FCC Test Report

Application Purpose	:	Original grant
Applicant Name:	:	INFINIX MOBILITY LIMITED
FCC ID	:	2AIZN-X602
Equipment Type	:	Mobile phone
Model Name	:	X602
Report Number	:	FCC16093968A-7
Standard(S)	:	FCC Part 15 Subpart E
Date Of Receipt	:	September 05, 2016
Date Of Issue	:	October 19, 2016

Test By :

(Daisy Qin)

Reviewed By :

(Sol Qin)

Authorized by :

(Michal Ling)

Prepared by :

QTC Certification & Testing Co., Ltd.
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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	October 19, 2016	Valid	Original Report

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1. GENERAL INFORMATION

GENERAL DESCRIPTION OF EUT

Test Model	X602
Applicant	INFINIX MOBILITY LIMITED
Address	RMS 05-15, 13A/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON RD TST KLN HONG KONG
Manufacturer	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Address	1-4th Floor,3rd Building,Pacific Industrial Park,No.2088,Shenyan Road,Yantian District,Shenzhen,Guangdong,China
Equipment Type	Mobile phone
Brand Name	Infinix
Hardware version:	V1.1_B1-BOM
Software version:	X602-H972B1-M-160823V7
Extreme Temp. Tolerance	-10℃ to +65℃
Battery information:	Li-Polymer Battery : BL-40FX Voltage: 3.85V Capacity: 4000mAh Limited Charge Voltage: 4.4V
Adapter Information:	Adapter: CQ-18KX Input: 100-240V 50/60Hz 600mA Output: 5V-6V 3A Output: 6V-9V 2A Output: 9V-12V 1.5A
Operating Frequency	see the below table
Channels	see the below table
Channel Spacing	see the below table
Modulation Type	see the below table
Antenna Type:	PIFA Antenna
Antenna gain:	-4dBi
Data of receipt	September 05, 2016
Date of test	September 05, 2016 to October 19 , 2016
Deviation	None
Condition of Test Sample	Normal

EUT Specification:

Items	Description	
Modulation	IEEE 802.11a: OFDM IEEE 802.11n: see the below table IEEE 802.11ac: see the below table	
Data Modulation	IEEE 802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) IEEE 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)	
Data Rate (Mbps)	IEEE 802.11a: OFDM 6,9,12,18,24,36,48, and 54 Mbps IEEE 802.11n: MCS 0-15 up to 150 Mbps IEEE 802.11ac: MCS 0-9 up to 866.7 Mbps	
Frequency Range	Band 1: 5150 MHz ~ 5250 MHz Band 2: 5250 MHz ~ 5350 MHz Band 4: 5725 MHz ~ 5850 MHz	
Channel Number	13 for 20MHz bandwidth ; 6 for 40MHz bandwidth ; 3 for 80MHz bandwidth	
Communication Mode	☒IP Based (Load Based)	☐Frame Based
TPC Function	☐With TPC	☒Without TPC
Weather Band	☐With 5600~5650MHz	☒Without 5600~5650MHz
Beamforming Function	☐With beamforming	☒Without beamforming
Operating Mode	☐Outdoor access point	☐Indoor access point
	☐Fixed point-to-point access points	☒Mobile and portable client devices
	☐Master	☐Slave with radar detection
	☒Slave without radar detection	

Antenna	One (TX)		
Band width Mode	20 MHz	40 MHz	80 MHz
IEEE 802.11a	V	X	X
IEEE 802.11n	V	V	X
IEEE 802.11ac	V	V	V

Protocol	Number of Transmit Chains (NTX)	Data Rate / MCS
802.11n (HT20)	1	MCS 0-15
802.11n (HT40)	1	MCS 0-15
802.11ac (HT20)	1	MCS 0-9
802.11ac (HT40)	1	MCS 0-9
802.11ac (HT80)	1	MCS 0-9

Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 and HT80 (HT: High Throughput). Then EUT supports HT20 and HT40 and HT80.
Note 2: Modulation modes consist of below configuration:
HT20/HT40: IEEE 802.11n
HT20/HT40/HT80: IEEE 802.11ac

We hereby certify that:

All measurement facilities used to collect the measurement data are located at QTC Certification & Testing Co., Ltd.

Registration Number: 588523

The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C 63.10:2013. The sample tested as described in this report is in compliance with the FCC Rules Part15 Subpart E.
All the testing was referenced KDB NO. 789033 D02 v01r03.
The test results of this report relate only to the tested sample identified in this report.

2. TEST DESCRIPTION

2.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %。

No.	Item	Uncertainty
1	Conducted Emission Test	±3.2dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(<1G)	±4.7dB
5	All emissions, radiated(>1G)	±4.7dB
6	Temperature	±0.5°C
7	Humidity	±2%

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11a
Mode 2	802.11n20
Mode 3	802.11n40
Mode 4	802.11ac20
Mode 5	802.11ac40
Mode 6	802.11ac80

For Conducted Emission	
Final Test Mode	Description
Mode 1	802.11a

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11a
Mode 2	802.11n20
Mode 3	802.11n40
Mode 4	802.11ac20
Mode 5	802.11ac40
Mode 6	802.11ac80

Note:

(1) The measurements are performed at the highest, lowest available channels.

(2) The EUT use new battery.

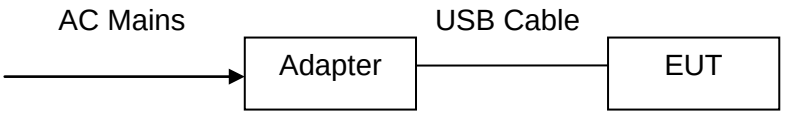
(3) Record the worst case of each test item in this report.

2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

Test Software	N/A											
Test program	*#3646633#*											
Mode	Test Frequency (MHz)											
	NCB: 20MHz											
802.11a	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz						
802.11n MCS0 VHT20	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz						
802.11ac MCS9 VHT20	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz						
Mode	NCB: 40MHz											
802.11n MCS0 VHT40	5190 MHz	5230 MHz	5270 MHz	5310 MHz	5755 MHz	5795 MHz						
802.11ac MCS9 VHT40	5190 MHz	5230 MHz	5270 MHz	5310 MHz	5755 MHz	5795 MHz						
Mode	NCB: 80MHz											
802.11ac MCS9 VHT80	5210 MHz	5290 MHz	5775 MHz									
During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.												

2.4 CONFIGURATION OF SYSTEM UNDER TEST



(EUT: Mobile phone)

I/O Port of EUT			
I/O Port Type	**Q'TY**	**Cable**	**Tested with**
USB port	1	1m USB cable, unshielded	1
Power	1	1m	1

2.5 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	Adapter	/	CQ-18KX	/	/
2	Earphone	/	N/A	/	/

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".
(4) The adapter supply by the applicant.

3. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 Subpart C&E			
Standard Section	Test Item	Judgment	Remark
2.1049 15.403(i)	26dB & 99% Bandwidth	PASS	Complies
15.407(e)	6dB Spectrum Bandwidth	PASS	Complies
15.407(a)	Maximum Conducted Output Power	PASS	Complies
15.407(a)	Power Spectral Density	PASS	Complies
15.407(b)	Unwanted Emissions	PASS	Complies
15.207	AC Conducted Emission	PASS	Complies
15.407(g)	Frequency Stability	PASS	Complies
15.407(c)	Automatically Discontinue Transmission	PASS	Complies
15.203 & 15.407(a)	Antenna Requirement	PASS	Complies
15.407(h)	Transmit Power Control (TPC) and Dynamic Frequency Selection (DFS)	PASS	Complies

NOTE:

(1)” N/A” denotes test is not applicable in this test report.

4. MEASUREMENT INSTRUMENTS

NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	**Calibration Date**	**Calibration Due.**
EMI Test Receiver	R&S	ESCI	100005	08/19/2016	08/18/2017
LISN	AFJ	LS16	16010222119	08/19/2016	08/18/2017
LISN(EUT)	Mestec	AN3016	04/10040	08/19/2016	08/18/2017
Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	08/19/2016	08/18/2017
Coaxial cable	Megalon	LMR400	N/A	08/12/2016	08/11/2017
GPIB cable	Megalon	GPIB	N/A	08/12/2016	08/11/2017
Spectrum Analyzer	R&S	FSU	100114	08/19/2016	08/18/2017
Pre Amplifier	H.P.	HP8447E	2945A02715	10/13/2016	10/12/2017
Pre-Amplifier	CDSI	PAP-1G18-38	--	10/13/2016	10/12/2017
Bi-log Antenna	SUNOL Sciences	JB3	A021907	09/13/2016	09/12/2017
9*6*6 Anechoic	--	--	--	08/21/2016	08/20/2017
Horn Antenna	COMPLIANCE ENGINEERING	CE18000	--	09/13/2016	09/12/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	08/23/2016	08/22/2017
Cable	TIME MICROWAVE	LMR-400	N-TYPE04	04/25/2016	04/24/2017
System-Controller	CCS	N/A	N/A	N.C.R	N.C.R
Turn Table	CCS	N/A	N/A	N.C.R	N.C.R
Antenna Tower	CCS	N/A	N/A	N.C.R	N.C.R
RF cable	Murata	MXHQ87WA3000	-	08/21/2016	08/20/2017
Loop Antenna	EMCO	6502	00042960	08/22/2016	08/21/2017
Horn Antenna	SCHWARZBECK	BBHA 9170	1123	08/19/2016	08/18/2017
Power meter	Anritsu	ML2487A	6K00003613	08/23/2016	08/22/2017
Power sensor	Anritsu	MX248XD	--	08/19/2016	08/18/2017

5. EMC EMISSION TEST

5.1 CONDUCTED EMISSION MEASUREMENT

5.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

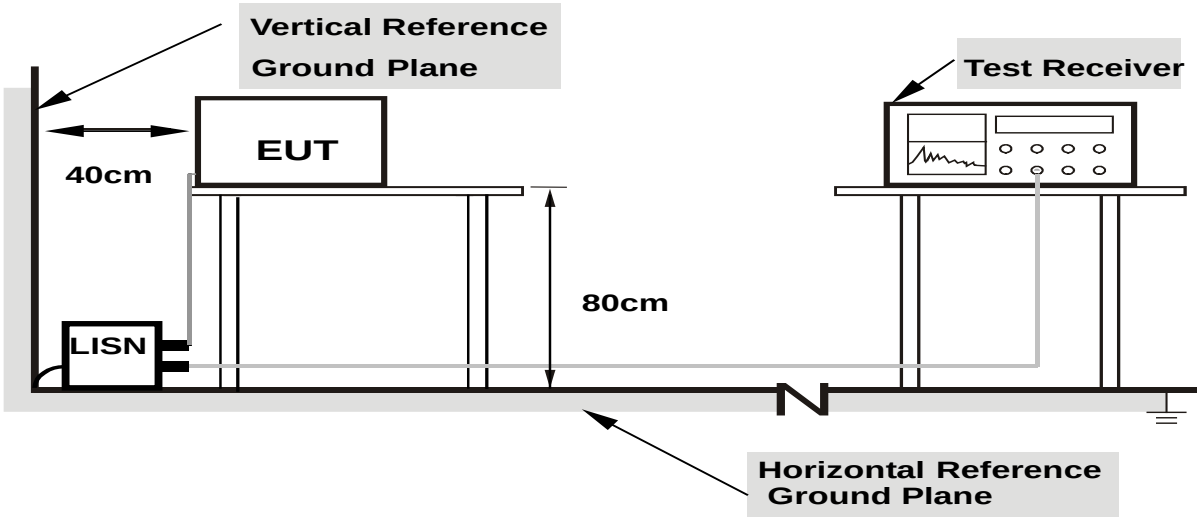
5.1.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

5.1.3 DEVIATION FROM TEST STANDARD

No deviation

5.1.4 TEST SETUP



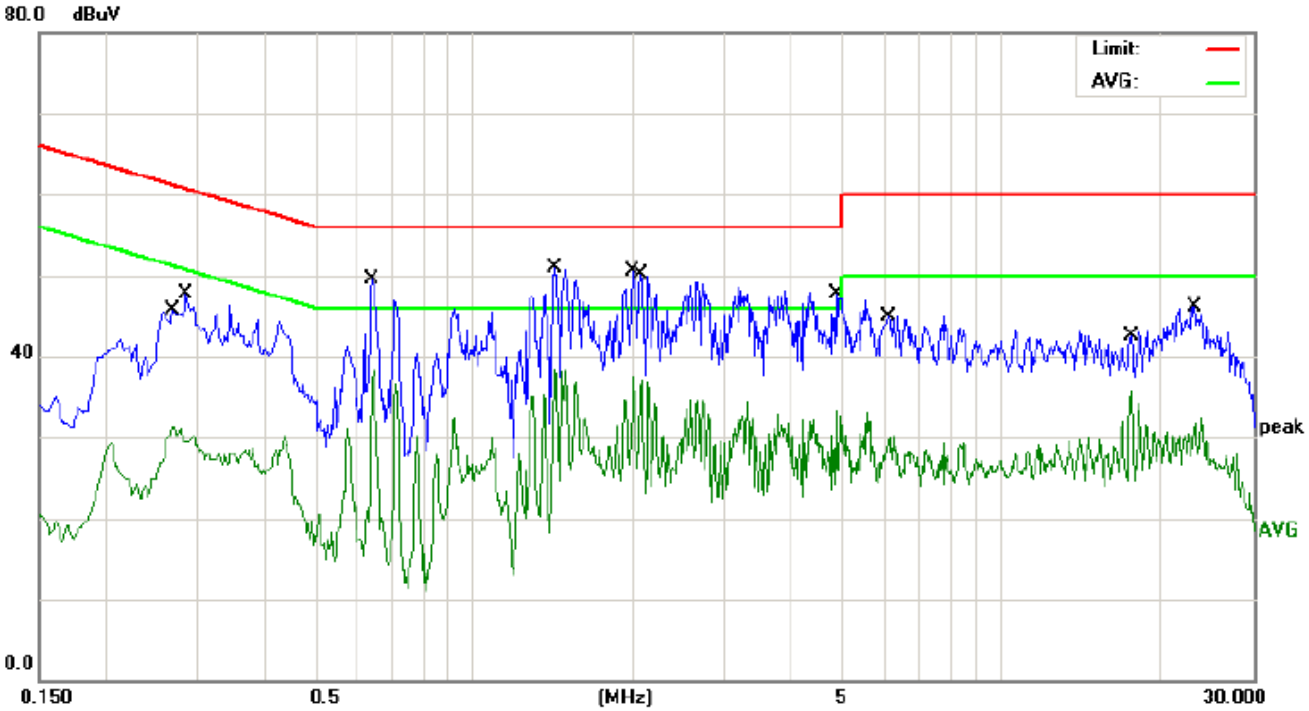
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

5.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

5.1.6 TEST RESULTS

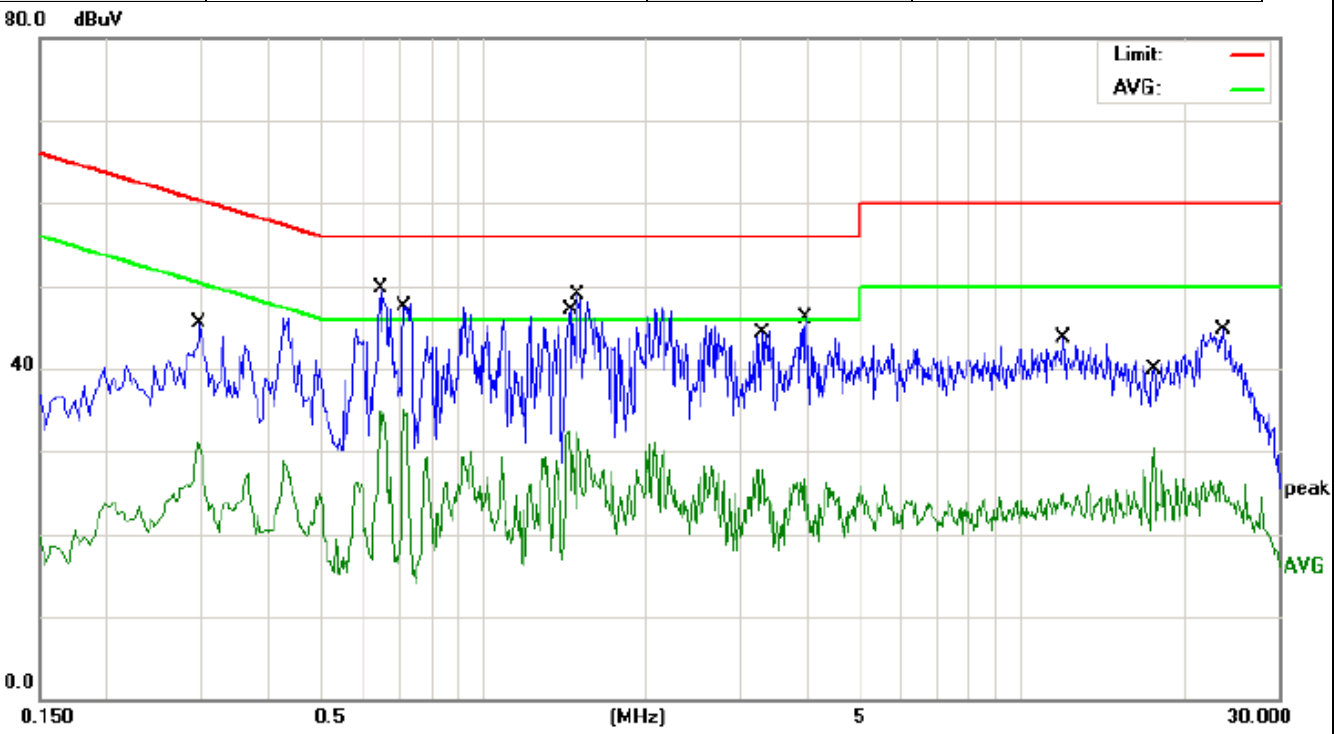
EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	L
Test Date	September 08,2016	Test Mode	Mode 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2700	20.87	10.43	31.30	51.12	-19.82	AVG
2		0.2860	33.19	10.42	43.61	60.64	-17.03	QP
3		0.6419	34.57	10.38	44.95	56.00	-11.05	QP
4		0.6500	27.98	10.38	38.36	46.00	-7.64	AVG
5		1.4220	35.87	10.32	46.19	56.00	-9.81	QP
6	*	1.4299	28.06	10.32	38.38	46.00	-7.62	AVG
7		2.0059	27.20	10.29	37.49	46.00	-8.51	AVG
8		2.0700	36.22	10.29	46.51	56.00	-9.49	QP
9		4.8620	23.10	10.23	33.33	46.00	-12.67	AVG
10		6.0900	30.39	10.22	40.61	60.00	-19.39	QP
11		17.5820	25.66	10.13	35.79	50.00	-14.21	AVG
12		23.2060	32.09	10.11	42.20	60.00	-17.80	QP

Remark: All the modes have been investigated, and only worst mode is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	26 ℃	Relative Humidity	54%
Pressure	1010hPa	Phase	N
Test Date	September 08,2016	Test Mode	Mode 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.2940	20.67	10.42	31.09	50.41	-19.32	AVG
2		0.2980	31.01	10.42	41.43	60.30	-18.87	QP
3	*	0.6460	35.23	10.38	45.61	56.00	-10.39	QP
4		0.7140	24.71	10.37	35.08	46.00	-10.92	AVG
5		1.4460	22.10	10.32	32.42	46.00	-13.58	AVG
6		1.5020	33.81	10.31	44.12	56.00	-11.88	QP
7		3.3100	17.46	10.26	27.72	46.00	-18.28	AVG
8		3.9660	31.81	10.25	42.06	56.00	-13.94	QP
9		11.9340	29.53	10.17	39.70	60.00	-20.30	QP
10		11.9340	14.81	10.17	24.98	50.00	-25.02	AVG
11		17.5780	20.36	10.13	30.49	50.00	-19.51	AVG
12		23.6420	30.05	10.11	40.16	60.00	-19.84	QP

Remark: All the modes have been investigated, and only worst mode is presented in this report.

5.2 RADIATED EMISSION MEASUREMENT

5.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

5.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. 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 Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

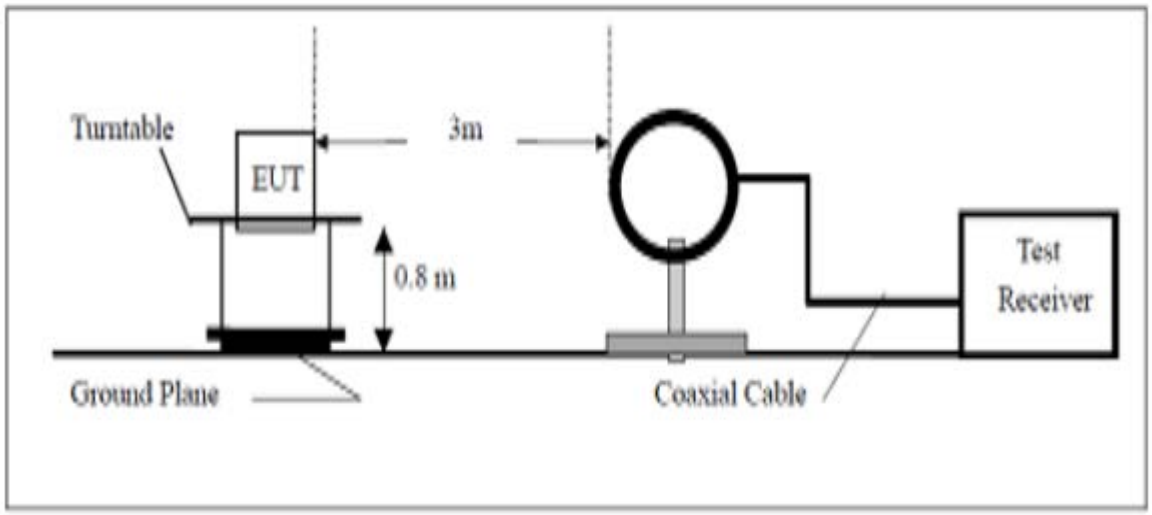
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

5.2.3 DEVIATION FROM TEST STANDARD

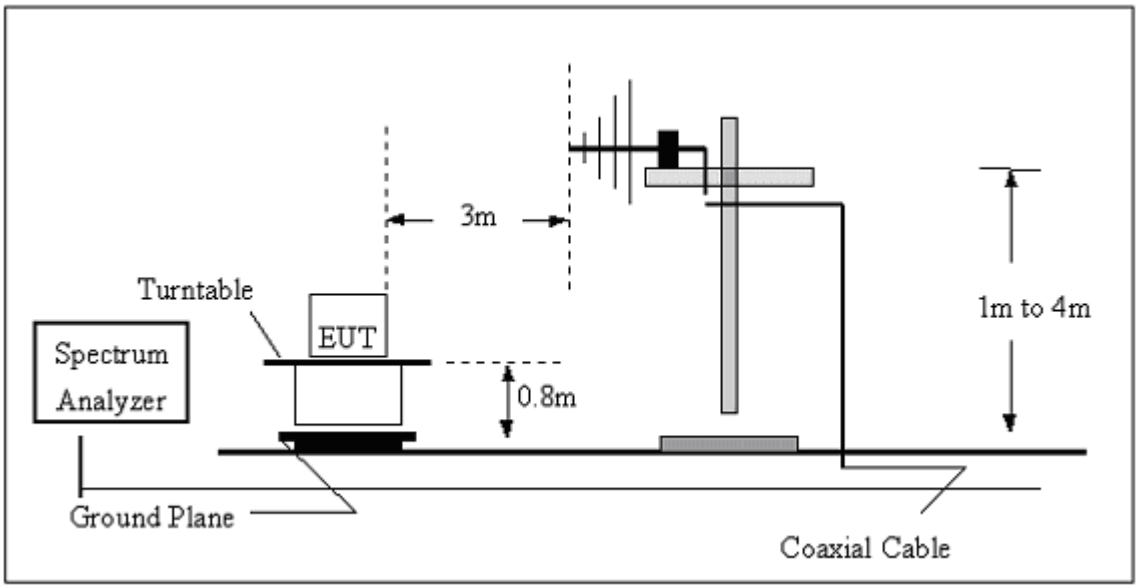
No deviation

5.2.4 TEST SETUP

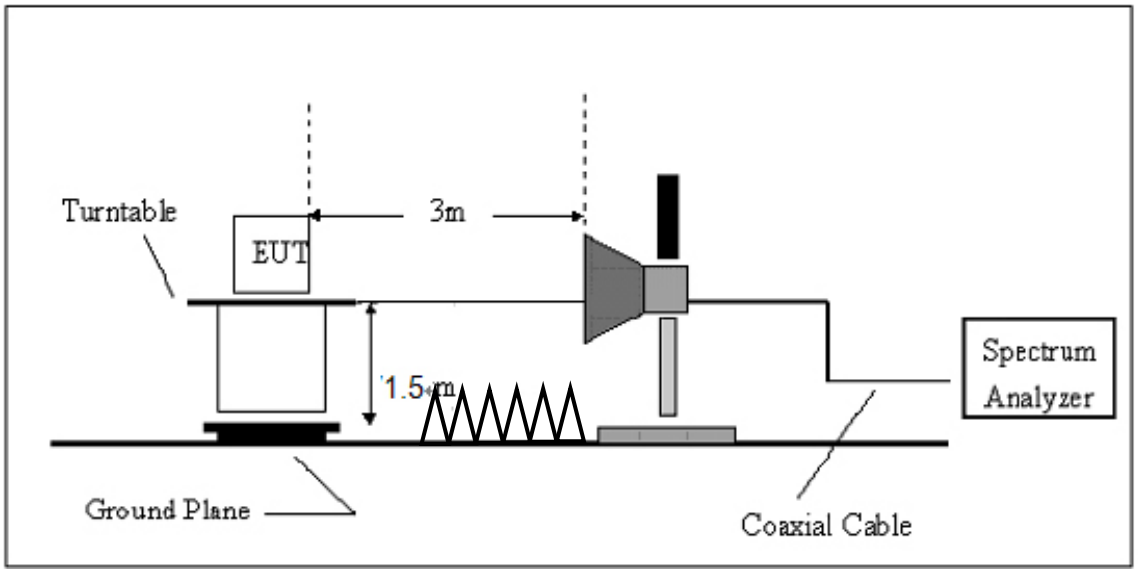
（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz



5.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.2.5.1 RESULTS (BELOW 30 MHZ)

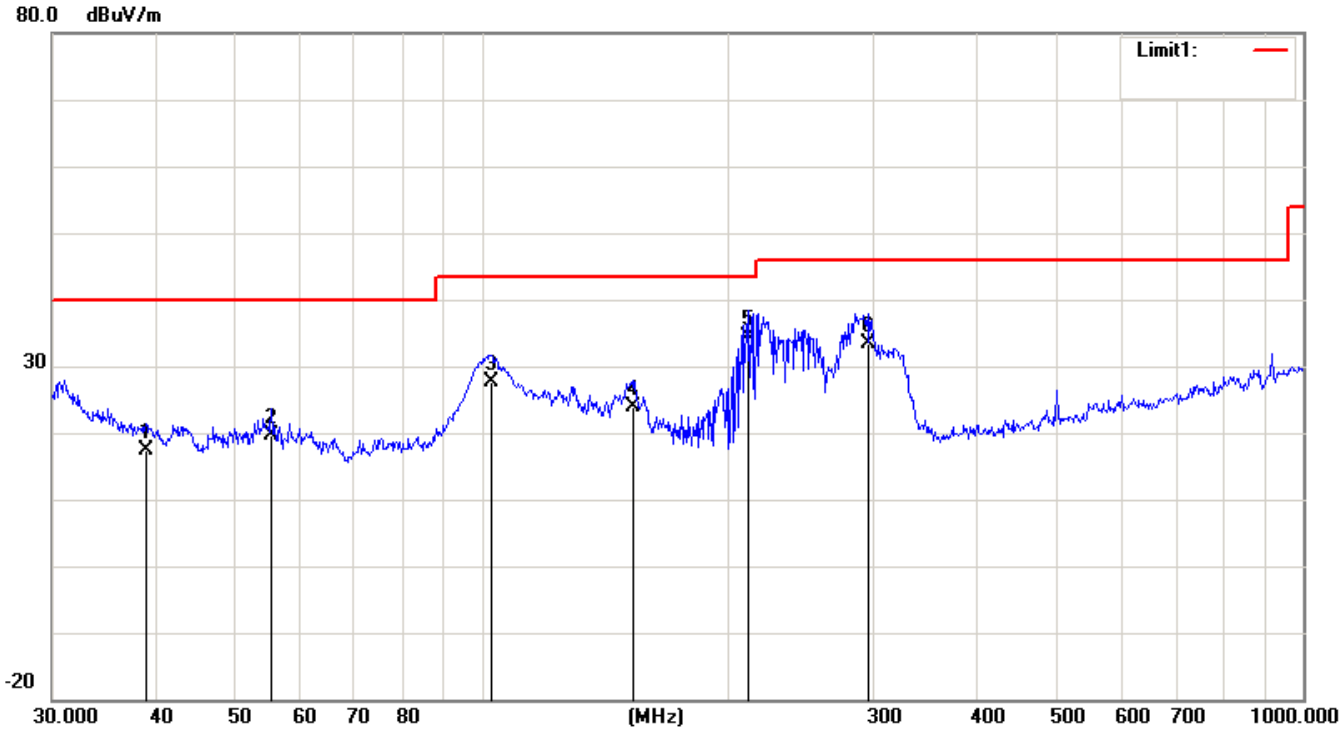
EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization	---
Test Mode	Mode 1	Test Date	September 08,2016

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

NOTE:
No result in this part for margin above 20dB.
Distance extrapolation factor =20 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuV) + distance extrapolation factor.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

5.2.5.2 TEST RESULTS (BETWEEN 30M – 1000 MHZ)

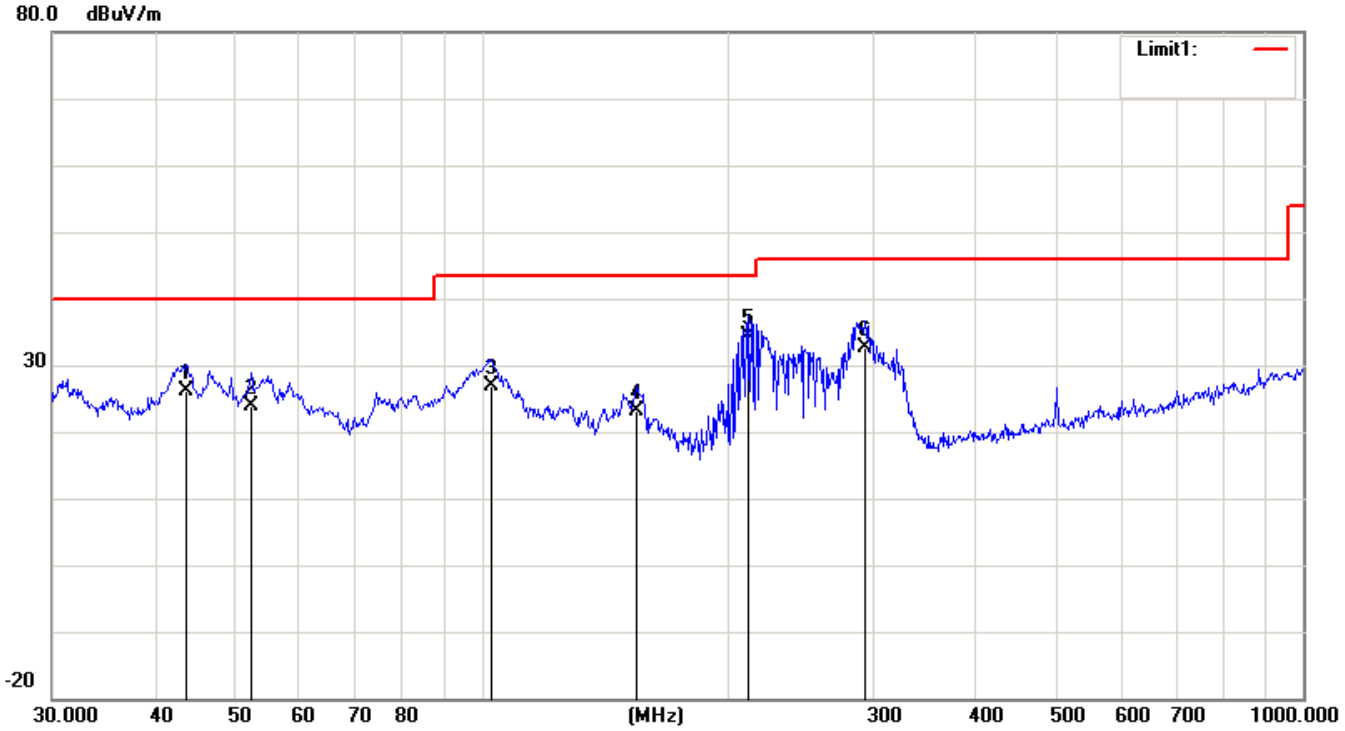
EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Horizontal
Test Mode	Mode 1	Test Date	September 08,2016



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		39.0245	20.19	-2.79	17.40	40.00	-22.60	QP
2		55.4147	29.07	-9.49	19.58	40.00	-20.42	QP
3		102.7192	33.30	-5.57	27.73	43.50	-15.77	QP
4		153.2004	27.88	-4.08	23.80	43.50	-19.70	QP
5	*	211.5265	39.56	-5.23	34.33	43.50	-9.17	QP
6		295.1469	39.08	-5.80	33.28	46.00	-12.72	QP

Remark: All the modes have been investigated, and only worst mode is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Polarization :	Vertical
Test Mode	Mode 1	Test Date	September 08,2016



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		43.6584	32.14	-6.01	26.13	40.00	-13.87	QP
2		52.3912	33.20	-9.25	23.95	40.00	-16.05	QP
3		102.7192	32.49	-5.57	26.92	43.50	-16.58	QP
4		154.2786	27.35	-4.16	23.19	43.50	-20.31	QP
5	*	211.5265	39.50	-5.23	34.27	43.50	-9.23	QP
6		293.0842	38.44	-5.83	32.61	46.00	-13.39	QP

Remark: All the modes have been investigated, and only worst mode is presented in this report.

5.2.5.3 TEST RESULTS (1GHZ TO 40GHZ)

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1 TX
Test Date	September 08,2016	Frequency	5180MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10360	V	59.35	41.99	74	54	-14.65	-12.01
15540	V	59.15	40.27	74	54	-14.85	-13.73
10360	H	59.19	39.02	74	54	-14.81	-14.98
15540	H	58.99	39.99	74	54	-15.01	-14.01

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1 TX
Test Date	September 08,2016	Frequency	5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10480	V	60.26	40.66	74	54	-13.74	-13.34
15720	V	59.38	39.49	74	54	-14.62	-14.51
10480	H	58.59	40.29	74	54	-15.41	-13.71
15720	H	59.52	40.52	74	54	-14.48	-13.48

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1 TX
Test Date	September 08,2016	Frequency	5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10520	V	59.60	41.03	74	54	-14.40	-12.97
15780	V	59.65	40.11	74	54	-14.35	-13.89
10520	H	59.91	40.28	74	54	-14.09	-13.72
15780	H	59.10	40.10	74	54	-14.90	-13.90

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1 TX
Test Date	September 08,2016	Frequency	5320MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10640	V	60.86	40.42	74	54	-13.14	-13.58
15960	V	58.57	39.12	74	54	-15.43	-14.88
10640	H	58.56	40.01	74	54	-15.44	-13.99
15960	H	58.66	39.66	74	54	-15.34	-14.34

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1 TX
Test Date	September 08,2016	Frequency	5745MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11490	V	59.79	40.42	74	54	-14.21	-13.58
17235	V	59.54	39.29	74	54	-14.46	-14.71
11490	H	59.47	39.15	74	54	-14.53	-14.85
17235	H	59.15	40.15	74	54	-14.85	-13.85

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 1 TX
Test Date	September 08,2016	Frequency	5825MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11650	V	59.99	41.31	74	54	-14.01	-12.69
17475	V	58.55	39.29	74	54	-15.45	-14.71
11650	H	59.27	39.53	74	54	-14.73	-14.47
17475	H	58.30	39.30	74	54	-15.70	-14.70

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2 TX
Test Date	September 08,2016	Frequency	5180MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10360	V	58.16	39.72	74	54	-15.84	-14.28
15540	V	58.43	39.59	74	54	-15.57	-14.41
10360	H	58.43	40.40	74	54	-15.57	-13.60
15540	H	58.14	39.14	74	54	-15.86	-14.86

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2 TX
Test Date	September 08,2016	Frequency	5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10480	V	60.18	41.92	74	54	-13.82	-12.08
15720	V	58.99	39.38	74	54	-15.01	-14.62
10480	H	58.12	39.36	74	54	-15.88	-14.64
15720	H	58.40	39.40	74	54	-15.60	-14.60

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2 TX
Test Date	September 08,2016	Frequency	5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10520	V	58.28	41.63	74	54	-15.72	-12.37
15780	V	59.07	40.24	74	54	-14.93	-13.76
10520	H	59.04	40.41	74	54	-14.96	-13.59
15780	H	58.91	39.91	74	54	-15.09	-14.09

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2 TX
Test Date	September 08,2016	Frequency	5320MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10640	V	58.96	41.77	74	54	-15.04	-12.23
10640	V	58.11	39.97	74	54	-15.89	-14.03
15960	H	59.77	39.86	74	54	-14.23	-14.14
15960	H	59.99	40.99	74	54	-14.01	-13.01

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2 TX
Test Date	September 08,2016	Frequency	5745MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11490	V	60.10	41.64	74	54	-13.90	-12.36
17235	V	58.97	39.27	74	54	-15.03	-14.73
11490	H	59.83	39.31	74	54	-14.17	-14.69
17235	H	59.59	40.59	74	54	-14.41	-13.41

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 2 TX
Test Date	September 08,2016	Frequency	5825MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11650	V	58.34	39.03	74	54	-15.66	-14.97
17475	V	59.95	39.76	74	54	-14.05	-14.24
11650	H	58.98	40.82	74	54	-15.02	-13.18
17475	H	58.71	39.71	74	54	-15.29	-14.29

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3 TX
Test Date	September 08,2016	Frequency	5190MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10380	V	59.65	39.75	74	54	-14.35	-14.25
15570	V	59.55	39.52	74	54	-14.45	-14.48
10380	H	58.32	40.35	74	54	-15.68	-13.65
15570	H	58.11	39.11	74	54	-15.89	-14.89

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3 TX
Test Date	September 08,2016	Frequency	5230MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10460	V	58.50	39.42	74	54	-15.50	-14.58
15690	V	59.36	39.29	74	54	-14.64	-14.71
10460	H	59.15	39.76	74	54	-14.85	-14.24
15690	H	59.41	40.41	74	54	-14.59	-13.59

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3 TX
Test Date	September 08,2016	Frequency	5270MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10540	V	58.31	40.33	74	54	-15.69	-13.67
15810	V	58.82	40.00	74	54	-15.18	-14.00
10540	H	59.08	40.70	74	54	-14.92	-13.30
15810	H	59.83	40.83	74	54	-14.17	-13.17

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3 TX
Test Date	September 08,2016	Frequency	5310MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10620	V	60.96	40.98	74	54	-13.04	-13.02
15930	V	59.44	39.49	74	54	-14.56	-14.51
10620	H	59.74	39.74	74	54	-14.26	-14.26
15930	H	59.58	40.58	74	54	-14.42	-13.42

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3 TX
Test Date	September 08,2016	Frequency	5755MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11510	V	58.65	40.61	74	54	-15.35	-13.39
17265	V	58.56	39.67	74	54	-15.44	-14.33
11510	H	58.38	39.16	74	54	-15.62	-14.84
17265	H	59.12	40.12	74	54	-14.88	-13.88

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 3 TX
Test Date	September 08,2016	Frequency	5795MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11590	V	60.09	39.66	74	54	-13.91	-14.34
17385	V	58.65	40.16	74	54	-15.35	-13.84
11590	H	58.57	40.56	74	54	-15.43	-13.44
17385	H	58.14	39.14	74	54	-15.86	-14.86

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4 TX
Test Date	September 08,2016	Frequency	5180MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10360	V	60.23	41.44	74	54	-13.77	-12.56
15540	V	58.80	39.98	74	54	-15.20	-14.02
10360	H	59.95	39.09	74	54	-14.05	-14.91
15540	H	58.48	39.48	74	54	-15.52	-14.52

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4 TX
Test Date	September 08,2016	Frequency	5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10480	V	59.71	40.45	74	54	-14.29	-13.55
15720	V	58.16	39.31	74	54	-15.84	-14.69
10480	H	58.71	40.16	74	54	-15.29	-13.84
15720	H	59.24	40.24	74	54	-14.76	-13.76

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4 TX
Test Date	September 08,2016	Frequency	5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10520	V	58.59	41.45	74	54	-15.41	-12.55
15780	V	58.70	40.24	74	54	-15.30	-13.76
10520	H	58.67	39.76	74	54	-15.33	-14.24
15780	H	58.63	39.63	74	54	-15.37	-14.37

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4 TX
Test Date	September 08,2016	Frequency	5320MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10640	V	58.98	40.78	74	54	-15.02	-13.22
10640	V	59.39	40.67	74	54	-14.61	-13.33
15960	H	60.00	40.60	74	54	-14.00	-13.40
15960	H	58.30	39.30	74	54	-15.70	-14.70

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4 TX
Test Date	September 08,2016	Frequency	5745MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11490	V	58.36	41.71	74	54	-15.64	-12.29
17235	V	59.68	40.13	74	54	-14.32	-13.87
11490	H	58.94	39.91	74	54	-15.06	-14.09
17235	H	58.58	39.58	74	54	-15.42	-14.42

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 4 TX
Test Date	September 08,2016	Frequency	5825MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11650	V	58.52	41.68	74	54	-15.48	-12.32
17475	V	59.05	39.83	74	54	-14.95	-14.17
11650	H	59.72	39.25	74	54	-14.28	-14.75
17475	H	59.51	40.51	74	54	-14.49	-13.49

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5190MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10380	V	58.79	40.57	74	54	-15.21	-13.43
15570	V	59.34	39.83	74	54	-14.66	-14.17
10380	H	58.21	39.67	74	54	-15.79	-14.33
15570	H	59.02	40.02	74	54	-14.98	-13.98

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5230MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10460	V	59.27	41.47	74	54	-14.73	-12.53
15690	V	58.00	39.35	74	54	-16.00	-14.65
10460	H	58.04	40.17	74	54	-15.96	-13.83
15690	H	58.08	39.08	74	54	-15.92	-14.92

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5270MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10540	V	59.46	41.83	74	54	-14.54	-12.17
15810	V	58.50	40.56	74	54	-15.50	-13.44
10540	H	58.90	40.69	74	54	-15.10	-13.31
15810	H	58.98	39.98	74	54	-15.02	-14.02

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5310MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10620	V	60.62	40.93	74	54	-13.38	-13.07
15930	V	59.76	40.29	74	54	-14.24	-13.71
10620	H	58.96	39.56	74	54	-15.04	-14.44
15930	H	59.39	40.39	74	54	-14.61	-13.61

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5755MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11510	V	60.09	41.97	74	54	-13.91	-12.03
17265	V	58.36	39.75	74	54	-15.64	-14.25
11510	H	58.74	40.44	74	54	-15.26	-13.56
17265	H	58.45	39.45	74	54	-15.55	-14.55

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5795MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11590	V	60.66	40.43	74	54	-13.34	-13.57
17385	V	58.68	39.94	74	54	-15.32	-14.06
11590	H	59.57	39.75	74	54	-14.43	-14.25
17385	H	59.10	40.10	74	54	-14.90	-13.90

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 6 TX
Test Date	September 08,2016	Frequency	5210MHz

Freq. (MHz)	Ant. Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10420	V	58.54	40.73	74	54	-15.46	-13.27
15630	V	58.81	39.15	74	54	-15.19	-14.85
10420	H	58.20	39.12	74	54	-15.80	-14.88
15630	H	59.57	40.57	74	54	-14.43	-13.43

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 6 TX
Test Date	September 08,2016	Frequency	5290MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10580	V	59.34	40.08	74	54	-14.66	-13.92
15870	V	58.29	40.01	74	54	-15.71	-13.99
10580	H	58.23	40.78	74	54	-15.77	-13.22
15870	H	59.06	40.06	74	54	-14.94	-13.94

Remark:
All emissions not reported were more than 20dB below the specified limit or in the noise floor.
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
All the x/y/z orientation has been investigated, and only worst case is presented in this report.

EUT	Mobile phone	Model Name	X602
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa	Test Mode	Mode 5 TX
Test Date	September 08,2016	Frequency	5775MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
11550	V	58.69	40.37	74	54	-15.31	-13.63
17325	V	58.04	39.51	74	54	-15.96	-14.49
11550	H	58.48	39.77	74	54	-15.52	-14.23
17325	H	59.67	40.67	74	54	-14.33	-13.33

6. ANTENNA APPLICATION

6.1 Antenna requirement

The EUT'S antenna is met the requirement of FCC part 15C section 15.203 and FCC part 15C section 15.407.
FCC part 15C section 15.203 and FCC part 15C section 15.407 requirements: Systems operating in the 5150~5850MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

6.2 Result

The EUT's antenna integrated on PCB, The antenna's gain is -4dBi and meets the requirement.

7 FCC PART 15.407 REQUIREMENTS FOR 802.11A/N SYSTEMS

7. 1 Test Equipment

Please refer to Section 4 this report.

7. 2 Test Procedure

26dB Bandwidth and 99% Occupied Bandwidth:		
Test Method:	a)The transmitter was radiated to the spectrum analyzer in peak hold mode. b)Measure the maximum width of the emission that is 26 dB down from the peak of the emission Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.	
Test Equipment Setting – 26dB Bandwidth:		Test Equipment Setting – 99%% Bandwidth:
a)Attenuation: Auto b)Span Frequency: > 26dB Bandwidth c)RBW: Approximately 1% of the emission bandwidth d)VBW: VBW > RBW e)Detector: Peak f)Trace: Max Hold g)Sweep Time: Auto		a)Span: 1.5 times to 5.0 times the OBW b)RBW: 1 % to 5 % of the OBW c)VBW: □3 x RBW d)Detector: Peak e)Trace: Max Hold
6 dB Bandwidth:		
Test Method:	a)The transmitter was radiated to the spectrum analyzer in peak hold mode. b)Test was performed in accordance with KDB789033 D02 v01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (C) Emission Bandwidth. c)Measured the spectrum width with power higher than 6dB below carrier.	
Test Equipment Setting:		
a)Attenuation: Auto b)Span Frequency: > 6dB Bandwidth c)RBW: 100kHz d)VBW: □3 x RBW		e)Detector: Peak f)Trace: Max Hold g)Sweep Time: Auto
Maximum Conducted Output Power Measurement:		
Test Method:	a)The transmitter output (antenna port) was connected to the spectrum analyzer. b)Test was performed in accordance with KDB789033 D02 v01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (E) Maximum conducted output power =>3. Measurement using a Power Meter (PM) =>b) Method PM-G (Measurement using a gated RF average power meter). c)When measuring maximum conducted output power with multiple antenna systems, add every result of the values by mathematic formula.	

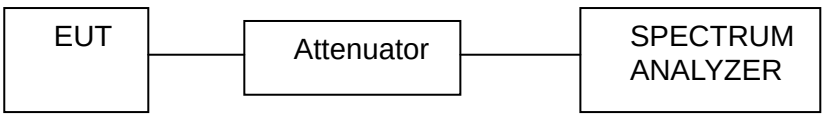
Test Equipment Setting:

Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep):
(i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
(ii) Set RBW = 1 MHz.
(iii) Set VBW ≥ 3 MHz.
(iv) Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
(v) Sweep time = auto.
(vi) Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
(vii) If transmit duty cycle < 98%, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98%, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run.”
(viii) Trace average at least 100 traces in power averaging (rms) mode.
(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

Power Spectral Density:	
Test Method:	a)The transmitter output (antenna port) was connected RF switch to the spectrum analyzer. b)Test was performed in accordance with KDB789033 D02 v01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (F) Maximum Power Spectral Density (PSD). c)When measuring first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3 and so on up to the Nth output to obtain the value for the first frequency bin of the summed spectrum. The summed spectrum value for each of the other frequency bins is computed in the same way. d)For 5.725~5.85 GHz, the measured result of PSD level must add 10log(500kHz/RBW) and the final result should □30 dBm.
Test Equipment Setting:	
a)Attenuation: Auto b)Span Frequency: Encompass the entire emissions bandwidth (EBW) of the signal c)RBW: 1000 kHz d)VBW: 3000 kHz	e)Detector: RMS f)Trace: AVERAGE g)Sweep Time: Auto h)Trace Average: 100 times
Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.	

Frequency Stability Measurement:	
Test Method:	a)The transmitter output (antenna port) was connected to the spectrum analyzer. b)EUT have transmitted absence of modulation signal and fixed channelize. c)Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth. d)Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings. e)fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 106 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification). f)The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value g)Extreme temperature is 0°C~40°C
Test Equipment Setting:	
a)Attenuation: Auto b)Span Frequency: Entire absence of modulation emissions bandwidth c)RBW: 10 kHz d)VBW: 10 kHz	e)Sweep Time: Auto

7. 3 Test Setup



7. 4 Configuration of the EUT

Same as section 2.4 of this report

7. 5 EUT Operating Condition

Same as section 2.2 of this report.

7. 6 Limit

26dB Bandwidth and 99% Occupied Bandwidth:	
Limit:	No restriction limits.
6 dB Bandwidth:	
Limit:	For digital modulation systems, the minimum 6dB bandwidth shall be at least 500 kHz.
Test Equipment Setting:	
a)Attenuation: Auto b)Span Frequency: > 6dB Bandwidth c)RBW: 100kHz d)VBW: ≥ 3 x RBW	e)Detector: Peak f)Trace: Max Hold g)Sweep Time: Auto
Maximum Conducted Output Power Measurement:	
☒5.15~5.25 GHz	
☐Limit of Outdoor access point:	☐Limit of Indoor access point:
The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).	The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☐Limit of Fixed point-to-point access points:	☒Limit of Mobile and portable client devices:
The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.	The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
☐5.25-5.35 GHz & ☐5.470-5.725 GHz	
The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW (24dBm) or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
☒5.725~5.85 GHz	
The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.	
Power Spectral Density	
☒5.15~5.25 GHz	
☐Limit of Outdoor access point: 17 dBm/MHz	☐Limit of Indoor access point: 17 dBm/MHz
☐Limit of Fixed point-to-point access points: 17 dBm/MHz	☒Limit of Mobile and portable client devices: 11 dBm/MHz
☐5.25-5.35 GHz	11 dBm/MHz
☐5.470-5.725 GHz	11 dBm/MHz
☒5.725~5.85 GHz	30 dBm/500kHz
Frequency Stability Measurement:	
Limit:	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual. The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

7. 7 Test Result

A. 26dB Bandwidth and 99% Occupied Bandwidth

Product	: EUT-Sample	Test Mode	: See section 2.2
Test Item	: 26dB Bandwidth and 99% Occupied Bandwidth	Temperature	: 25 ℃
Test Voltage	: DC 5V	Humidity	: 56%RH
Test Result	: **PASS**		

26dB Bandwidth

IEEE 802.11a

Band1

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5180	17.236	--	PASS
High	5240	17.121		PASS

Band2

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5260	17.222	--	PASS
High	5320	17.093		PASS

Band4

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5745	16.703	--	PASS
High	5825	16.799		PASS

IEEE 802.11n 5G 20MHz

Band1

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5180	18.408	--	PASS
High	5240	18.198		PASS

Band2

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5260	18.324	--	PASS
High	5320	18.074		PASS

Band4

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5745	17.815	--	PASS
High	5825	17.849		PASS

IEEE 802.11n 5G 40MHz

Band1

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5190	36.966	--	PASS
High	5230	36.495		PASS

Band2

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5270	36.715	--	PASS
High	5310	36.649		PASS

Band4

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5755	36.106	--	PASS
High	5795	36.056		PASS

IEEE 802.11ac 5G 20MHz

Band1

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5180	25.86	--	PASS
High	5240	23.17		PASS

Band2

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5260	22.01	--	PASS
High	5320	23.55		PASS

Band4

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5745	28.84	--	PASS
High	5825	31.34		PASS

IEEE 802.11ac 5G 40MHz

Band1

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5190	40.76	--	PASS
High	5230	40.67		PASS

Band2

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5270	40.67	--	PASS
High	5310	40.57		PASS

Band4

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5755	53.46	--	PASS
High	5795	56.73		PASS

IEEE 802.11ac 5G 80MHz

Band1

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5210	81.53	--	PASS

Band2

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5290	81.53	--	PASS

Band4

Channel	Frequency (MHz)	26dBBandwidth (MHz)	FCC Limit (kHz)	Result
Low	5775	82.05	--	PASS

99% Occupied Bandwidth

IEEE 802.11a

Band1

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5180	27.46	--	PASS
High	5240	23.20		PASS

Band2

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5260	26.70	--	PASS
High	5320	24.09		PASS

Band4

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5745	16.35	--	PASS
High	5825	16.30		PASS

IEEE 802.11n 5G 20MHz

Band1

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5180	26.62	--	PASS
High	5240	29.62		PASS

Band2

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5260	28.14	--	PASS
High	5320	24.94		PASS

Band4

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5745	17.71	--	PASS
High	5825	17.60		PASS

IEEE 802.11n 5G 40MHz

Band1

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5190	50.35	--	PASS
High	5230	46.37		PASS

Band2

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5270	47.43	--	PASS
High	5310	47.32		PASS

Band4

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5755	36.03	--	PASS
High	5795	34.91		PASS

IEEE 802.11ac 5G 20MHz

Band1

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5180	18.07	--	PASS
High	5240	17.88		PASS

Band2

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5260	17.88	--	PASS
High	5320	17.88		PASS

Band4

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5745	18.07	--	PASS
High	5825	18.26		PASS

IEEE 802.11ac 5G 40MHz

Band1

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5190	35.96	--	PASS
High	5230	35.96		PASS

Band2

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5270	35.96	--	PASS
High	5310	35.96		PASS

Band4

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5755	36.05	--	PASS
High	5795	36.21		PASS

IEEE 802.11ac 5G 80MHz

Band1

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5210	76.15	--	PASS

Band2

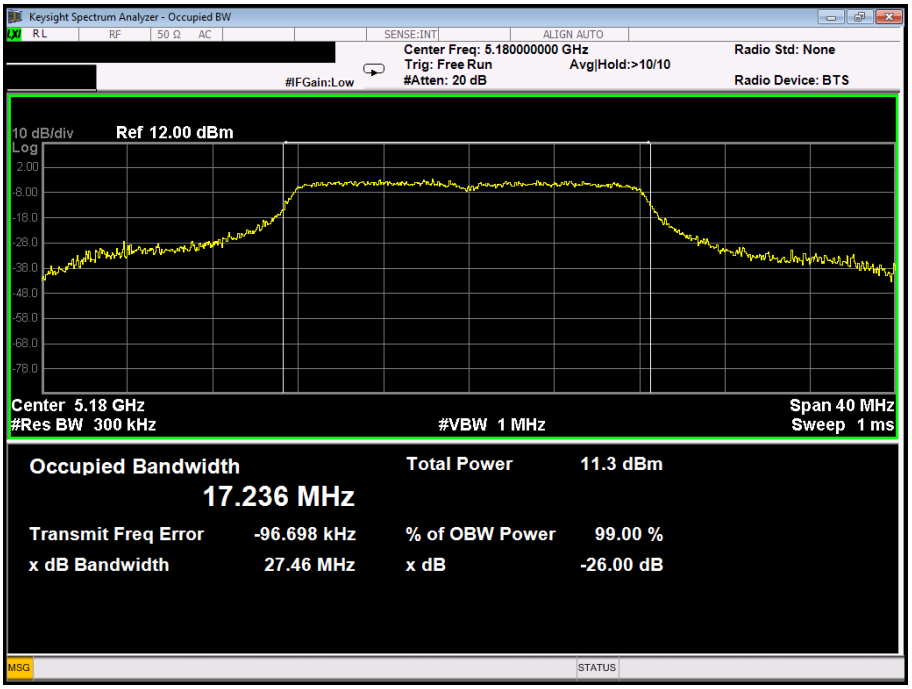
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5290	75.89	--	PASS

Band4

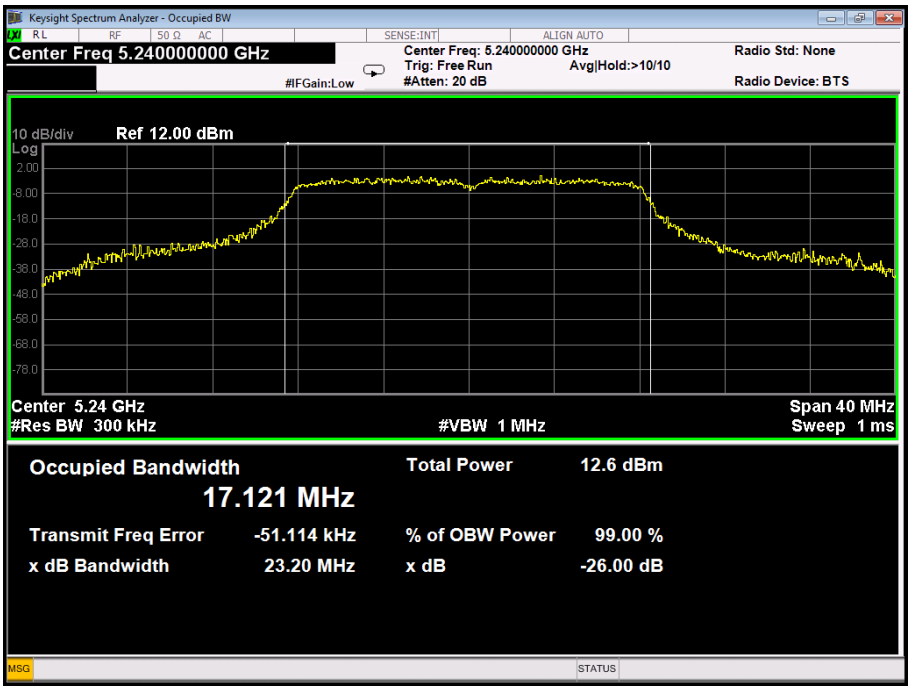
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	FCC Limit (kHz)	Result
Low	5775	76.15	--	PASS

IEEE 802.11a Band1

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

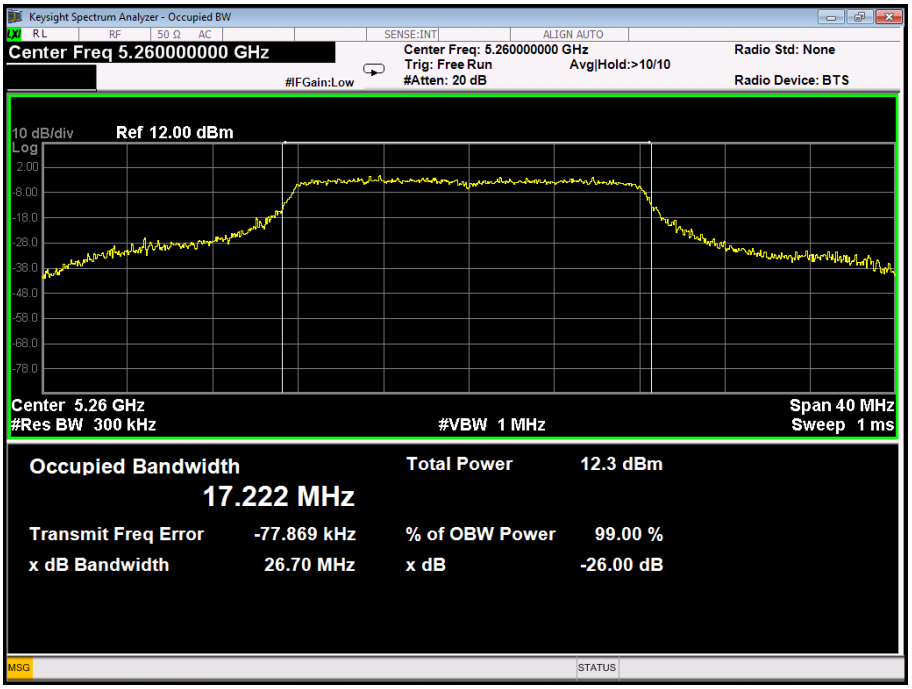


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

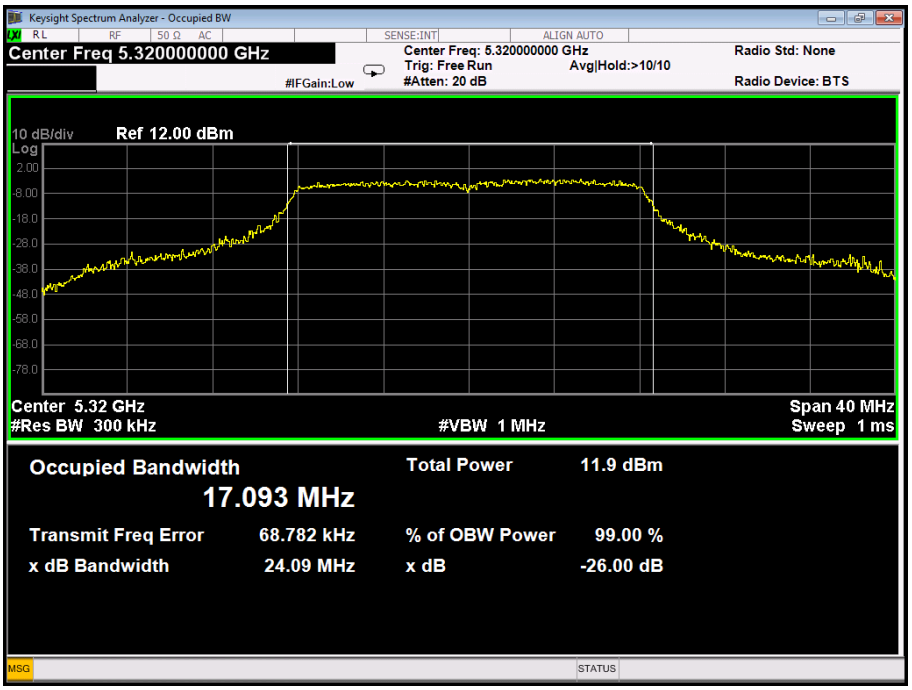


IEEE 802.11a Band2

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

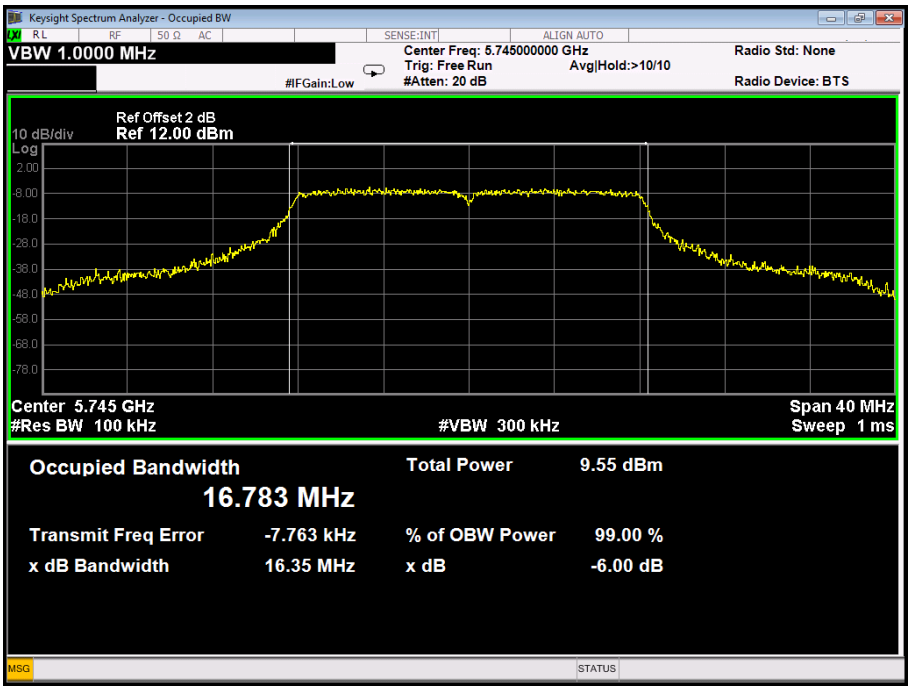


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

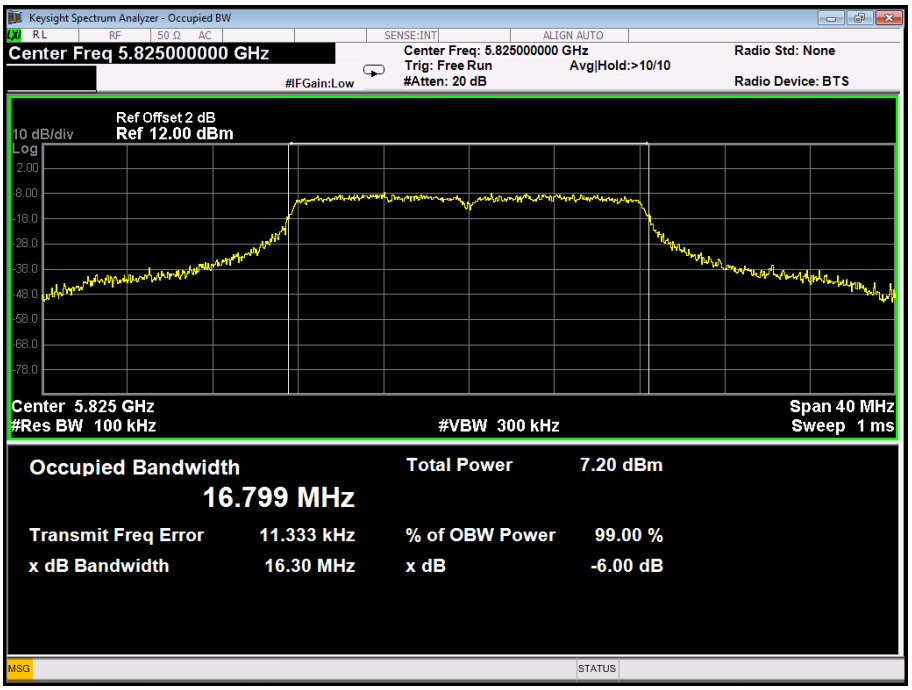


IEEE 802.11a Band4

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

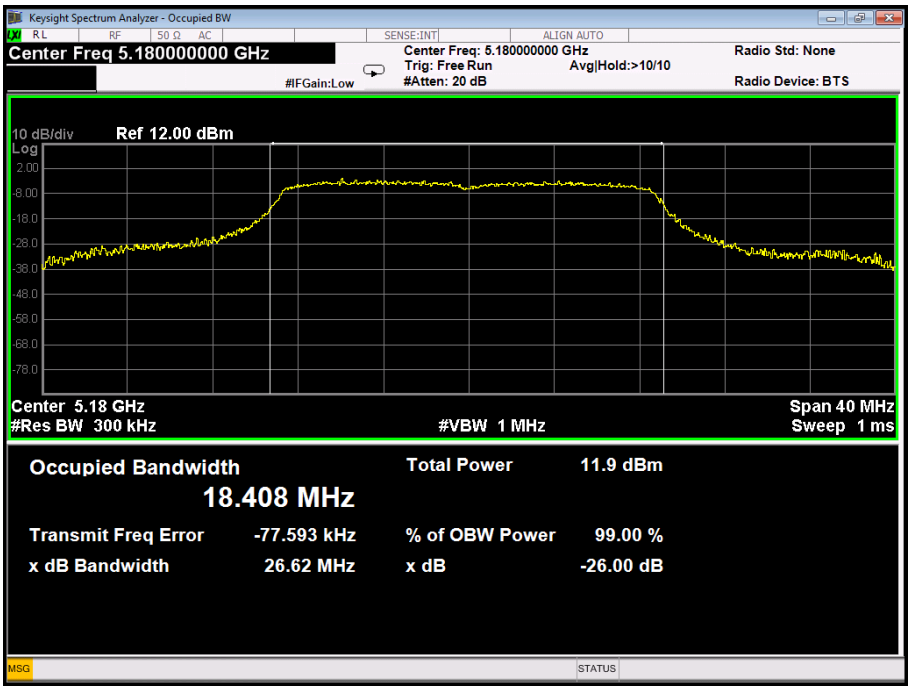


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

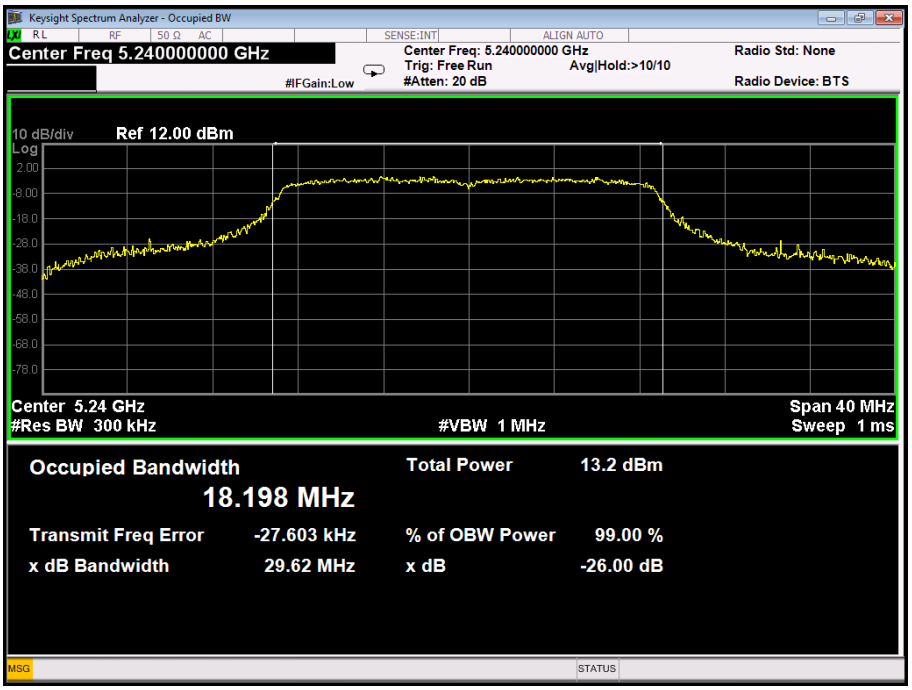


IEEE 802.11n 5G 20MHz Band1

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

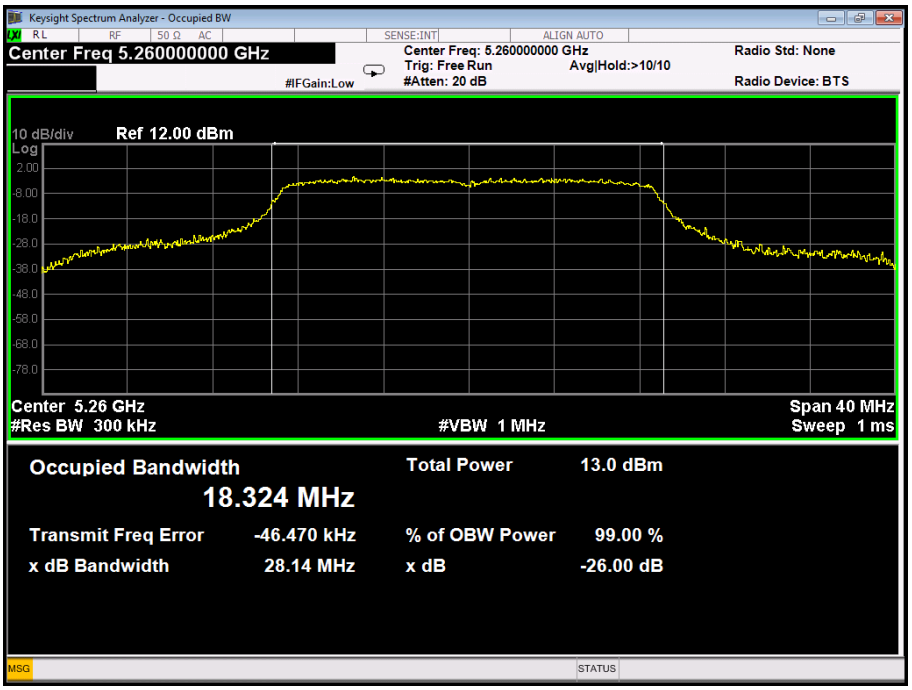


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

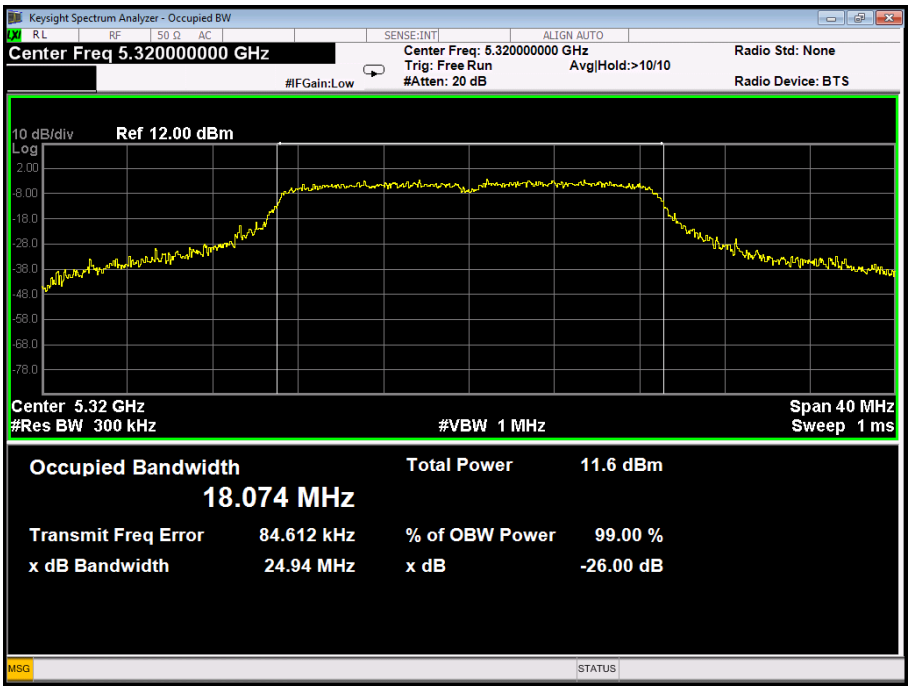


IEEE 802.11n 5G 20MHz Band2

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

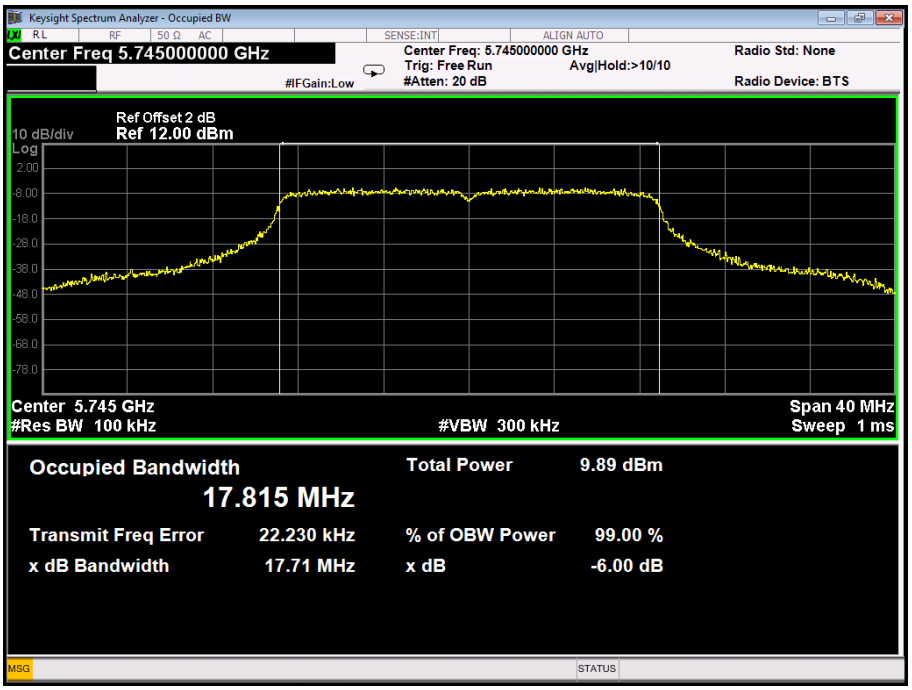


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

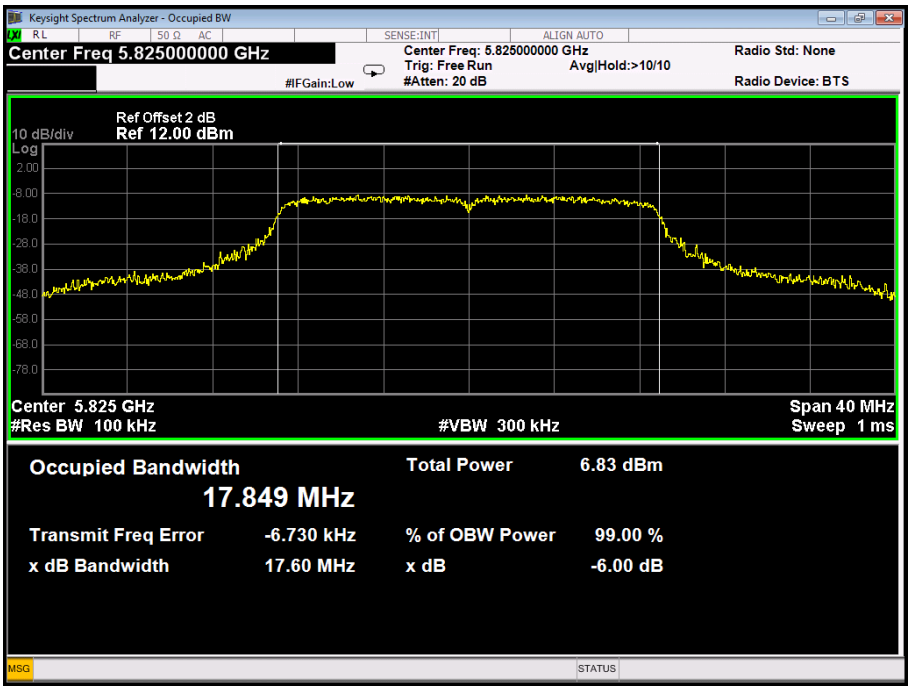


IEEE 802.11n 5G 20MHz Band4

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

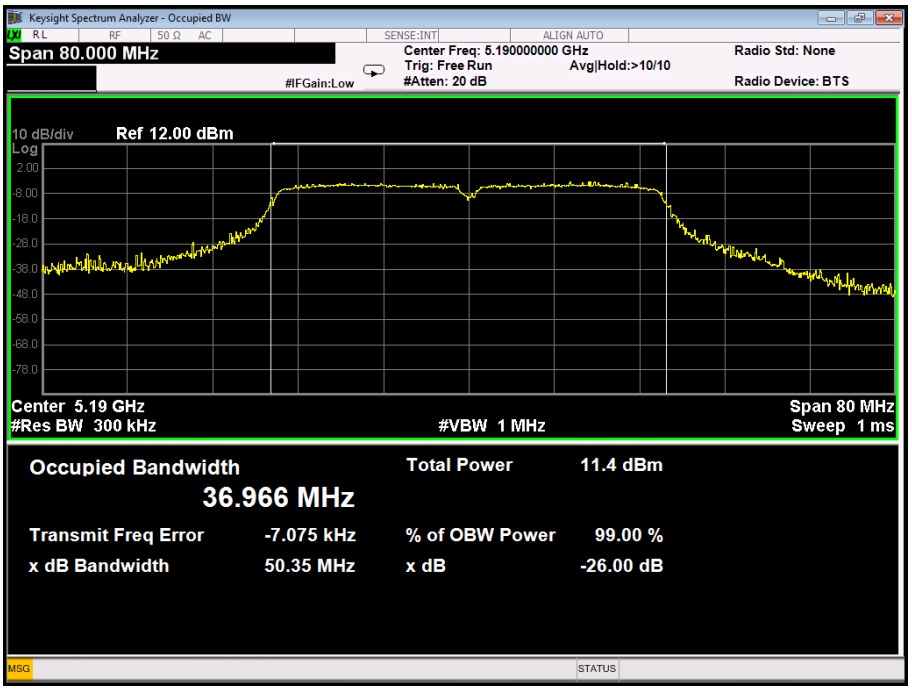


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

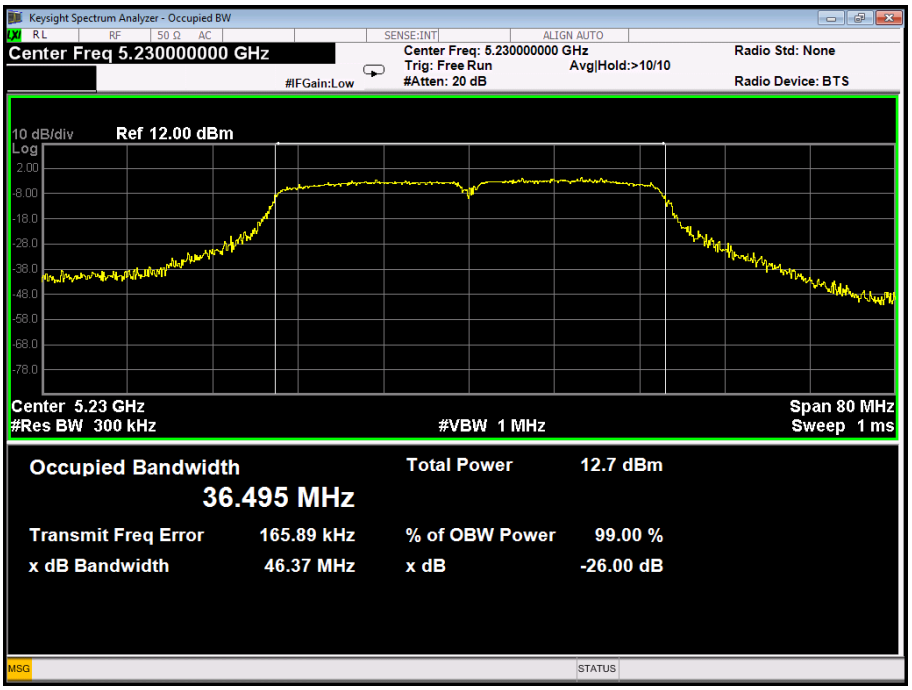


IEEE 802.11n 5G 40MHz Band1

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

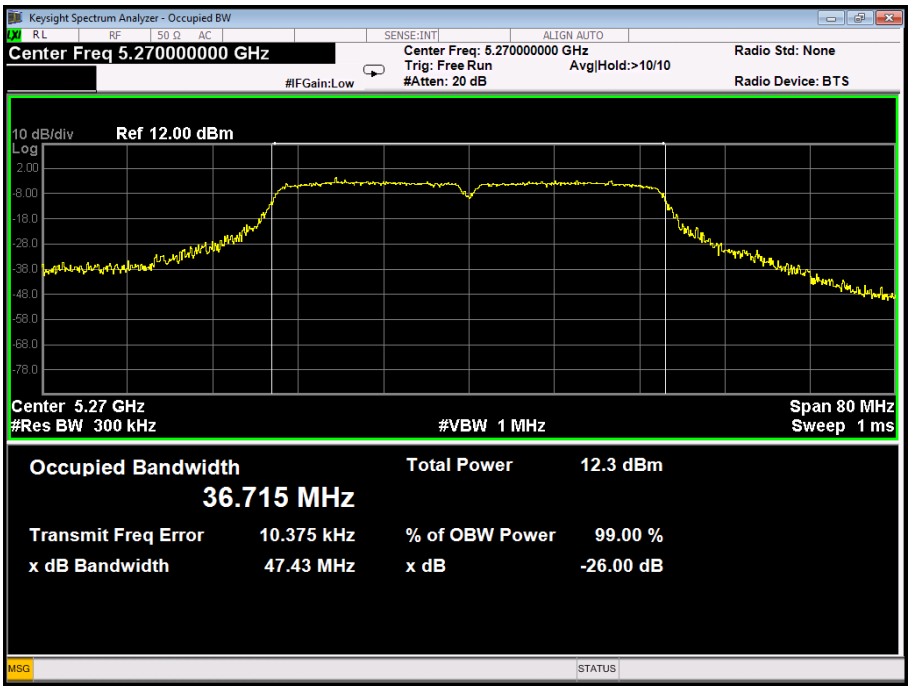


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

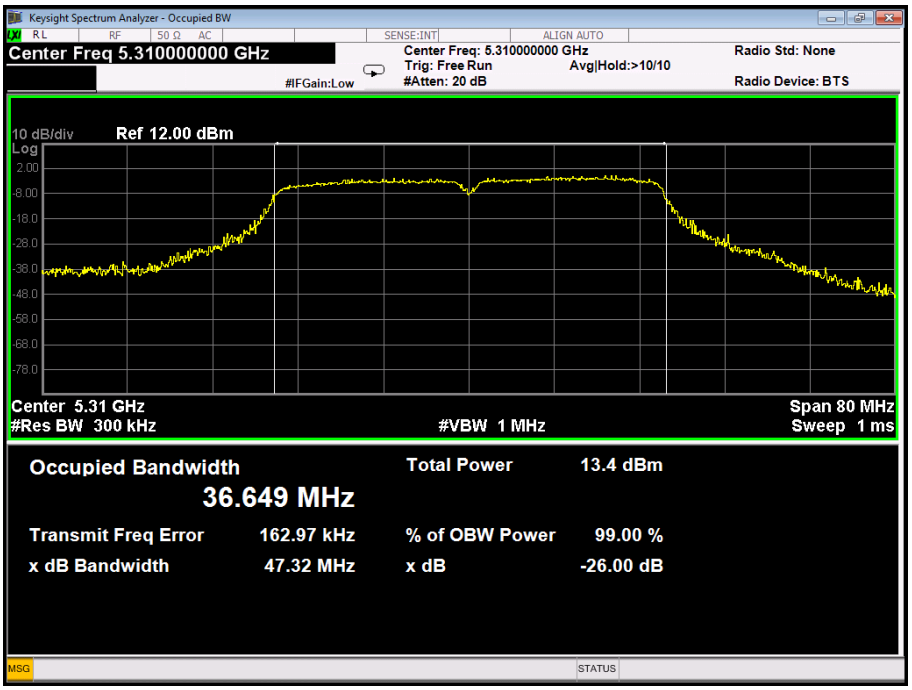


IEEE 802.11n 5G 40MHz Band2

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

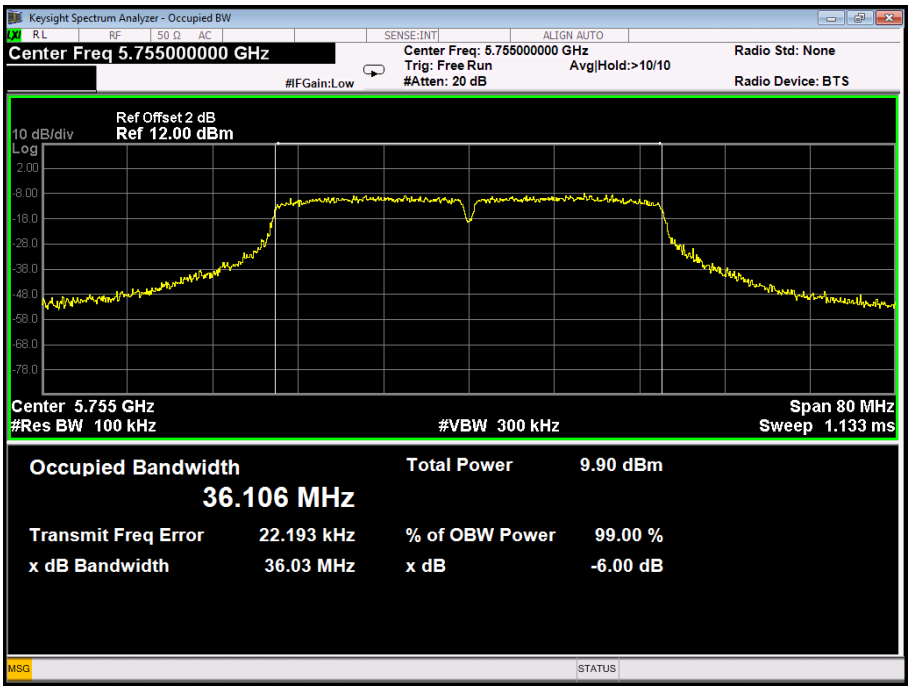


26dB Bandwidth and 99% Occupied Bandwidth (CH High)

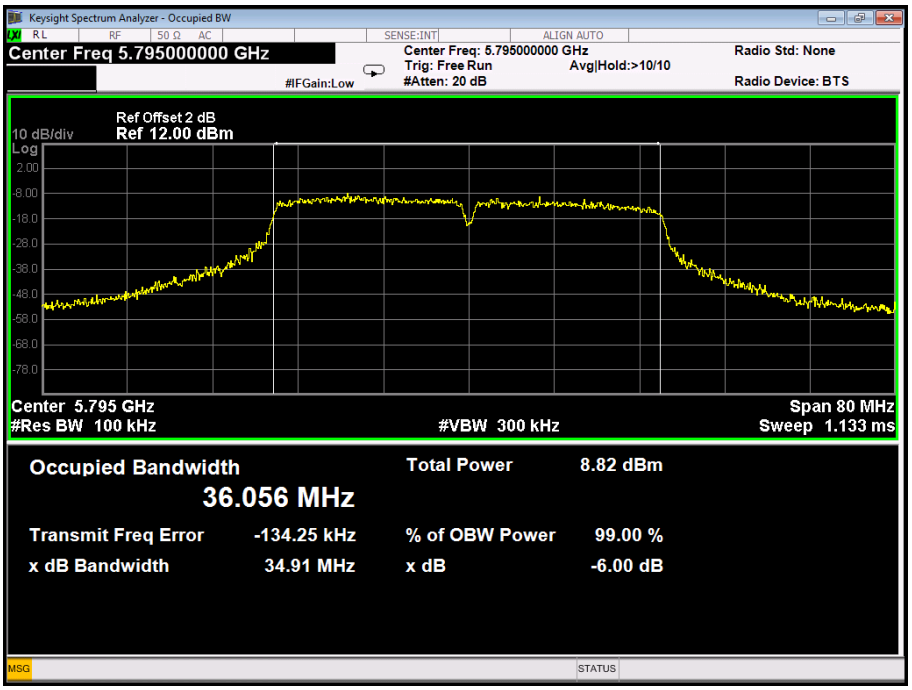


IEEE 802.11n 5G 40MHz Band4

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)

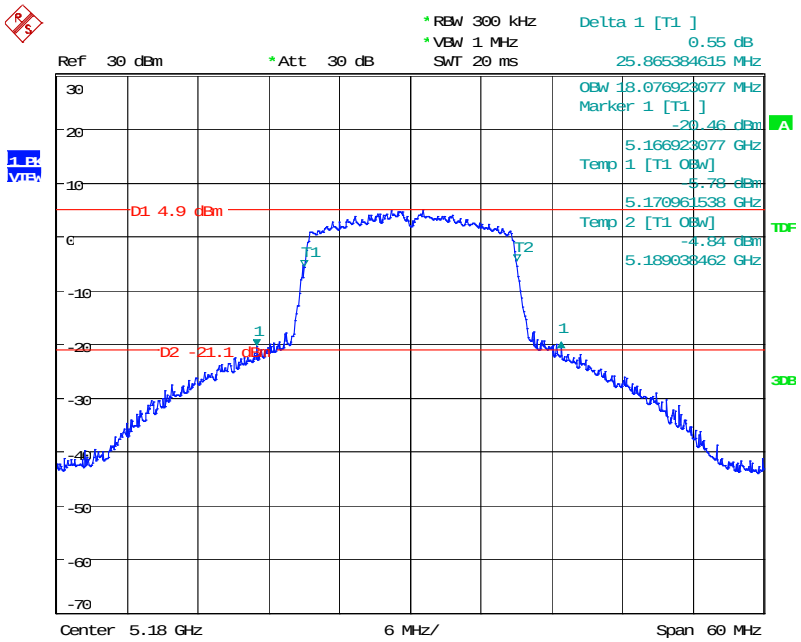


26dB Bandwidth and 99% Occupied Bandwidth (CH High)



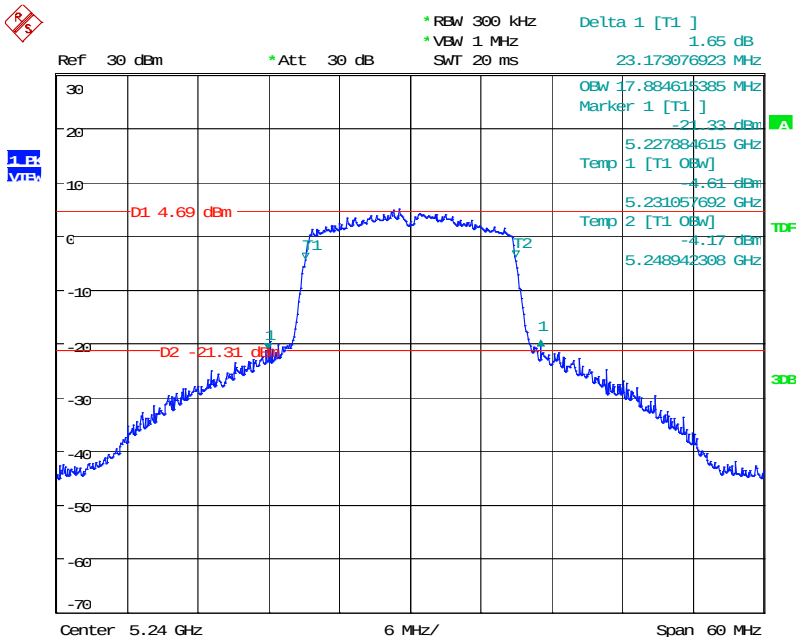
IEEE 802.11ac 5G 20MHz Band1

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 09:50:46

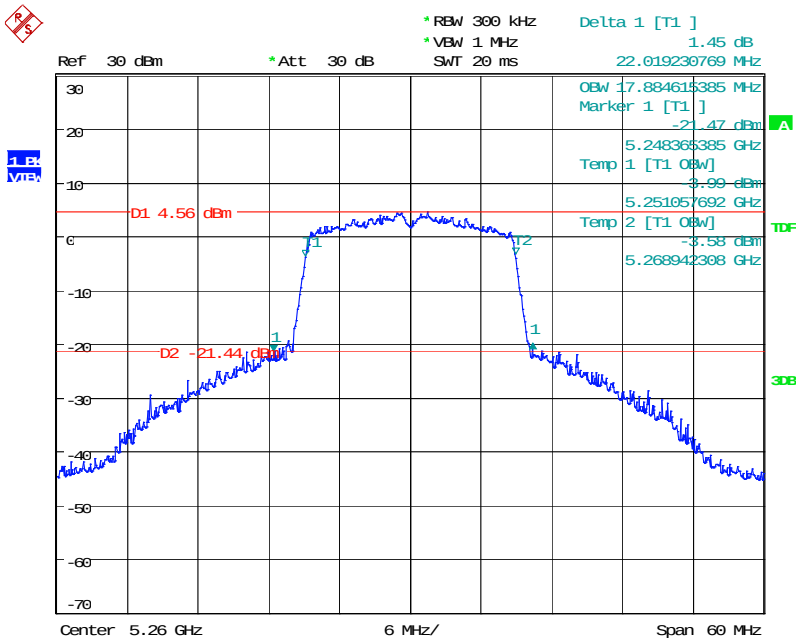
26dB Bandwidth and 99% Occupied Bandwidth (CH High)



Date: 19.OCT.2016 09:52:05

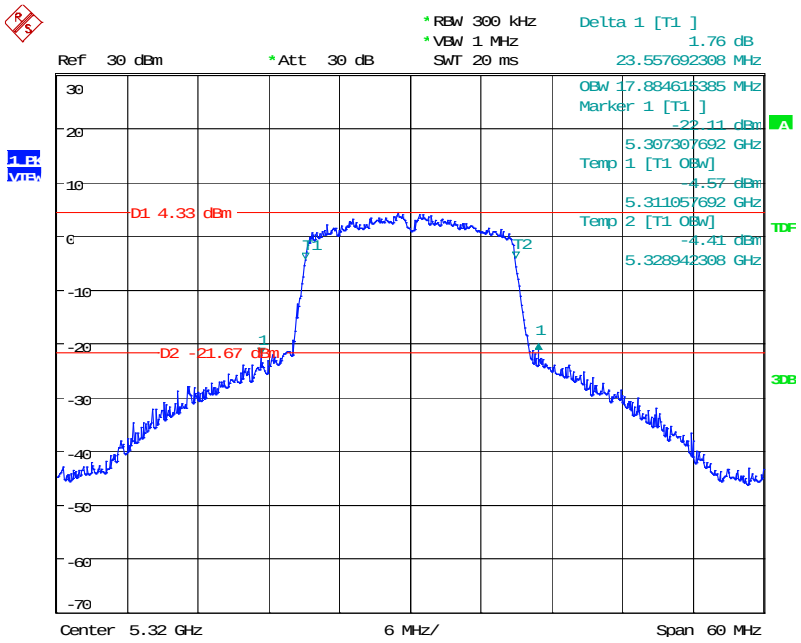
IEEE 802.11ac 5G 20MHz Band2

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 09:53:26

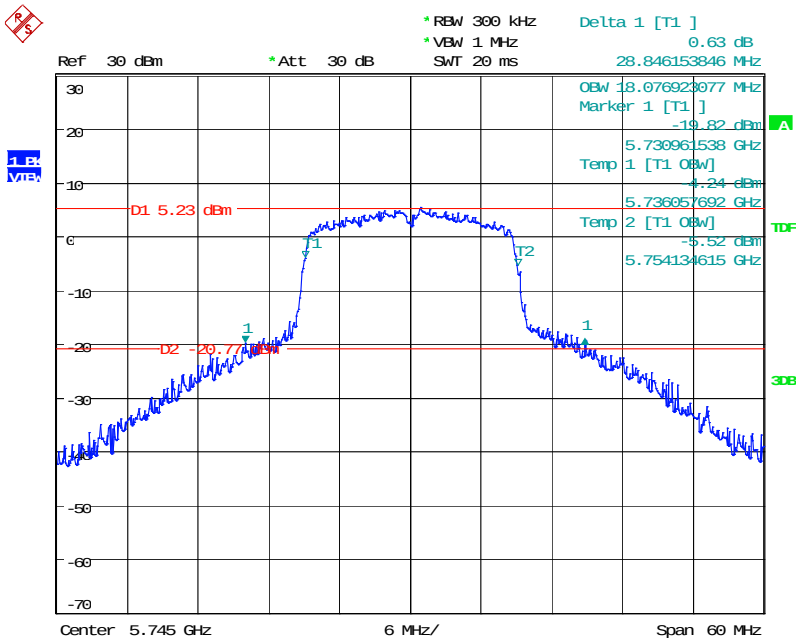
26dB Bandwidth and 99% Occupied Bandwidth (CH High)



Date: 19.OCT.2016 09:54:21

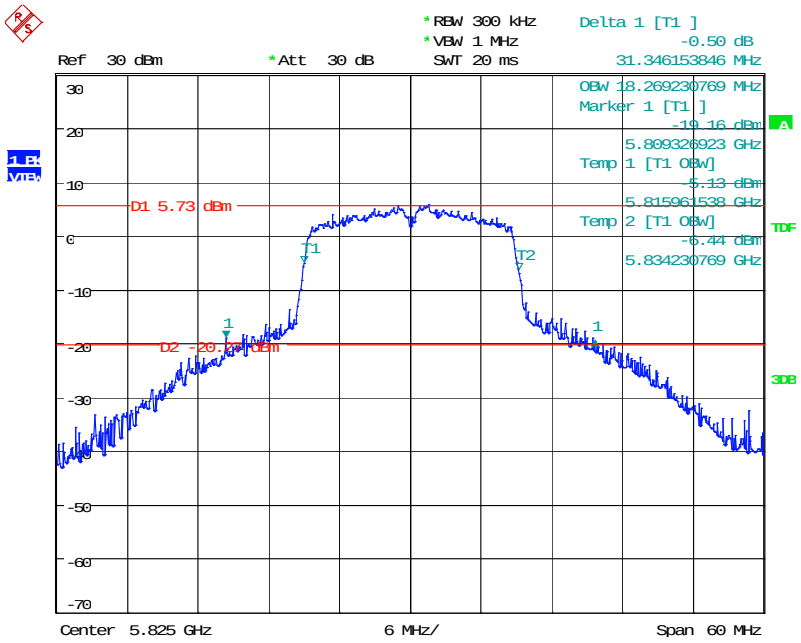
IEEE 802.11ac 5G 20MHz Band4

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 09:55:13

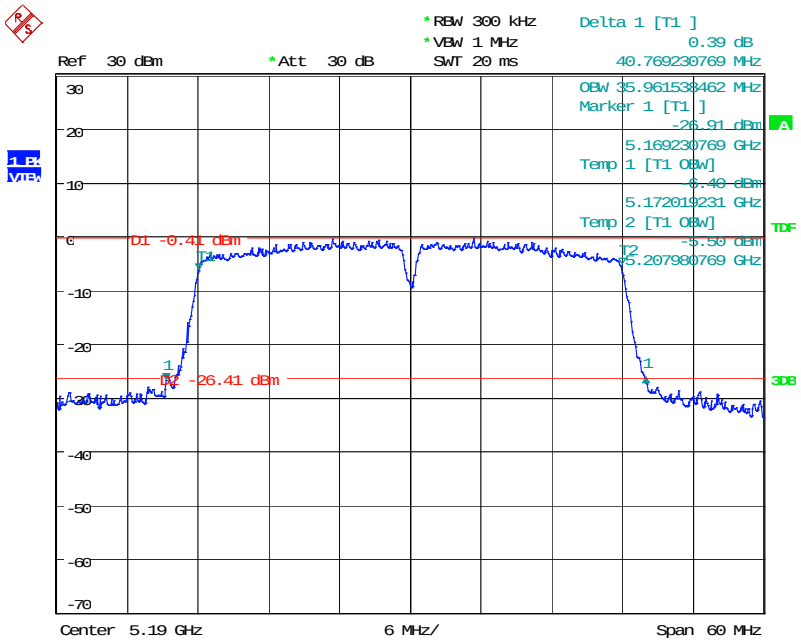
26dB Bandwidth and 99% Occupied Bandwidth (CH High)



Date: 19.OCT.2016 09:56:13

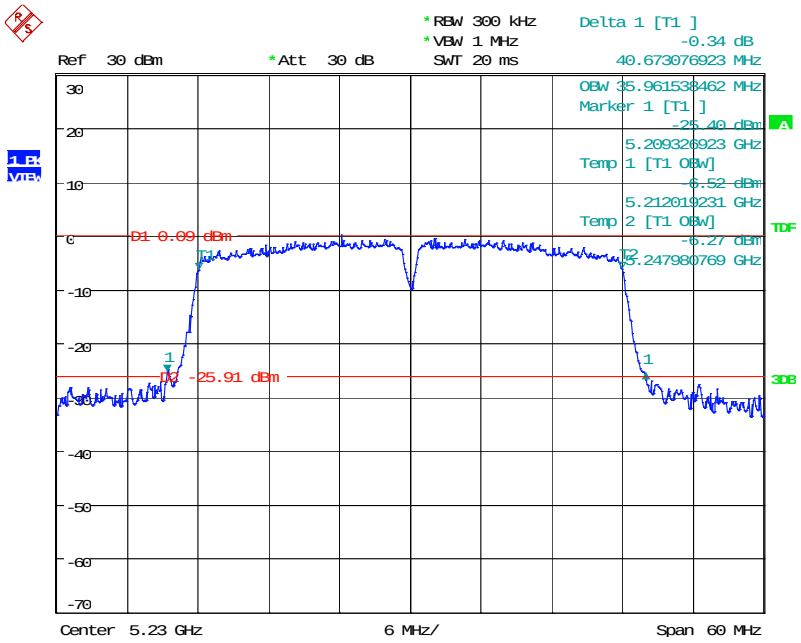
IEEE 802.11ac 5G 40MHz Band1

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 09:57:41

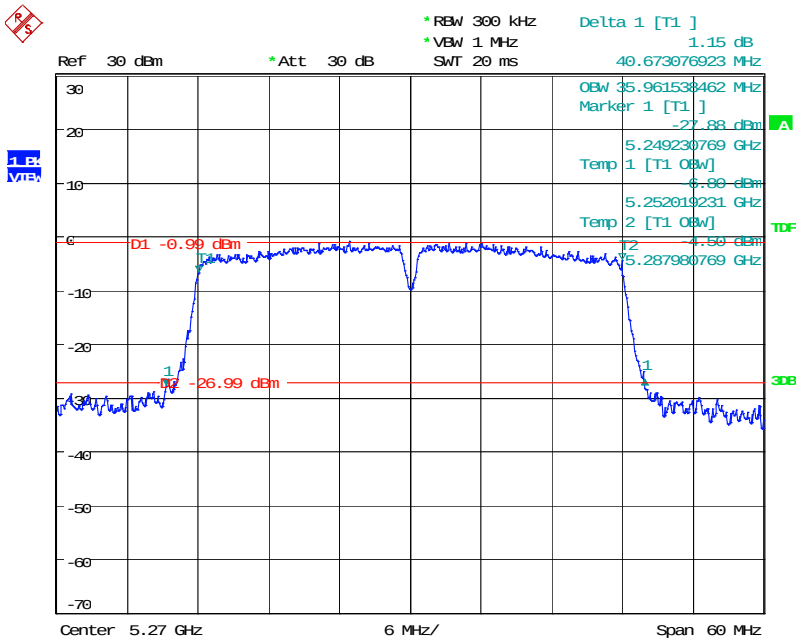
26dB Bandwidth and 99% Occupied Bandwidth (CH High)



Date: 19.OCT.2016 09:58:40

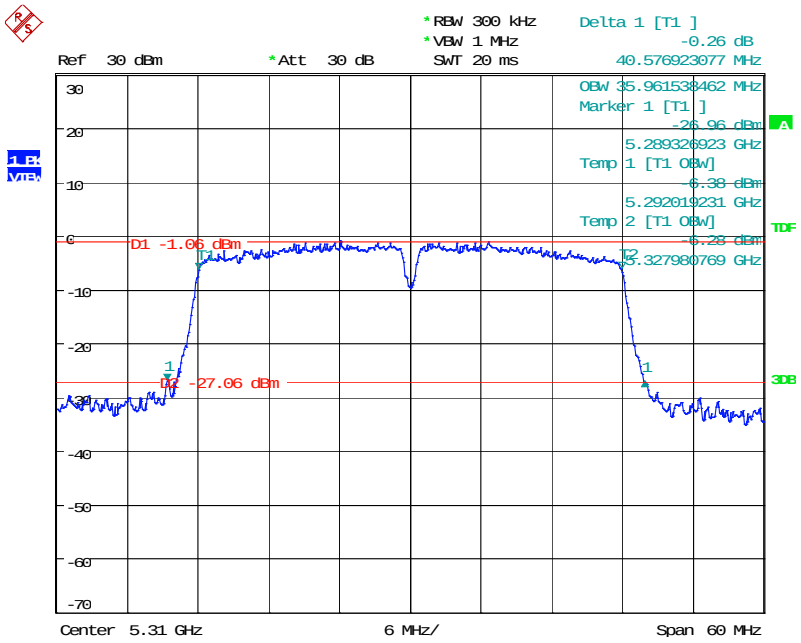
IEEE 802.11ac 5G 40MHz Band2

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 09:59:32

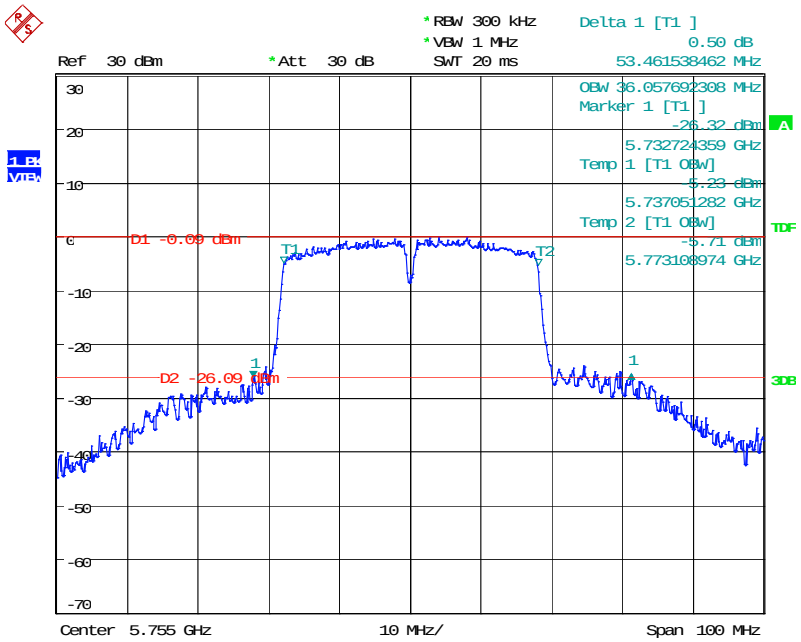
26dB Bandwidth and 99% Occupied Bandwidth (CH High)



Date: 19.OCT.2016 10:00:24

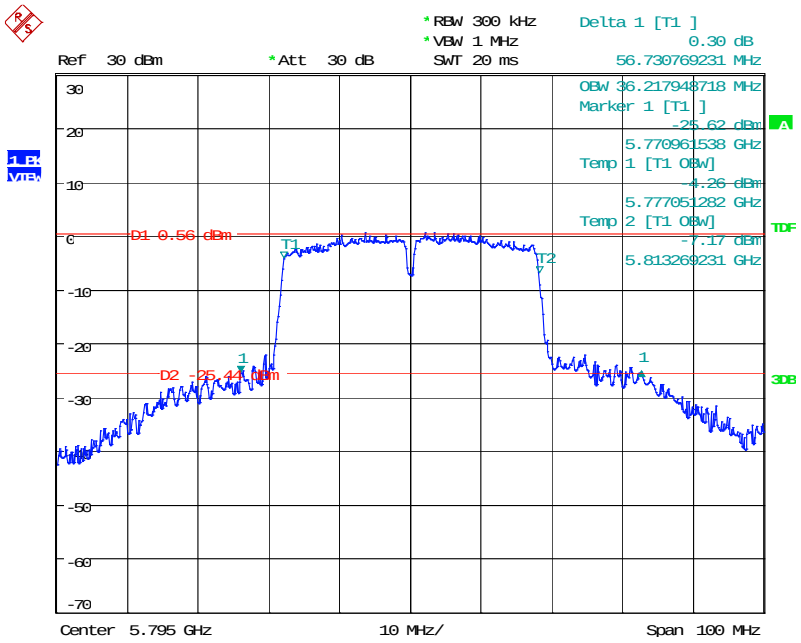
IEEE 802.11ac 5G 40MHz Band4

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 10:02:33

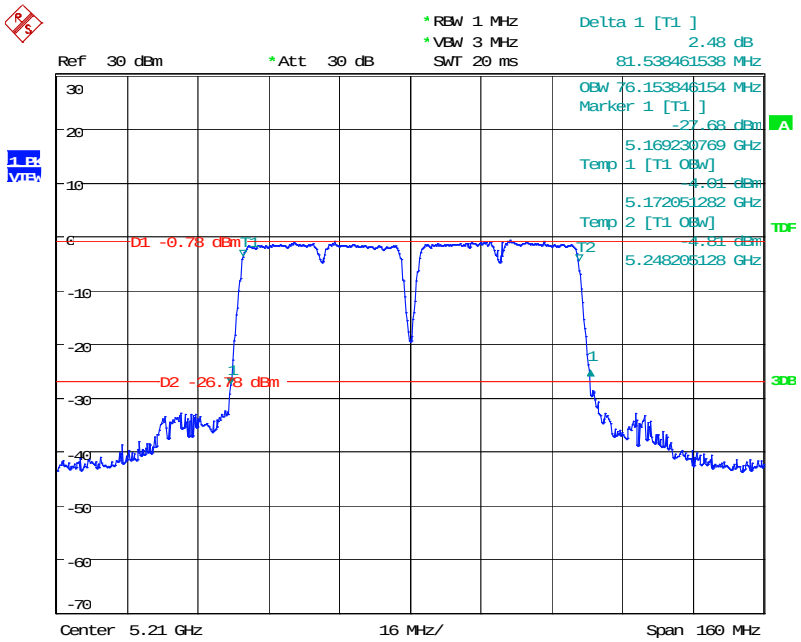
26dB Bandwidth and 99% Occupied Bandwidth (CH High)



Date: 19.OCT.2016 10:05:43

IEEE 802.11ac 5G 80MHz Band1

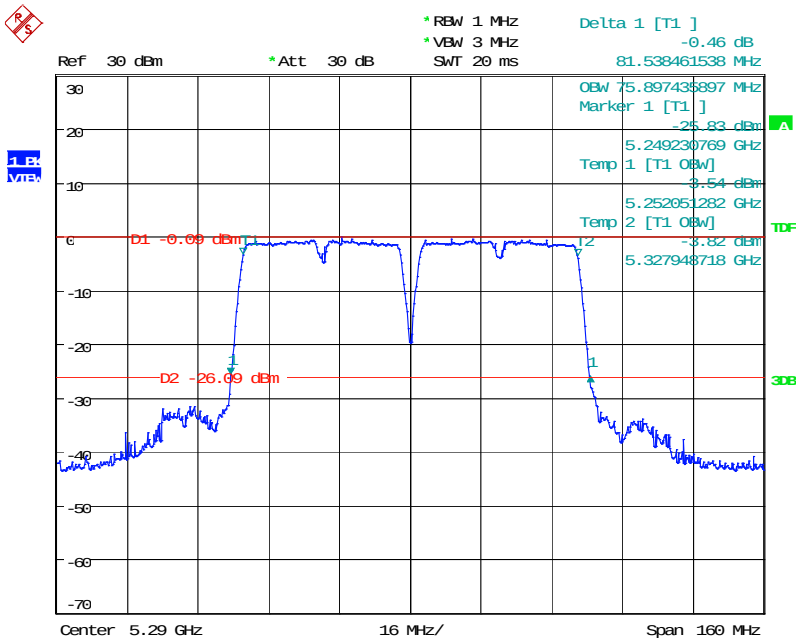
26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 10:08:29

IEEE 802.11ac 5G 80MHz Band2

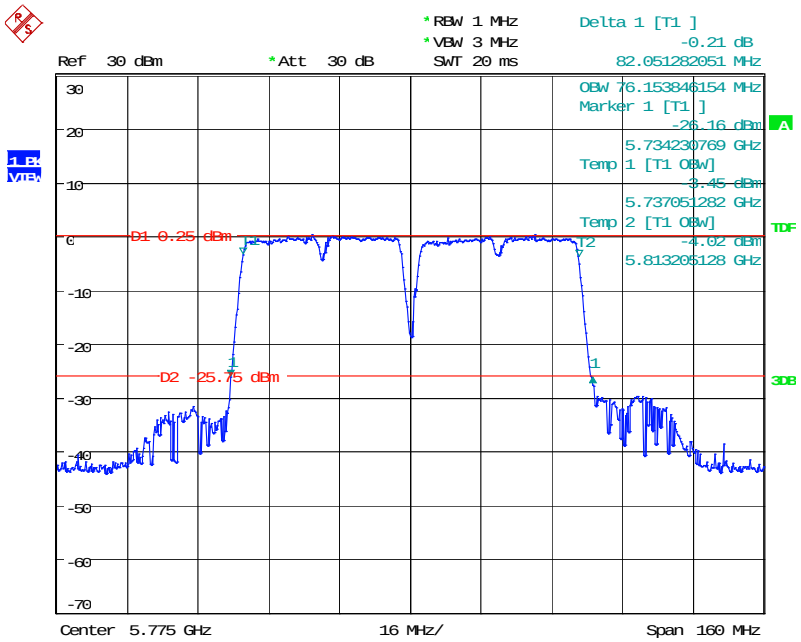
26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 10:10:10

IEEE 802.11ac 5G 80MHz Band4

26dB Bandwidth and 99% Occupied Bandwidth (CH Low)



Date: 19.OCT.2016 10:11:53

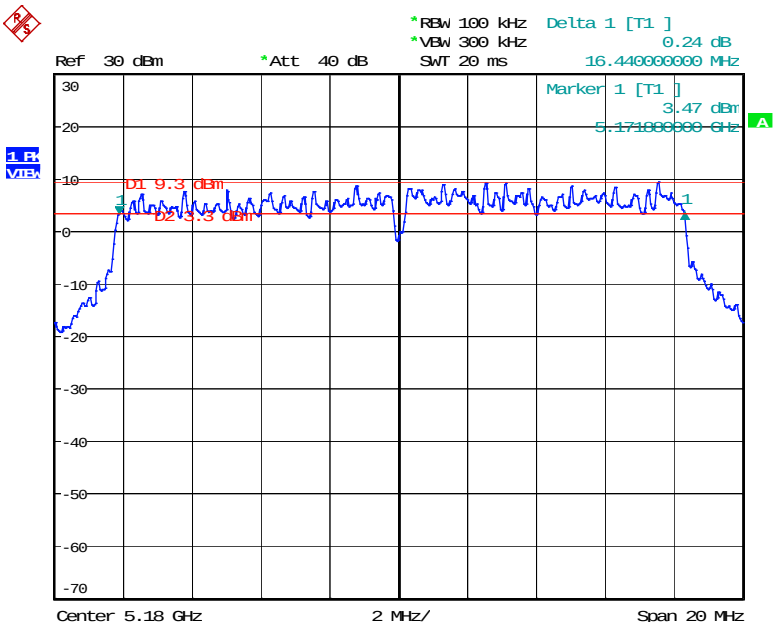
B. 6 dB Bandwidth

Product	: EUT-Sample	Test Mode	: See Section 2.2
Test Item	: 6 dB BW	Temperature	: 25 ℃
Test Voltage	: DC 5V	Humidity	: 56%RH
Test Result	: **PASS**		

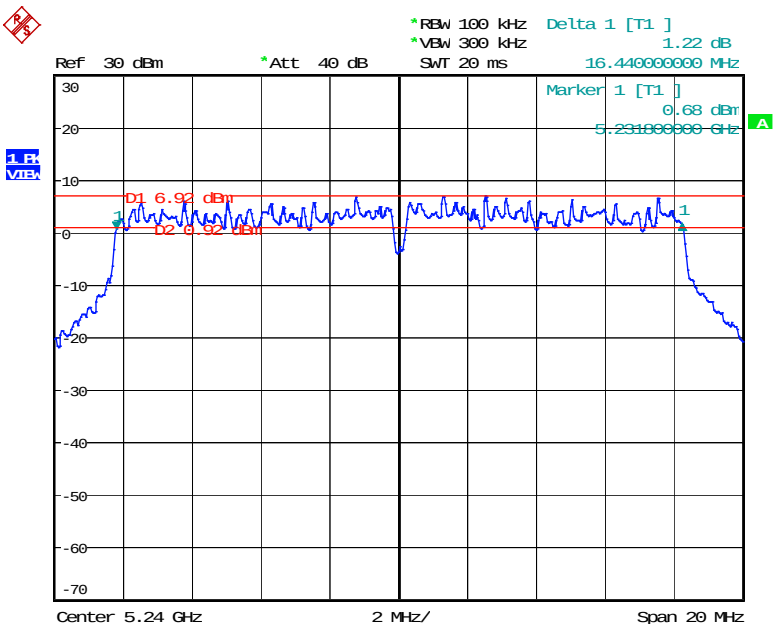
IEEE 802.11a

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5180**	16.44	> 0.5MHz
High	**5240**	16.44	> 0.5MHz

Channel Low



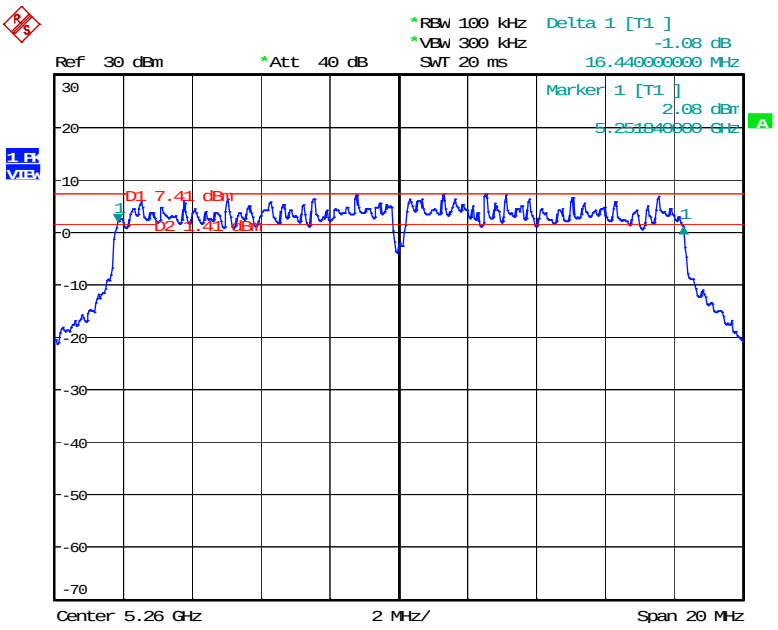
Channel High



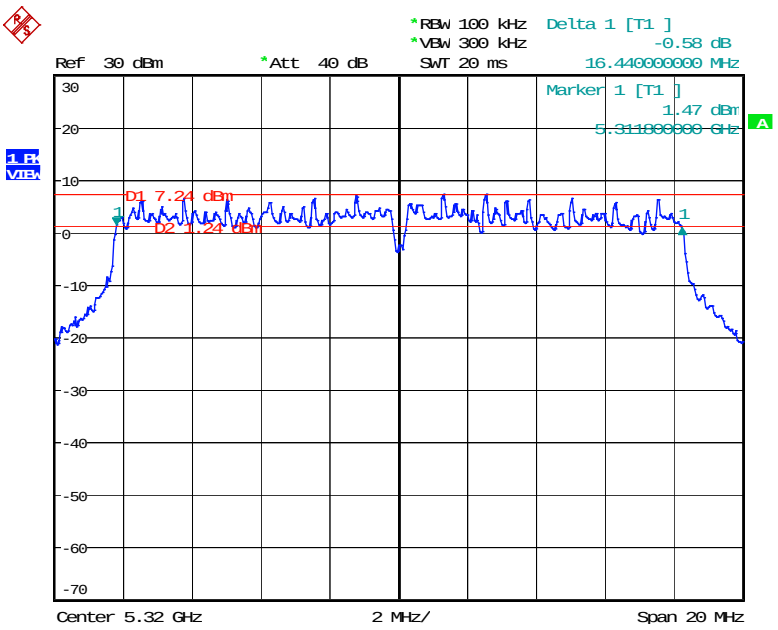
IEEE 802.11a

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5260**	16.44	> 0.5MHz
High	**5320**	16.44	> 0.5MHz

Channel Low



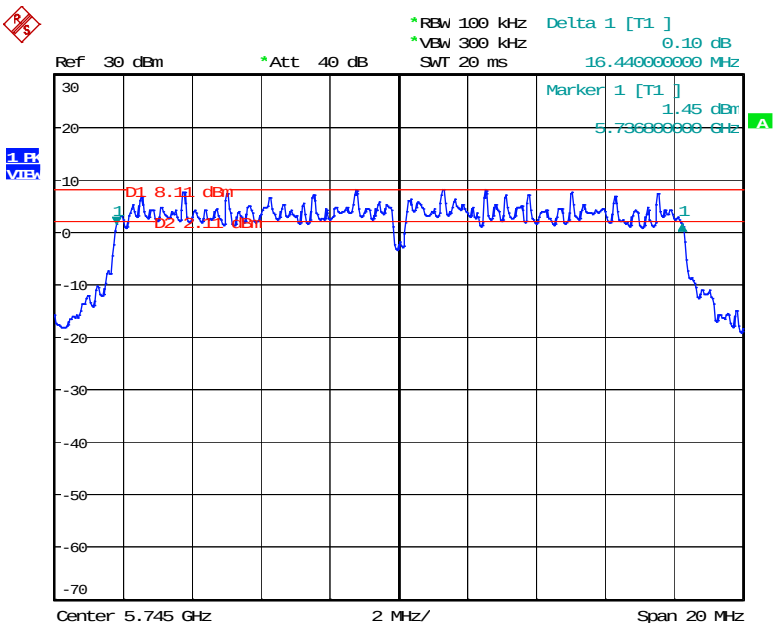
Channel High



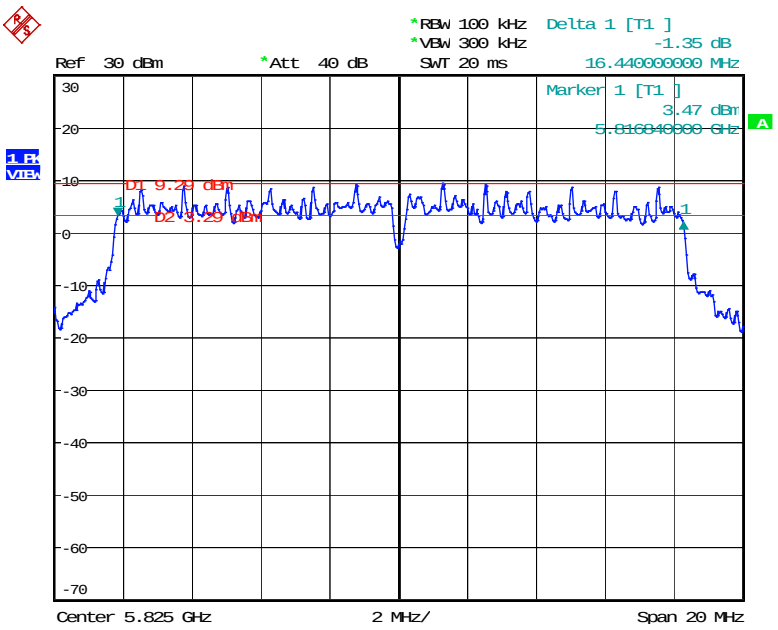
IEEE 802.11a

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5745**	16.44	> 0.5MHz
High	**5825**	16.44	> 0.5MHz

Channel Low



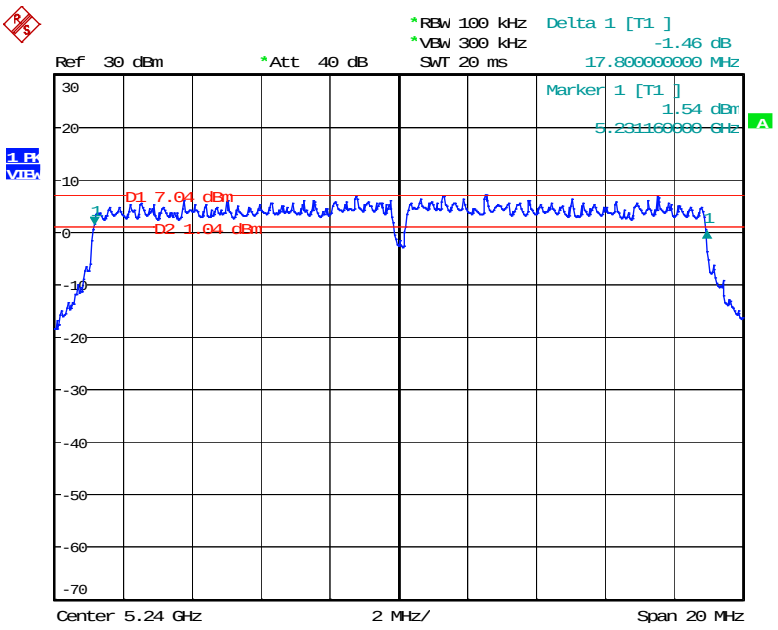
Channel High



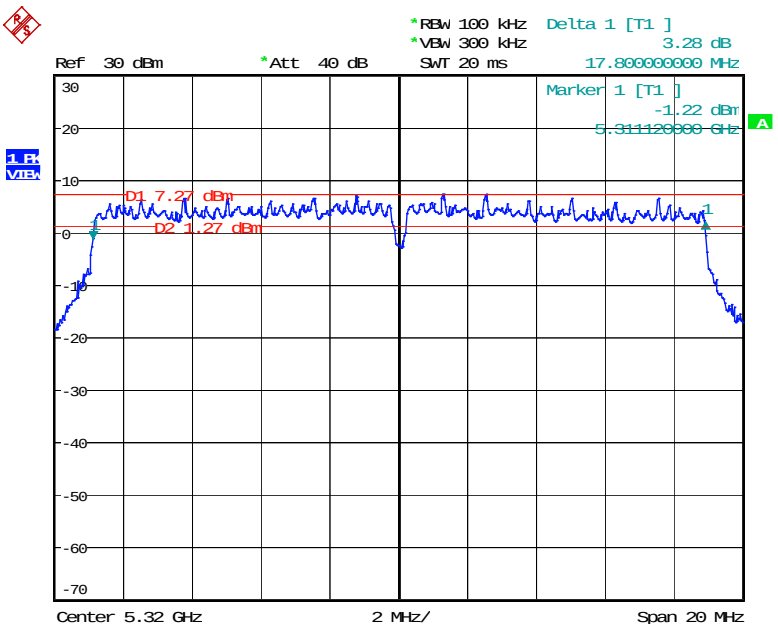
IEEE 802.11n 20MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5180**	17.80	> 0.5MHz
High	**5240**	17.80	> 0.5MHz

Channel Low



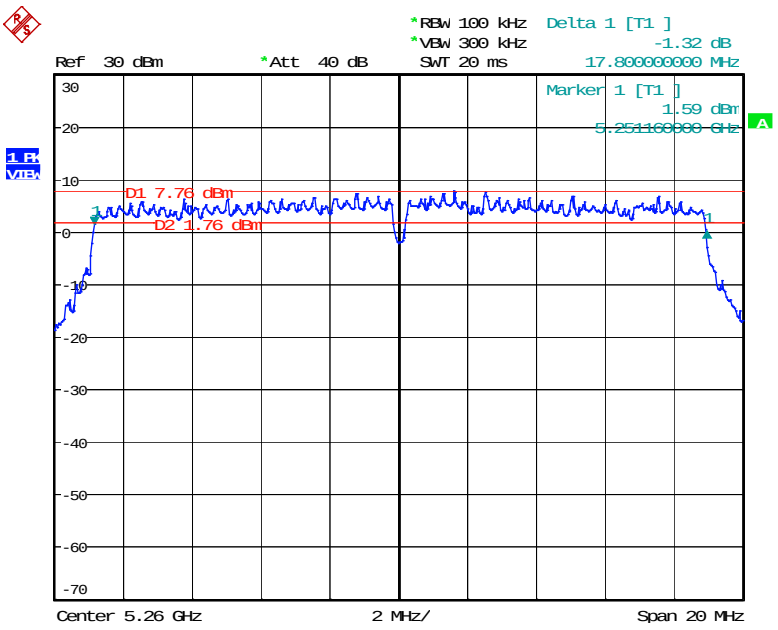
Channel High



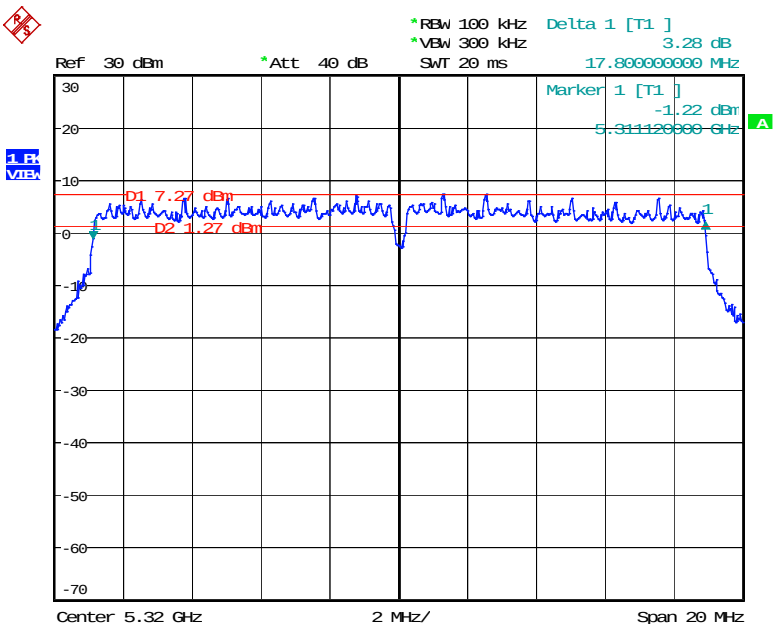
IEEE 802.11n 20MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5260**	17.80	> 0.5MHz
High	**5320**	17.80	> 0.5MHz

Channel Low



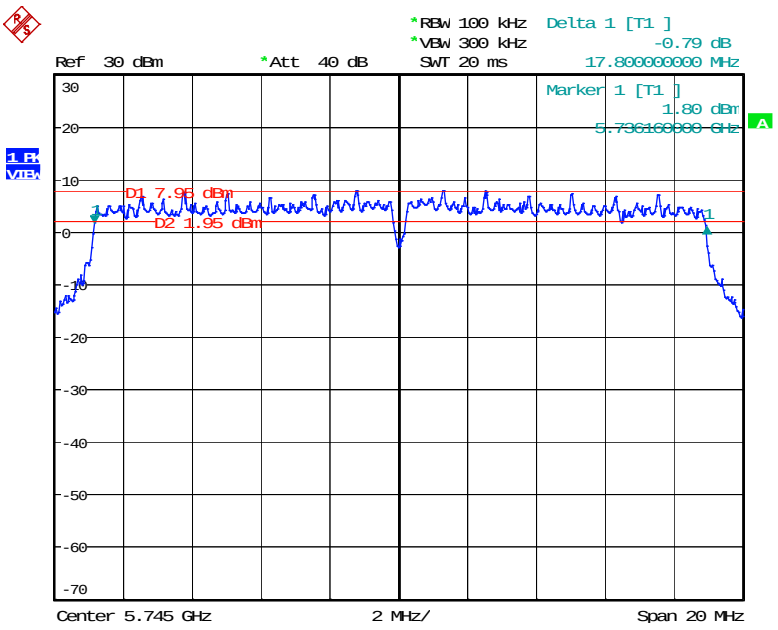
Channel High



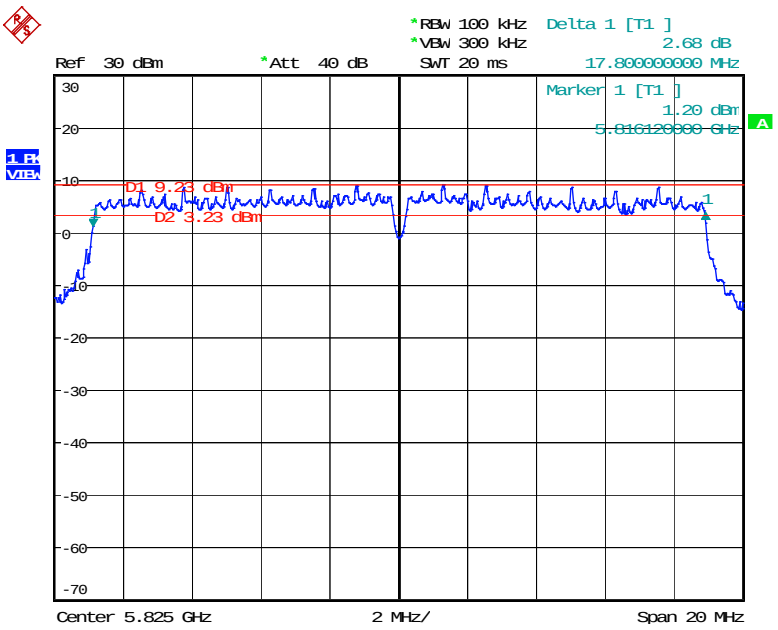
IEEE 802.11n 20MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5745**	17.80	> 0.5MHz
High	**5825**	17.80	> 0.5MHz

Channel Low



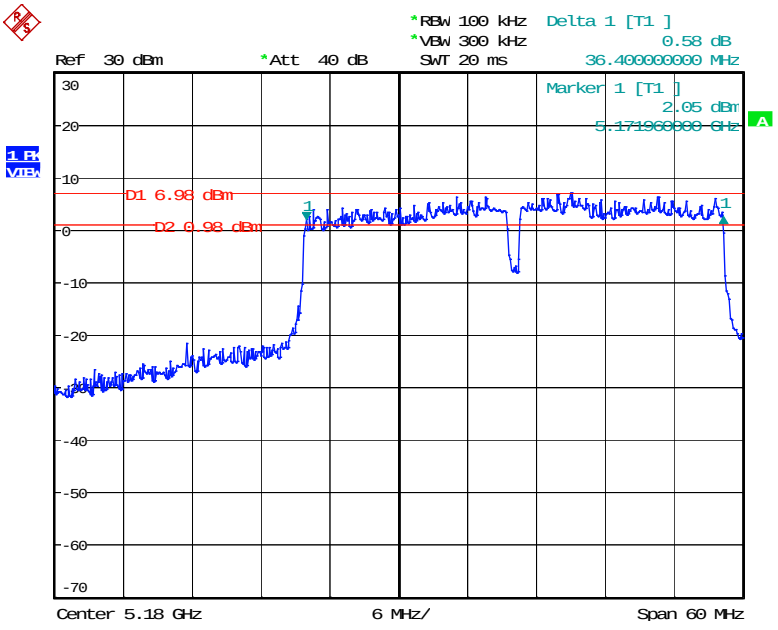
Channel High



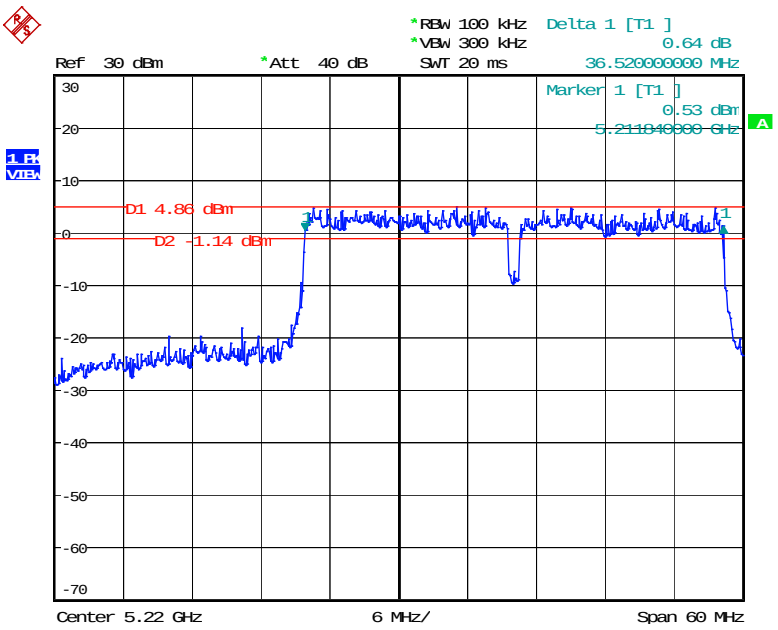
IEEE802.11n 40MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5190**	36.40	> 0.5MHz
High	**5230**	36.52	> 0.5MHz

Channel Low



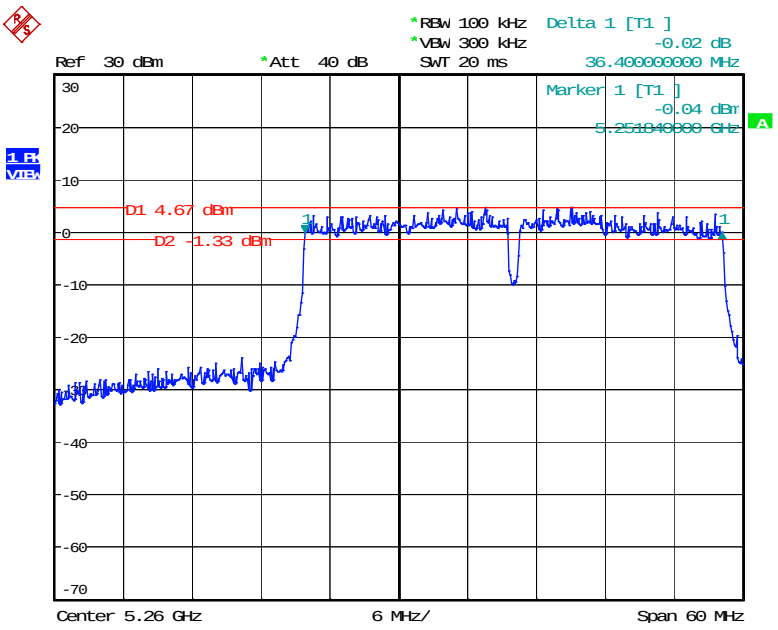
Channel High



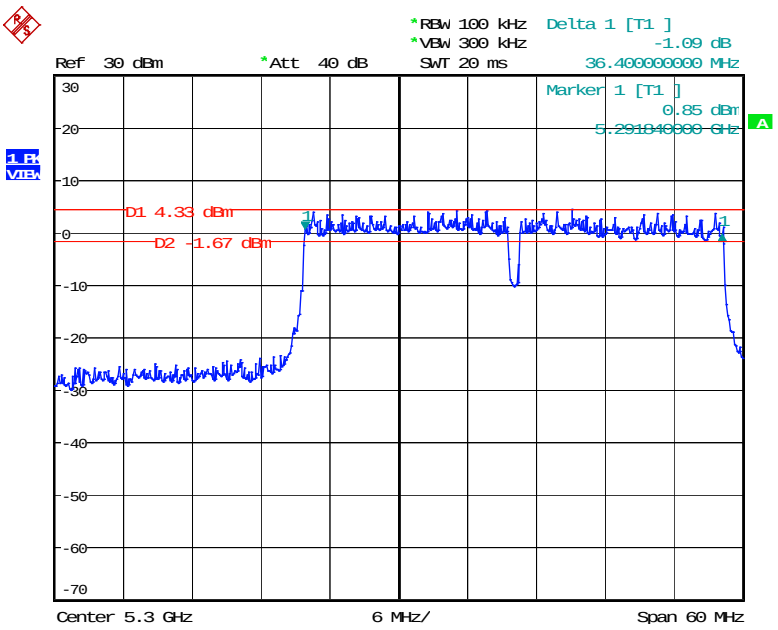
IEEE 802.11n 40MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5270**	36.40	> 0.5MHz
High	**5310**	36.40	> 0.5MHz

Channel Low



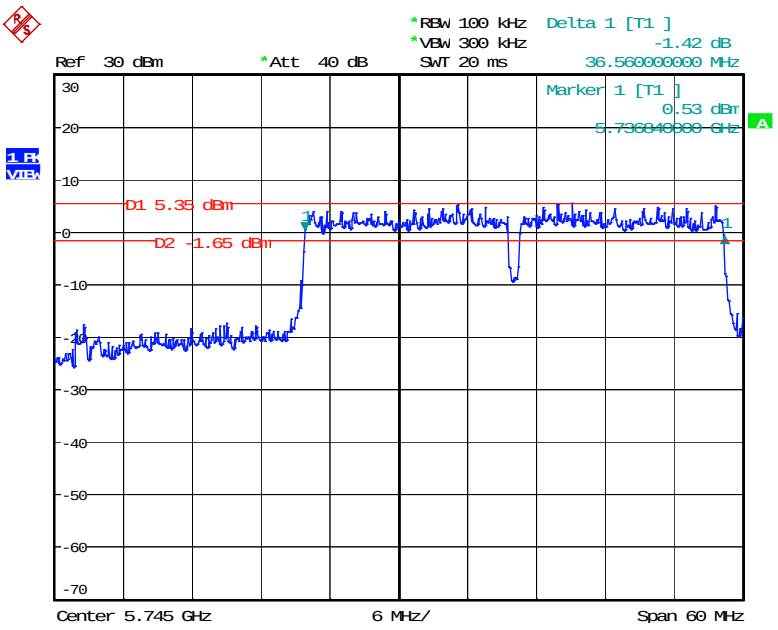
Channel High



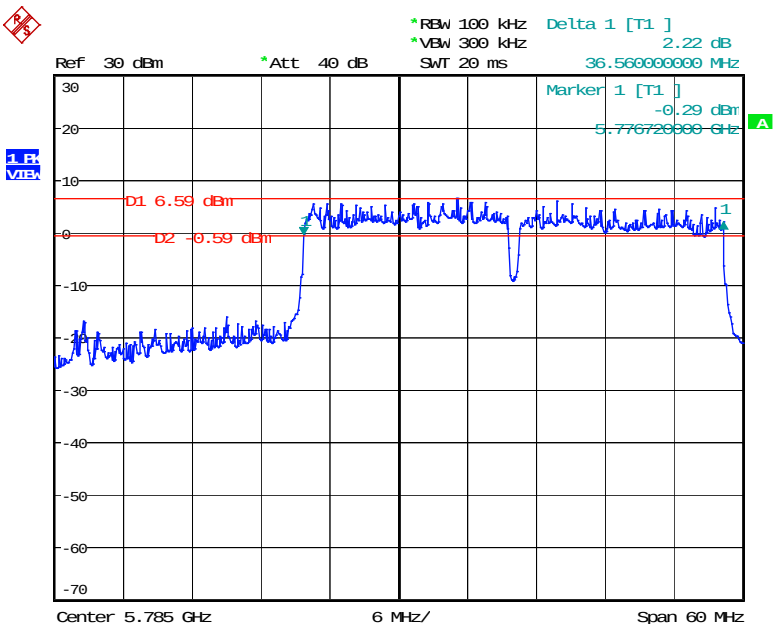
IEEE 802.11n 40MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	5755	36.56	> 0.5MHz
High	5795	36.56	> 0.5MHz

Channel Low



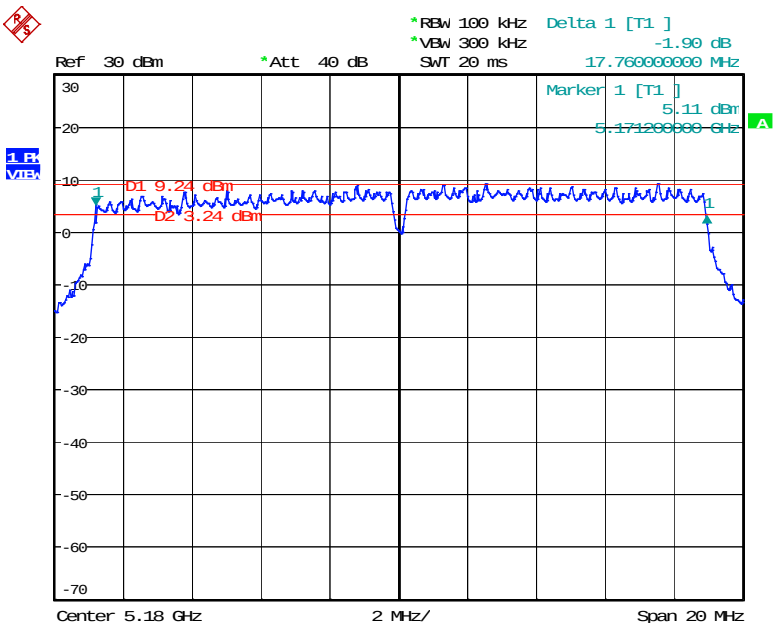
Channel High



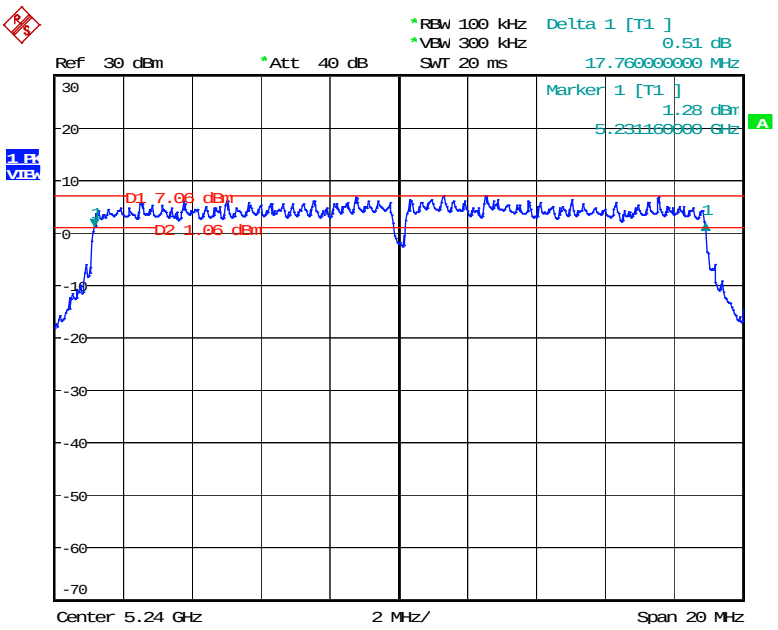
802.11ac 5GHz 20MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5180**	17.76	> 0.5MHz
High	**5240**	17.76	> 0.5MHz

Channel Low



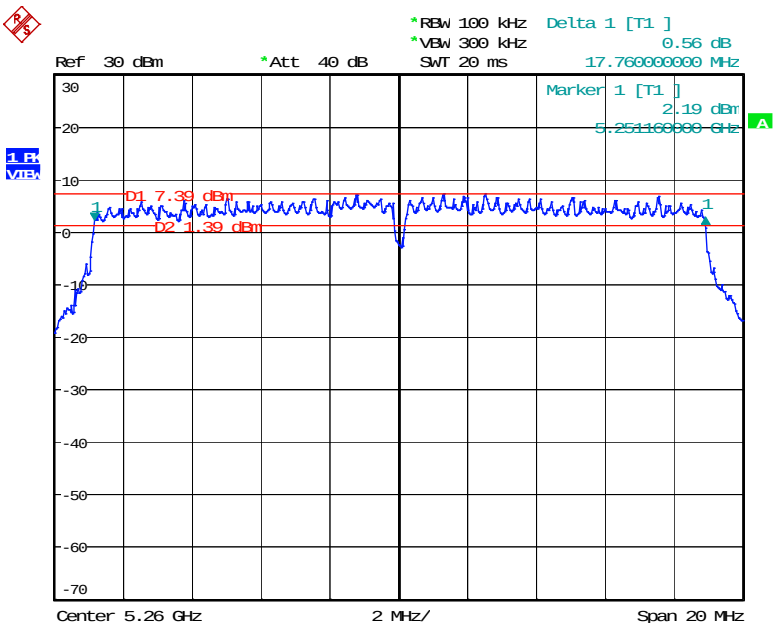
Channel High



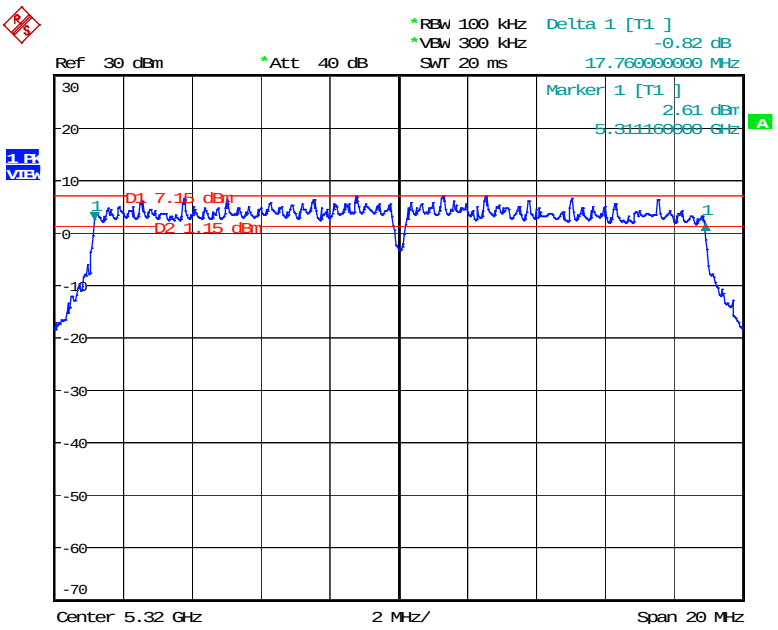
802.11ac 5GHz 20MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5260**	17.76	> 0.5MHz
High	**5320**	17.76	> 0.5MHz

Channel Low



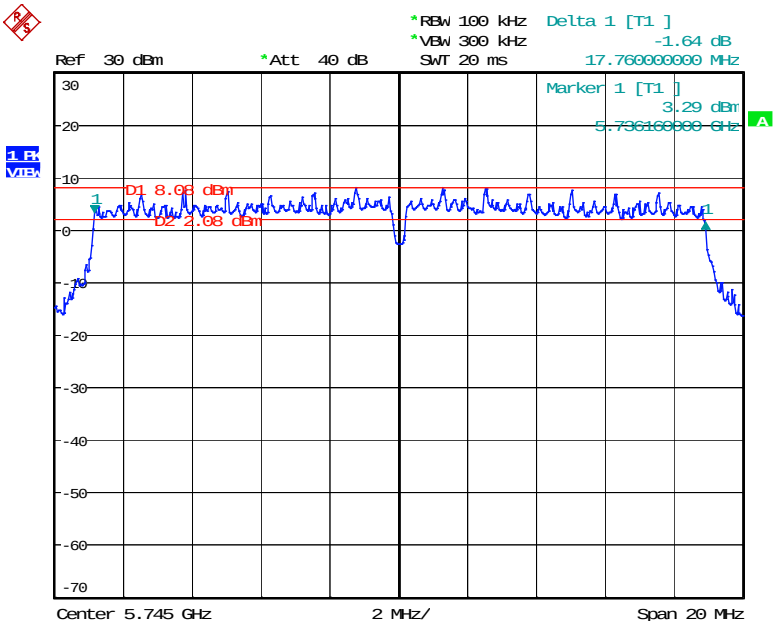
Channel High



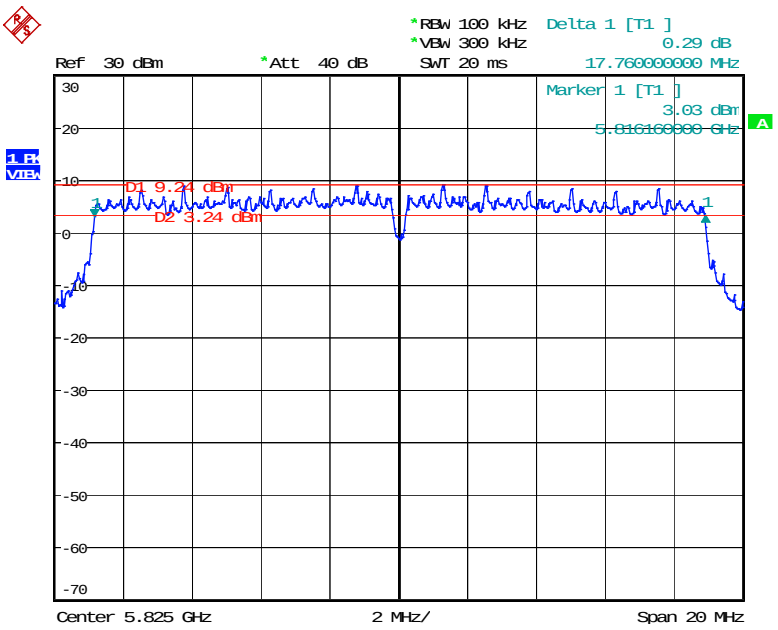
802.11ac 5GHz 20MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5745**	17.76	> 0.5MHz
High	**5825**	17.76	> 0.5MHz

Channel Low



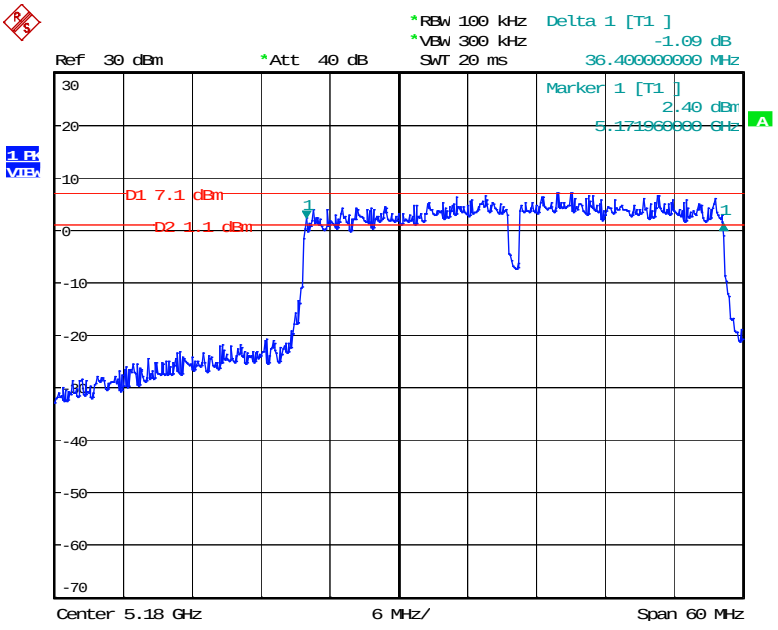
Channel High



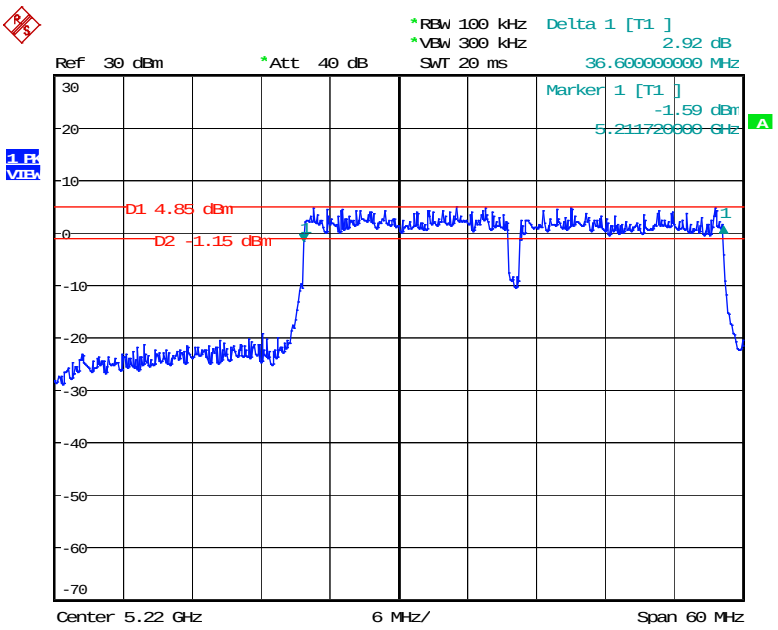
802.11ac 5GHz 40MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5190**	36.40	> 0.5MHz
High	**5230**	36.60	> 0.5MHz

Channel Low



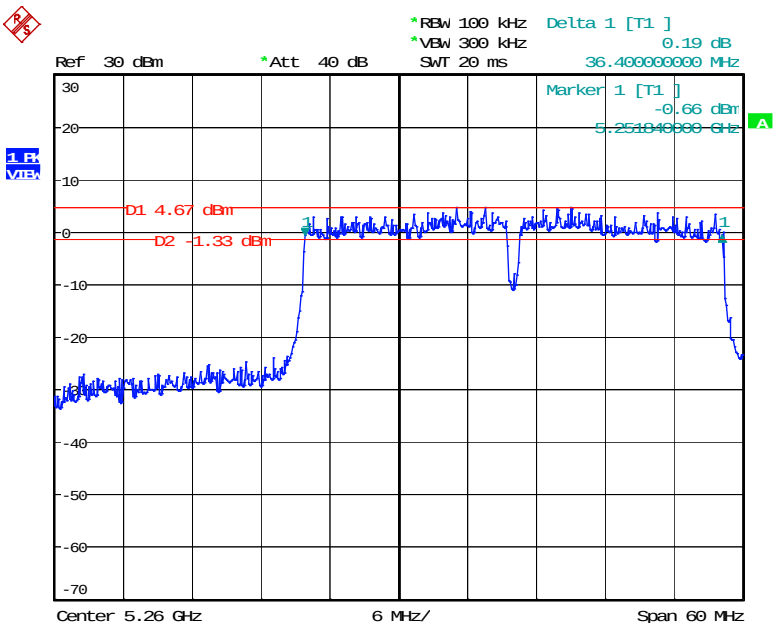
Channel High



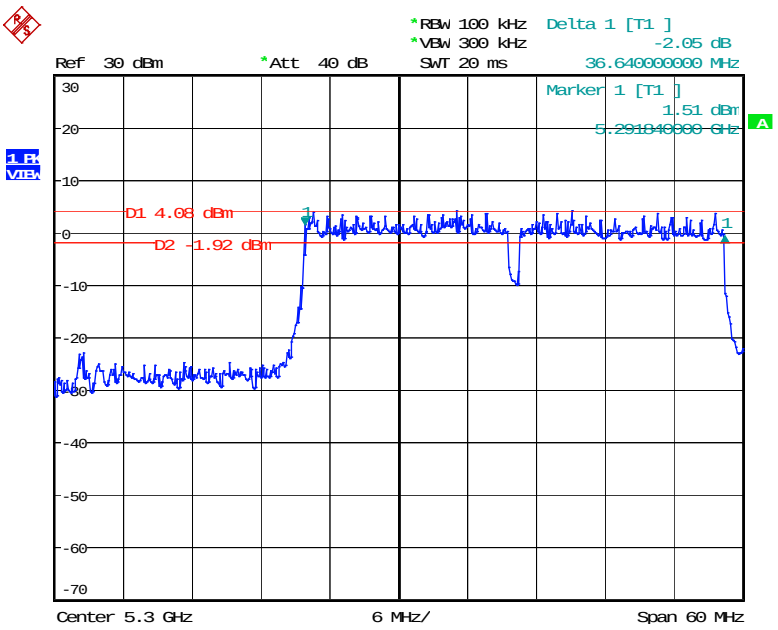
802.11ac 5GHz 40MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5270**	36.40	> 0.5MHz
High	**5310**	36.64	> 0.5MHz

Channel Low



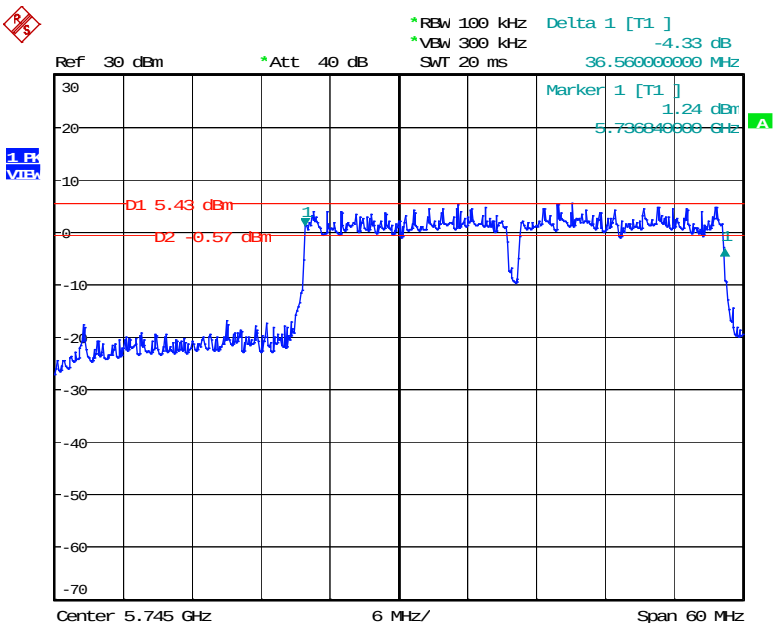
Channel High



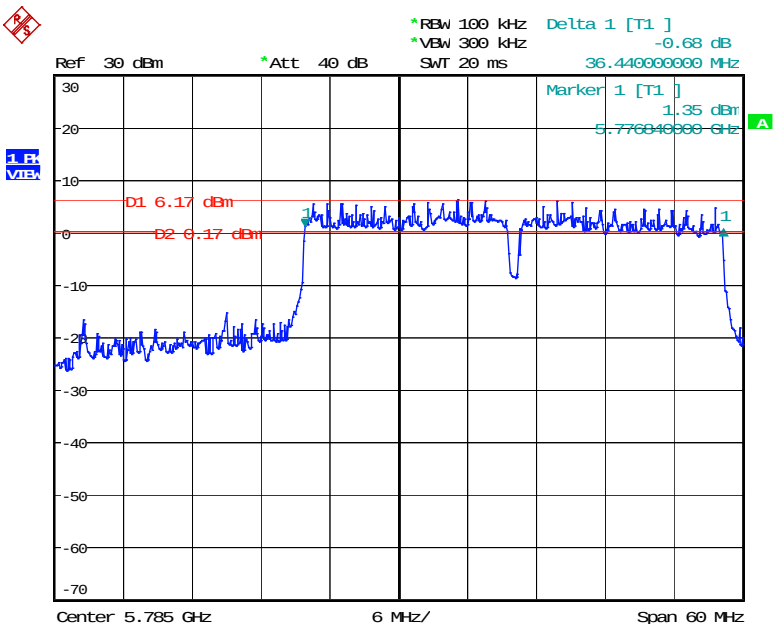
802.11ac 5GHz 40MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	5755	36.56	> 0.5MHz
High	5795	36.44	> 0.5MHz

Channel Low



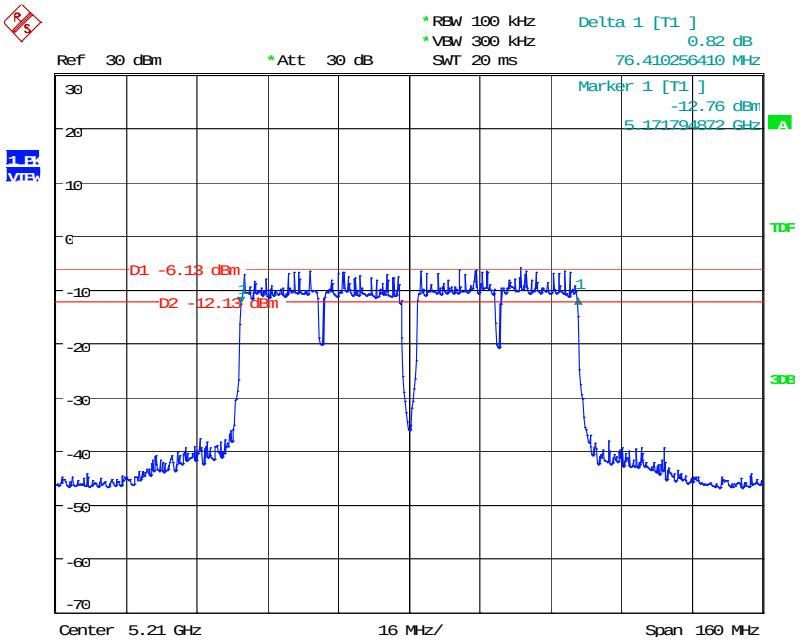
Channel High



802.11ac 5GHz 80MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5210**	76.41	> 0.5MHz
High			

Channel Low

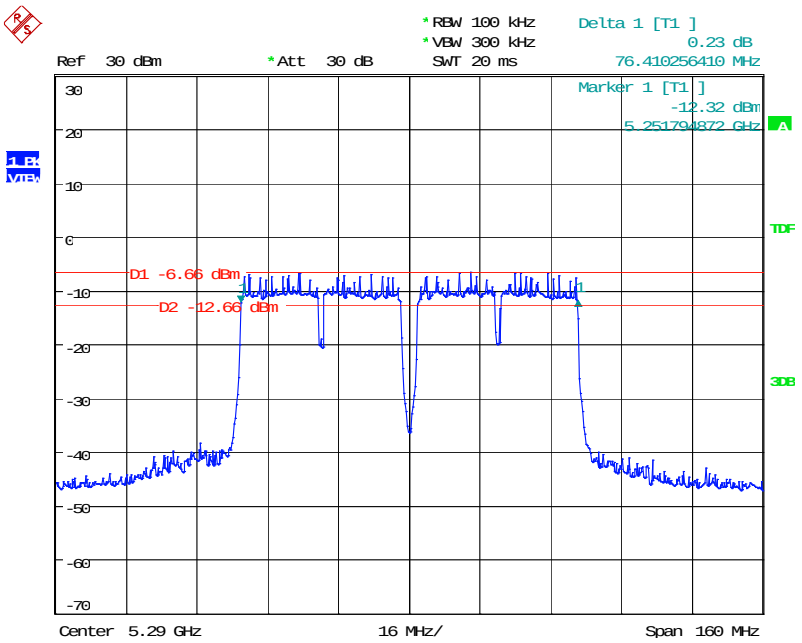


Date: 19.OCT.2016 10:17:54

802.11ac 5GHz 80MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	**5290**	76.41	> 0.5MHz
High			

Channel Low



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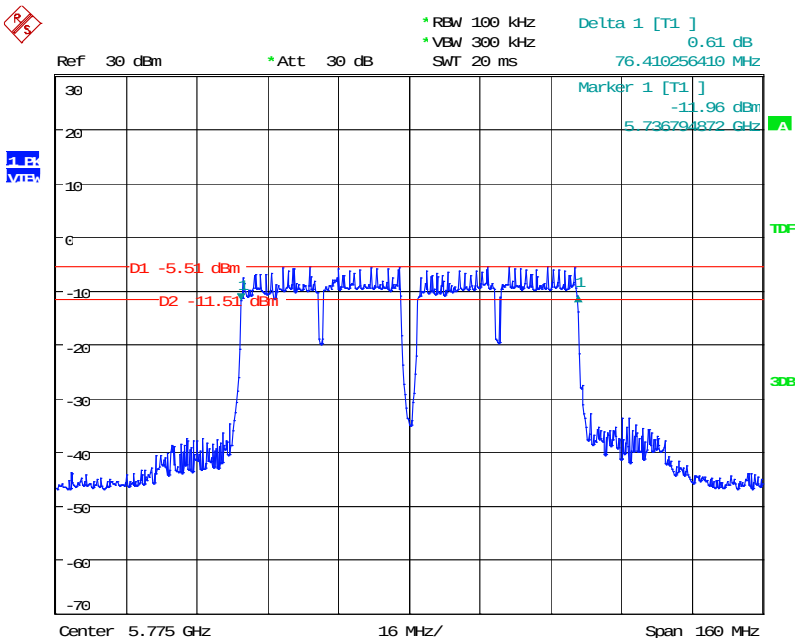
802.11ac 5GHz 80MHz

Channel	Measured Frequency (MHz)	6 dB Bandwidth (MHz)	Limit
Low	5775	76.41	> 0.5MHz
High			

Channel Low



Date: 19.OCT.2016 10:16:37

C. Peak Power

Product	: EUT-Sample	Test Mode	: See Section 2.2
Test Item	: Peak Power	Temperature	: 25 ℃
Test Voltage	: DC 5V	Humidity	: 56%RH
Test Result	: **PASS**		

IEEE 802.11a Band1

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5180	15.61	0.25/24.00	PASS
High	5240	14.92		PASS

IEEE 802.11a Band2

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5260	15.13	0.25/24.00	PASS
High	5320	15.32		PASS

IEEE 802.11a Band4

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5745	15.23	1.00/30.00	PASS
High	5825	15.65		PASS

IEEE 802.11n 5G 20MHz Band1

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5180	13.50	0.25/24.00	PASS
High	5240	13.05		PASS

IEEE 802.11n 5G 20MHz Band2

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5260	13.34	0.25/24.00	PASS
High	5320	13.83		PASS

IEEE 802.11n 5G 20MHz Band4

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5745	12.85	1.00/30.00	PASS
High	5825	13.69		PASS

IEEE 802.11n 5G 40MHz Band1

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5190	12.06	0.25/24.00	PASS
High	5230	11.87		PASS

IEEE 802.11n 5G 40MHz Band2

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5270	11.59	0.25/24.00	PASS
High	5310	11.88		PASS

IEEE 802.11n 5G 40MHz Band4

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5755	12.38	1.00/30.00	PASS
High	5795	12.48		PASS

IEEE 802.11ac 5G 20MHz Band1

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5180	13.75	0.25/24.00	PASS
High	5240	14.31		PASS

IEEE 802.11ac 5G 20MHz Band2

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5260	13.13	0.25/24.00	PASS
High	5320	12.26		PASS

IEEE 802.11ac 5G 20MHz Band4

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5745	12.52	1.00/30.00	PASS
High	5825	12.56		PASS

IEEE 802.11ac 5G 40MHz Band1

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5190	14.67	0.25/24.00	PASS
High	5230	12.43		PASS

IEEE 802.11ac 5G 40MHz Band2

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5270	12.02	0.25/24.00	PASS
High	5310	14.81		PASS

IEEE 802.11ac 5G 40MHz Band4

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5755	13.57	1.00/30.00	PASS
High	5795	12.28		PASS

IEEE 802.11ac 5G 80MHz Band1

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5210	13.81	0.25/24.00	PASS

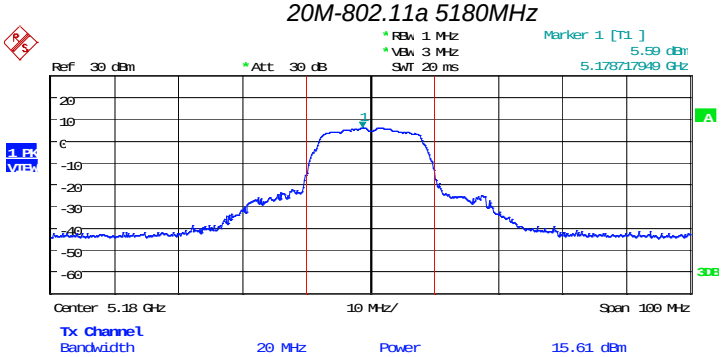
IEEE 802.11ac 5G 80MHz Band2

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5290	13.65	0.25/24.00	PASS

IEEE 802.11ac 5G 80MHz Band4

Channel	Frequency (MHz)	Output Power (dBm)	FCC Limit (W/dBm)	Result
Low	5775	13.72	1.00/30.00	PASS

20M-802.11a 5180MHz



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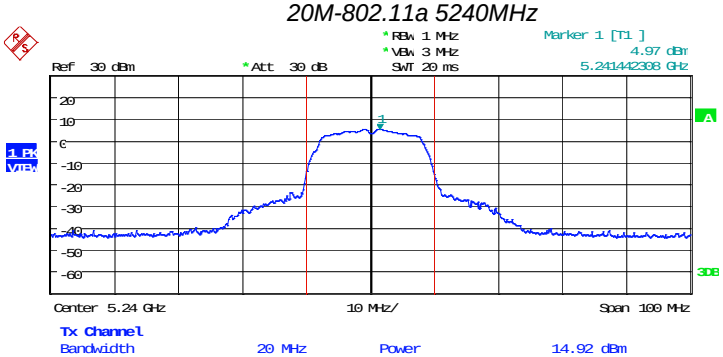
20M-802.11a 5240MHz



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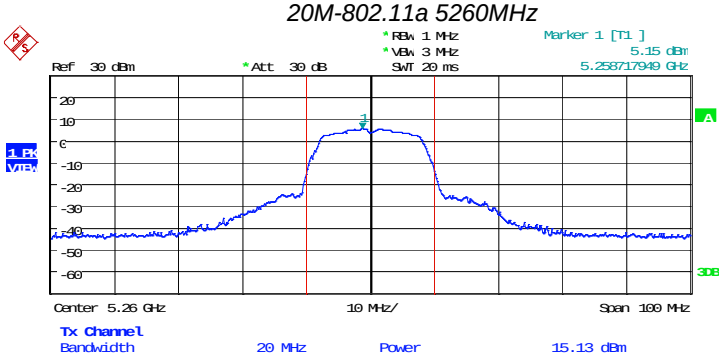
20M-802.11a 5260MHz



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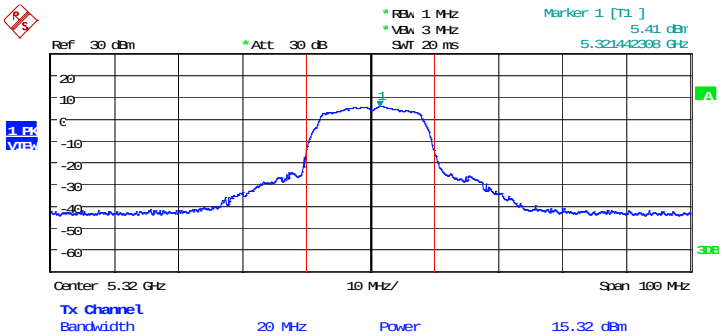
20M-802.11a 5320MHz



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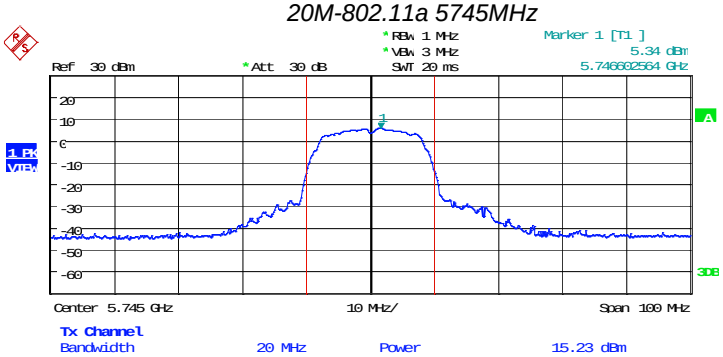
20M-802.11a 5745MHz



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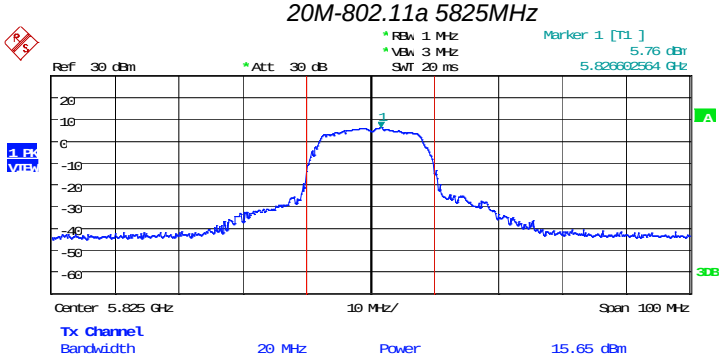
20M-802.11a 5825MHz



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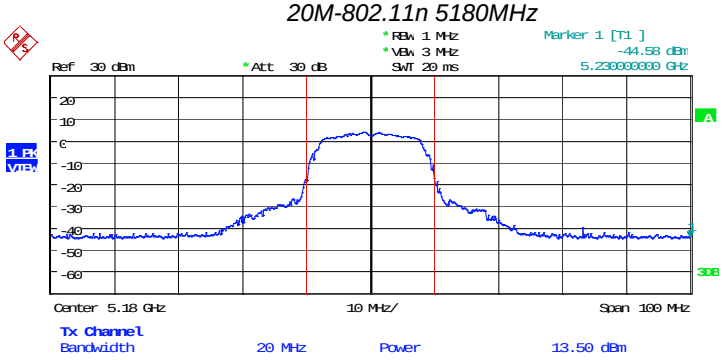
20M-802.11n 5180MHz



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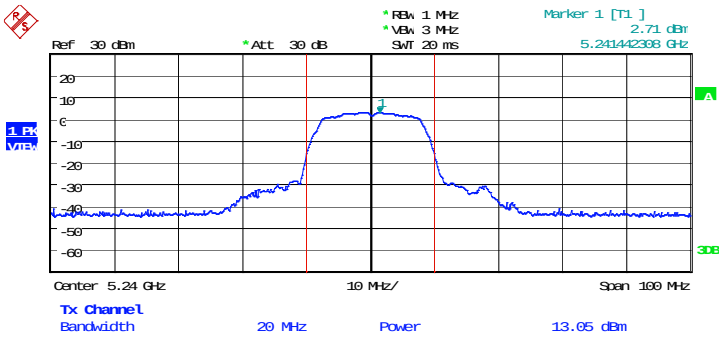
20M-802.11n 5240MHz



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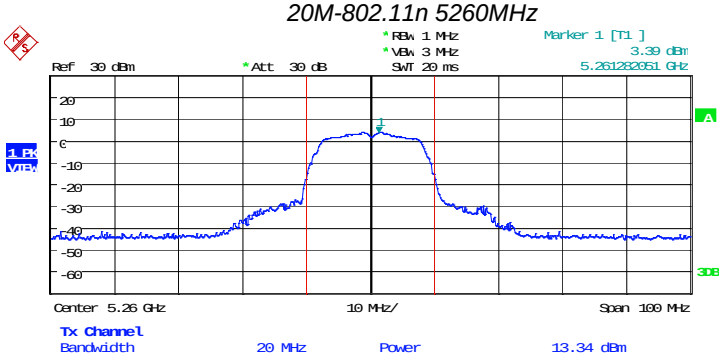
20M-802.11n 5260MHz



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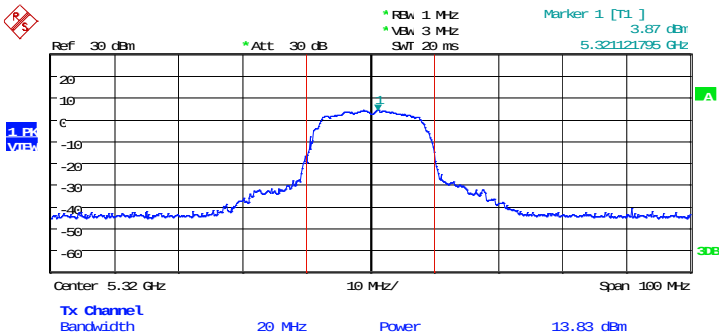
20M-802.11n 5320MHz



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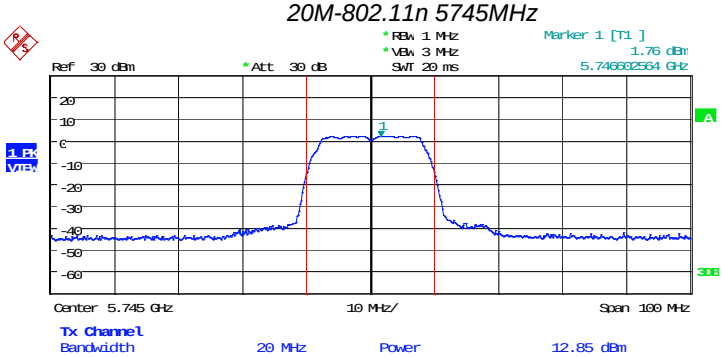
20M-802.11n 5745MHz



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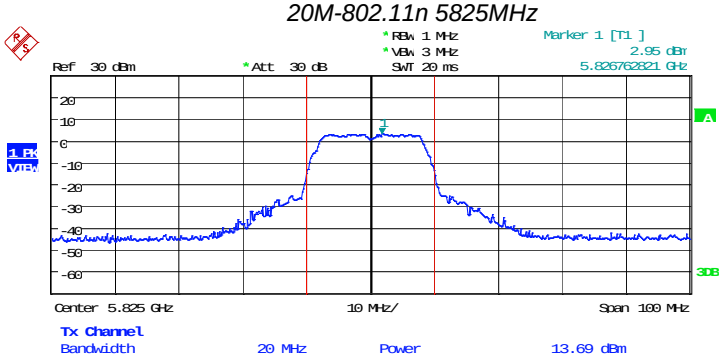
20M-802.11n 5825MHz



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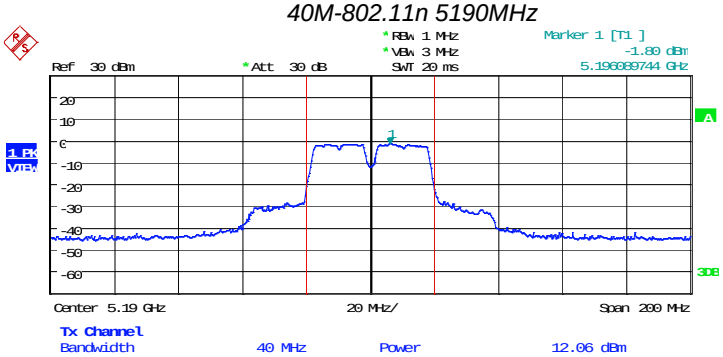
40M-802.11n 5190MHz



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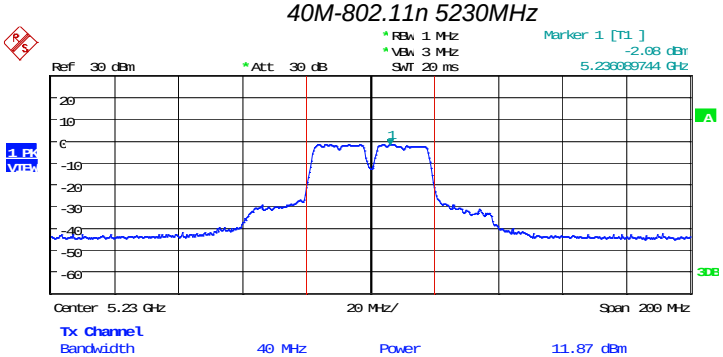
40M-802.11n 5230MHz



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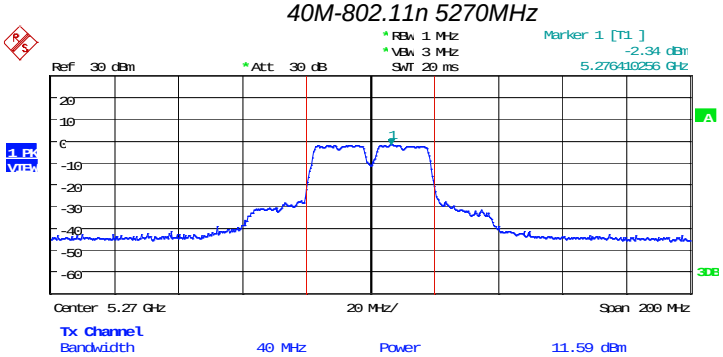
40M-802.11n 5270MHz



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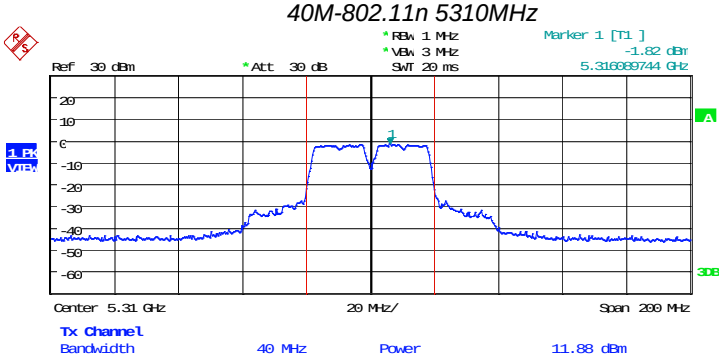
40M-802.11n 5310MHz



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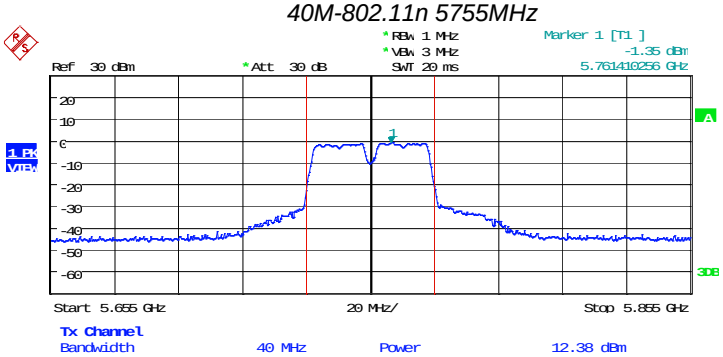
40M-802.11n 5755MHz



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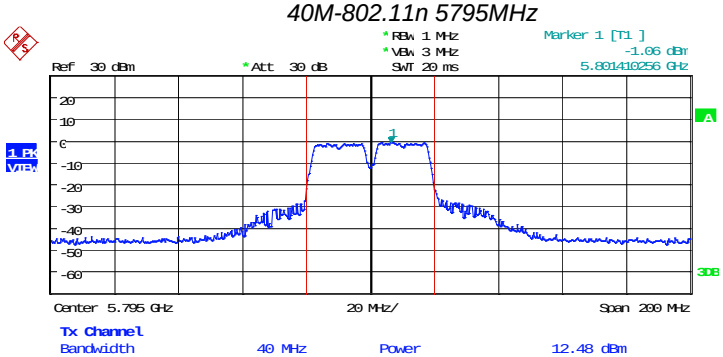
40M-802.11n 5795MHz



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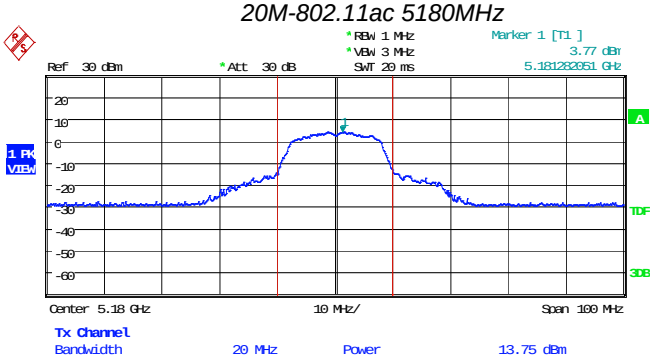
20M-802.11ac 5180MHz



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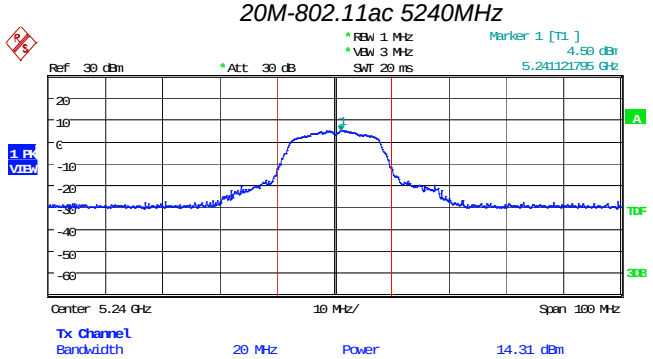
20M-802.11ac 5240MHz



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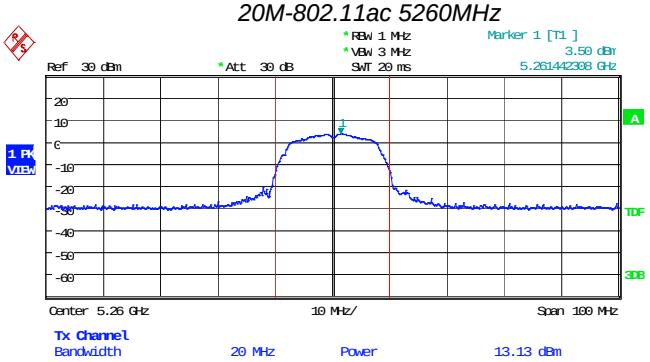
20M-802.11ac 5260MHz



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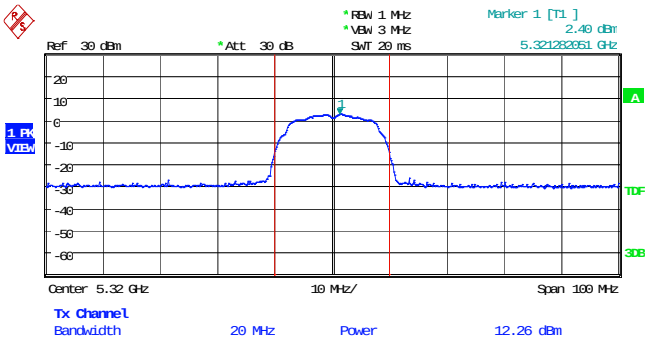
20M-802.11ac 5320MHz



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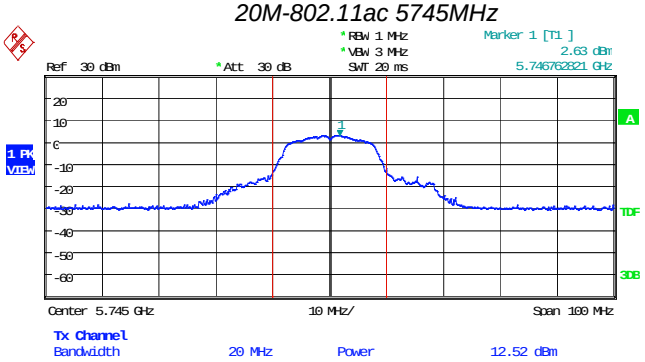
20M-802.11ac 5745MHz



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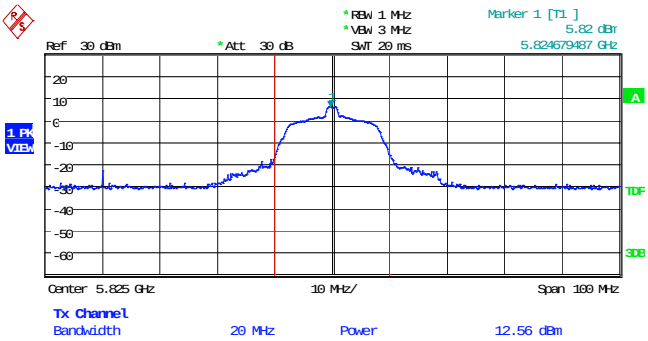
20M-802.11ac 5825MHz



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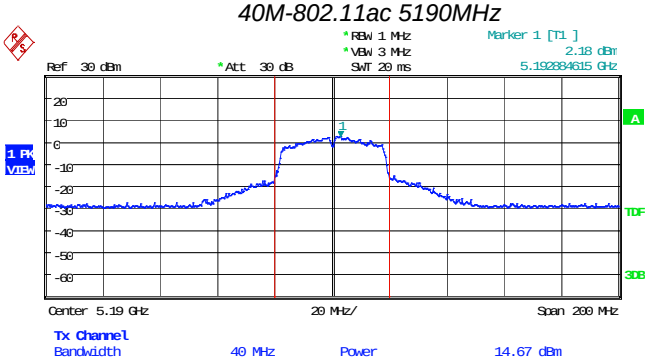
40M-802.11ac 5190MHz



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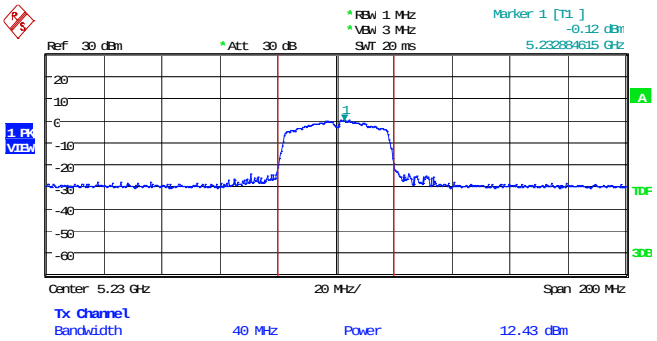
40M-802.11ac 5230MHz



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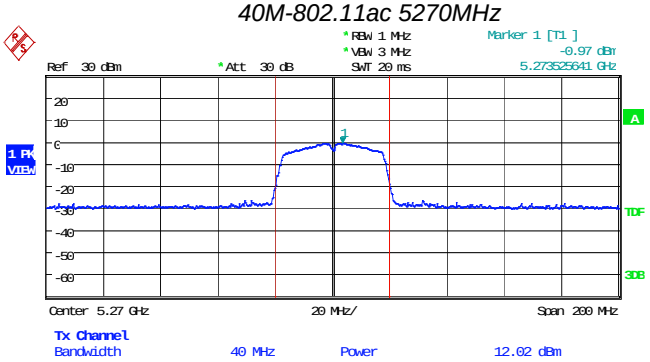
40M-802.11ac 5270MHz



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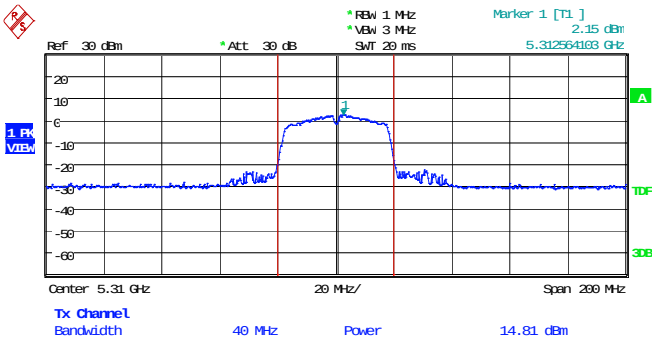
40M-802.11ac 5310MHz



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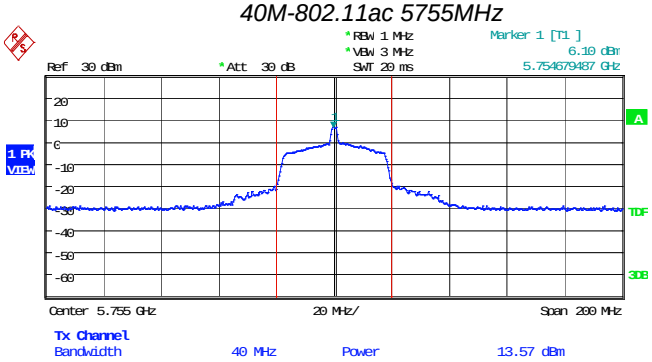
40M-802.11ac 5755MHz



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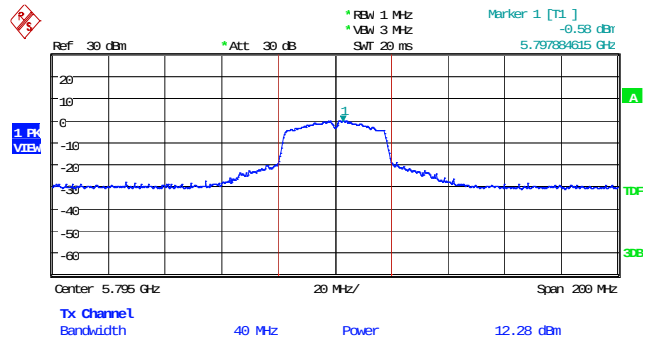
40M-802.11ac 5795MHz



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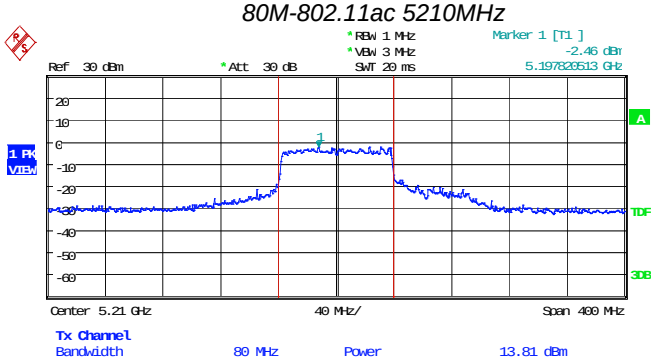
80M-802.11ac 5210MHz



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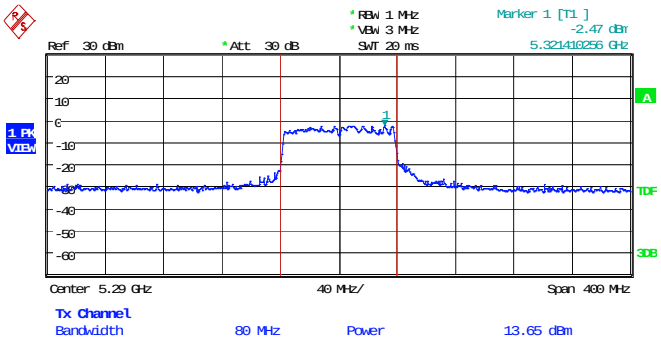
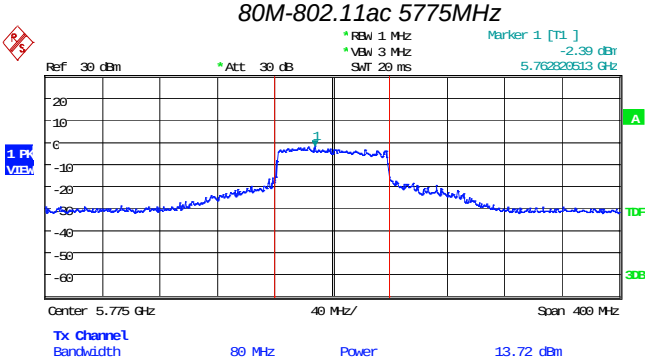
80M-802.11ac 5290MHz



Date: 18.OCT.2016 15:59:30

80M-802.11ac 5775MHz



Date: 18.OCT.2016 16:00:53

D. Peak Power Spectral Density

Product	: EUT-Sample	Test Mode	: See Section 2.2
Test Item	: Peak Power Spectral Density	Temperature	: 25 ℃
Test Voltage	: DC 5V	Humidity	: 56%RH
Test Result	: **PASS**		

IEEE 802.11a
Band1

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5180	3.657	11dBm/MHz	PASS
High	5240	2.715		PASS

Band2

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5260	2.720	11dBm/MHz	PASS
High	5320	5.140		PASS

Band4

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5745	1.164	30dBm/500 kHz (26.99dBm/MHz)	PASS
High	5825	0.965		PASS

IEEE 802.11n 5G 20MHz
Band1

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5180	2.976	11dBm/MHz	PASS
High	5240	2.049		PASS

Band2

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5260	2.310	11dBm/MHz	PASS
High	5320	2.175		PASS

Band4

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5745	1.104	30dBm/500 kHz (26.99dBm/MHz)	PASS
High	5825	0.996		PASS

IEEE 802.11n 5G 40MHz
Band1

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5190	0.508	11dBm/MHz	PASS
High	5230	-0.938		PASS

Band2

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5270	-0.808	11dBm/MHz	PASS
High	5310	-2.798		PASS

Band4

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5755	-1.709	30dBm/500 kHz (26.99dBm/MHz)	PASS
High	5795	-0.866		PASS

IEEE 802.11ac 5G 20MHz

Band1

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5180	2.55	11dBm/MHz	PASS
High	5240	2.89		PASS

Band2

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5260	2.12	11dBm/MHz	PASS
High	5320	2.34		PASS

Band4

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5745	2.81	30dBm/500 kHz (26.99dBm/MHz)	PASS
High	5825	3.57		PASS

IEEE 802.11ac 5G 40MHz

Band1

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5190	-2.79	11dBm/MHz	PASS
High	5230	-3.04		PASS

Band2

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5270	-3.26	11dBm/MHz	PASS
High	5310	-2.68		PASS

Band4

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5755	-2.45	30dBm/500 kHz (26.99dBm/MHz)	PASS
High	5795	-2.31		PASS

IEEE 802.11ac 5G 80MHz

Band1

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5210	-5.58	11dBm/MHz	PASS

Band2

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5290	-5.79	11dBm/MHz	PASS

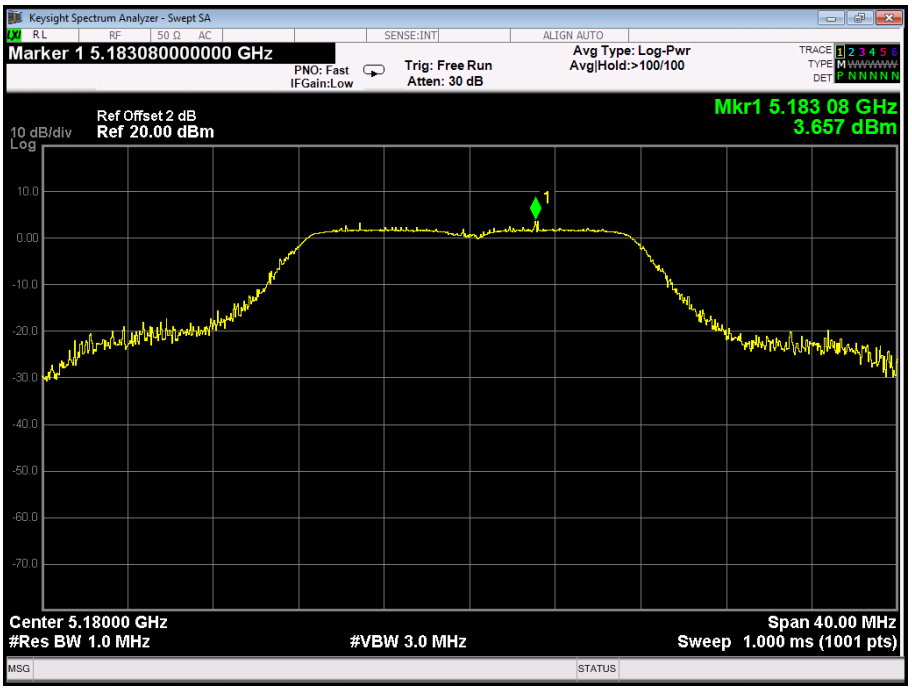
Band4

Channel	Frequency (MHz)	PPSD (dBm)	FCC Limit (kHz)	Result
Low	5775	-4.57	30dBm/500 kHz (26.99dBm/MHz)	PASS

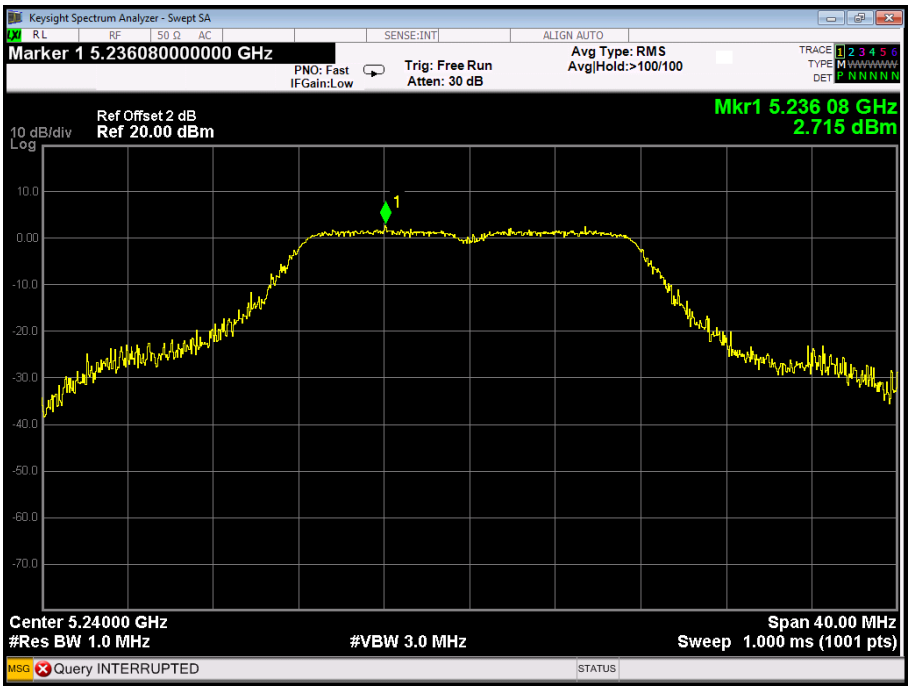
Note: For 5.725~5.85GHz (Band4): Power Density (dBm/500kHz)= Power Density (dBm/MHz)- 10log(500kHz/RBW) (dB)

IEEE 802.11a Band1

PPSD (CH Low)

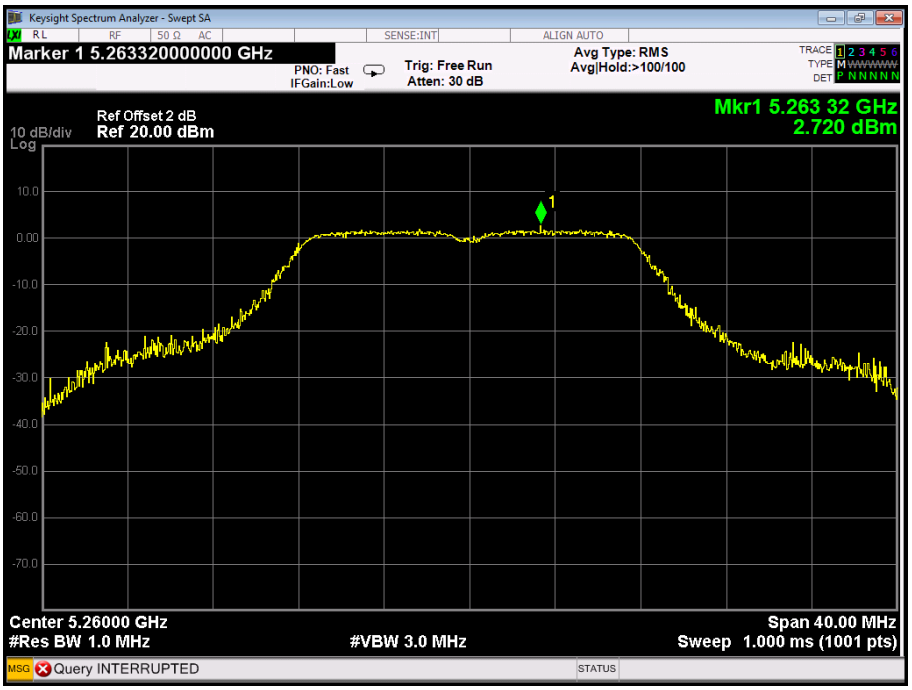


PPSD (CH High)

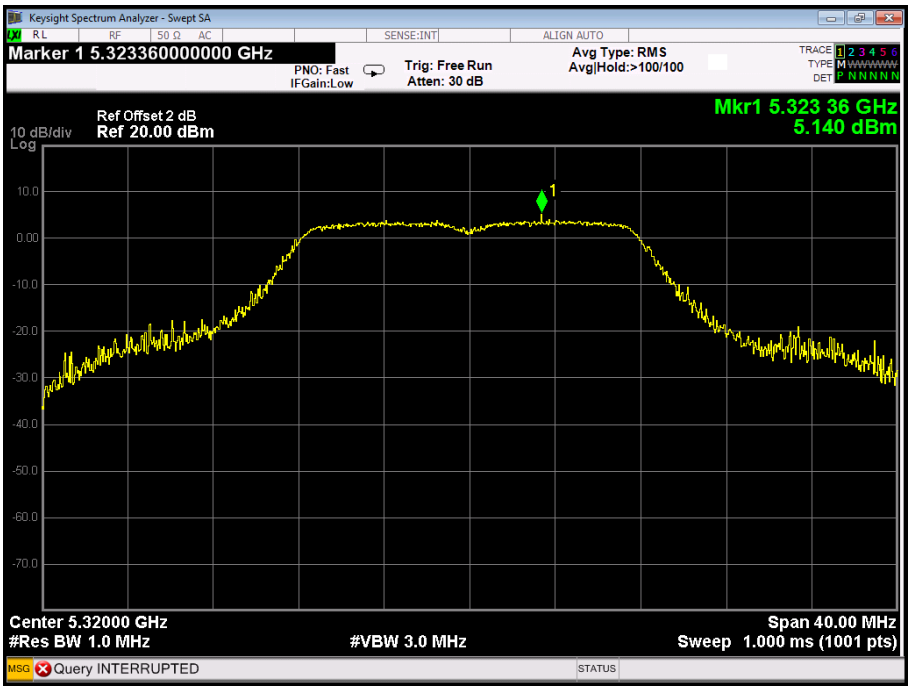


IEEE 802.11a Band2

PPSD (CH Low)

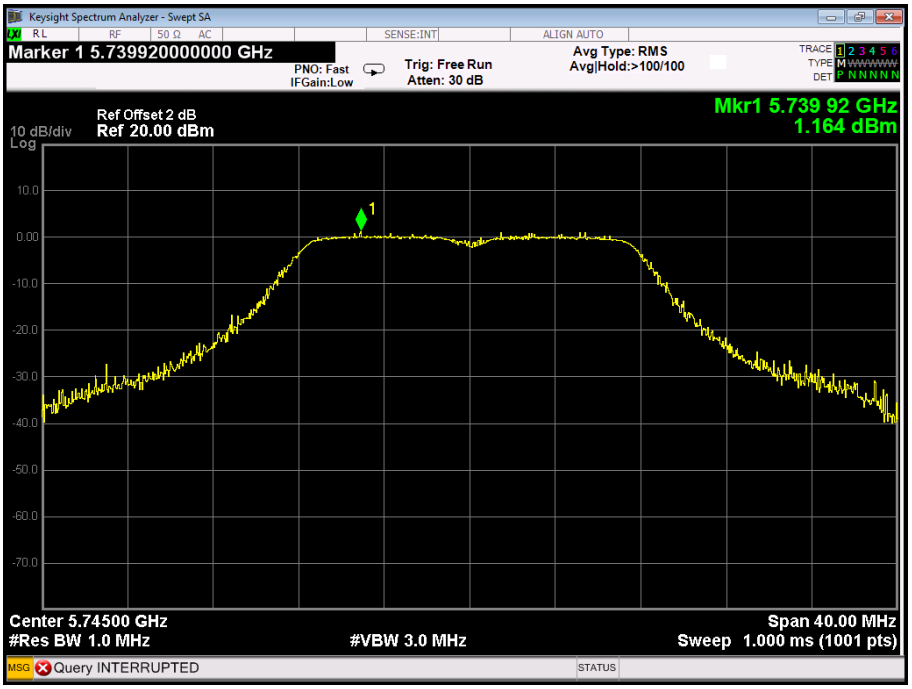


PPSD (CH High)

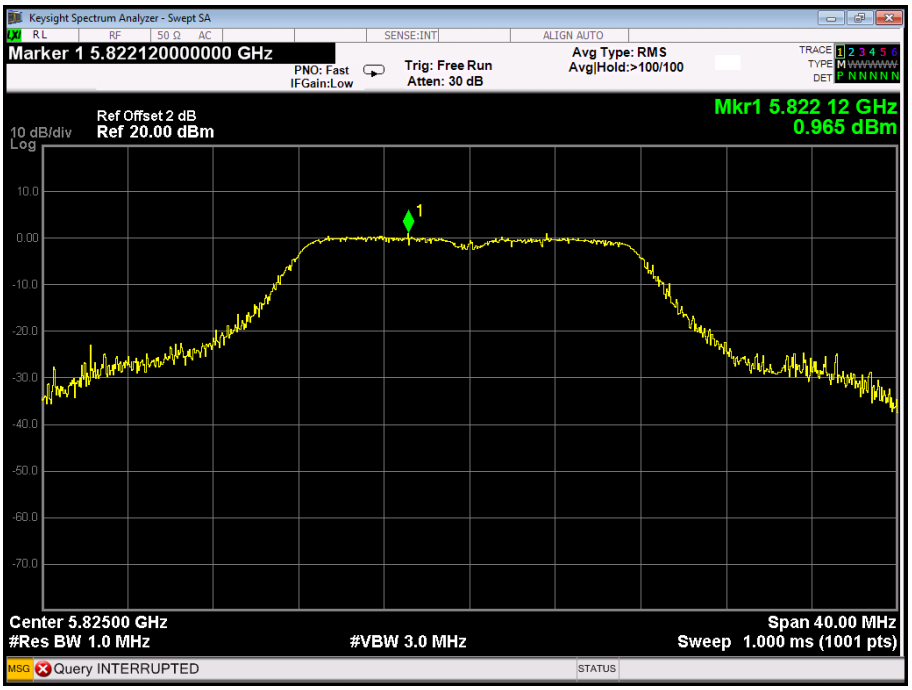


IEEE 802.11a Band4

PPSD (CH Low)

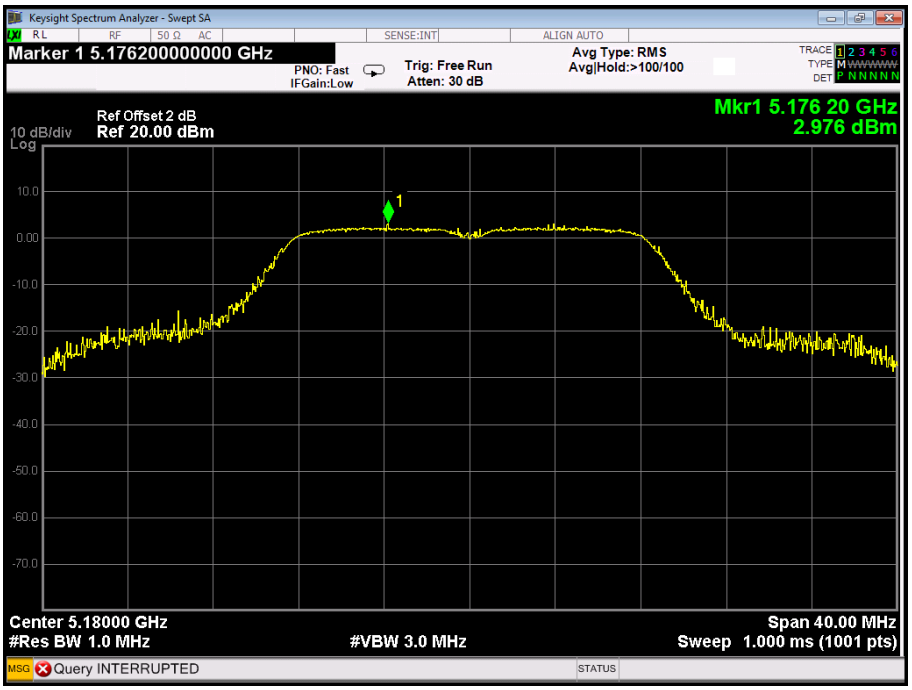


PPSD (CH High)

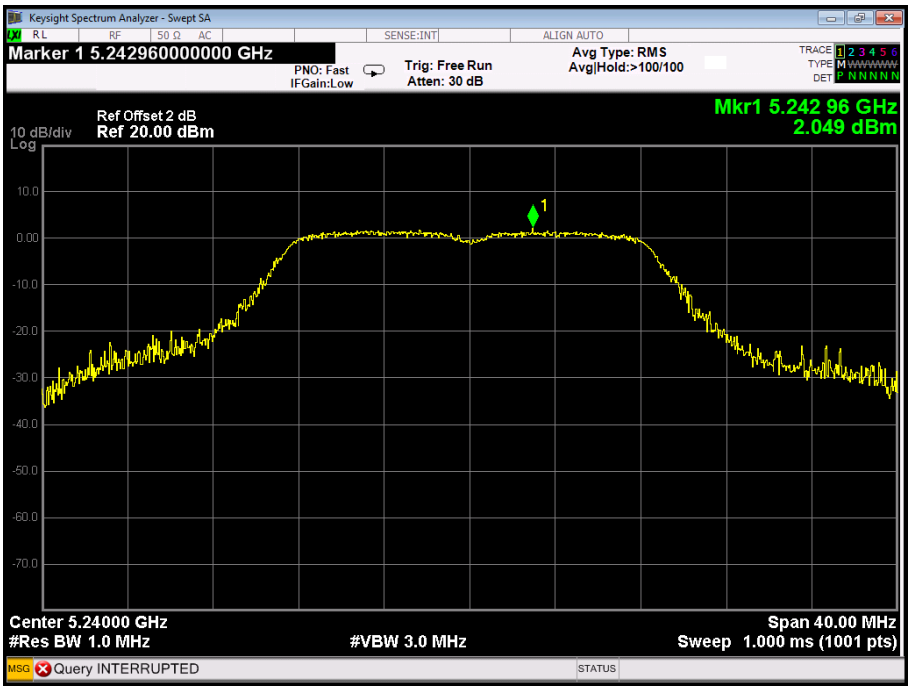


IEEE 802.11n 5G 20MHz Band1

PPSD (CH Low)

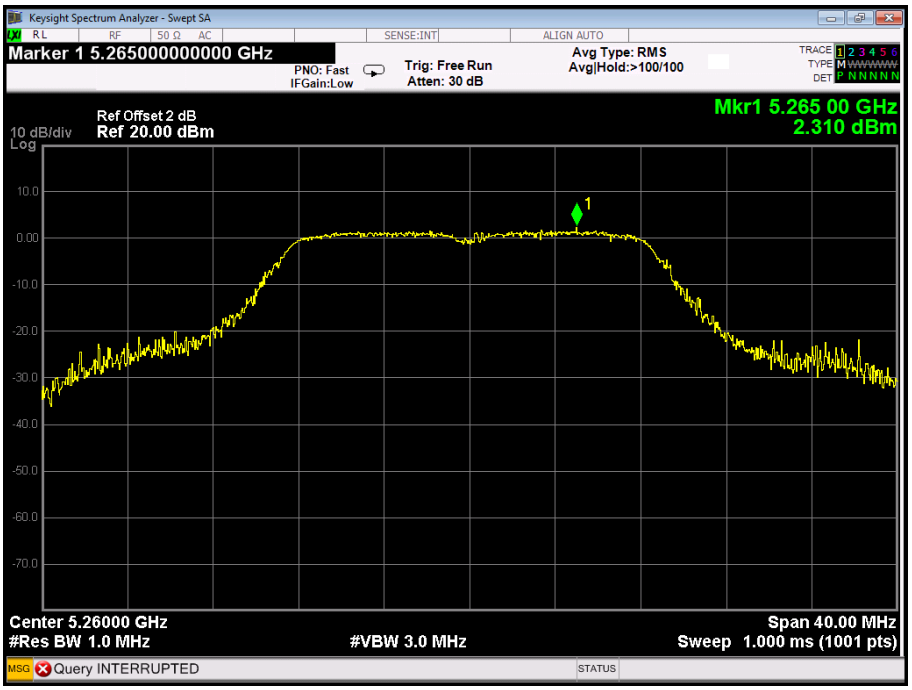


PPSD (CH High)

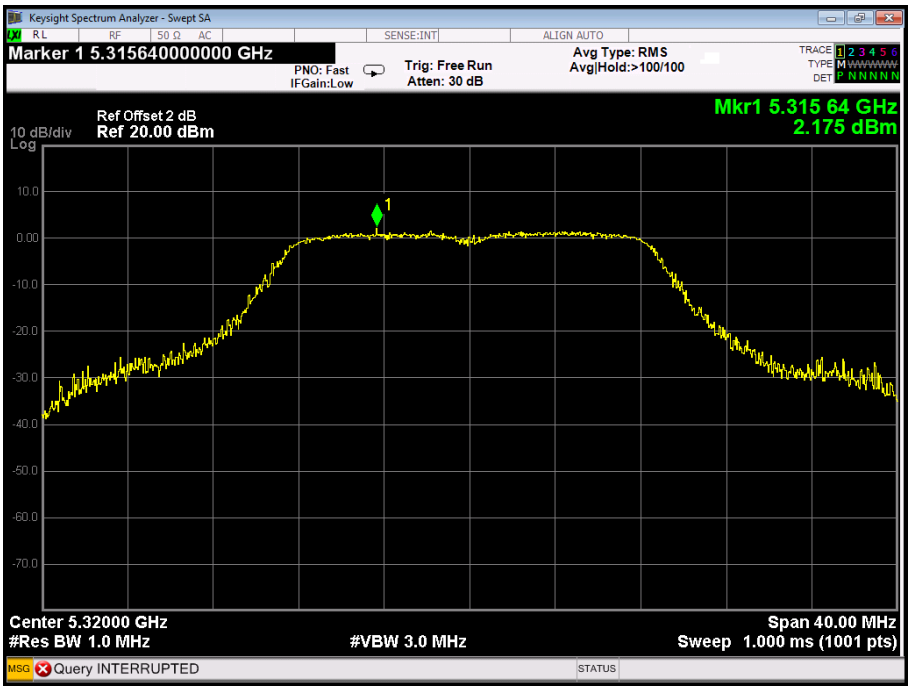


IEEE 802.11n 5G 20MHz Band2

PPSD (CH Low)

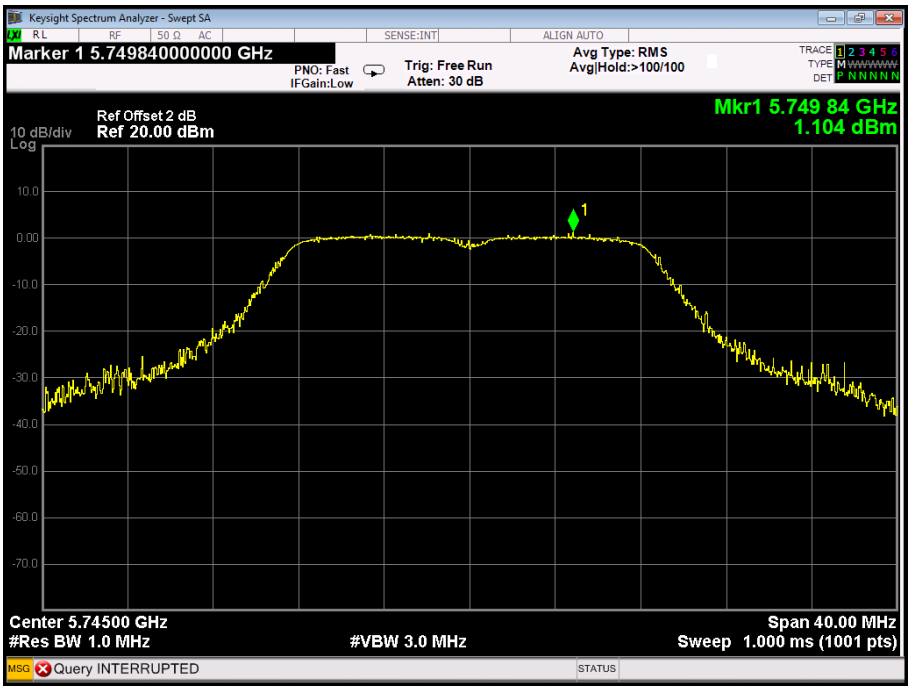


PPSD (CH High)

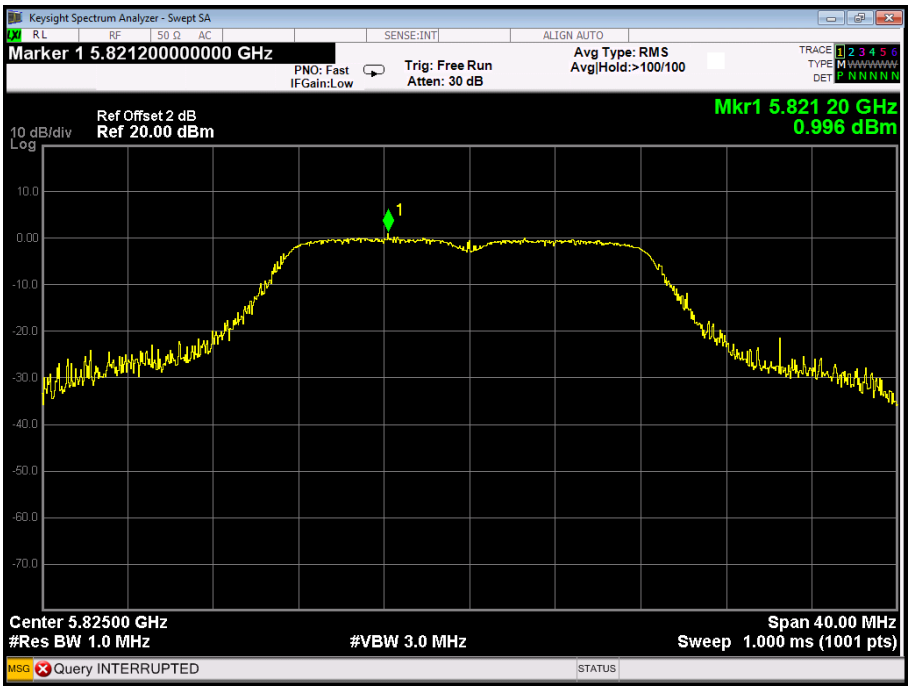


IEEE 802.11n 5G 20MHz Band4

PPSD (CH Low)

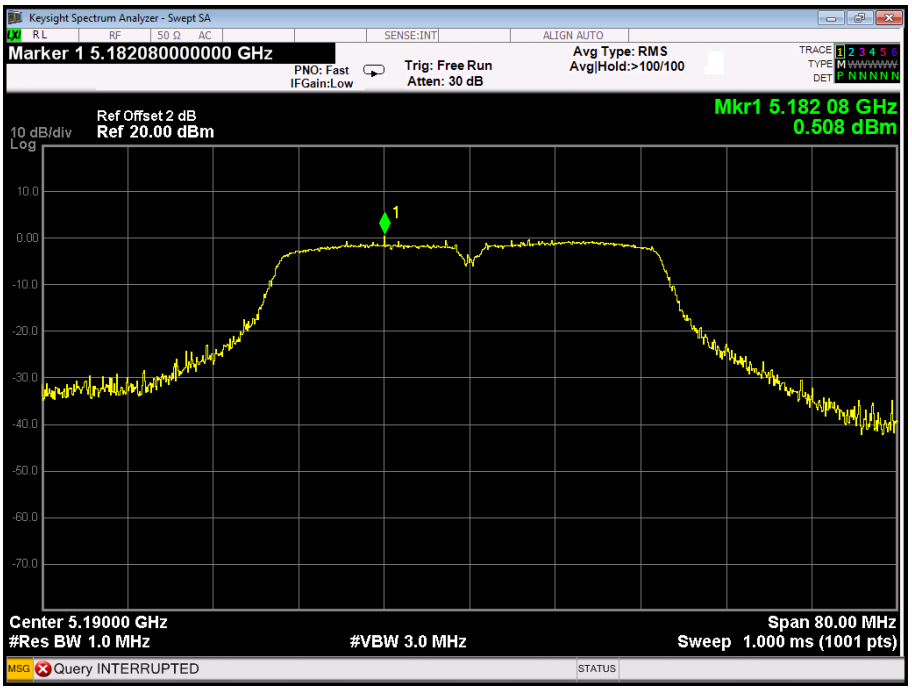


PPSD (CH High)

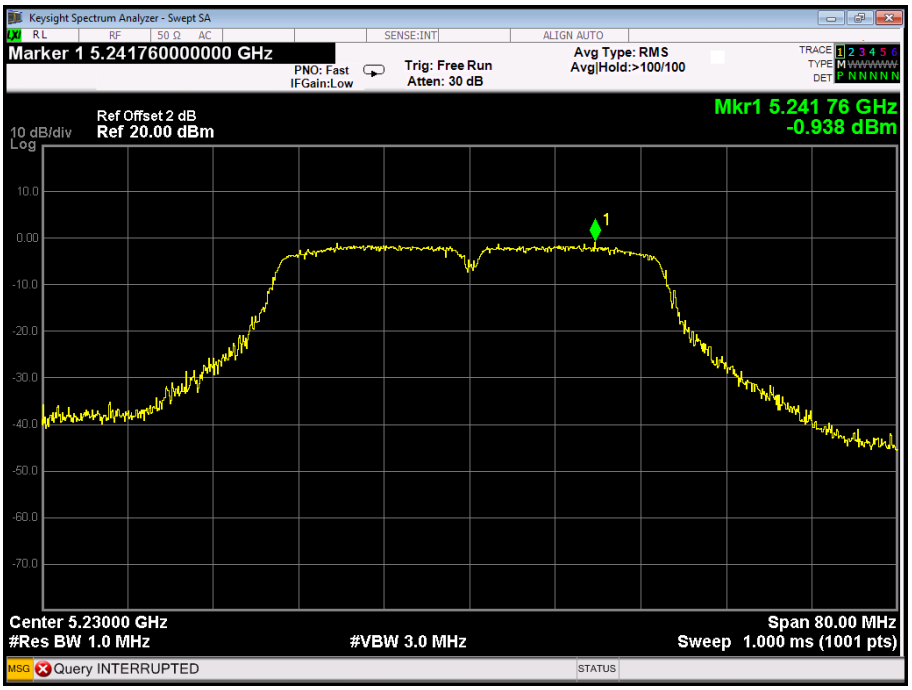


IEEE 802.11n 5G 40MHz Band1

PPSD (CH Low)

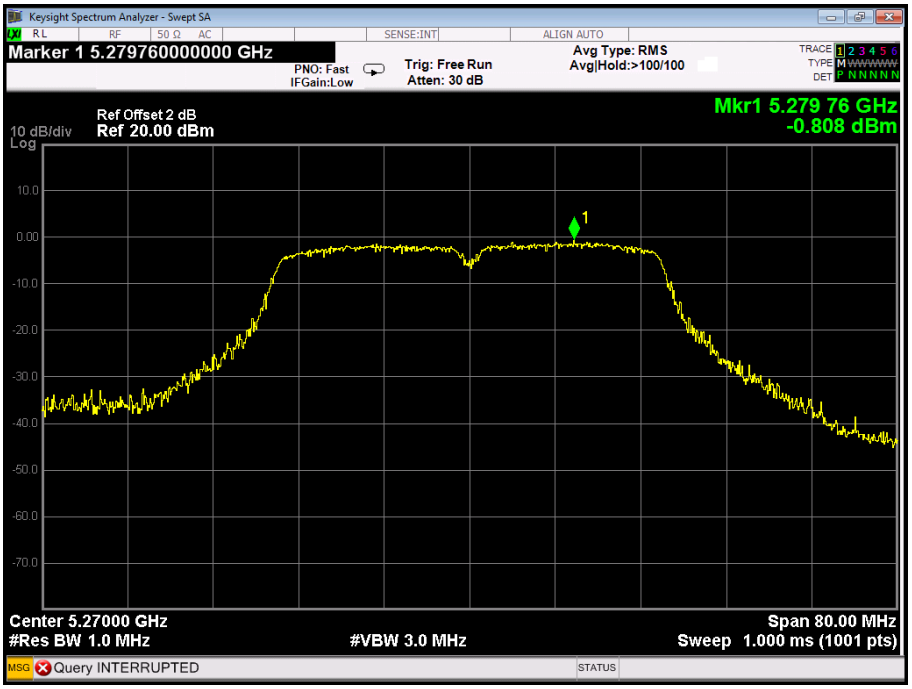


PPSD (CH High)

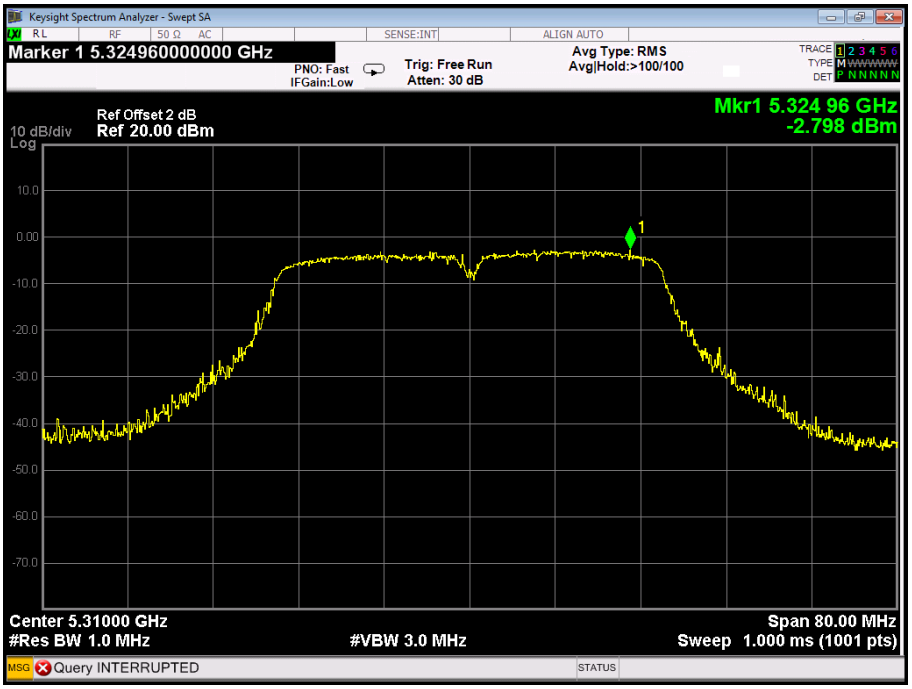


IEEE 802.11n 5G 40MHz Band2

PPSD (CH Low)

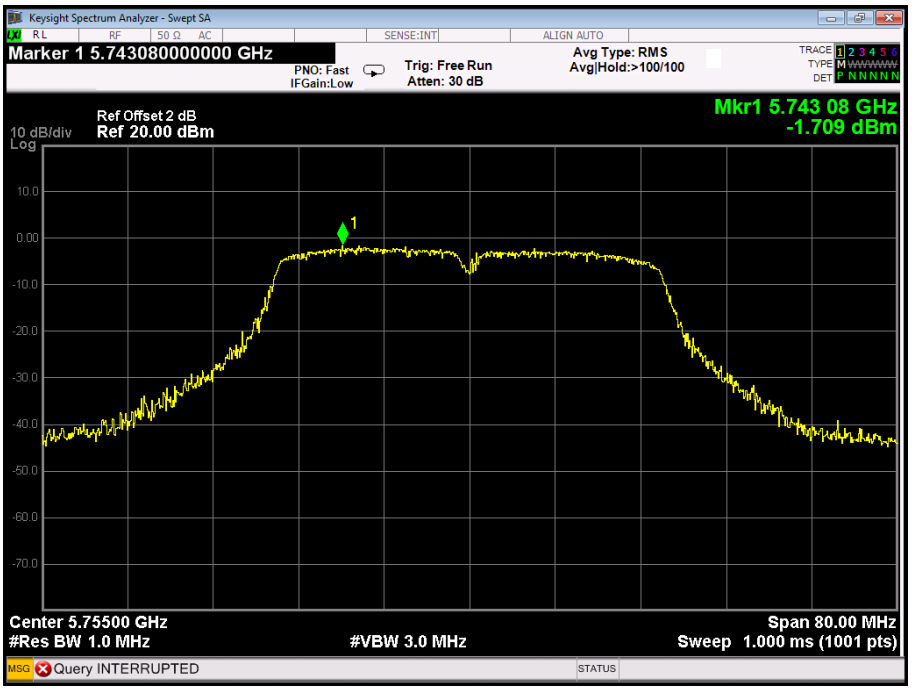


PPSD (CH High)

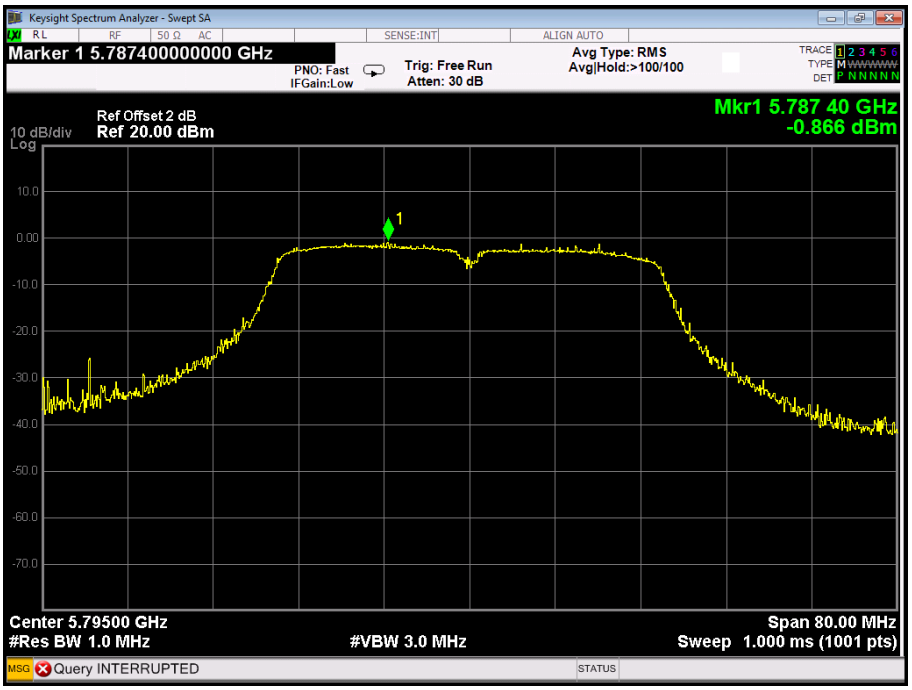


IEEE 802.11n 5G 40MHz Band4

PPSD (CH Low)

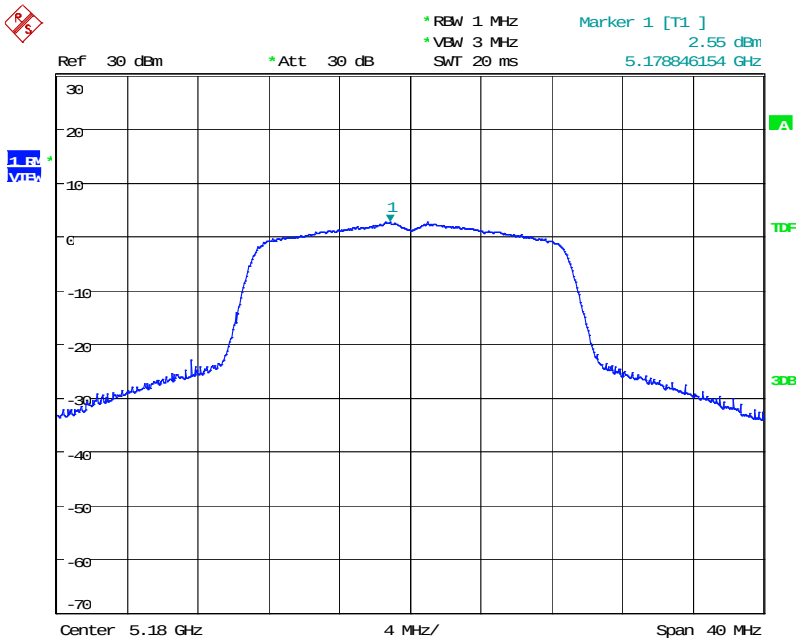


PPSD (CH High)



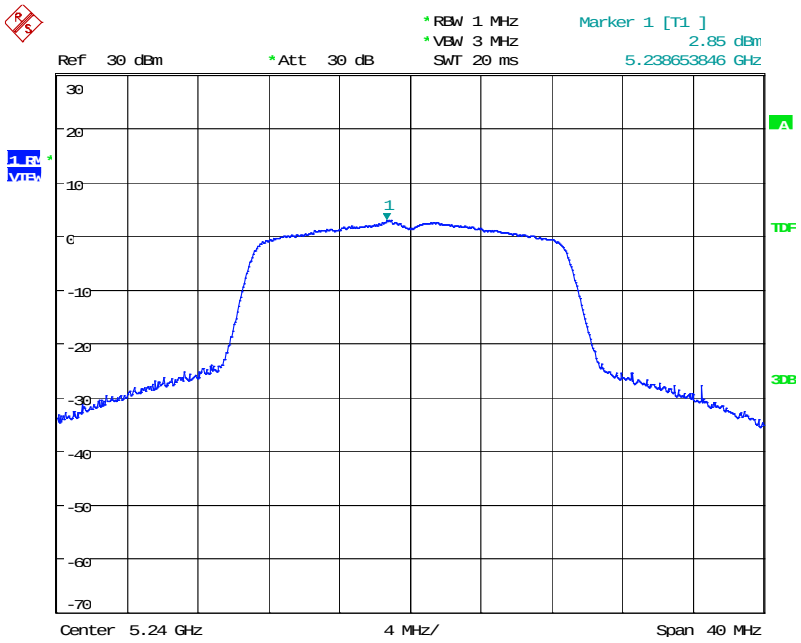
IEEE 802.11ac 5G 20MHz Band1

PPSD (CH Low)



Date: 19.OCT.2016 10:27:32

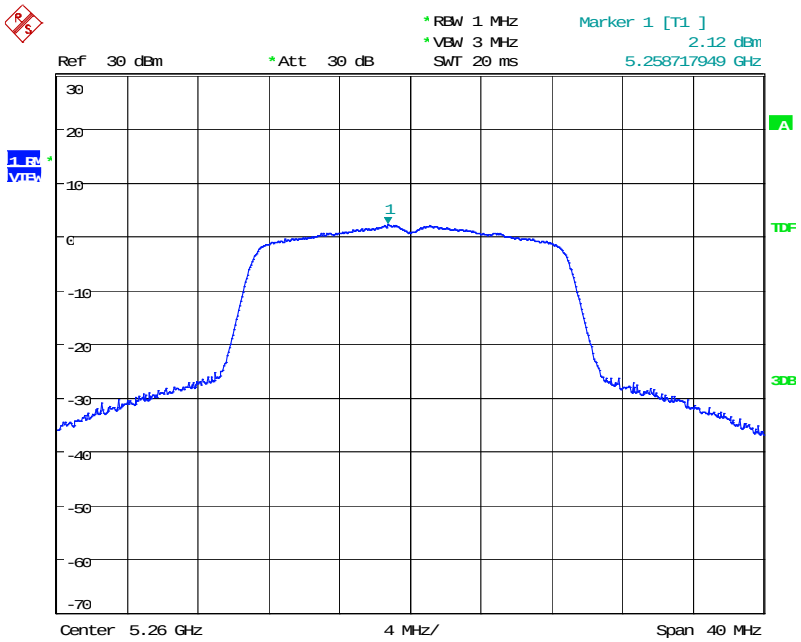
PPSD (CH High)



Date: 19.OCT.2016 10:29:20

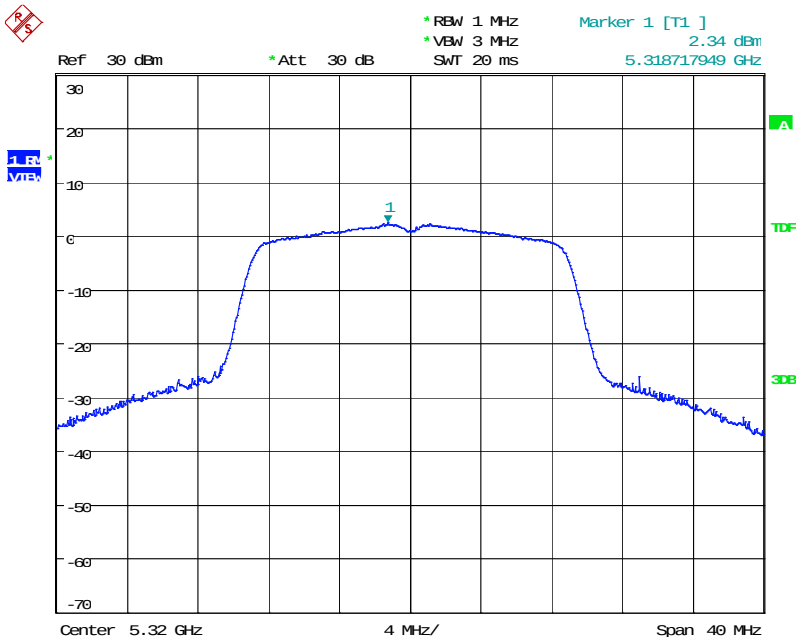
IEEE 802.11ac 5G 20MHz Band2

PPSD (CH Low)



Date: 19.OCT.2016 10:30:18

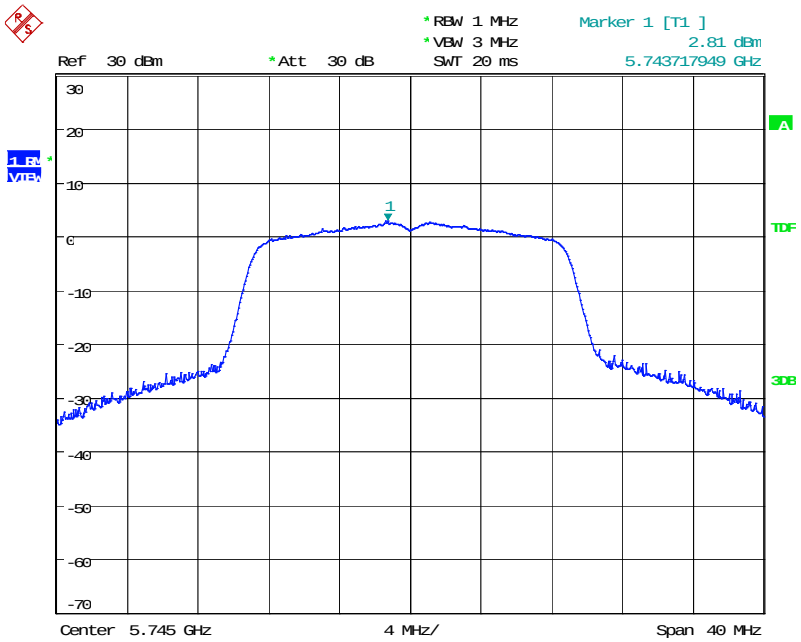
PPSD (CH High)



Date: 19.OCT.2016 10:31:23

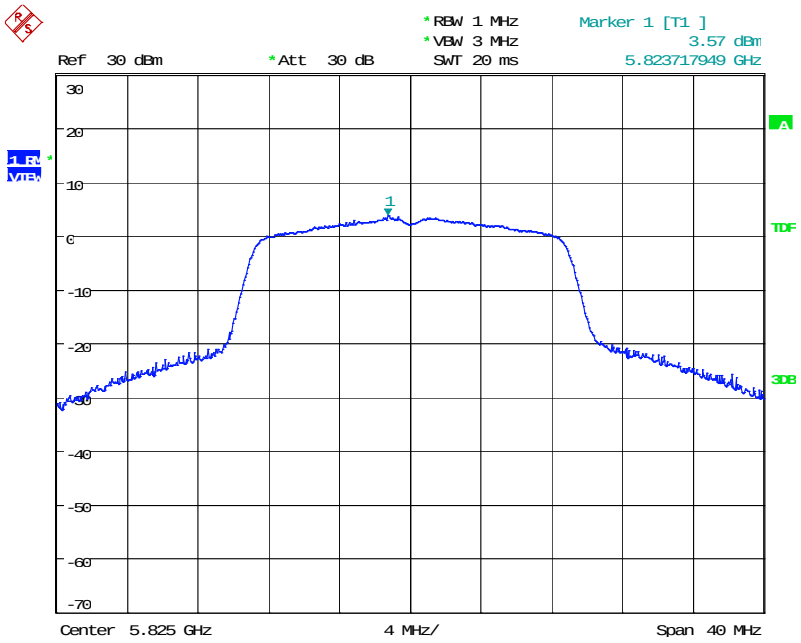
IEEE 802.11ac 5G 20MHz Band4

PPSD (CH Low)



Date: 19.OCT.2016 10:32:16

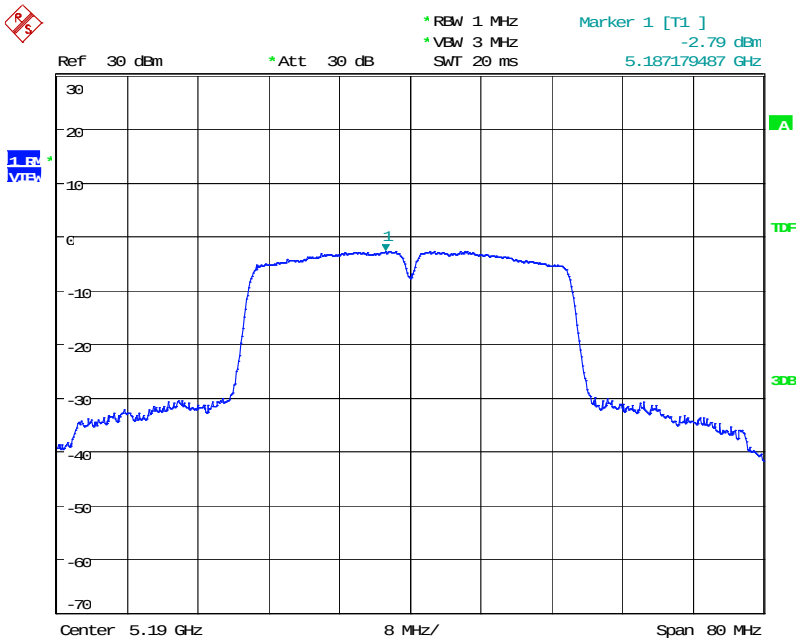
PPSD (CH High)



Date: 19.OCT.2016 10:33:02

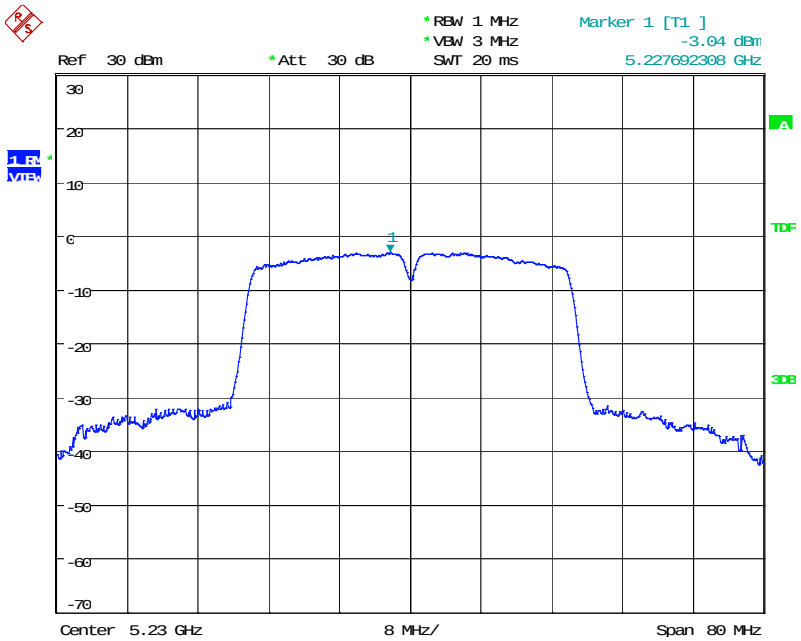
IEEE 802.11ac 5G 40MHz Band1

PPSD (CH Low)



Date: 19.OCT.2016 10:34:29

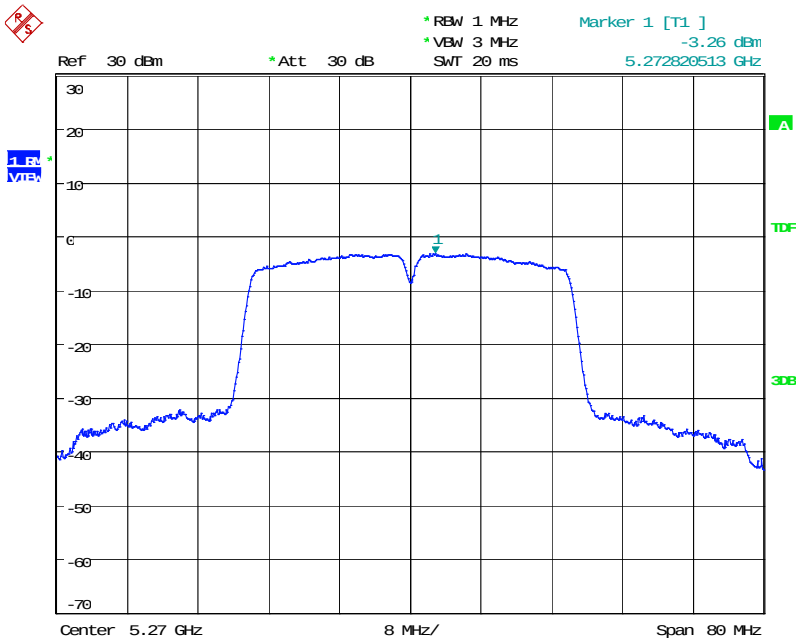
PPSD (CH High)



Date: 19.OCT.2016 10:35:23

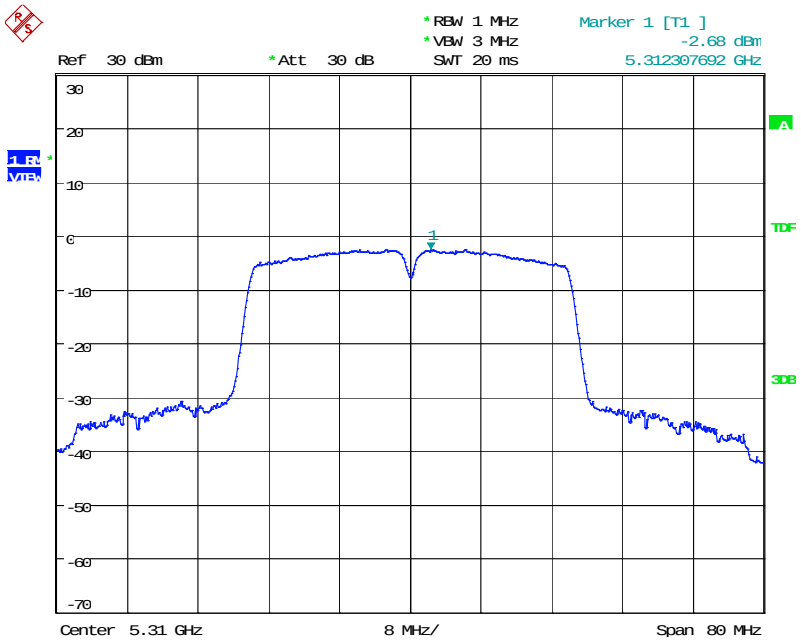
IEEE 802.11ac 5G 40MHz Band2

PPSD (CH Low)



Date: 19.OCT.2016 10:37:34

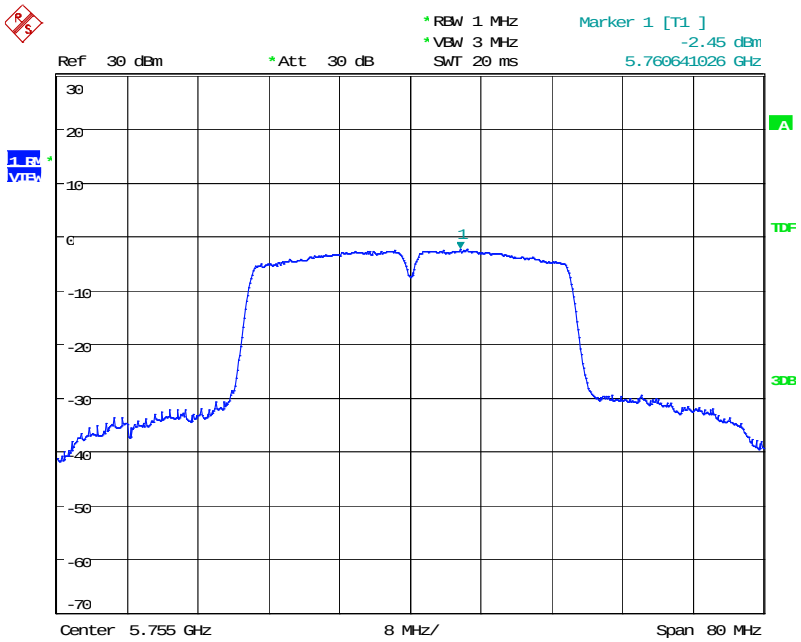
PPSD (CH High)



Date: 19.OCT.2016 10:38:11

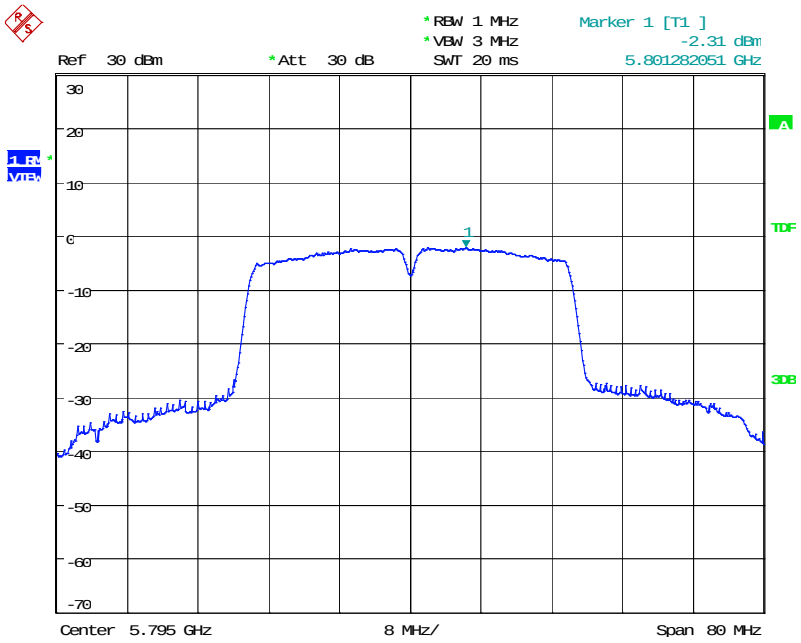
IEEE 802.11ac 5G 40MHz Band4

PPSD (CH Low)



Date: 19.OCT.2016 10:38:50

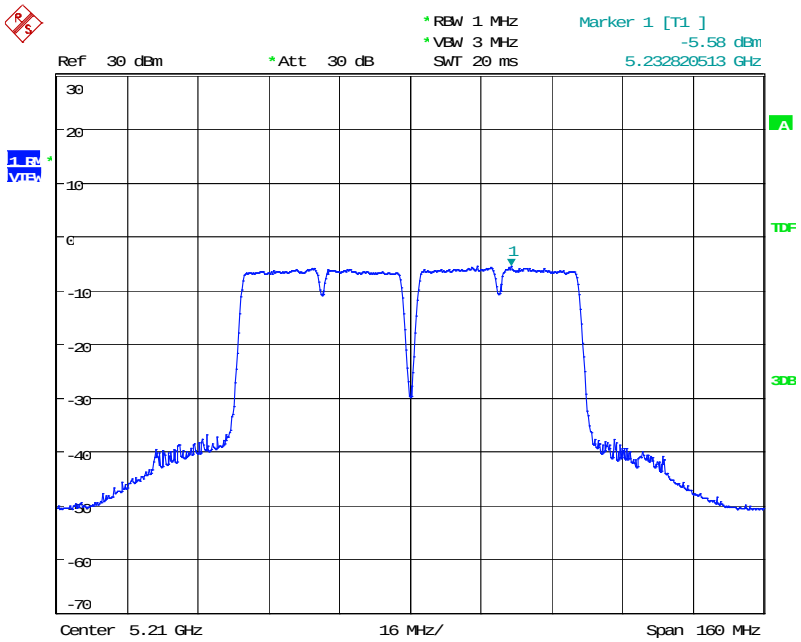
PPSD (CH High)



Date: 19.OCT.2016 10:39:27

IEEE 802.11ac 5G 80MHz Band1

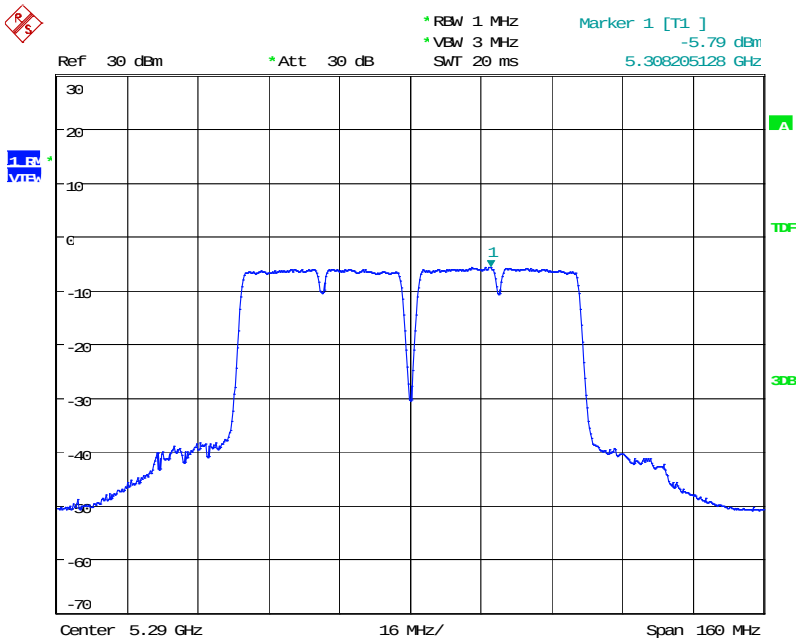
PPSD (CH Low)



Date: 19.OCT.2016 10:24:38

IEEE 802.11ac 5G 80MHz Band2

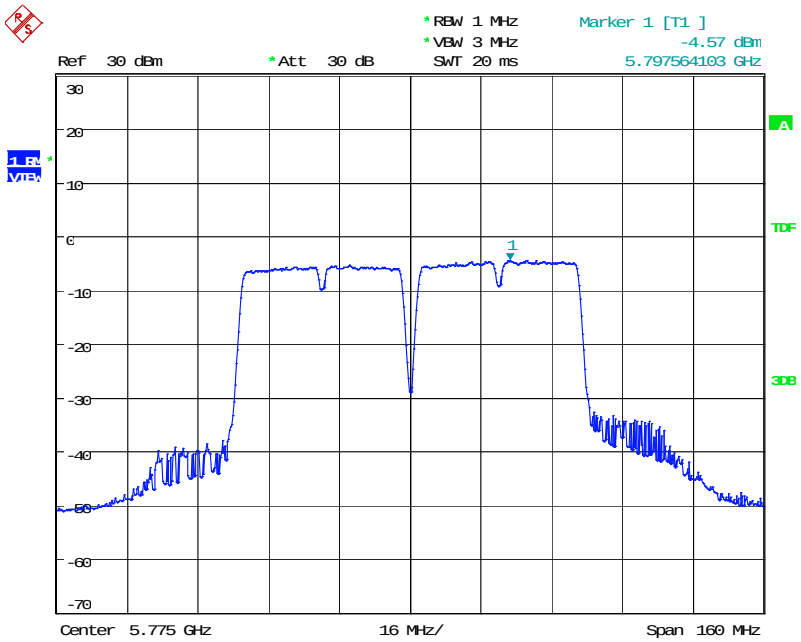
PPSD (CH Low)



Date: 19.OCT.2016 10:22:29

IEEE 802.11ac 5G 80MHz Band4

PPSD (CH Low)



Date: 19.OCT.2016 10:23:56

E. Frequency Stability

Product:	Mobile phone	Test Mode:	Mode: IEEE 802.11a
Test Item:	Frequency Stability	Temperature:	25 ℃
Test Voltage:	DC 5V	Humidity:	56%RH
Test Result:	**PASS**		

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)					
(V)	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz
126.50	5179.9488	5239.9206	5259.9366	5319.9224	5744.9168	5824.9134
110.00	5179.9488	5239.9206	5259.9366	5319.9224	5744.9168	5824.9134
93.50	5179.9488	5239.9206	5259.9364	5319.9224	5744.9168	5824.9134
Max. Deviation (MHz)	0.0512	0.0794	0.0636	0.0776	0.0832	0.0866
Max. Deviation (ppm)	9.88	15.15	12.09	14.59	14.48	14.87

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)					
(℃)	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz
0	5179.9494	5239.9202	5259.9366	5319.9224	5744.9156	5824.9132
10	5179.9494	5239.9202	5259.9366	5319.9224	5744.9156	5824.9132
20	5179.9494	5239.9202	5259.9364	5319.9226	5744.9156	5824.9132
30	5179.9494	5239.9202	5259.9364	5319.9224	5744.9156	5824.9132
40	5179.9494	5239.9202	5259.9362	5319.9226	5744.9156	5824.9132
Max. Deviation (MHz)	0.0506	0.0792	0.0638	0.0776	0.0844	0.0868
Max. Deviation (ppm)	9.77	15.11	12.13	14.59	15.42	14.90

Product:	Mobile phone	Test Mode:	Mode: IEEE 802.11n 20MHz
Test Item:	Frequency Stability	Temperature:	25 ℃
Test Voltage:	DC 5V	Humidity:	56%RH
Test Result:	**PASS**		

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)					
(V)	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz
126.50	5179.9522	5239.9224	5259.9312	5319.9320	5744.9214	5824.9256
110.00	5179.9522	5239.9218	5259.9316	5319.9318	5744.9212	5824.9254
93.50	5179.9520	5239.9222	5259.9312	5319.9322	5744.9212	5824.9256
Max. Deviation (MHz)	0.0480	0.0782	0.0688	0.0682	0.0788	0.0746
Max. Deviation (ppm)	9.26	14.92	13.08	12.82	13.72	12.81

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)					
(℃)	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz
0	5179.9522	5239.9224	5259.9312	5319.9320	5744.9214	5824.9256
10	5179.9522	5239.9218	5259.9316	5319.9318	5744.9212	5824.9254
20	5179.9520	5239.9222	5259.9312	5319.9320	5744.9212	5824.9256
30	5179.9522	5239.9222	5259.9312	5319.9320	5744.9214	5824.9252
40	5179.9518	5239.9218	5259.9310	5319.9318	5744.9214	5824.9254
Max. Deviation (MHz)	0.0482	0.0782	0.0690	0.0682	0.0788	0.0748
Max. Deviation (ppm)	9.31	14.92	13.12	12.82	13.72	12.84

Product:	Mobile phone	Test Mode:	Mode: IEEE 802.11n 40MHz
Test Item:	Frequency Stability	Temperature:	25 ℃
Test Voltage:	DC 5V	Humidity:	56%RH
Test Result:	**PASS**		

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)					
(V)	5190 MHz	5230 MHz	5270 MHz	5310 MHz	5755 MHz	5795 MHz
126.50	5189.9348	5229.9214	5269.9116	5309.9222	5744.9162	5794.9124
110.00	5189.9348	5229.9214	5269.9118	5309.9224	5744.9162	5794.9124
93.50	5189.9348	5229.9214	5269.9116	5309.9224	5744.9162	5794.9124
Max. Deviation (MHz)	0.0652	0.0786	0.0884	0.0778	0.0838	0.0876
Max. Deviation (ppm)	12.56	15.03	16.77	14.65	14.56	15.12

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)					
(℃)	5190 MHz	5230 MHz	5270 MHz	5310 MHz	5755 MHz	5795 MHz
0	5189.9344	5229.9210	5269.9116	5309.9222	5754.9162	5794.9128
10	5189.9344	5229.9210	5269.9118	5309.9224	5754.9162	5794.9128
20	5189.9344	5229.9210	5269.9116	5309.9224	5754.9162	5794.9128
30	5189.9344	5229.9210	5269.9120	5309.9222	5754.9162	5794.9128
40	5189.9344	5229.9210	5269.9116	5309.9220	5754.9162	5794.9128
Max. Deviation (MHz)	0.0656	0.0790	0.0884	0.780	0.0838	0.0872
Max. Deviation (ppm)	12.64	15.11	16.77	14.69	14.56	15.05

Product:	Mobile phone	Test Mode:	Mode: IEEE 802.11ac 20MHz
Test Item:	Frequency Stability	Temperature:	25 ℃
Test Voltage:	DC 5V	Humidity:	56%RH
Test Result:	**PASS**		

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)					
(V)	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz
126.50	5179.9556	5239.9236	5259.9324	5319.9326	5744.9228	5824.9244
110.00	5179.9556	5239.9236	5259.9324	5319.9326	5744.9228	5824.9242
93.50	5179.9554	5239.9234	5259.9324	5319.9324	5744.9230	5824.9242
Max. Deviation (MHz)	0.0446	0.0766	0.0676	0.0676	0.0770	0.0758
Max. Deviation (ppm)	8.61	14.62	12.85	12.71	13.40	13.01

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)					
(℃)	5180 MHz	5240 MHz	5260 MHz	5320 MHz	5745 MHz	5825 MHz
0	5179.9536	5239.9248	5259.9334	5319.9328	5744.9224	5824.9234
10	5179.9536	5239.9244	5259.9334	5319.9328	5744.9224	5824.9234
20	5179.9535	5239.9246	5259.9338	5319.9330	5744.9224	5824.9236
30	5179.9534	5239.9246	5259.9336	5319.9330	5744.9222	5824.9236
40	5179.9534	5239.9244	5259.9336	5319.9330	5744.9222	5824.9234
Max. Deviation (MHz)	0.0466	0.0756	0.0662	0.0670	0.0776	0.0766
Max. Deviation (ppm)	9.00	14.43	12.59	12.59	13.51	13.15

Product:	Mobile phone	Test Mode:	Mode: IEEE 802.11ac 40MHz
Test Item:	Frequency Stability	Temperature:	25 ℃
Test Voltage:	DC 5V	Humidity:	56%RH
Test Result:	**PASS**		

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)					
(V)	5190 MHz	5230 MHz	5270 MHz	5310 MHz	5755 MHz	5795 MHz
126.50	5189.9322	5229.9206	5269.9102	5309.9258	5744.9154	5794.9166
110.00	5189.9322	5229.9206	5269.9104	5309.9256	5744.9154	5794.9166
93.50	5189.9322	5229.9206	5269.9102	5309.9254	5744.9152	5794.9162
Max. Deviation (MHz)	0.0678	0.0794	0.0898	0.0746	0.0848	0.0838
Max. Deviation (ppm)	13.06	15.18	17.04	14.05	14.74	14.46

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)					
(℃)	5190 MHz	5230 MHz	5270 MHz	5310 MHz	5755 MHz	5795 MHz
0	5189.9314	5229.9222	5269.9136	5309.9254	5754.9188	5794.9146
10	5189.9314	5229.9224	5269.9138	5309.9252	5754.9188	5794.9144
20	5189.9316	5229.9224	5269.9134	5309.9252	5754.9186	5794.9146
30	5189.9316	5229.9224	5269.9134	5309.9254	5754.9184	5794.9142
40	5189.9314	5229.9224	5269.9134	5309.9252	5754.9184	5794.9142
Max. Deviation (MHz)	0.0686	0.0776	0.0866	0.0748	0.0816	0.0858
Max. Deviation (ppm)	13.22	14.84	16.43	14.09	14.18	14.81

Product:	Mobile phone	Test Mode:	Mode: IEEE 802.11ac 80MHz
Test Item:	Frequency Stability	Temperature:	25 ℃
Test Voltage:	DC 5V	Humidity:	56%RH
Test Result:	**PASS**		

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)					
(V)	5210 MHz	5290 MHz	5775 MHz			
126.50	5209.9226	5289.9310	5774.9202			
110.00	5209.9222	5289.9308	5774.9204			
93.50	5209.9222	5289.9312	5774.9202			
Max. Deviation (MHz)	0.0778	0.0692	0.0798			
Max. Deviation (ppm)	14.93	13.08	13.82			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)					
(℃)	5210 MHz	5290 MHz	5775 MHz			
0	5209.9314	5289.9244	5774.9166			
10	5209.9314	5289.9244	5774.9166			
20	5209.9312	5289.9246	5774.9164			
30	5209.9312	5289.9242	5774.9164			
40	5209.9312	5289.9242	5774.9164			
Max. Deviation (MHz)	0.0688	0.0758	0.0836			
Max. Deviation (ppm)	13.21	14.33	14.48			