Result
Spurious Emission	FCC PART 15 : 2013& IC RSS-210	Section 15.247&15.209 & A8	Compliance
Conduction Emission	FCC PART 15: 2013& IC RSS Gen	Section 15.207&7.2.4	Compliance
Bandwidth Test	FCC PART 15:2013& IC RSS-210 IC RSS Gen	Section 15.247& A8 & 4.6.1	Compliance
Peak Power	FCC PART 15:2013& IC RSS-210	Section 15.247& A8	Compliance
Power Density	FCC PART 15:2013& IC RSS-210	Section 15.247& A8	Compliance
Band Edge	FCC PART 15:2013& IC RSS-210	Section 15.247& A8	Compliance
Antenna Requirement	FCC PART 15 : 2013& IC RSS Gen	Section 15.203&7.1.4	Compliance

Note: The EUT has been tested as an independent unit. And Continual Transmitting in maximum power (The adapter be used during Test)

4.2 Test connection



4.3 Assistant equipment used for test

Description	:	Adapter
Manufacturer	:	N/A
Model No.	:	GRT-480050A

4.4 Test mode

Tested mode, channel, and data rate information 2.4G			
Mode	data rate (Mpbs)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
IEEE 802.11 n/HT20 with 2.4G	6.5	Low :CH1	2412
	6.5	Middle: CH6	2437
	6.5	High: CH11	2462
IEEE 802.11 n/HT40 with 2.4G	13.5	Low :CH1	2422
	13.5	Middle:CH4	2437
	13.5	High:CH7	2452
Note: According exploratory test, EUT will have maximum output power in those data rate. so those data rate were used for all test.			

Tested mode, channel, and data rate information 5.8G			
Mode	data rate (Mpbs)(see Note)	Channel	Frequency (MHz)
IEEE 802.11 n/HT20 with 5.8G	6.5	CH149	5745
	6.5	CH157	5785
	6.5	CH165	5825
IEEE 802.11 n/HT40 with 5.8G	13.5	CH151	5755
	13.5	CH159	5795
IEEE 802.11a with 5.8G	6	CH149	5745
	6	CH157	5785
	6	CH165	5825
Note: According exploratory test, EUT will have maximum output power in those data rate. so those data rate were used for all test.			

Remark: The EUT was set to 100% duty cycle during the test.

4.5 Channel list

For IEEE 802.11b/g and IEEE 802.11n/HT20 with 2.4G					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH1	2412	CH5	2432	CH9	2452
CH2	2417	CH6	2437	CH10	2457
CH3	2422	CH7	2442	CH11	2462
CH4	2427	CH8	2447		

For IEEE 802.11n/HT40 with 2.4G					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
		CH5	2432	CH9	2452
		CH6	2437		
CH3	2422	CH7	2442		
CH4	2427	CH8	2447		

For IEEE 802.11 a with 5.8G					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH149	5745	CH157	5785	CH165	5825
CH153	5765	CH161	5805		

For IEEE 802.11n/HT20 with 5.8G					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH149	5745	CH157	5785	CH165	5825
CH153	5765	CH161	5805		

For IEEE 802.11n/HT40 with 5.8G					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH151	5755	CH159	5795		

4.6 Test Conditions

Temperature range	21-25℃
Humidity range	40-75%
Pressure range	86-106kPa

4.7 Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.42dB	
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB	Polarize: V
	2.57dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.54dB	Polarize: V
	4.1dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.08dB	Polarize: H
	2.56dB	Polarize: V
Uncertainty for radio frequency	1×10-9	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.2℃	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	

5 Spurious Emission

5.1 Radiation Emission

5.1.1 Radiation Emission Limits(15.209)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

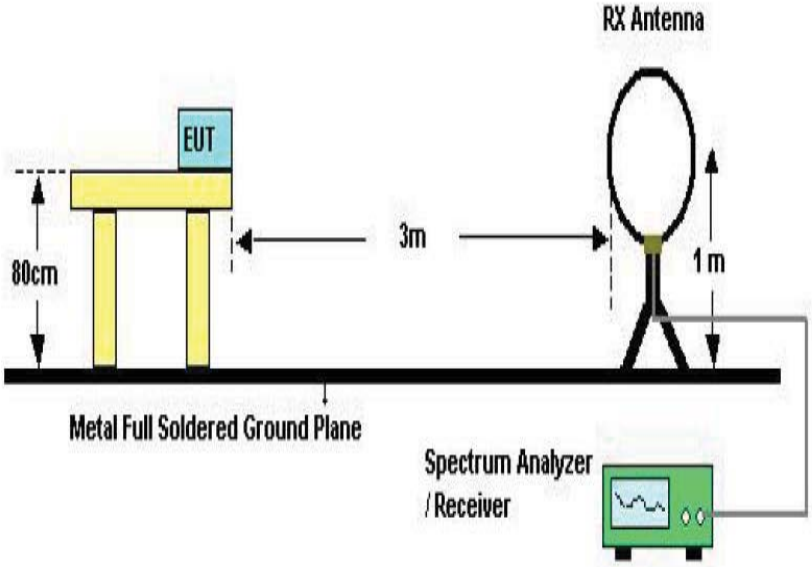
Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

NOTE:

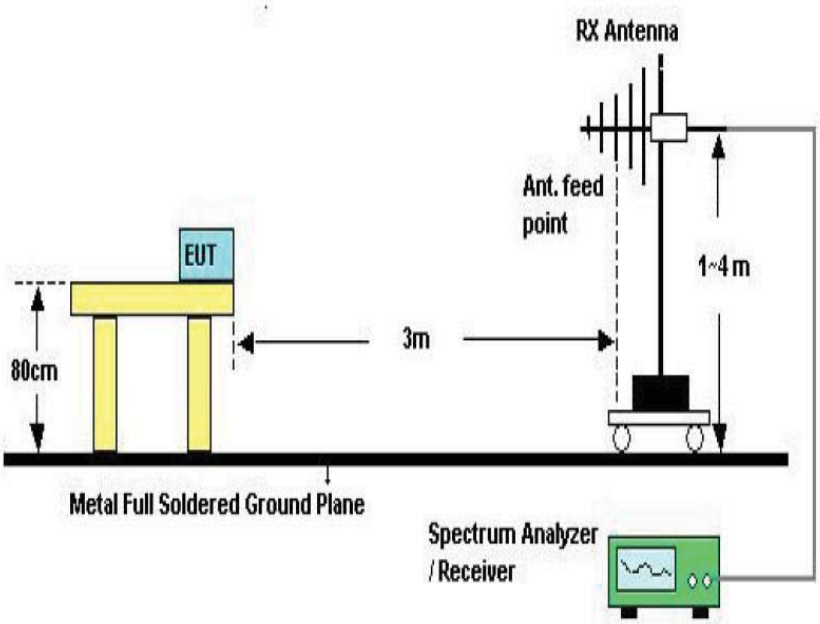
a) The tighter limit applies at the band edges.
b) Emission Level(dB uV/m)=20log Emission Level(Uv/m)

5.1.2 Test Setup

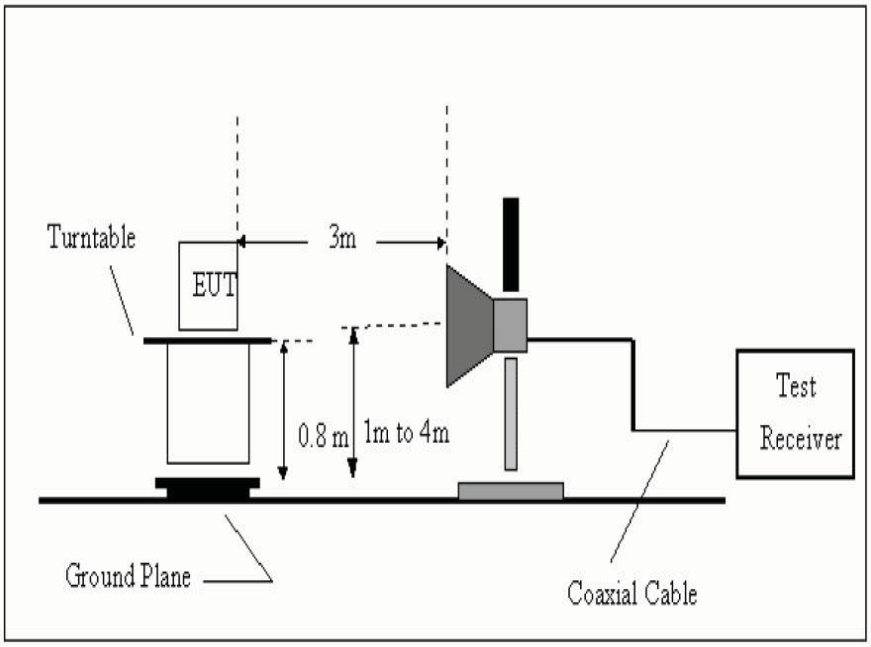
See the next page



Below 30MHz Test Setup



Above 30MHz Test Setup



Above 1GHz Test Setup

5.1.3 Test Procedure

a) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1GHz, The EUT was placed on a rotating 0.8 m high above ground, The table was rotated 360 degrees to determine the position of the highest radiation
b) The Test antenna shall vary between 1m and 4m,Both Horizontal and Vertical antenna are set of make measurement.
c) The initial step in collecting conducted emission data is a spectrum analyzer Peak detector mode pre-scanning the measurement frequency range. Significant Peaks are then marked. and then Qusia Peak Detector mode premeasured
d) If Peak value comply with QP limit Below 1GHz.The EUT deemed to comply with QP limit. But the Peak value and average value both need to comply with applicable limit above 1GHz.
e) For the actual test configuration, please see the test setup photo.

5.1.4 Test Equipment Setting For emission test Result

9KHz~150KHz	RBW 200Hz	VBW1KHz
150KHz~30MHz	RBW 9KHz	VBW 30KHz
30MHZ~1GHz	RBW 120KHz	VBW 300KHz
Above 1GHz	RBW 1MHz	VBW 3MHz

5.1.5 Test Condition

KEEPING MIMO Transmitting mode.

5.1.6 Test Result

We have scanned the 9KHz from 25GHz to the EUT.
Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

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

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Website: http://www.cessz.com Email: Service@cessz.com

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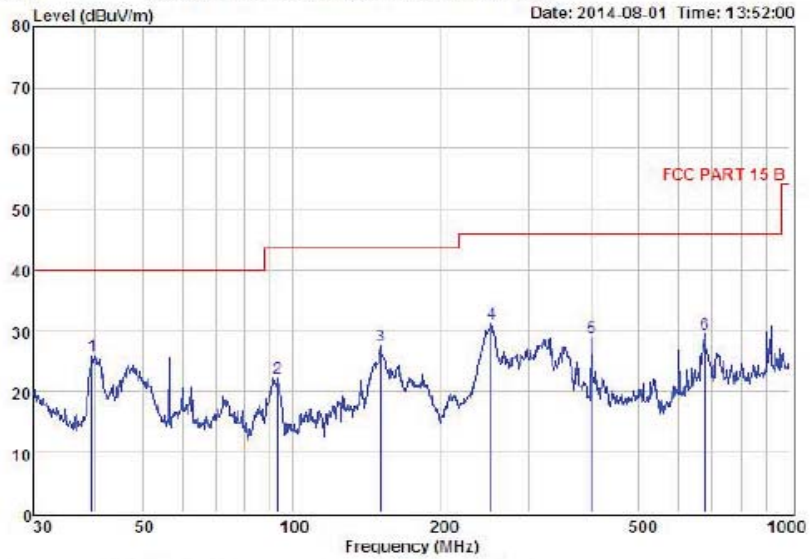

Condition : FCC PART 15 B 3m POL: HORIZONTAL
EUT : Broadband Digital Transmission System
Model No : NFT 2N
Test Mode :
Power : DC 48V
Test Engineer :
Remark : TX
Temp : 25.2°C
Hum : 56%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	39.44	37.36	14.07	28.81	0.17	28.79	40.00	-14.21	QP
2	93.44	38.90	9.72	26.83	0.27	22.06	43.50	-21.44	QP
3	151.07	39.60	14.16	26.90	0.42	27.48	43.50	-16.02	QP
4	252.06	42.95	11.61	24.11	0.55	31.00	46.00	-15.00	QP
5	401.84	37.67	14.79	24.43	0.72	28.75	46.00	-17.25	QP
6	679.96	33.99	19.44	25.77	1.70	29.36	46.00	-16.64	QP

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

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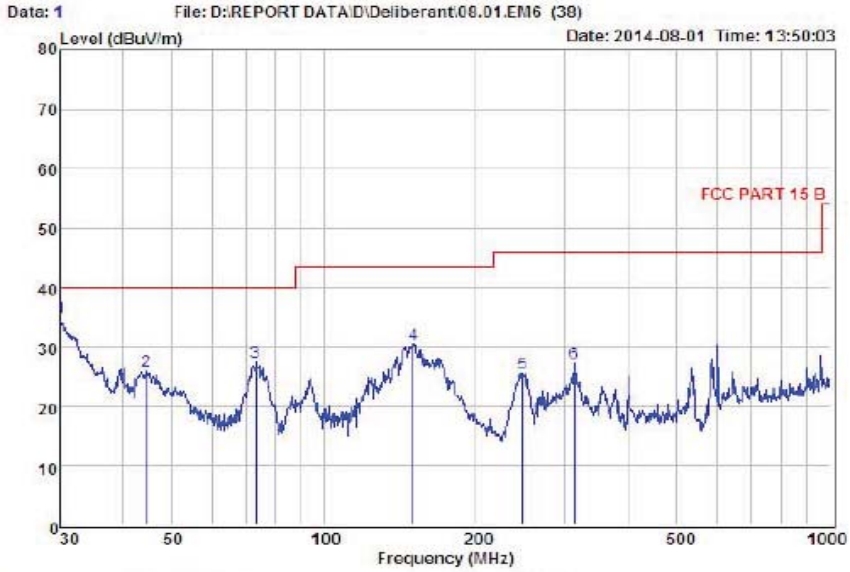


Condition : FCC PART 15 B 3m POL: VERTICAL
EUT : Broadband Digital Transmission System
Model No : NFT 2N
Test Mode :
Power : DC 48V
Test Engineer :
Remark : TX
Temp : 25.2°C
Hum : 56%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	30.00	47.20	13.22	25.43	0.03	35.02	40.00	-4.98	QP
2	44.59	37.95	13.79	25.82	0.03	25.95	40.00	-14.05	QP
3	73.36	43.82	10.21	26.77	0.24	27.50	40.00	-12.50	QP
4	150.54	42.81	14.16	26.90	0.39	30.46	43.50	-13.04	QP
5	247.68	37.99	11.55	24.50	0.58	25.62	46.00	-20.38	QP
6	313.28	37.75	13.14	24.22	0.52	27.19	46.00	-18.81	QP

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

From 1G-25GHz

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

IEEE 802.11b

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1103	V	44.74	---	-11.24	33.50	---	74	54	-40.5	Peak
4824	V	39.75	---	0.64	40.39	---	74	54	-33.61	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1103	H	44.7	---	-11.24	33.46	---	74	54	-40.54	Peak
4824	H	38.25	---	0.64	38.89	---	74	54	-35.11	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1103	V	42.53	---	-11.24	31.29	---	74	54	-42.71	Peak
4874	V	40.7	---	0.76	41.46	---	74	54	-32.54	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1103	H	42.41	---	-11.24	31.17	---	74	54	-42.83	Peak
4874	H	38.7	---	0.76	39.46	---	74	54	-34.54	Peak

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1103	V	43.41	---	-11.24	32.17	---	74	54	-41.83	Peak
4924	V	40.28	---	0.87	41.15		74	54	-32.85	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1103	H	41.24	---	-11.24	30	---	74	54	-44	Peak
4924	H	39.72	---	0.87	40.59	---	74	54	-33.41	Peak

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11 g:

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1145	V	50.99	---	-11.24	39.75	---	74	54	-34.25	Peak
2586	V	48.3	---	-7.13	41.17	---	74	54	-32.83	Peak
3062	V	46.98	---	-5.74	41.24	---	74	54	-32.76	Peak
4824	V	41.78	---	0.64	42.42	---	74	54	-31.58	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1294	H	51.49	---	-10.96	40.53	---	74	54	-33.47	Peak
2038	H	49.73	---	-8.58	41.15	---	74	54	-32.85	Peak
3483	H	46.59	---	-4.95	41.64	---	74	54	-32.36	Peak
4824	H	41.3	---	0.64	41.94	---	74	54	-32.06	Peak
N/A										

Notes: AV Means AV detector test data,Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1374	V	50.01	---	-10.43	39.58	---	74	54	-34.42	Peak
2589	V	47.24	---	-7.13	40.11	---	74	54	-33.89	Peak
3365	V	46.5	---	-5.18	41.32	---	74	54	-32.68	Peak
4874	V	40.85	---	0.76	41.61	---	74	54	-32.39	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1321	H	50.31	---	-10.84	39.47	---	74	54	-34.53	Peak
2314	H	49.67	---	-7.46	42.21	---	74	54	-31.79	Peak
3577	H	46.08	---	-4.76	41.32	---	74	54	-32.68	Peak
4874	H	40.07	---	0.76	40.83	---	74	54	-33.17	Peak

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1302	V	51.35	---	-10.84	40.51	---	74	54	-33.49	Peak
2982	V	47.01	---	-5.86	41.15	---	74	54	-32.85	Peak
3831	V	44.79	---	-3.96	40.83	---	74	54	-33.17	Peak
4924	V	40.45	---	0.87	41.32	---	74	54	-32.68	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1446	H	50.51	---	-10.29	40.22	---	74	54	-33.78	Peak
2198	H	47.68	---	-8.24	39.44	---	74	54	-34.56	Peak
3905	H	44.91	---	-3.68	41.23	---	74	54	-32.77	Peak
4924	H	41.24	---	0.87	42.11	---	74	54	-31.89	Peak

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

IEEE 802.11n/HT20 with 2.4G

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1492	V	48.8	---	-10.27	38.53	---	74	54	-35.47	Peak
2671	V	46.58	---	-6.94	39.64	---	74	54	-34.36	Peak
3948	V	44.59	---	-3.68	40.91	---	74	54	-33.09	Peak
4824	V	39.68	---	0.64	40.32	---	74	54	-33.68	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1451	H	52.52	---	-10.27	42.25	---	74	54	-31.75	Peak
2839	H	46.75	---	-6.17	40.58	---	74	54	-33.42	Peak
3607	H	45.66	---	-4.52	41.14	---	74	54	-32.86	Peak
4824	H	40.89	---	0.64	41.53	---	74	54	-32.47	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	Model Name	NFT 2N
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1262	V	51.58	---	-10.96	40.62	---	74	54	-33.38	Peak
2013	V	48.32	---	-8.58	39.74	---	74	54	-34.26	Peak
3798	V	44.26	---	-4.07	40.19	---	74	54	-33.81	Peak
4874	V	40.5	---	0.76	41.26	---	74	54	-32.74	Peak

EUT	Broadband Digital Transmission System	Model Name	NFT 2N
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1511	H	50.57	---	-10.14	40.43	---	74	54	-33.57	Peak
2353	H	49.16	---	-7.59	41.57	---	74	54	-32.43	Peak
3266	H	45.73	---	-5.39	40.34	---	74	54	-33.66	Peak
4874	H	41.4	---	0.76	42.16	---	74	54	-31.84	Peak

Notes: AV Means AV detector test data,Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1477	V	52.48	---	-10.27	42.21	---	74	54	-31.79	Peak
2703	V	47.59	---	-6.43	41.16	---	74	54	-32.84	Peak
3561	V	45.13	---	-4.76	40.37	---	74	54	-33.63	Peak
4924	V	39.56	---	0.87	40.43	---	74	54	-33.57	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1503	H	50.11	---	-10.14	39.97	---	74	54	-34.03	Peak
3588	H	46.44	---	-4.96	41.48	---	74	54	-32.52	Peak
4153	H	42.74	---	-2.48	40.26	---	74	54	-33.74	Peak
4924	H	38.22	---	0.87	39.09	---	74	54	-34.91	Peak

Notes: AV Means AV detector test data,Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

IEEE 802.11n/HT40 with 2.4G

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1551	V	50.55	---	-10.07	40.48	---	74	54	-33.52	Peak
2695	V	48.2	---	-6.94	41.26	---	74	54	-32.74	Peak
3463	V	47.06	---	-4.95	42.11	---	74	54	-31.89	Peak
4844	V	40.71	---	0.64	41.35	---	74	54	-32.65	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1542	H	50.37	---	-10.14	40.23	---	74	54	-33.77	Peak
2358	H	46.66	---	-7.59	39.07	---	74	54	-34.93	Peak
3096	H	46.31	---	-5.74	40.57	---	74	54	-33.43	Peak
4844	H	40.47	---	0.64	41.11	---	74	54	-32.89	Peak
N/A										

Notes: AV Means AV detector test data,Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1628	V	49.21	---	-9.84	39.37	---	74	54	-34.63	Peak
2593	V	47.71	---	-7.13	40.58	---	74	54	-33.42	Peak
3301	V	46.15	---	-5.31	40.84	---	74	54	-33.16	Peak
4874	V	39.5	---	0.76	40.26	---	74	54	-33.74	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1564	H	50.49	---	-10.07	40.42	---	74	54	-33.58	Peak
2248	H	49.37	---	-8.13	41.24	---	74	54	-32.76	Peak
3159	H	46.45	---	-5.52	40.93	---	74	54	-33.07	Peak
4874	H	38.41	---	0.76	39.17	---	74	54	-34.83	Peak

Notes: AV Means AV detector test data,Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1645	V	48.6	---	-9.84	38.76	---	74	54	-35.24	Peak
2590	V	47.37	---	-7.13	40.24	---	74	54	-33.76	Peak
3851	V	44.95	---	-3.84	41.11	---	74	54	-32.89	Peak
4904	V	39.96	---	0.87	40.83	---	74	54	-33.17	Peak

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
1792	H	49.73	---	-9.27	40.46	---	74	54	-33.54	Peak
2804	H	47.34	---	-6.17	41.17	---	74	54	-32.83	Peak
3743	H	44.81	---	-4.24	40.57	---	74	54	-33.43	Peak
4904	H	41.15	---	0.87	42.02	---	74	54	-31.98	Peak

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

From 1G-40GHz:
IEEE 802.11a with 5.8G

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11490	V	37.88	---	2.36	40.24	---	74	54	-33.76	Peak
17235	V	37.3	---	4.52	41.82	---	74	54	-32.18	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11490	H	37.32	---	2.36	39.68	---	74	54	-34.32	Peak
17235	H	37.31	---	4.52	41.83	---	74	54	-32.17	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11570	V	37.96	---	2.36	40.32	---	74	54	-33.68	Peak
17355	V	36.63	---	4.52	41.15	---	74	54	-32.85	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11570	H	38.57	---	2.36	40.93	---	74	54	-33.07	Peak
17355	H	36.84	---	4.52	41.36	---	74	54	-32.64	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11650	V	37.51	---	2.36	39.87	---	74	54	-34.13	Peak
17475	V	37.63	---	4.52	42.15	---	74	54	-31.85	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11650	H	38.48	---	2.36	40.84	---	74	54	-33.16	Peak
17475	H	35.15	---	4.52	39.67	---	74	54	-34.33	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT20 with 5.8G

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11490	V	38.75	---	2.36	41.11	---	74	54	-32.89	Peak
17235	V	37.8	---	4.52	42.32	---	74	54	-31.68	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11490	H	38.96	---	2.36	41.32	---	74	54	-32.68	Peak
17235	H	36.04	---	4.52	40.56	---	74	54	-33.44	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11570	V	38.56	---	2.36	40.92	---	74	54	-33.08	Peak
17355	V	35.22	---	4.52	39.74	---	74	54	-34.26	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11570	H	36.71	---	2.36	39.07	---	74	54	-34.93	Peak
17355	H	36.67	---	4.52	41.19	---	74	54	-32.81	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11650	V	38.05	---	2.36	40.41	---	74	54	-33.59	Peak
17475	V	35.66	---	4.52	40.18	---	74	54	-33.82	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11650	H	37.12	---	2.36	39.48	---	74	54	-34.52	Peak
17475	H	36.29	---	4.52	40.81	---	74	54	-33.19	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT40 with 5.8G

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11510	V	37.56	---	2.36	39.92	---	74	54	-34.08	Peak
17265	V	36.21	---	4.52	40.73	---	74	54	-33.27	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11510	H	37.88	---	2.36	40.24	---	74	54	-33.76	Peak
17265	H	36.89	---	4.52	41.41	---	74	54	-32.59	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11590	V	37.47	---	2.36	39.83	---	74	54	-34.17	Peak
17385	V	35.82	---	4.52	40.34	---	74	54	-33.66	Peak
N/A										

EUT	Broadband Digital Transmission System	**Model Name**	NFT 2N
Temperature	26°C	**Relative Humidity**	56%
Pressure	960hPa	**Test voltage**	DC 48V From adapter
Test Mode	MIMO TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
11590	H	37.37	---	2.36	39.73	---	74	54	-34.27	Peak
17385	H	36.3	---	4.52	40.82	---	74	54	-33.18	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

6 POWER LINE CONDUCTED EMISSION

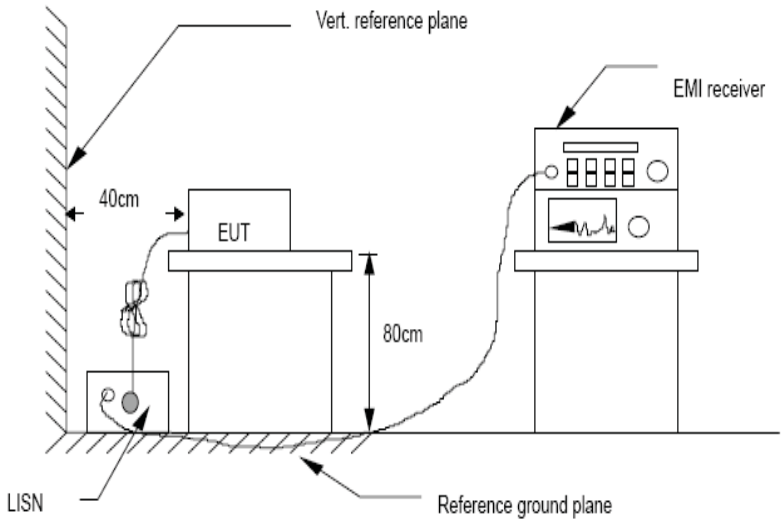
6.1 Conducted Emission Limits(15.207)

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 -0.50	66 -56*	56 - 46*
0.50 -5.00	56	46
5.00 -30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.The limit decreases in line with the logarithm of the frequency in the rang of 0.15 to 0.50 MHz.

6.2 Test Setup



6.3 Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4-2003 on Conducted Emission Measurement.
The bandwidth of test receiver (R & S ESCNFT 2N0) is set at 9 kHz.

6.4 Test Results

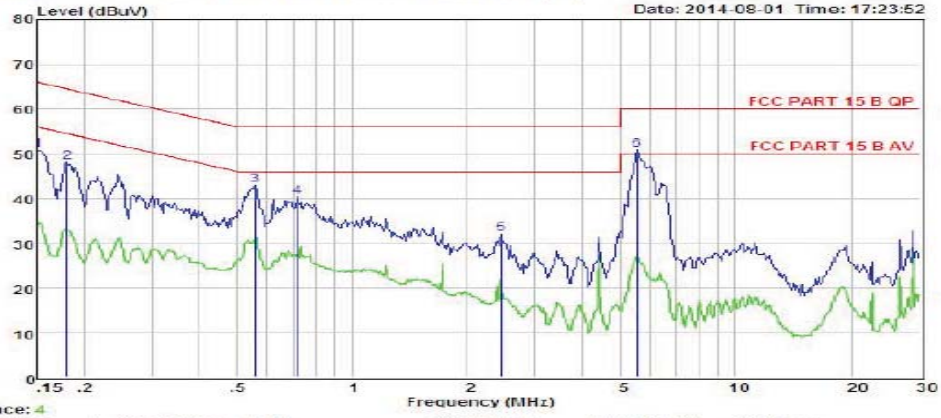
PASS

Detailed information please see the following page.

Shenzhen Certification Technology Service Co., Ltd.
2F, Building B, East Area of Nanchang Second Industrial Zone,
Gushu 2nd Road, Bao'an District, Shenzhen 518125, P.R. China
Tel: 4006786199 Fax: +86-755-26736857
Website: http://www.cessz.com Email:Service@cessz.com

Data: 3 File: E:\TEST DATA\D\Deliberant\08.01.EM6 (12)

Date: 2014-08-01 Time: 17:23:52



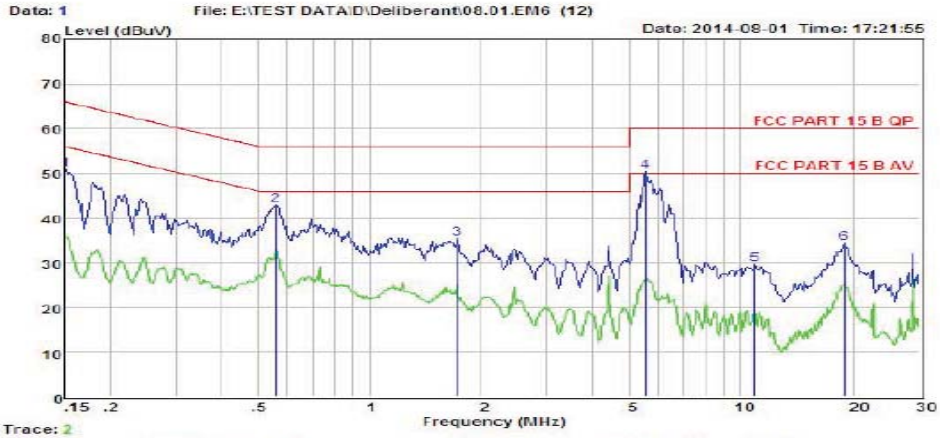
Trace: 4

Condition : FCC PART 15 B QP POL: LINE Temp:24 ℃ Hum:56 %
EUT : Broadband Digital Transmission System
Model No : NFT 2N
Test Mode : TX
Power : AC 120V/60Hz
Test Engineer:
Remark :

Item	Freq MHz	Read dBuV	LISN Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	0.150	41.00	0.03	-9.72	0.10	50.85	66.00	-15.15	Peak
2	0.180	38.16	0.03	-9.72	0.10	48.01	64.50	-16.49	Peak
3	0.558	33.04	0.03	-9.72	0.10	42.69	56.00	-13.11	Peak
4	0.720	30.37	0.04	-9.72	0.10	40.23	56.00	-15.77	Peak
5	2.448	22.18	0.06	-9.70	0.11	32.05	56.00	-23.95	Peak
6	5.535	40.86	0.10	-9.64	0.13	50.73	60.00	-9.27	Peak

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

Shenzhen Certification Technology Service Co., Ltd.
2F, Building B, East Area of Nanchang Second Industrial Zone,
Gushu 2nd Road, Bao'an District, Shenzhen 518125, P.R. China
Tel: 4006786199 Fax: +86-755-26736857
Website: http://www.cessz.com Email:Service@cessz.com



Condition : FCC PART 15 B QP POL: NEUTRAL Temp:24 ℃ Hum:56 %
EUT : Broadband Digital Transmission System
Model No : NFT 2N
Test Mode : TX
Power : AC 120V/60Hz
Test Engineer:
Remark :

Item	Freq MHz	Read dBuV	LISN Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	0.150	41.00	0.03	-9.72	0.10	50.85	66.00	-15.15	Peak
2	0.558	33.08	0.03	-9.72	0.10	42.93	56.00	-13.07	Peak
3	1.716	25.62	0.05	-9.70	0.10	35.47	56.00	-20.53	Peak
4	5.535	40.51	0.10	-9.64	0.13	50.38	60.00	-9.62	Peak
5	10.905	19.60	0.23	-9.49	0.22	29.54	60.00	-30.46	Peak
6	18.820	24.17	0.30	-9.46	0.33	34.26	60.00	-25.74	Peak

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

7 Conducted Maximum Output Power

7.1 Test limit

Please refer section15.247.

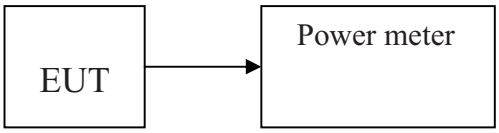
Regulation 15.247(b) The limit of Maximum Peak Output Power Measurement is 1W (30dBm)

7.2 Test Procedure

Details see the KDB558074 Meas Guidance V03

7.2.1 Place the EUT on the table and set it in transmitting mode.
7.2.2 Connected the EUT's antenna port to peak power meter by 20dB attenuator.
7.2.3 Measure out each mode and each bands peak output power of each antenna port of EUT.
Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.
Details see the KDB558074 DTS Meas Guidance V03

7.3 Test Setup



7.4 Test Results

PASS

Detailed information please see the following page.

EUT: Broadband Digital Transmission System M/N: NFT 2N				
Test date: 2014-07-30 Test site: RF site Tested by: Simple Guan				
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 b	CH1: 2412	18.54	30	11.46
	CH6: 2437	20.52	30	9.48
	CH11: 2462	18.37	30	11.63
IEEE 802.11 g	CH1: 2412	14.18	30	15.82
	CH6: 2437	20.64	30	9.36
	CH11: 2462	14.32	30	15.68
IEEE 802.11 n/HT20 with 2.4G	CH1: 2412	13.93	30	16.07
	CH6: 2437	19.72	30	10.28
	CH11: 2462	14.36	30	15.64
IEEE 802.11 n/HT40 with 2.4G	CH1: 2422	13.89	30	16.11
	CH4: 2437	19.56	30	10.44
	CH7: 2452	14.18	30	15.82
Note: This test with port 0 antenna.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-07-30	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 b	CH1: 2412	18.47	30	11.53
	CH6: 2437	20.37	30	9.63
	CH11: 2462	18.21	30	11.79
IEEE 802.11 g	CH1: 2412	14.16	30	15.84
	CH6: 2437	20.32	30	9.68
	CH11: 2462	14.17	30	15.83
IEEE 802.11 n/HT20 with 2.4G	CH1: 2412	13.68	30	16.32
	CH6: 2437	19.61	30	10.39
	CH11: 2462	14.23	30	15.77
IEEE 802.11 n/HT40 with 2.4G	CH1: 2422	13.56	30	16.44
	CH4: 2437	19.63	30	10.37
	CH7: 2452	14.25	30	15.75
Note: This test with port 1 antenna.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-07-30	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 b	CH1: 2412	18.43	30	11.57
	CH6: 2437	20.23	30	9.77
	CH11: 2462	18.03	30	11.97
IEEE 802.11 g	CH1: 2412	14.15	30	15.85
	CH6: 2437	20.57	30	9.43
	CH11: 2462	14.32	30	15.68
IEEE 802.11 n/HT20 with 2.4G	CH1: 2412	13.28	30	16.72
	CH6: 2437	19.36	30	10.64
	CH11: 2462	14.36	30	15.64
IEEE 802.11 n/HT40 with 2.4G	CH1: 2422	13.86	30	16.14
	CH4: 2437	19.53	30	10.47
	CH7: 2452	14.19	30	15.81
Note: This test with port 2 antenna.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-07-30	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 b with 2.4G	CH1: 2412	23.25	30	6.75
	CH6: 2437	25.15	30	4.85
	CH11: 2462	22.98	30	7.02
IEEE 802.11 g with 2.4G	CH1: 2412	18.93	30	11.07
	CH6: 2437	25.28	30	4.72
	CH11: 2462	19.04	30	10.96
IEEE 802.11 n/HT20 with 2.4G	CH1: 2412	18.41	30	11.59
	CH6: 2437	24.34	30	5.66
	CH11: 2462	19.09	30	10.91
IEEE 802.11 n/HT40 with 2.4G	CH1: 2422	18.54	30	11.46
	CH4: 2437	24.34	30	5.66
	CH7: 2452	18.98	30	11.02
Note: 1 The result of sum of port 0, port 1 and port 2 antenna. 2 According to KDB 662911, Result power = $10\log(10^{ant0/10+}10^{ant1/10}+10^{(ant2/10)})$ 3 Result unit: W, The end PK Output power result is converted to units of dBm.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-08-01	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 a with 5.8G	CH149:5745	18.67	30	11.33
	CH157:5785	18.85	30	11.15
	CH165:5825	18.57	30	11.43
IEEE 802.11 n/HT20 with 5.8G	CH149:5745	18.68	30	11.32
	CH157:5785	18.58	30	11.42
	CH165:5825	18.42	30	11.58
IEEE 802.11 n/HT40 with 5.8G	CH151:5755	18.38	30	11.62
	CH159:5795	18.28	30	11.72
Note: This test with port 0 antenna.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-08-01	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 a with 5.8G	CH149:5745	18.88	30	11.12
	CH157:5785	18.52	30	11.48
	CH165:5825	18.56	30	11.44
IEEE 802.11 n/HT20 with 5.8G	CH149:5745	18.28	30	11.72
	CH157:5785	18.57	30	11.43
	CH165:5825	18.36	30	11.64
IEEE 802.11 n/HT40 with 5.8G	CH151:5755	18.56	30	11.44
	CH159:5795	18.64	30	11.36
Note: This test with port 1 antenna.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-08-01	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 a with 5.8G	CH149:5745	18.56	30	11.44
	CH157:5785	18.37	30	11.63
	CH165:5825	18.48	30	11.52
IEEE 802.11 n/HT20 with 5.8G	CH149:5745	18.21	30	11.79
	CH157:5785	18.17	30	11.83
	CH165:5825	18.35	30	11.65
IEEE 802.11 n/HT40 with 5.8G	CH151:5755	18.24	30	11.76
	CH159:5795	18.38	30	11.62
Note: This test with port 2 antenna.				
Conclusion: PASS				

EUT: Broadband Digital Transmission System		M/N: NFT 2N		
Test date: 2014-08-01	Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 a with 5.8G	CH149:5745	23.48	30	6.52
	CH157:5785	23.36	30	6.64
	CH165:5825	23.31	30	6.69
IEEE 802.11 n/HT20 with 5.8G	CH149:5745	23.17	30	6.83
	CH157:5785	23.22	30	6.78
	CH165:5825	23.15	30	6.85
IEEE 802.11 n/HT40 with 5.8G	CH151:5755	23.17	30	6.83
	CH159:5795	23.21	30	6.79
Note: 1 The result of sum of port 0, port 1 and port 2 antenna. 2 According to KDB 662911, Result power = $10\log(10^{ant0/10}+10ant^{1/10}+10(ant^{2/10})$ 3 Result unit: W, The end PK Output power result is converted to units of dBm				
Conclusion: PASS				

8 PEAK POWER SPECTRAL DENSITY

8.1 Test limit

8.1.1 Please refer section15.247.

8.1.2 For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

8.1.3 The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

8.2 Method of measurement

Details see the KDB558074 DTS Meas Guidance V03

8.2.1 Place the EUT on the table and set it in transmitting mode.

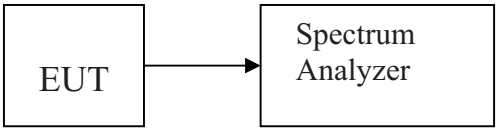
8.2.2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

8.2.3 Set the spectrum analyzer as RBW = 3kHz, VBW = 10kHz, span=5-30%EBW, detail see the test plot.

8.2.4 Record the max reading.

8.2.5 Repeat the above procedure until the measurements for all frequencies are completed.

8.3 Test Setup



8.4 Test Results

PASS.

Detailed information please see the following page.

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11b:				
Low	2412	-4.046	8	PASS
Mid	2437	-4.185	8	PASS
High	2462	-4.229	8	PASS
IEEE 802.11g:				
Low	2412	-8.300	8	PASS
Mid	2437	-6.171	8	PASS
High	2462	-4.229	8	PASS
IEEE 802.11n/HT20 with 2.4G:				
Low	2412	-7.534	8	PASS
Mid	2437	-7.495	8	PASS
High	2462	-6.443	8	PASS
IEEE 802.11n/HT40 with 2.4G:				
Low	2422	-8.355	8	PASS
Mid	2437	-6.617	8	PASS
High	2452	-8.362	8	PASS
Note: This test with port 0 antenna.				

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11b:				
Low	2412	-1.859	8	PASS
Mid	2437	-5.914	8	PASS
High	2462	-3.768	8	PASS
IEEE 802.11g:				
Low	2412	-10.82	8	PASS
Mid	2437	-11.85	8	PASS
High	2462	-8.499	8	PASS
IEEE 802.11n/HT20 with 2.4G:				
Low	2412	-10.09	8	PASS
Mid	2437	-11.57	8	PASS
High	2462	-8.926	8	PASS
IEEE 802.11n/HT40 with 2.4G:				
Low	2422	-11.66	8	PASS
Mid	2437	-11.10	8	PASS
High	2452	-8.468	8	PASS
Note: This test with port 1 antenna.				

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11b:				
Low	2412	-2.21	8	PASS
Mid	2437	-3.943	8	PASS
High	2462	-3.514	8	PASS
IEEE 802.11g:				
Low	2412	-8.125	8	PASS
Mid	2437	-9.921	8	PASS
High	2462	-7.82	8	PASS
IEEE 802.11n/HT20 with 2.4G:				
Low	2412	-9.051	8	PASS
Mid	2437	-9.921	8	PASS
High	2462	-10.04	8	PASS
IEEE 802.11n/HT40 with 2.4G:				
Low	2422	-10.86	8	PASS
Mid	2437	-9.52	8	PASS
High	2452	-8.017	8	PASS
Note: This test with port 2 antenna.				

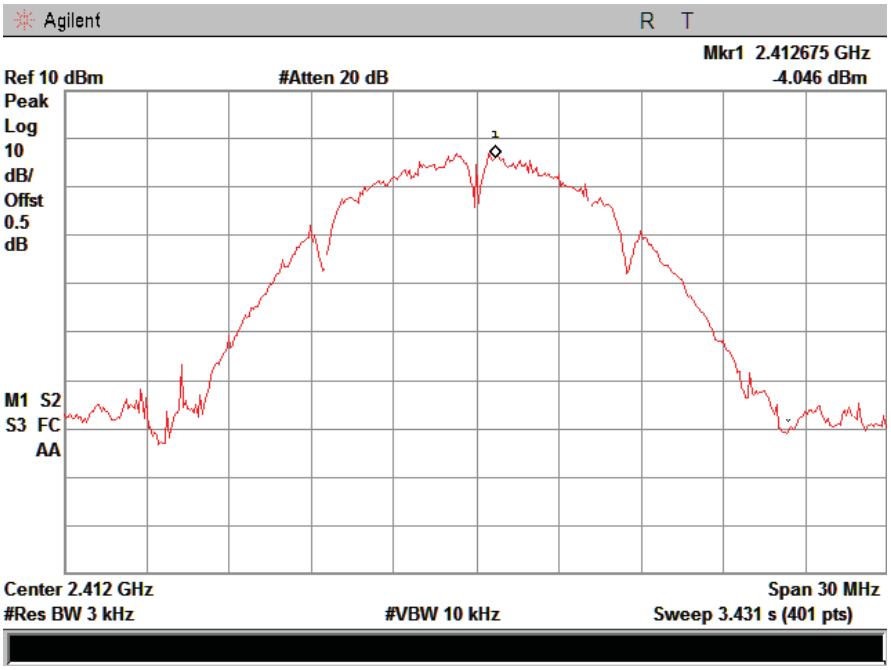
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11b with 2.4G:				
Low	2412	2.17	8	PASS
Mid	2437	0.17	8	PASS
High	2462	0.94	8	PASS
IEEE 802.11g with 2.4G:				
Low	2412	-4.15	8	PASS
Mid	2437	-3.89	8	PASS
High	2462	-1.65	8	PASS
IEEE 802.11n/HT20 with 2.4G:				
Low	2412	-3.99	8	PASS
Mid	2437	-4.57	8	PASS
High	2462	-3.43	8	PASS
IEEE 802.11n/HT40 with 2.4G:				
Low	2422	-5.28	8	PASS
Mid	2437	-3.90	8	PASS
High	2452	-3.51	8	PASS

Note: 1 The result of sum of port 0, port 1 and port 2 antenna.
2 According to KDB 662911, power density= 10log(10ant0/10+10ant1/10+10(ant2/10))
3 Result unit: W, The end PK Output power result is converted to units of dBm.

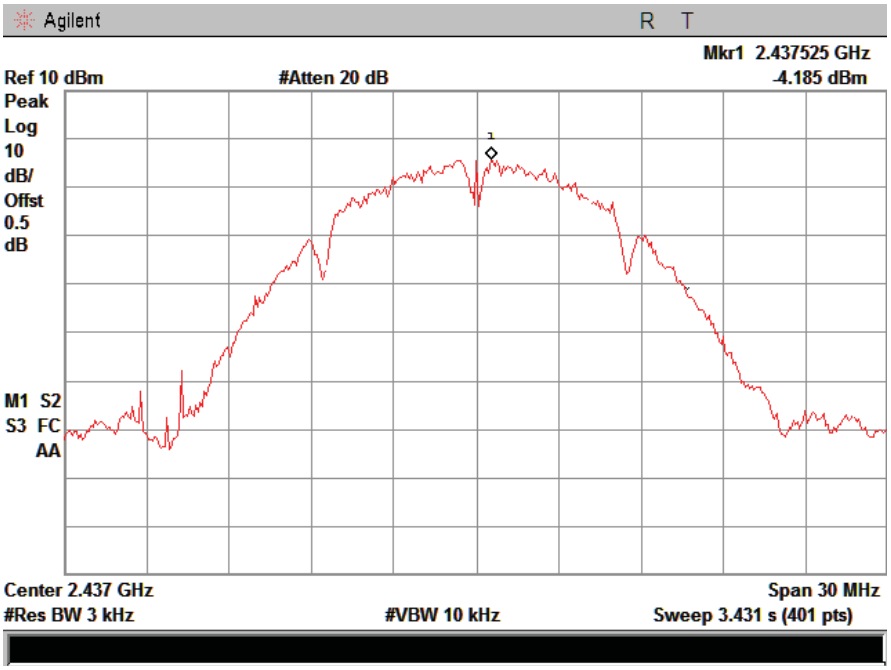
For ant 0:

IEEE 802.11b:

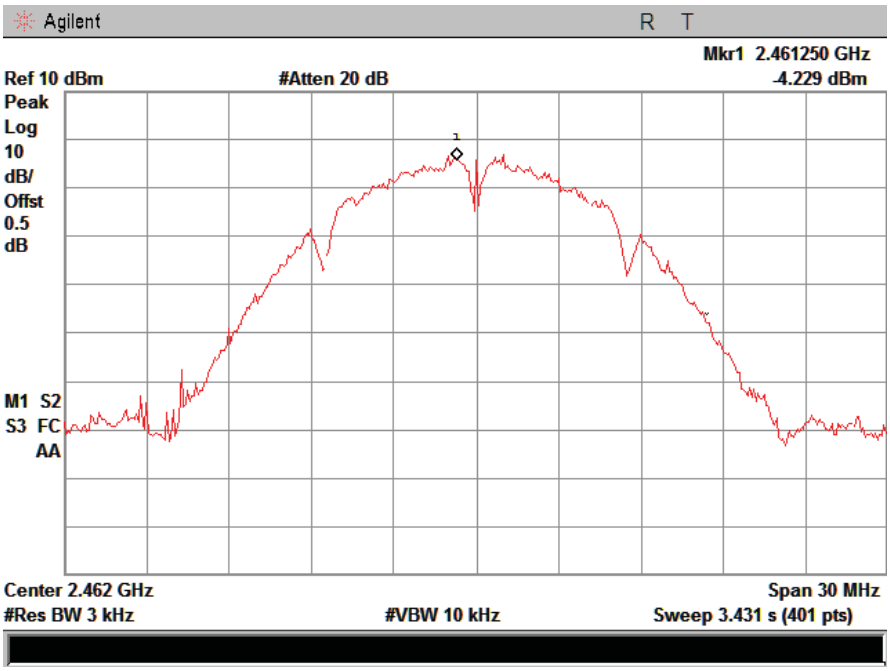
CH Low :



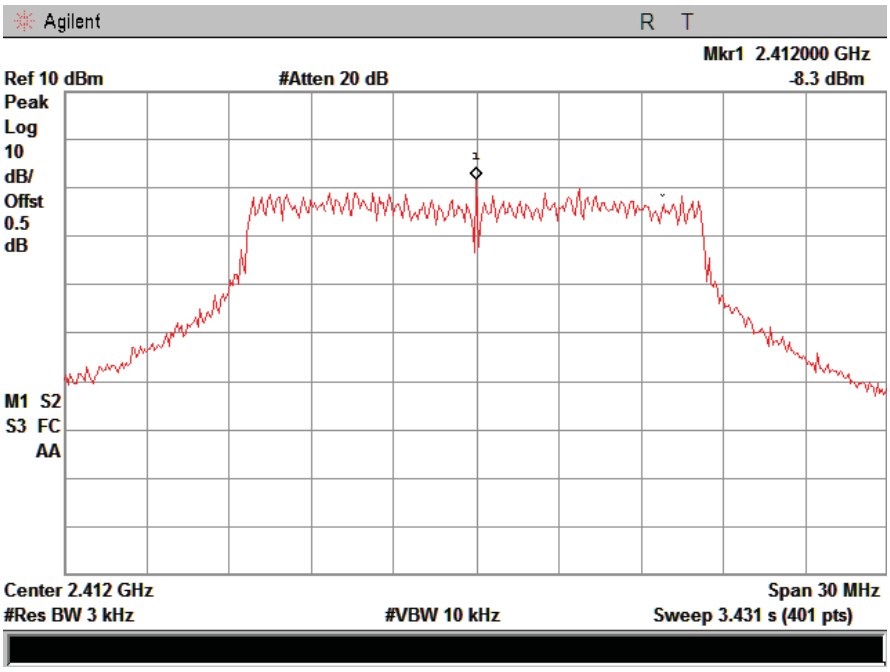
CH Mid :



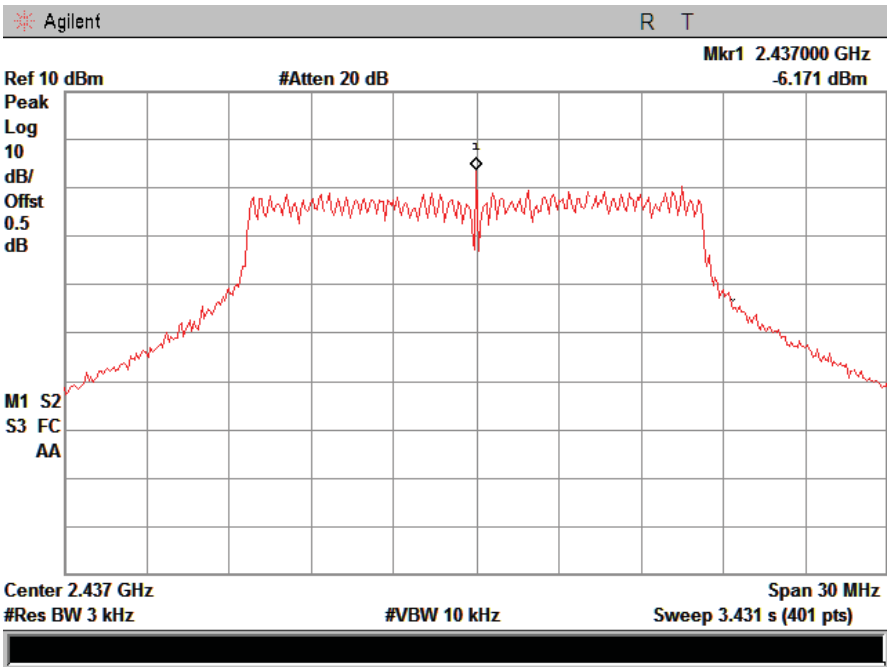
CH High :



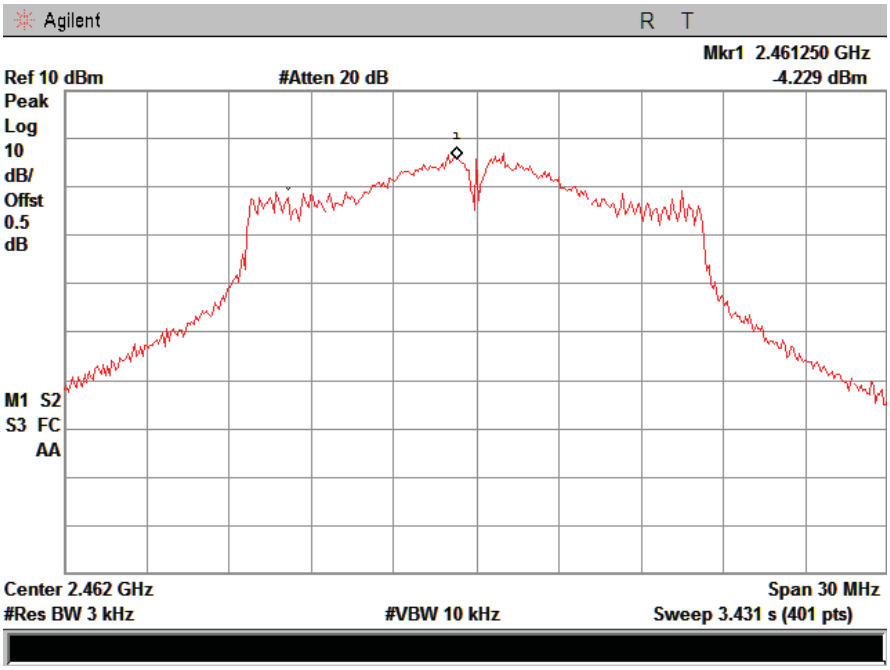
IEEE 802.11g:
CH Low :



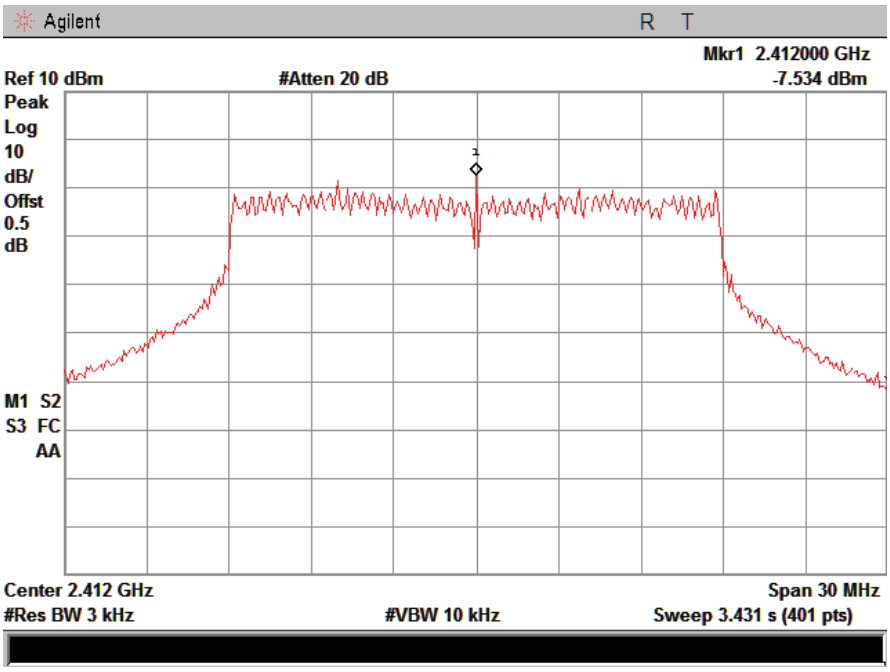
CH Mid :



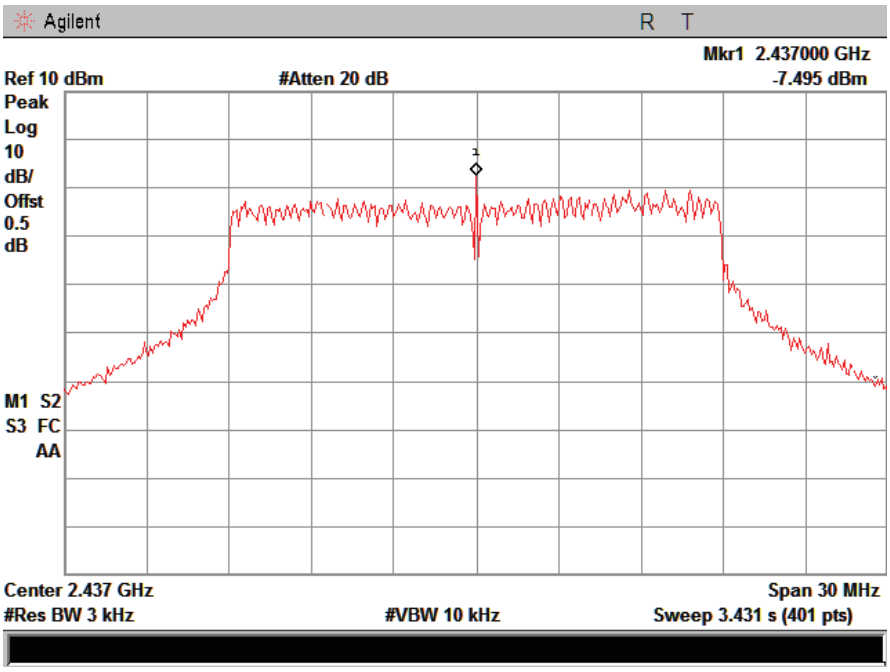
CH High :



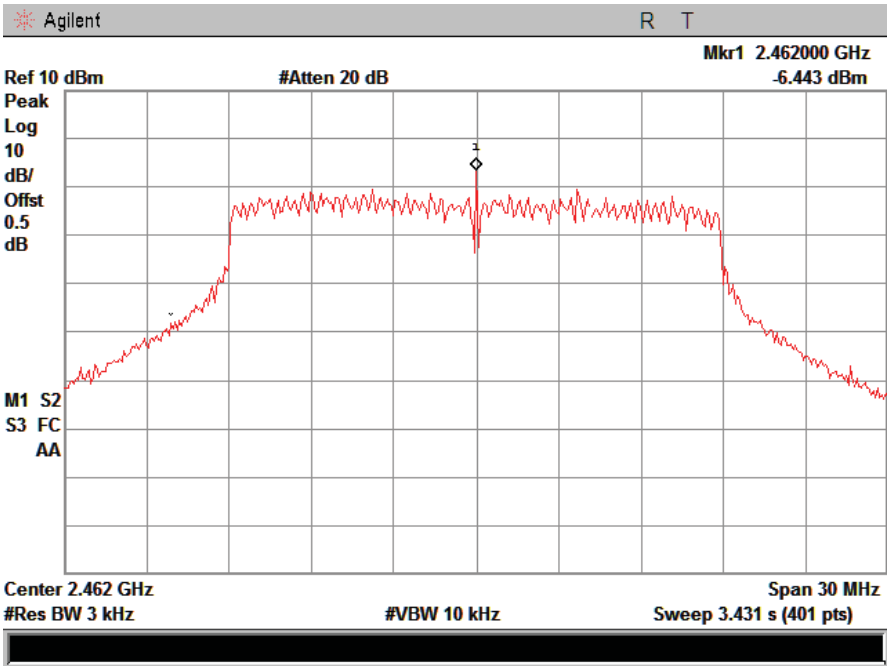
IEEE 802.11n/HT20 with 2.4G:
CH Low :



CH Mid :

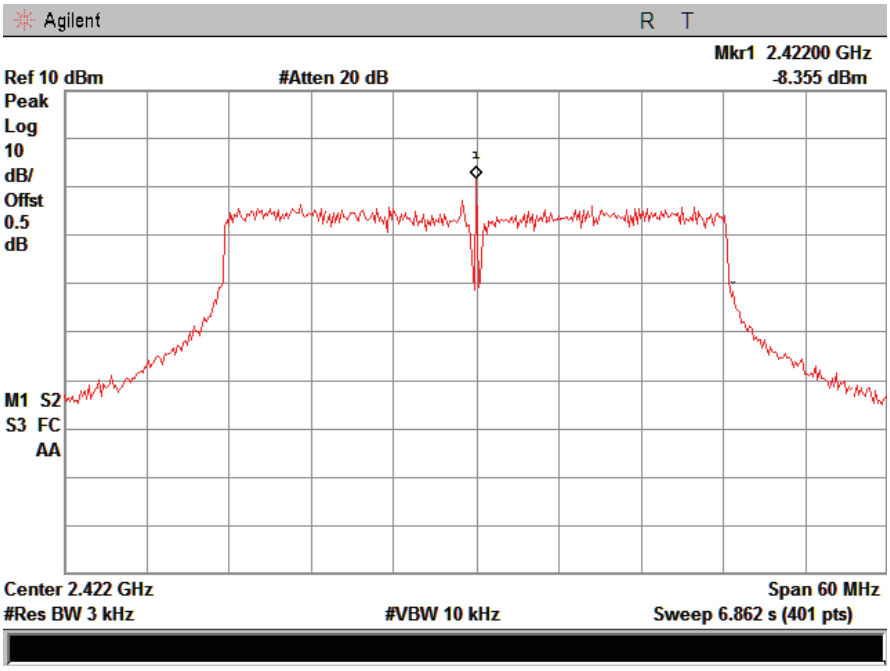


CH High :

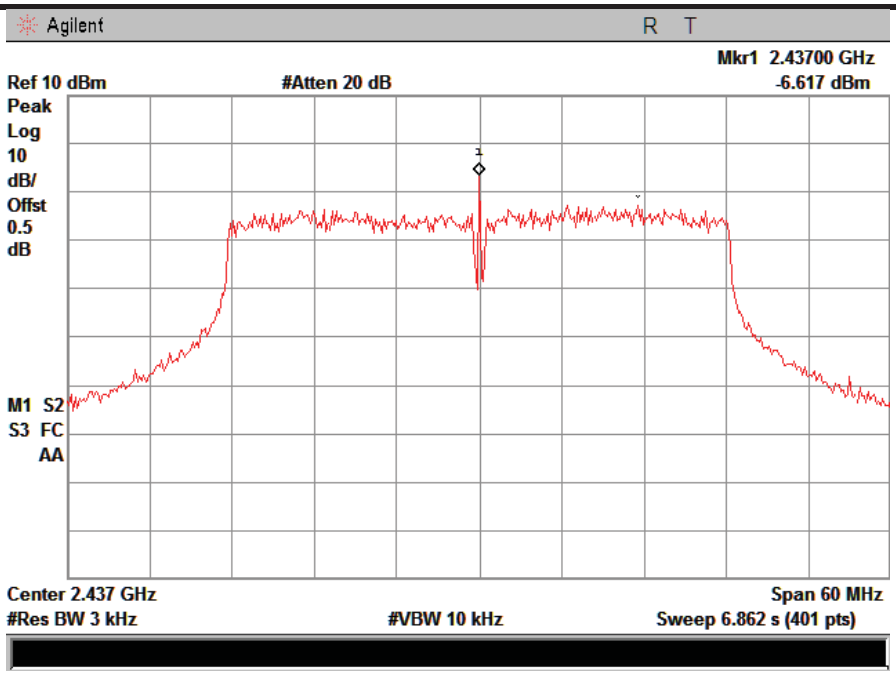


IEEE 802.11n/HT40 with 2.4G:

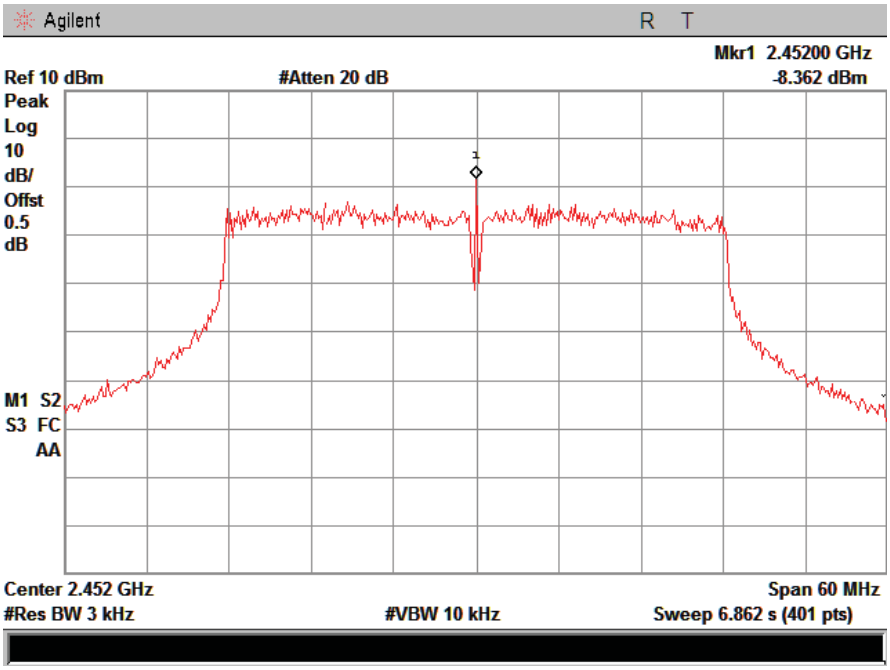
CH Low :



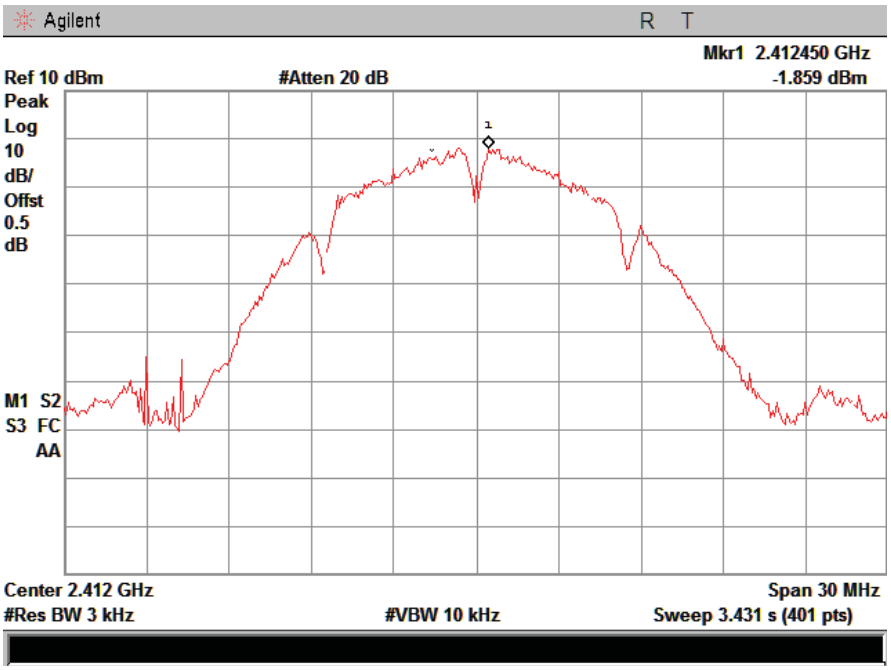
CH Mid :


Agilent
R T
Mkr1 2.43700 GHz
Ref 10 dBm
#Atten 20 dB
-6.617 dBm
Peak
Log
10
dB/
Offst
0.5
dB
M1 S2
S3 FC
AA
Center 2.437 GHz
Span 60 MHz
#Res BW 3 kHz
#VBW 10 kHz
Sweep 6.862 s (401 pts)

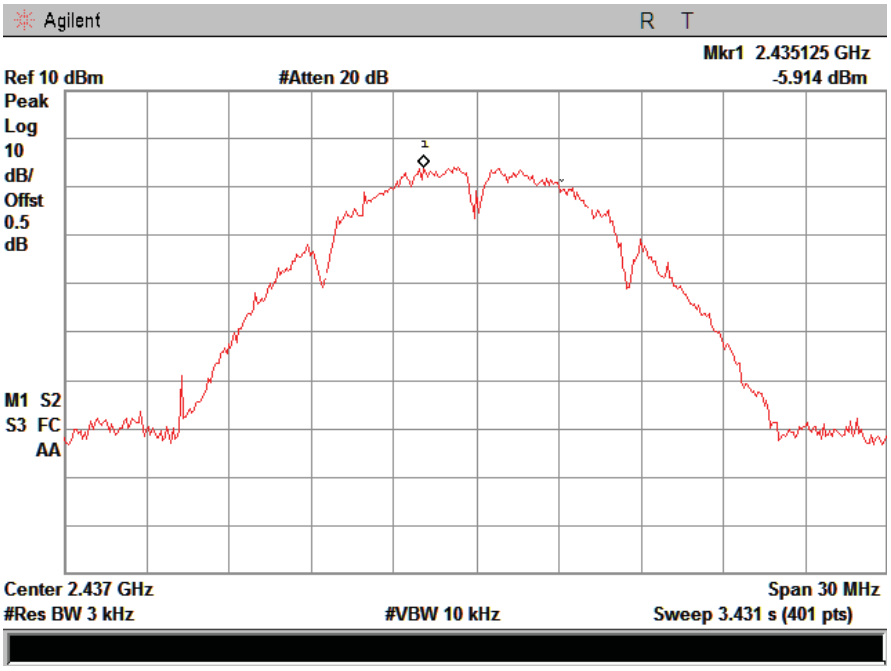
CH High :


Agilent
R T
Mkr1 2.45200 GHz
Ref 10 dBm
#Atten 20 dB
-8.362 dBm
Peak
Log
10
dB/
Offst
0.5
dB
M1 S2
S3 FC
AA
Center 2.452 GHz
Span 60 MHz
#Res BW 3 kHz
#VBW 10 kHz
Sweep 6.862 s (401 pts)

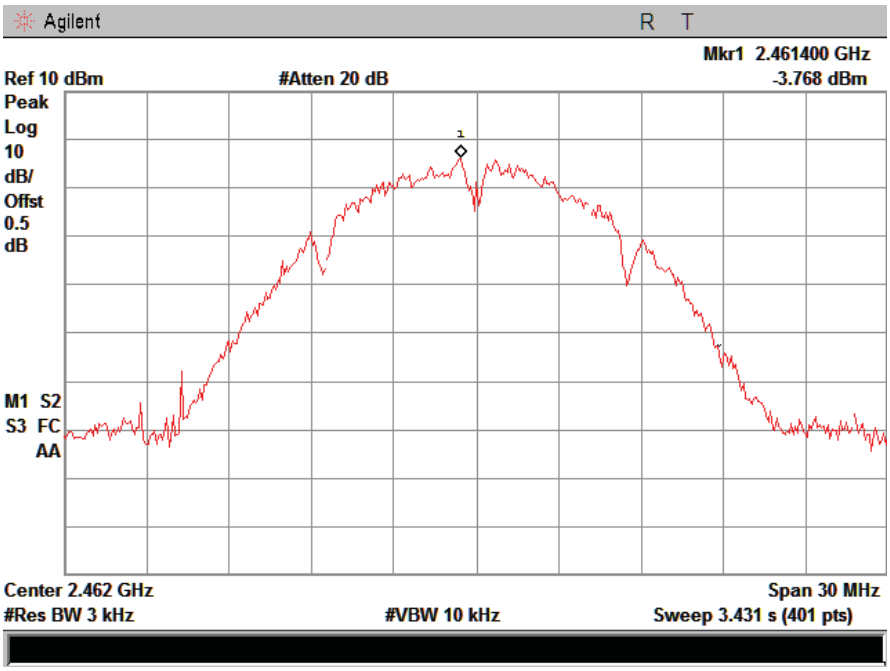
For ant1:
IEEE 802.11b:
CH Low :



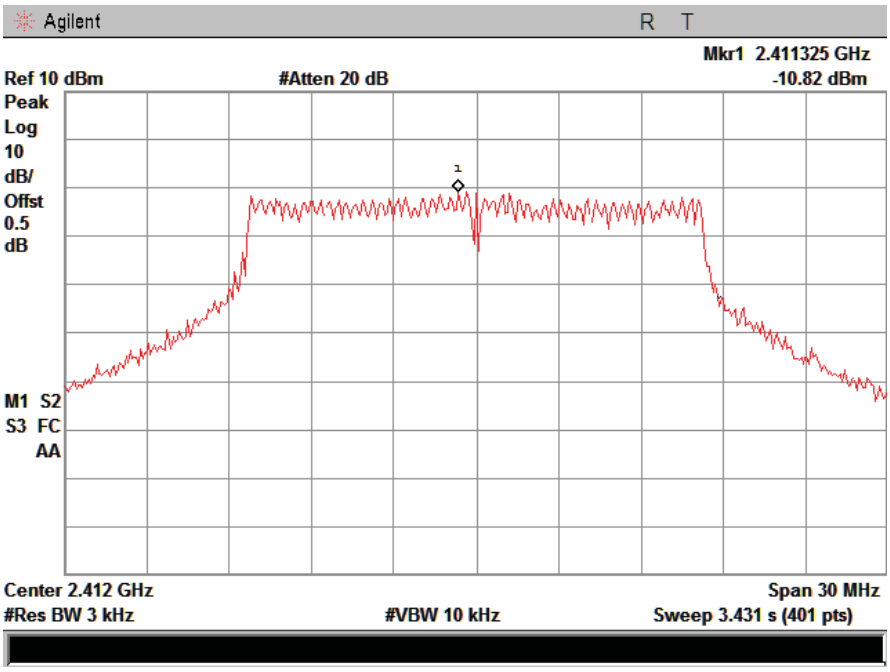
CH Mid :



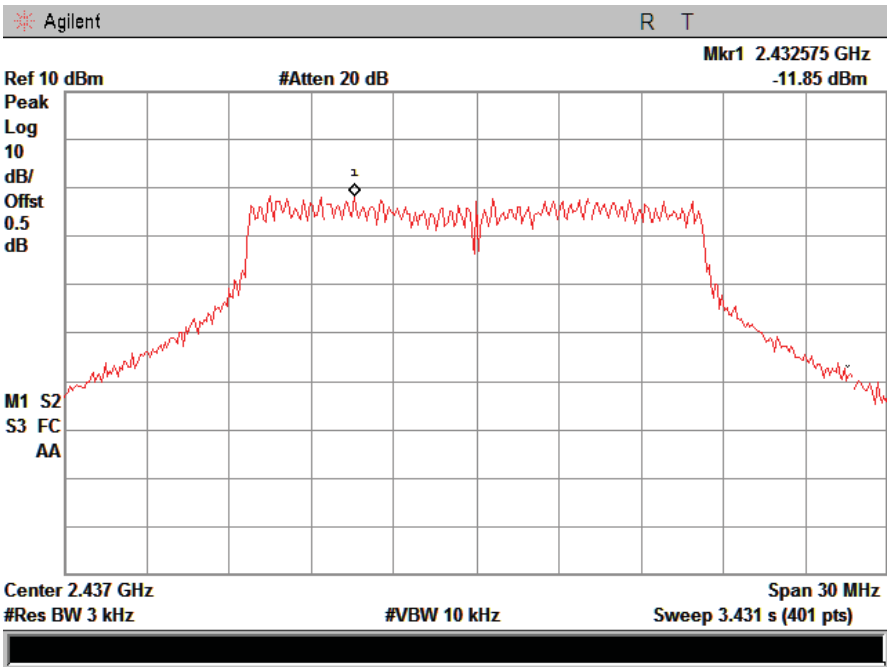
CH High :



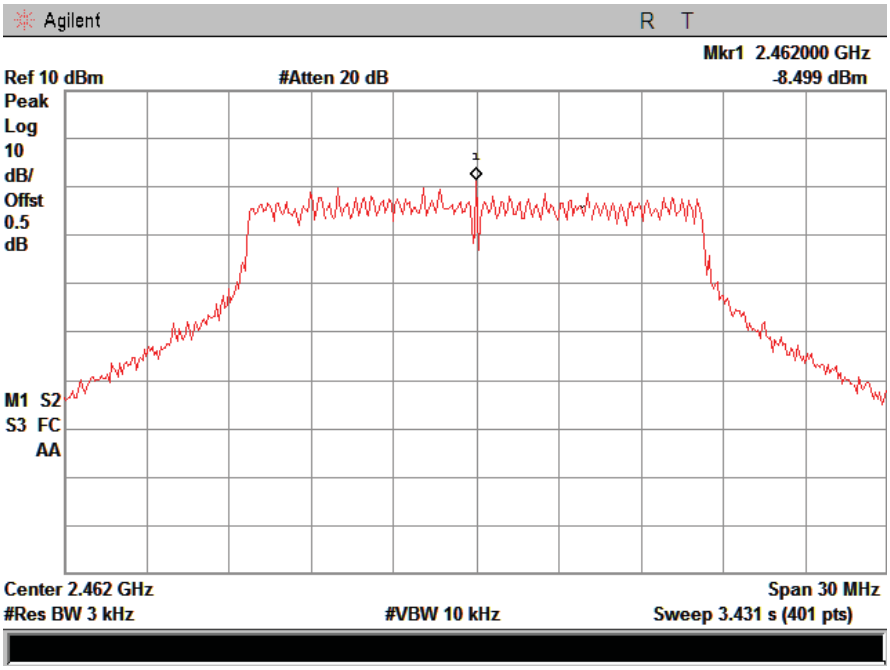
IEEE 802.11g:
CH Low :



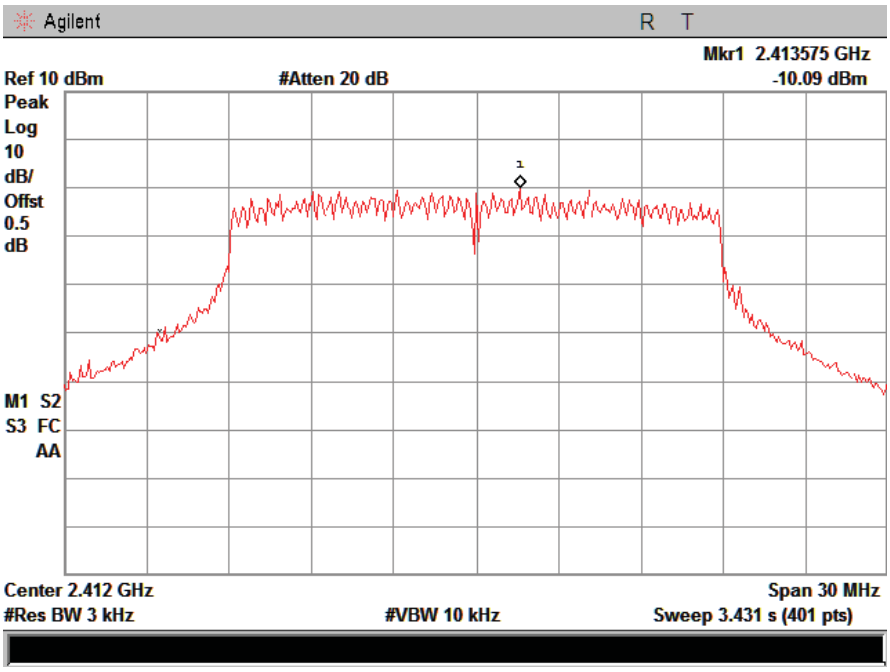
CH Mid :



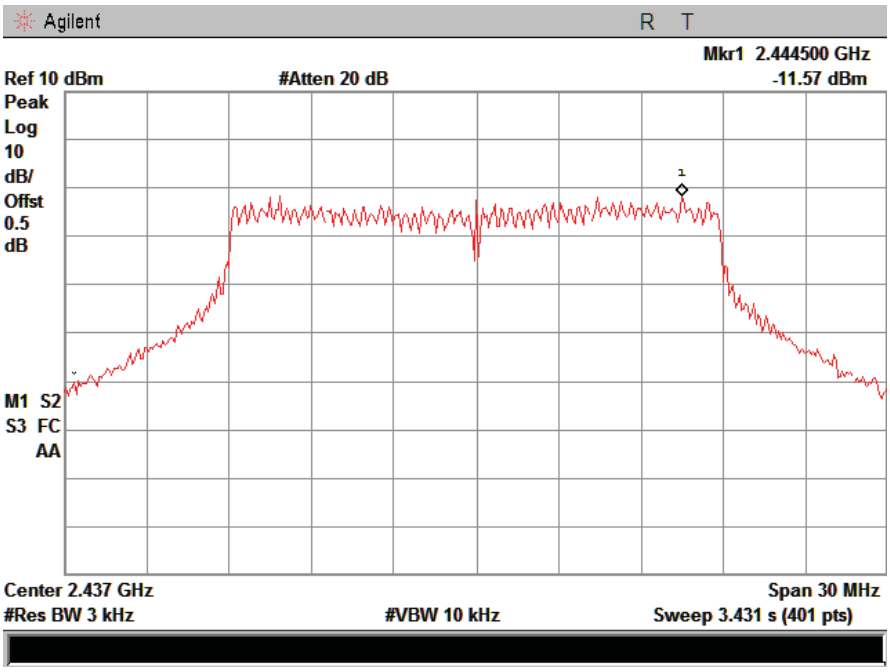
CH High :



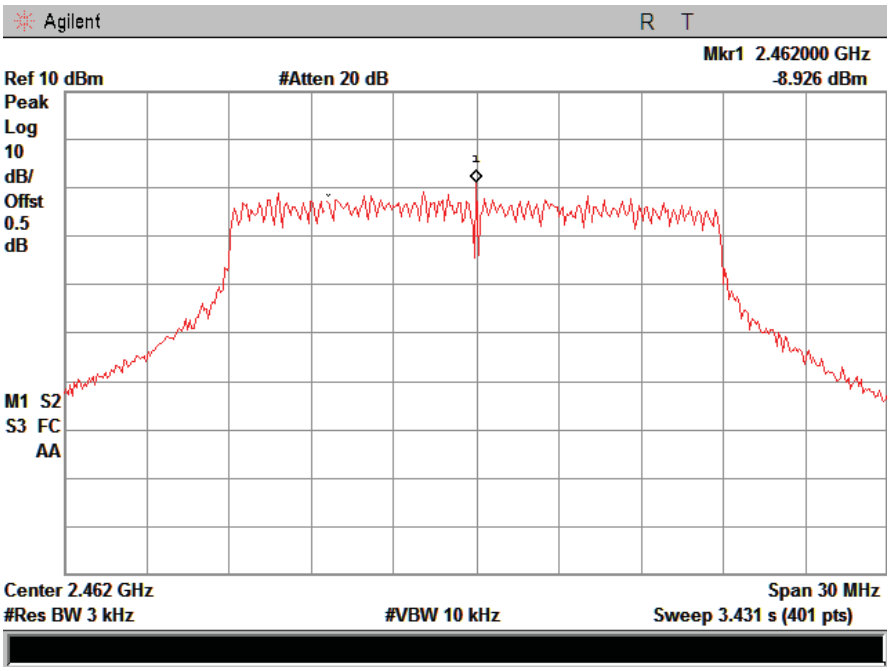
IEEE 802.11n/HT20 with 2.4G:
CH Low :



CH Mid :

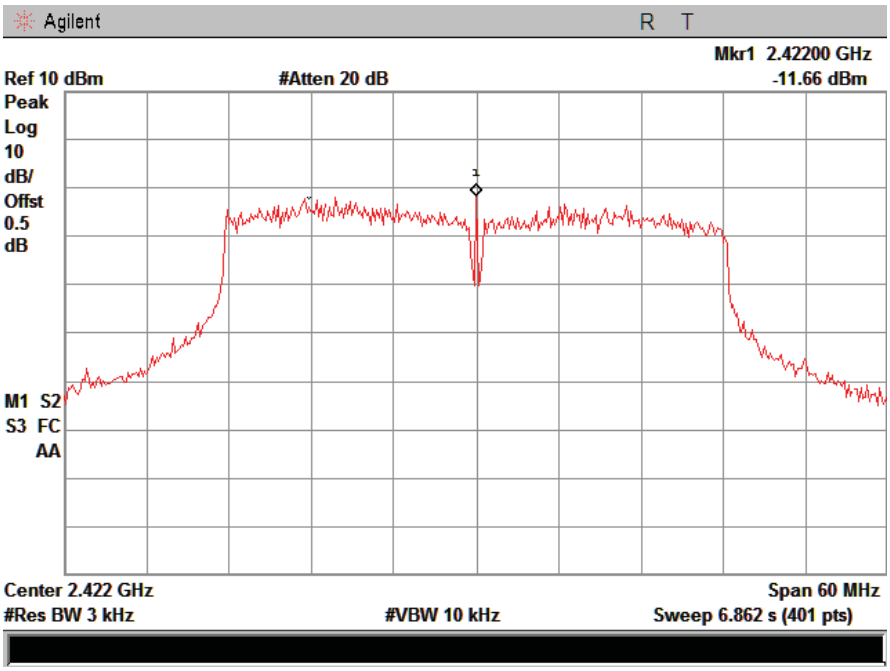


CH High :

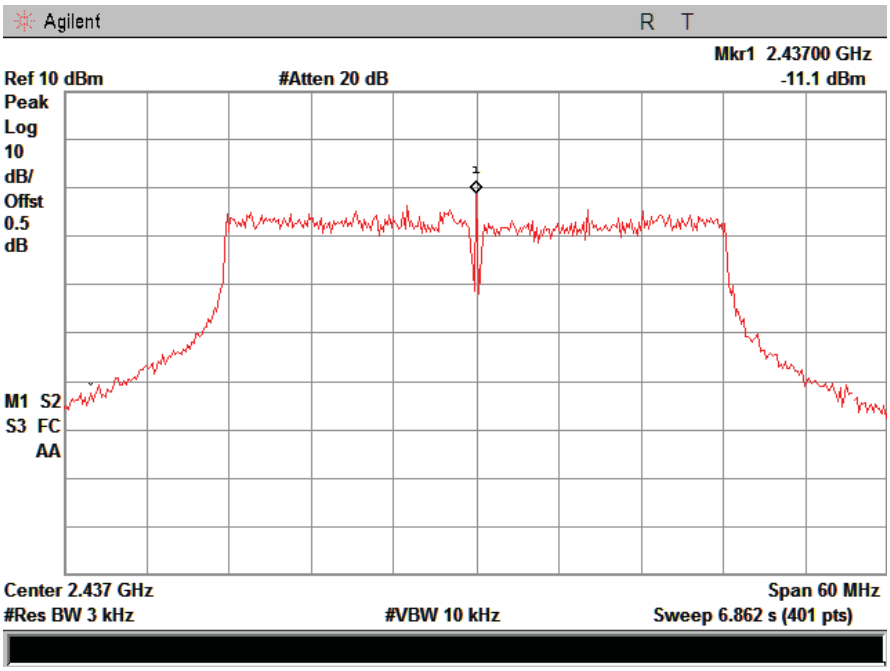


IEEE 802.11n/HT40 with 2.4G:

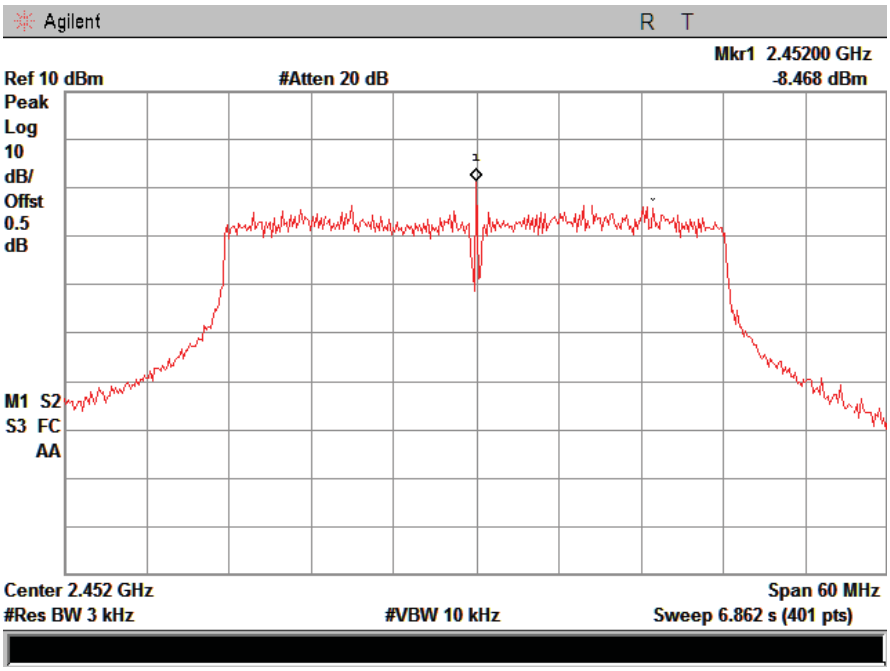
CH Low :



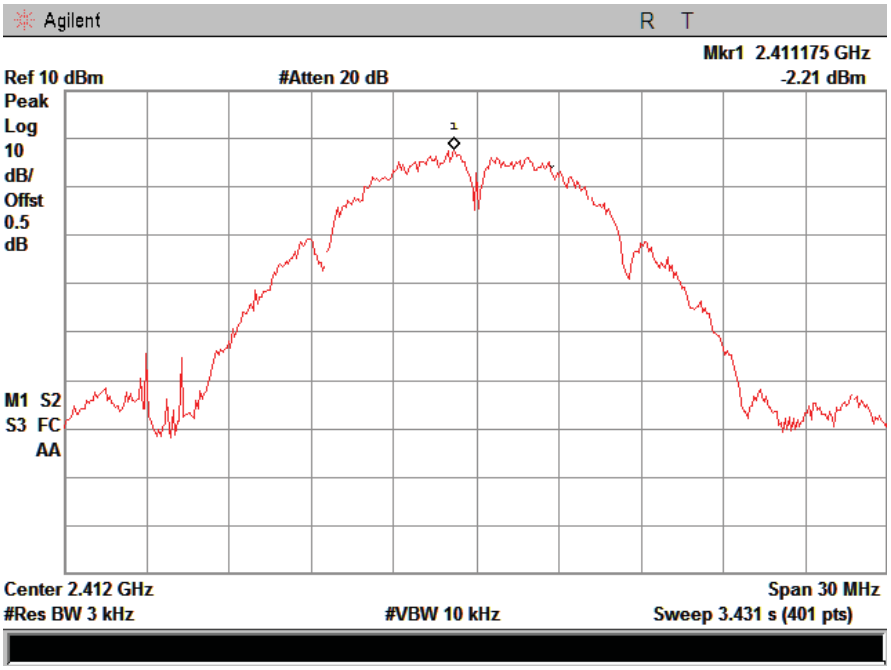
CH Mid :



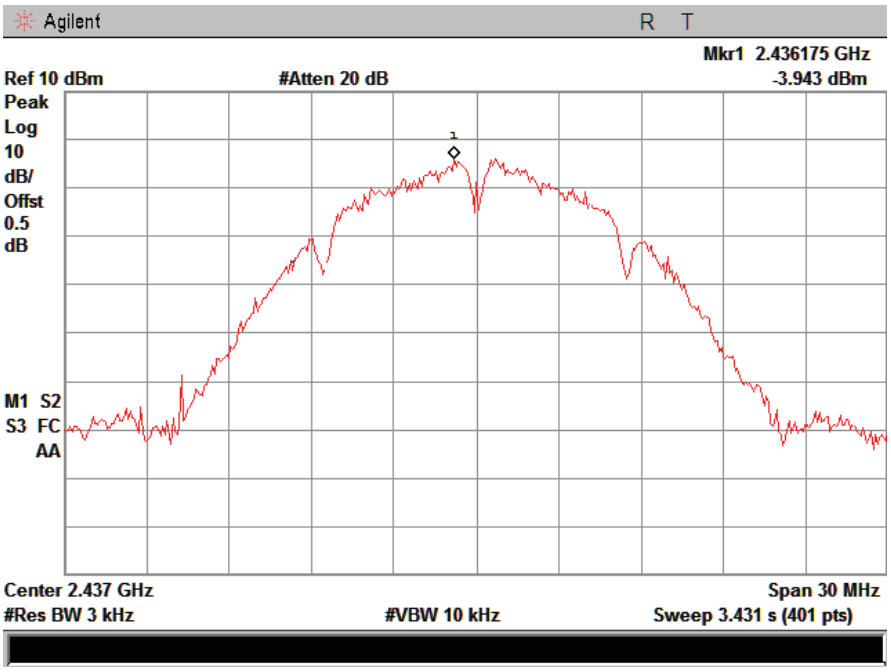
CH High :



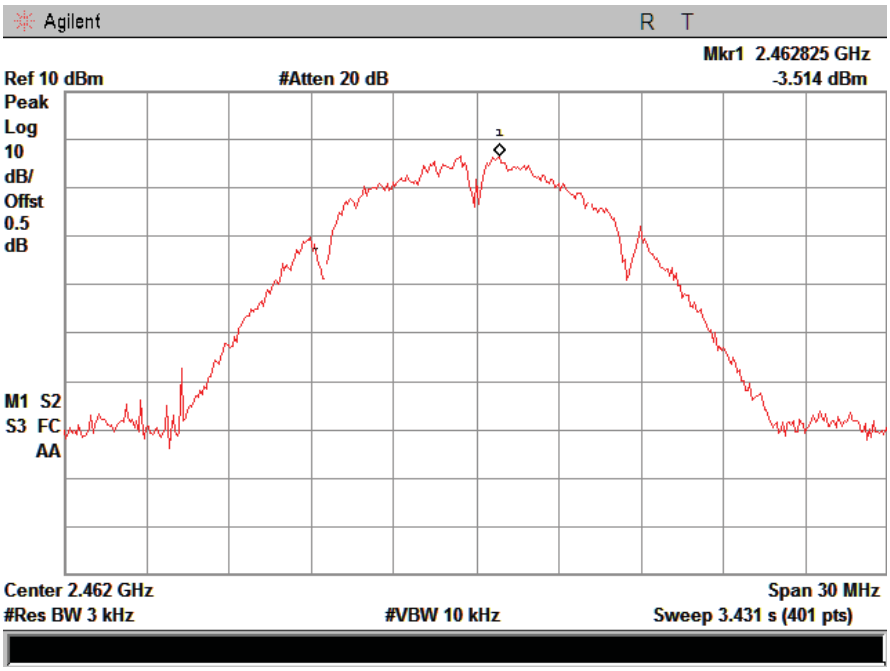
For ant2:
IEEE 802.11b:
CH Low :



CH Mid

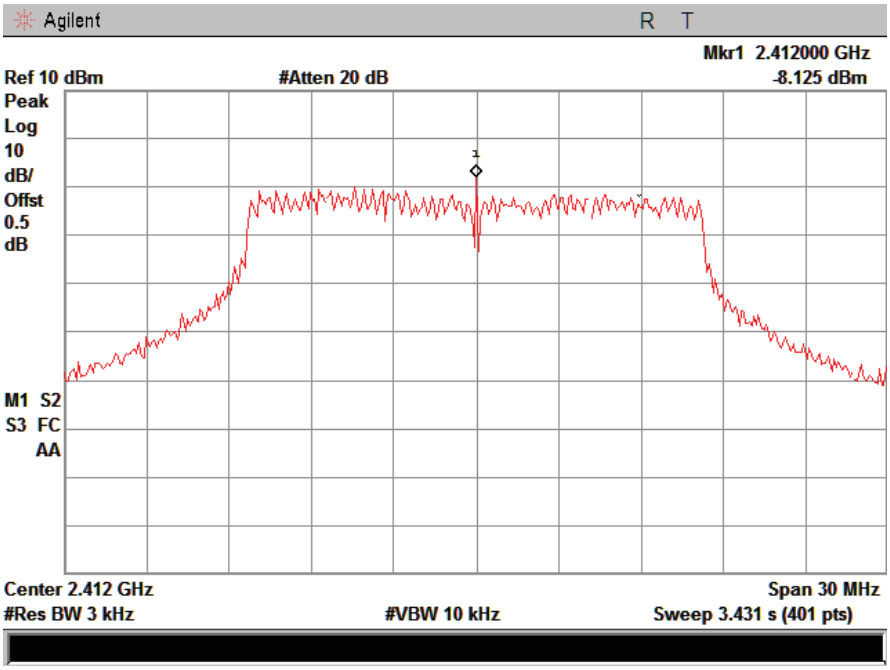


CH High

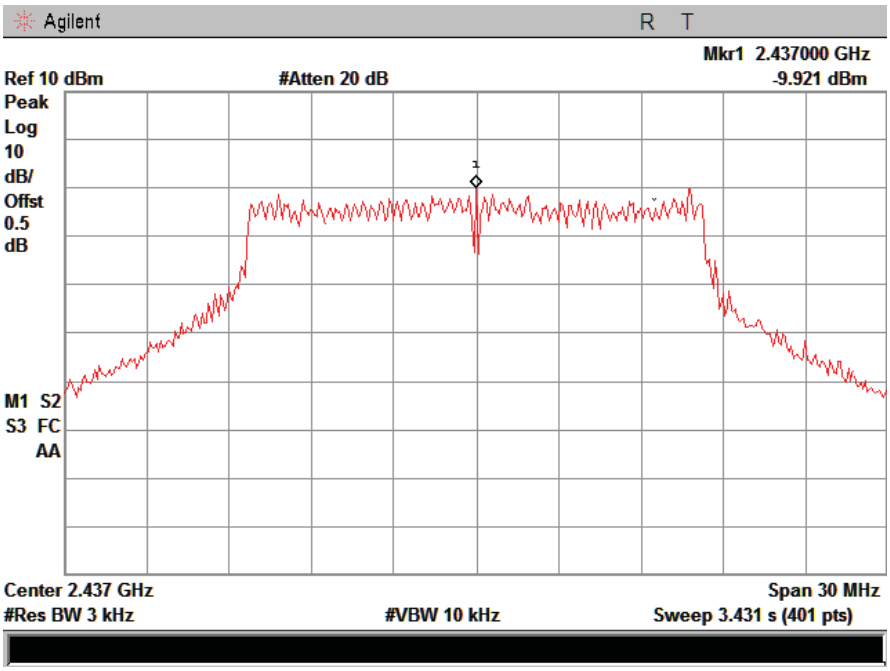


IEEE 802.11g:

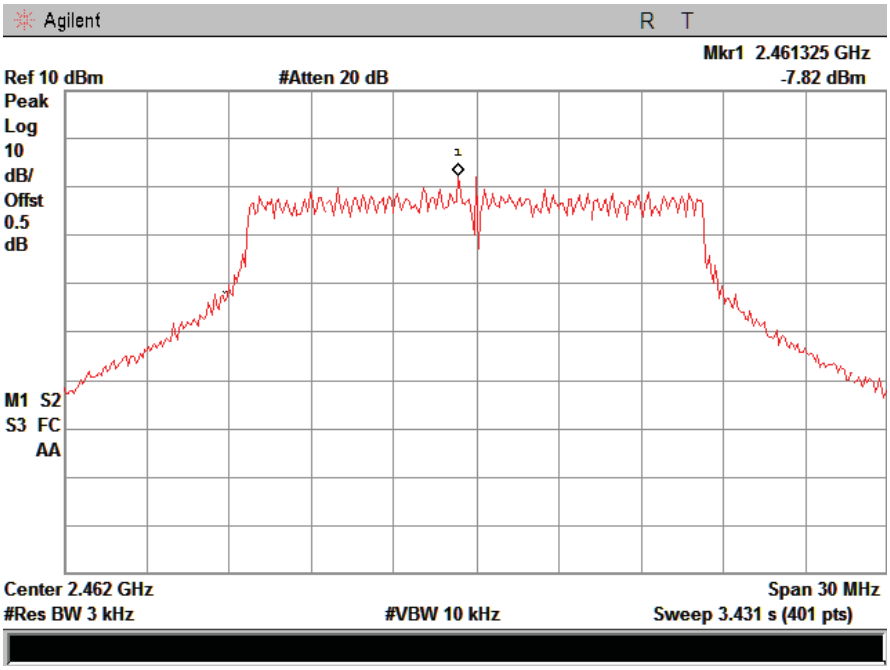
CH Low :



CH Mid

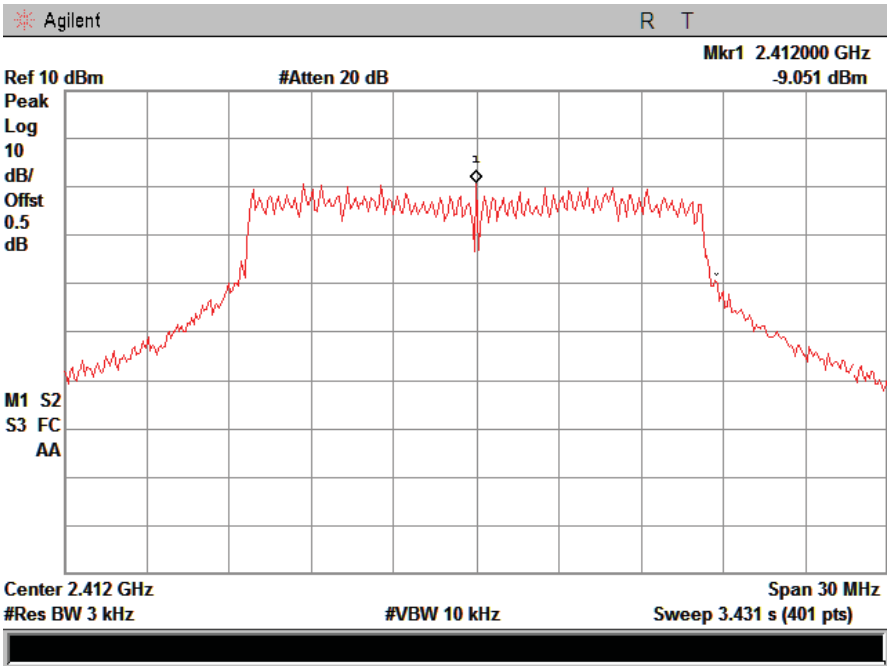


CH High

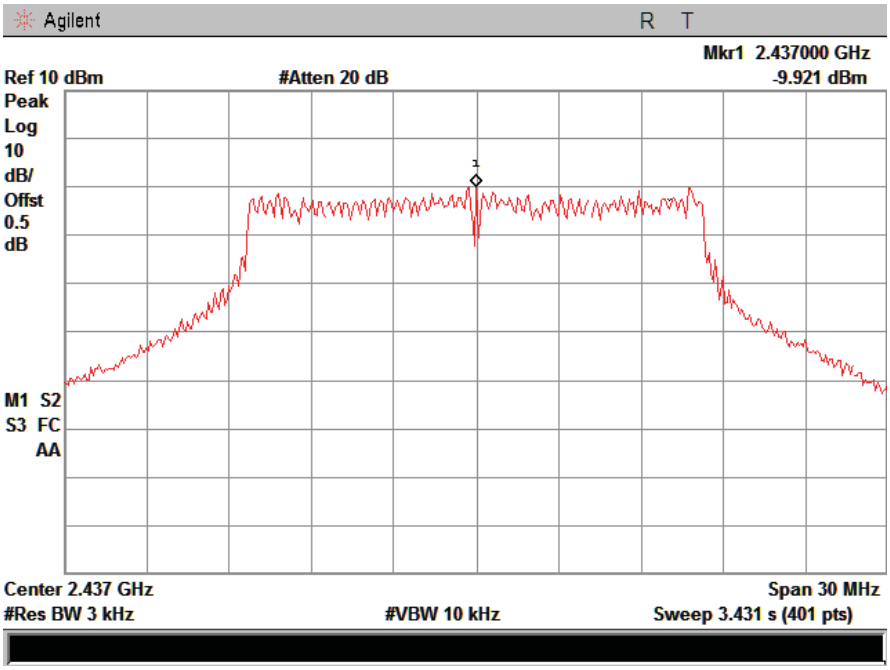


IEEE 802.11n HT20:

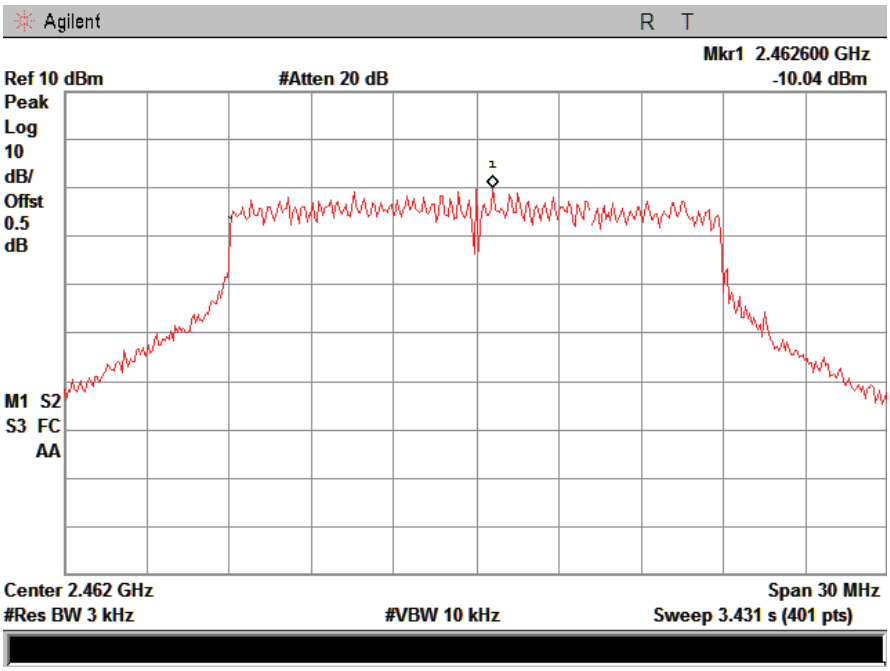
CH Low :



CH Mid

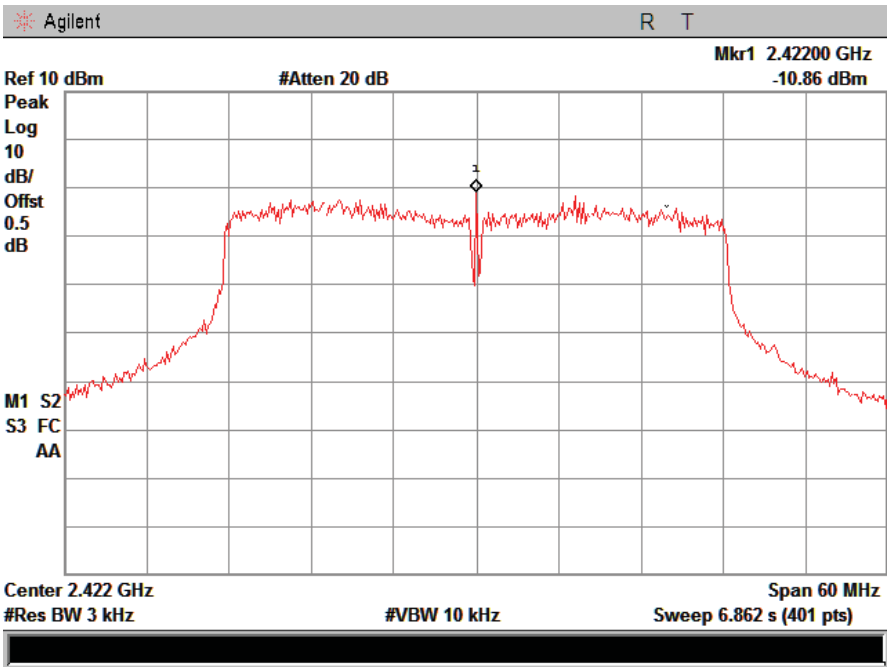


CH High

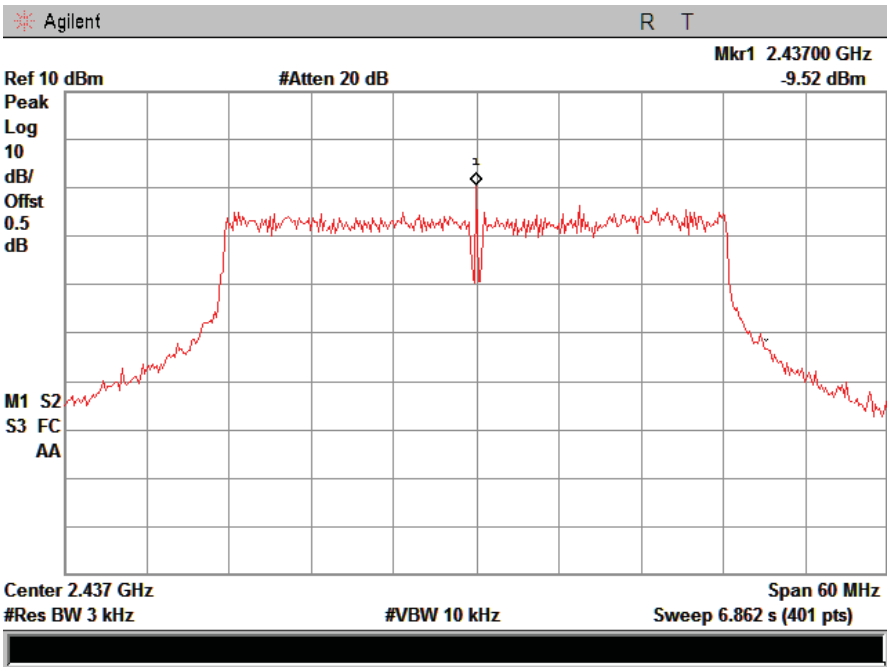


IEEE 802.11n HT40:

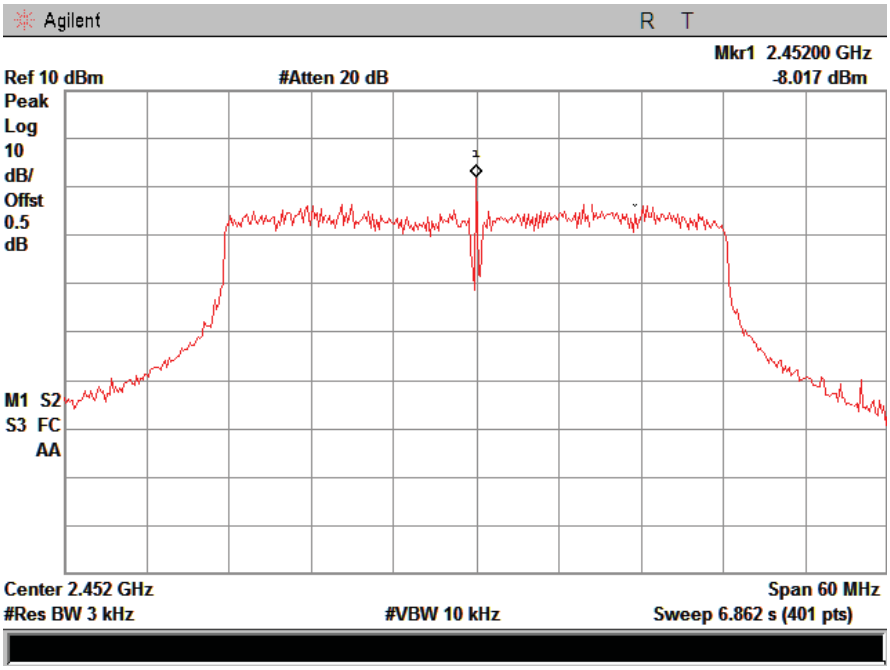
CH Low :



CH Mid



CH High



Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 a with 5.8G:				
Low	5745	-14.74	8	PASS
Mid	5785	-13.97	8	PASS
High	5825	-15.4	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5745	-15.24	8	PASS
Mid	5785	-15.76	8	PASS
High	5825	-16.18	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5755	-16.4	8	PASS
High	5795	-19.94	8	PASS
Note: This test with port 0 antenna.				

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 a with 5.8G:				
Low	5745	-15.47	8	PASS
Mid	5785	-14.04	8	PASS
High	5825	-15.4	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5745	-14.95	8	PASS
Mid	5785	-16.24	8	PASS
High	5825	-16.21	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5755	-18.32	8	PASS
High	5795	-19.46	8	PASS
Note: This test with port 1 antenna.				

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 a with 5.8G:				
Low	5745	-15.33	8	PASS
Mid	5785	-16.55	8	PASS
High	5825	-16.22	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5745	-15.6	8	PASS
Mid	5785	-16.72	8	PASS
High	5825	-15.86	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5755	-18.58	8	PASS
High	5795	-19.48	8	PASS
Note: This test with port 2 antenna.				

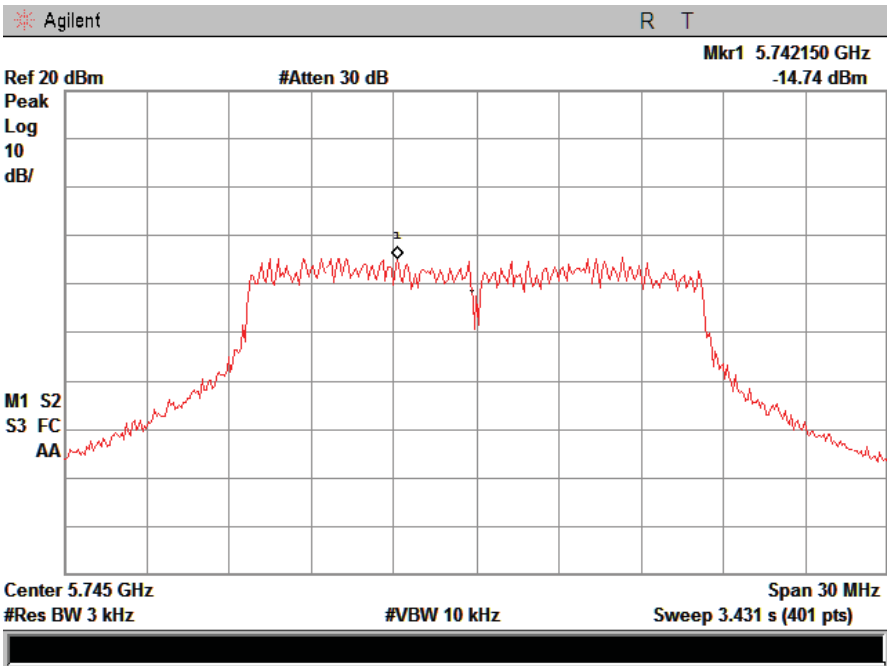
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 a with 5.8G:				
Low	5745	-10.40	8	PASS
Mid	5785	-9.93	8	PASS
High	5825	-10.89	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5745	-10.48	8	PASS
Mid	5785	-11.45	8	PASS
High	5825	-11.31	8	PASS
IEEE 802.11 n/HT40 with 5.8G:				
Low	5755	-12.88	8	PASS
High	5795	-14.85	8	PASS

Note: 1 The result of sum of port0，port 1 and port 2 antenna.
2 According to KDB 662911, power density = 10log(10ant0+10ant1/10+10(ant2/10))
3 Result unit: W, The end PK Output power result is converted to units of dBm.

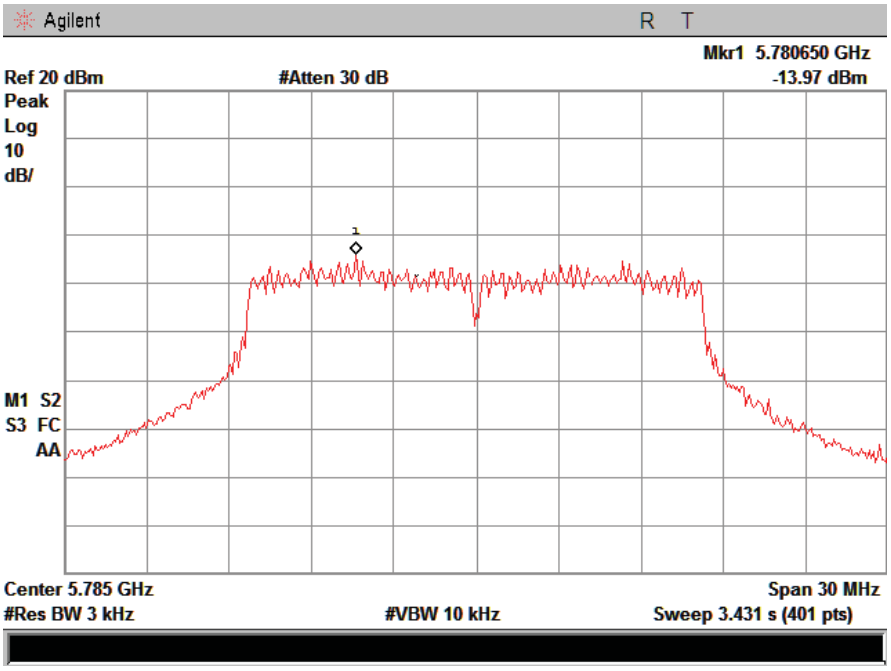
port 0antenna

IEEE 802.11a with 5.8G:

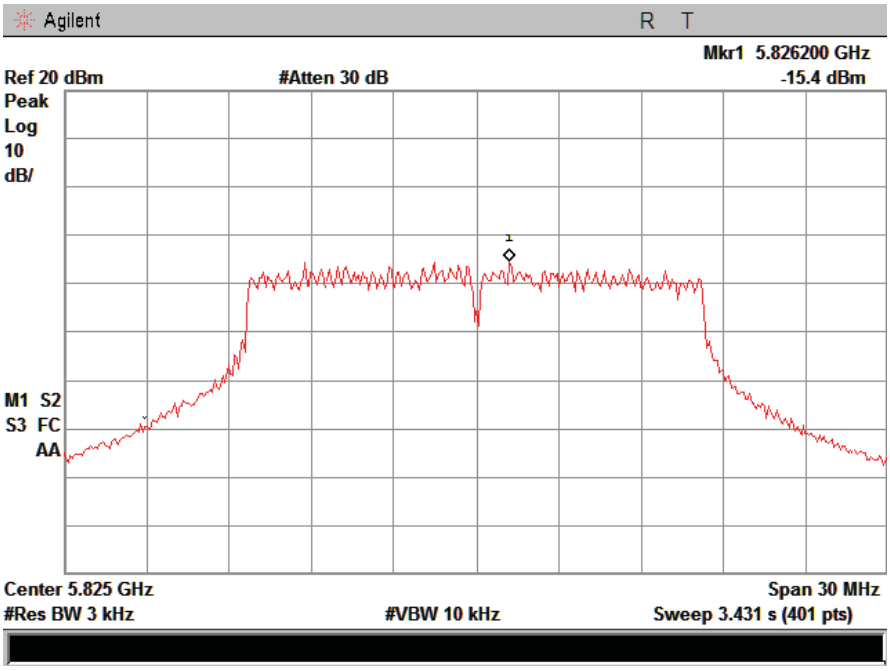
CH Low :



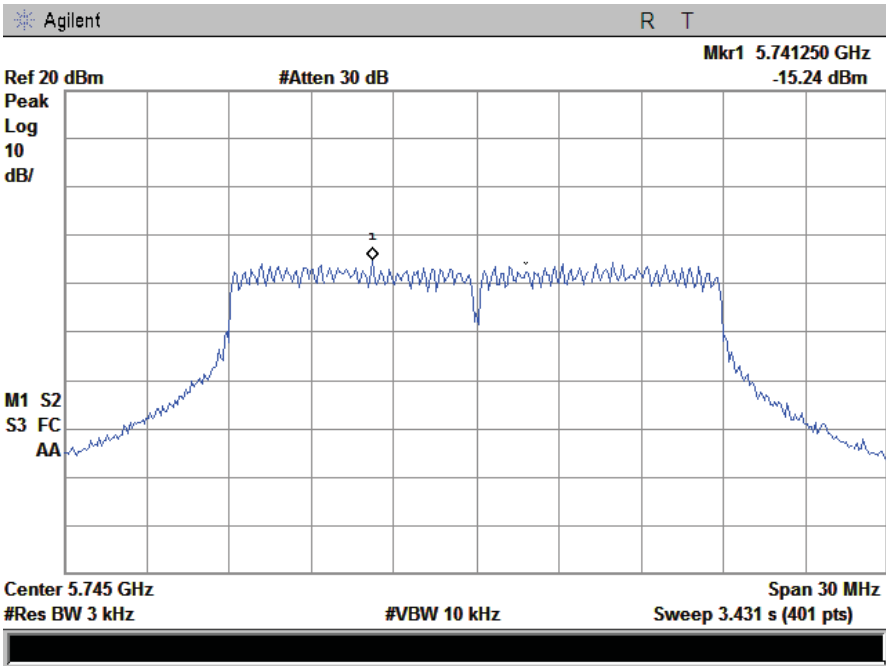
CH Mid:



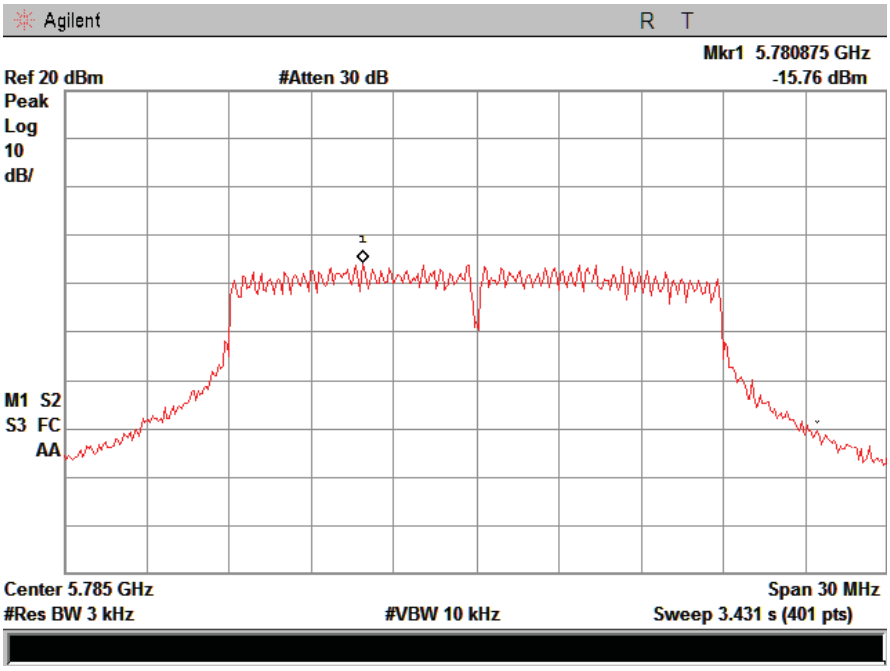
CH Hig:



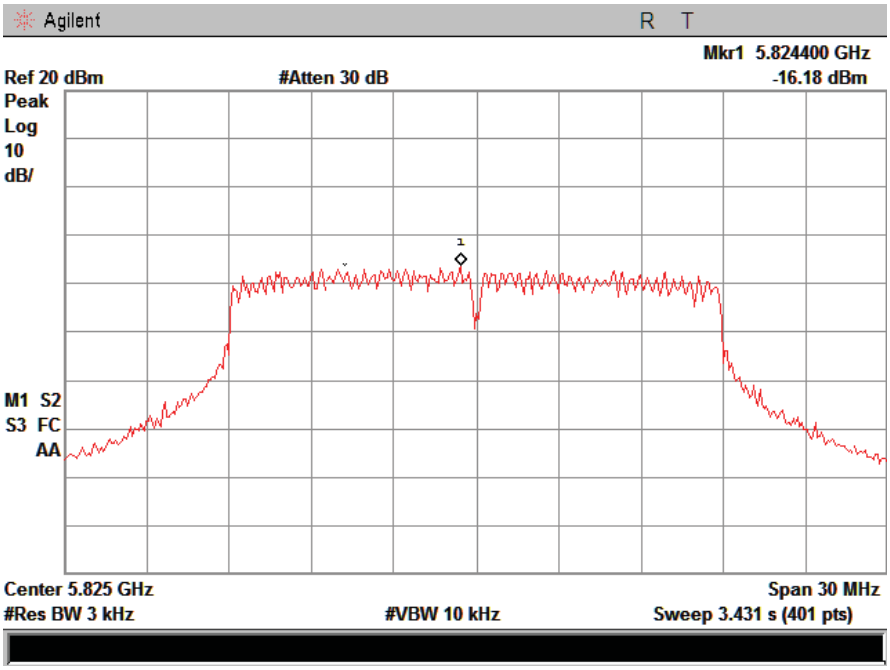
IEEE 802.11n HT20 with 5.8G:
CH Low :



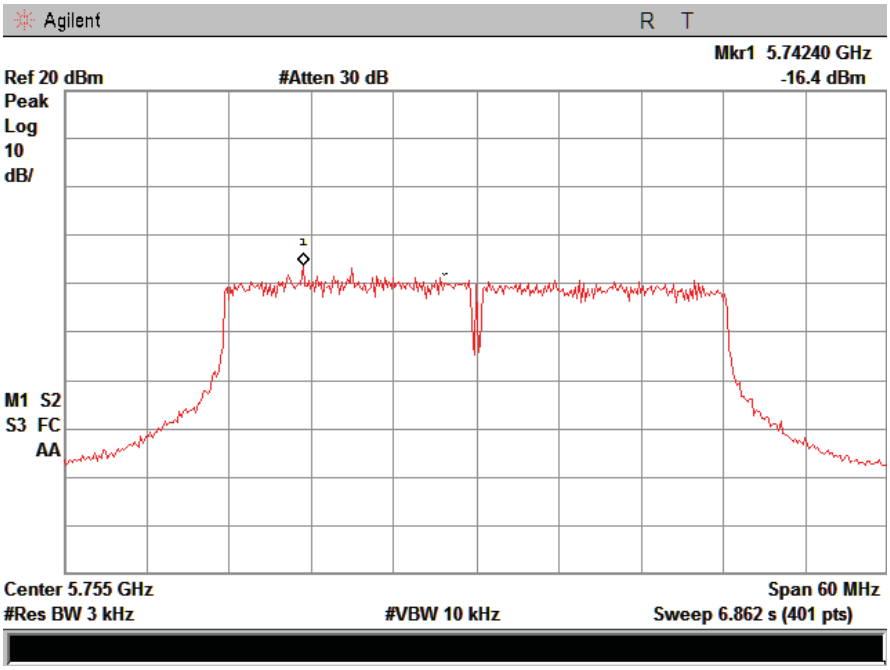
CH Mid:


Agilent
R T
Mkr1 5.780875 GHz
Ref 20 dBm
#Atten 30 dB
-15.76 dBm
Peak
Log
10
dB/
M1 S2
S3 FC
AA
Center 5.785 GHz
Span 30 MHz
#Res BW 3 kHz
#VBW 10 kHz
Sweep 3.431 s (401 pts)

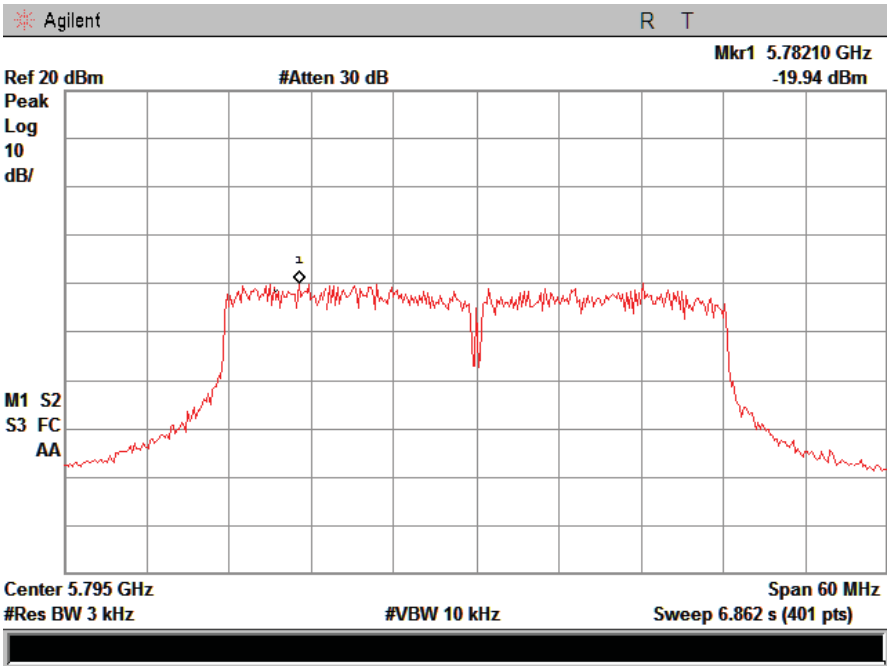
CH Hig:


Agilent
R T
Mkr1 5.824400 GHz
Ref 20 dBm
#Atten 30 dB
-16.18 dBm
Peak
Log
10
dB/
M1 S2
S3 FC
AA
Center 5.825 GHz
Span 30 MHz
#Res BW 3 kHz
#VBW 10 kHz
Sweep 3.431 s (401 pts)

IEEE 802.11n HT40 with 5.8G:
CH Low :



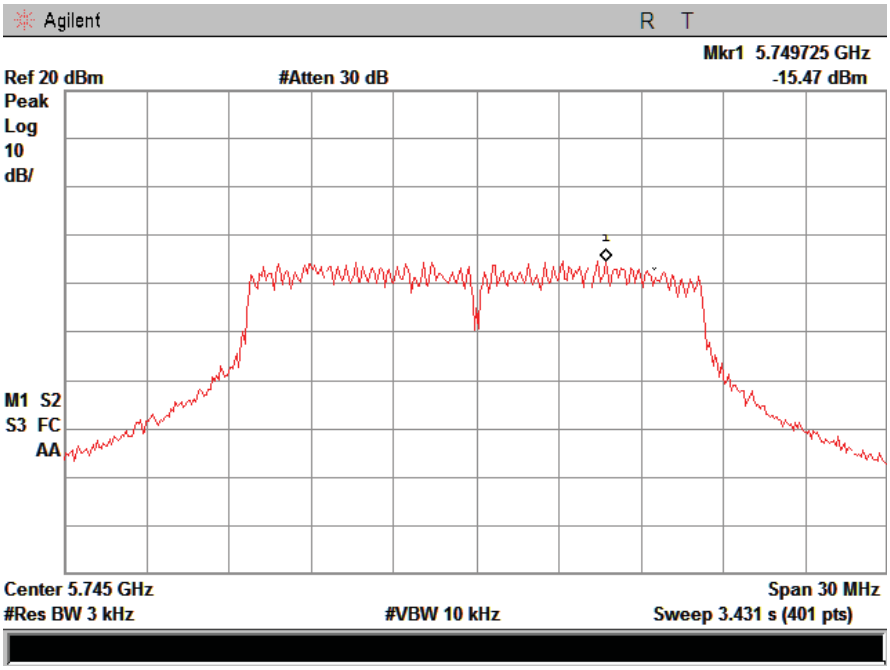
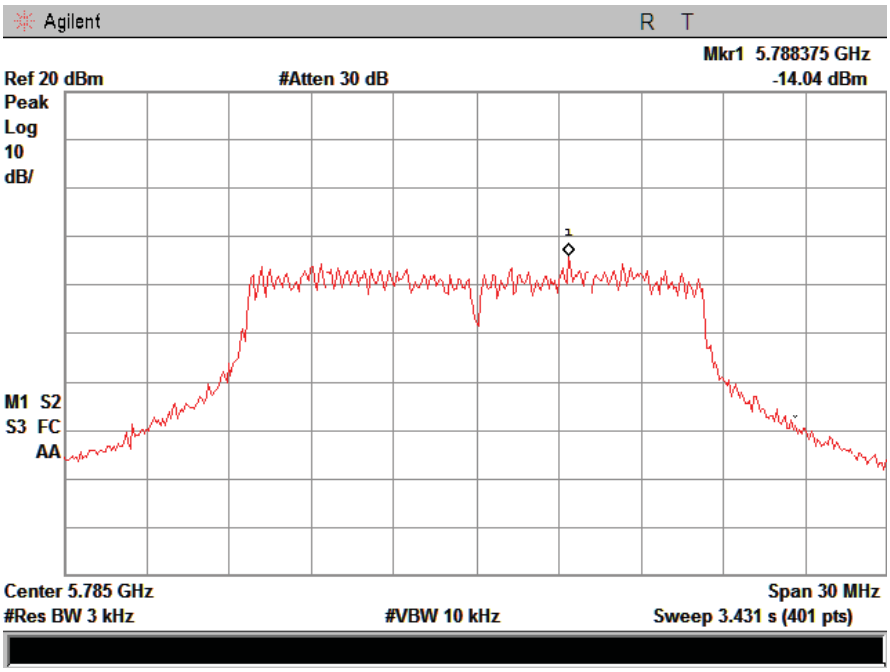
CH Hig:



port 1 antenna

IEEE 802.11a with 5.8G:

CH Low :



CH Mid: