



FCC CERTIFICATION TEST REPORT

Applicant	:	BYD Auto Industry Company Limited
Address of Applicant	:	No.3001, 3007, HengPing Road, Pingshan, Shenzhen, Guangdong, P.R. China
Manufacturer	:	BYD Auto Industry Company Limited
Address of Manufacturer	:	No.3001, 3007, HengPing Road, Pingshan, Shenzhen, Guangdong, P.R. China
Equipment under Test	:	In-vehicle Multimedia Host
Model No.	:	MTCJ06-A03
FCC ID	:	SD4- MTCJ06-A03
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart E, ANSI C63.10:2020, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01
Report No.	:	DDT-RE24122405-5E04
Issue Date	:	2025/03/17
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

Table of Contents

1.	Summary of Test Results	7
2.	General Test Information.....	8
2.1.	Description of EUT	8
2.2.	Accessories of EUT	9
2.3.	Block diagram of EUT configuration for test	10
2.4.	Decision of final test mode	10
2.5.	Deviations of test standard	13
2.6.	Test environment conditions	13
2.7.	Test laboratory	13
2.8.	Measurement uncertainty	14
3.	Equipment Used During Conductive Test	15
4.	26dB Bandwidth	16
4.1.	Block diagram of test setup	16
4.2.	Limits.....	16
4.3.	Test procedure	16
4.4.	Test result	17
4.5.	Test graphs	23
5.	6dB Bandwidth	86
5.1.	Block diagram of test setup	86
5.2.	Limits.....	86
5.3.	Test procedure	86
5.4.	Test result B4	87
5.5.	Test graphs B4	89
6.	99% Bandwidth	103
6.1.	Block diagram of test setup	103
6.2.	Limits.....	103
6.3.	Test procedure	103
6.4.	Test result	104
6.5.	Test graphs	111
7.	Maximum Output Power	174
7.1.	Block diagram of test setup	174
7.2.	Limits.....	174
7.3.	Test procedure	174
7.4.	Test result channel power	175
8.	Power Spectral Density	187
8.1.	Block diagram of test setup	187

8.2.	Limits	187
8.3.	Test procedure	187
8.4.	Test result	189
8.5.	Test graphs	202
9.	Frequency Stability Measurement	350
9.1.	Limit of Frequency Stability	350
9.2.	Measuring Instruments	350
9.3.	Test procedures	350
9.4.	Test setup	350
9.5.	Test result	351
10.	Dynamic Frequency Selection	376
10.1.	Applicability of DFS requirements	376
10.2.	Limit	377
10.3.	Parameters of radar test waveforms	377
10.4.	Calibration of radar waveform	378
10.5.	Channel closing transmission time, channel move time and non-occupancy period	379
10.6.	Test setup	380
10.7.	Test result	381
11.	Antenna Requirements	382
11.1.	Limit	382
11.2.	Result	382
12.	Radiated Emission	383
12.1.	Test equipment	383
12.2.	Block diagram of test setup	384
12.3.	Limits	385
12.4.	Assistant equipment used for test	387
12.5.	Test procedure	387
12.6.	Test result	388
12.7.	Test data	389
13.	Band Edge Compliance	435
13.1.	Test equipment	435
13.2.	Block diagram of test setup	436
13.3.	Limits	436
13.4.	Assistant equipment used for test	436
13.5.	Test procedure	437
13.6.	Test result	437
13.7.	Test data	438
14.	Power Line Conducted Emissions	710

14.1.	Test equipment.....	710
14.2.	Block diagram of test setup.....	710
14.3.	Limits.....	710
14.4.	Assistant equipment used for test	710
14.5.	Test procedure	711
14.6.	Test result	711
15.	Test Setup Photograph	712
16.	Photos of the EUT	714

Test Report Declare

Applicant	:	BYD Auto Industry Company Limited
Address of Applicant	:	No.3001, 3007, HengPing Road, Pingshan, Shenzhen, Guangdong, P.R. China
Equipment under Test	:	In-vehicle Multimedia Host
Model No.	:	MTCJ06-A03
Manufacturer	:	BYD Auto Industry Company Limited
Address of Manufacturer	:	No.3001, 3007, HengPing Road, Pingshan, Shenzhen, Guangdong, P.R. China

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart E,

ANSI C63.10:2020,

789033 D02 General U-NII Test Procedures New Rules v02r01,

662911 D01 Multiple Transmitter Output v02r01

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE24122405-5E04		
Date of Receipt:	2025/01/03	Date of Test:	2025/01/03 - 2025/03/07

Created: Jacky Huang	Reviewed: Ella Gong	Approved: Damon Hu
		
2025/03/17	2025/03/17	2025/03/17

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2025/03/17	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	FCC 15.407 (e)	/	Pass
2	Output Power	FCC 15.407 (a)	/	Pass
3	Power Spectral Density	FCC 15.407 (a)	/	Pass
4	Frequency Stability Measurement	FCC 15.407 (g)	/	Pass
5	Radiated Emission	FCC 15.407 (b)	/	Pass
6	Band Edge Compliance	FCC 15.407 (b)	/	Pass
7	Power Line Conducted Emissions	FCC Part 15: 15.207(a)	/	N/A
8	Antenna Requirement	FCC Part 15: 15.203	/	Pass
9	Dynamic Frequency Selection	FCC 15.407 (h)	/	Pass

Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

2. General Test Information

2.1. Description of EUT

EUT Name	: In-vehicle Multimedia Host
Model Number	: MTCJ06-A03
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 12V
Antenna Type	: External PCB antenna

WLAN (5 GHz) Antenna information			
Antenna Type		External PCB antenna	
Antenna Gain (dBi)	Antenna Frequency range	Ant1	Ant2
	U-NII-1: 5180 MHz to 5240 MHz	1.63	1.63
	U-NII-2A: 5260 MHz to 5320 MHz	1.17	1.17
	U-NII-2C: 5500 MHz to 5720 MHz	1.83	1.83
	U-NII-3: 5745 MHz to 5825 MHz	1.89	1.89
Note: This product does not support beamforming, TPC and MIMO.			

Radio Technology	: IEEE 802.11a/n/ac/ax
Operation frequency	: U-NII-1: 5180 MHz to 5240 MHz U-NII-2A: 5260 MHz to 5320 MHz U-NII-2C: 5500 MHz to 5720 MHz U-NII-3: 5745 MHz to 5825 MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDM, OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)

Channel information					
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HE20)		IEEE 802.11n (HT40) IEEE802.11ac (VHT40) IEEE 802.11ax (HE40)		IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)	
UNII-1					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	/	/
44	5220	/	/	/	/
48	5240	/	/	/	/
UNII-2A					
52	5260	54	5270	58	5290
56	5280	62	5310	/	/
60	5300	/	/	/	/

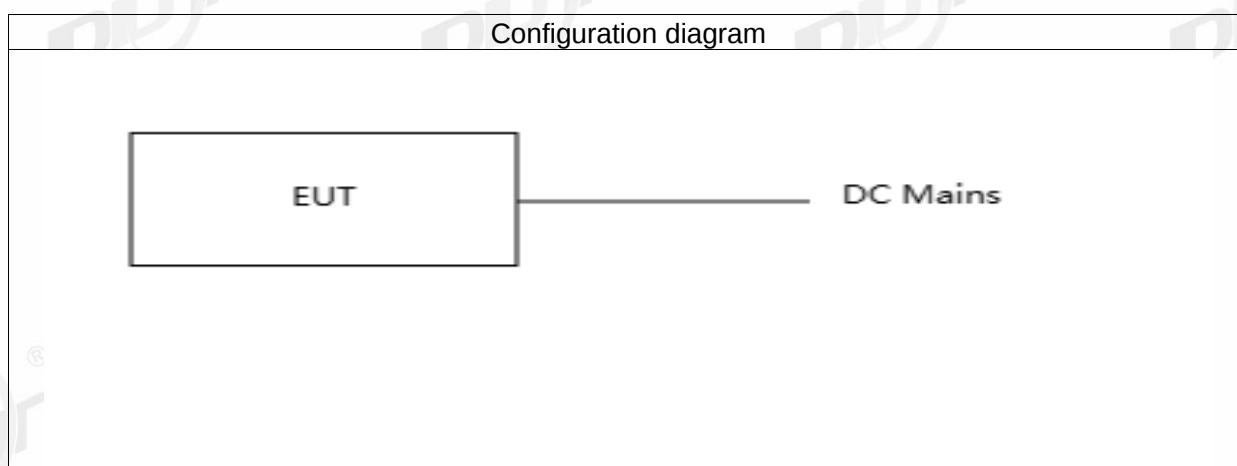
64	5320	/	/	/	/
UNII-2C					
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690 (Straddle)
112	5560	126	5630	/	/
116	5580	134	5670	/	/
120	5600	142	5710 (Straddle)	/	/
124	5620	/	/	/	/
128	5640	/	/	/	/
132	5660	/	/	/	/
136	5680	/	/	/	/
140	5700	/	/	/	/
144	5720 (Straddle)	/	/	/	/
UNII-3					
149	5745	151	5755	155	5775
153	5765	159	5795	/	/
157	5785	/	/	/	/
161	5805	/	/	/	/
165	5825	/	/	/	/
Note: Band 5600-5650MHz will be disabled when shipped to Canada.					

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
Connecting cable	N/A	N/A	length: 2.0m, unshielded
Bluetooth/WIFI antenna	N/A	N/A	length: 1.80m, shielded
FM/AM antenna	N/A	N/A	length: 3.15m, shielded
GNSS antenna	N/A	N/A	length: 2.0m, shielded

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: QRCT.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 2 dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Data rate, Channel, and Frequency					
Tested mode	Tx Power Setting		Data rate (Mbps) (see Note)	Test Channel	Frequency (MHz)
	ANT1	ANT2			
IEEE 802.11a	13	13	6	LCH: CH36	5180
	13	13	6	MCH: CH40	5200
	13	13	6	HCH: CH48	5240
	13	13	6	LCH: CH52	5260
	13	13	6	MCH: CH56	5280
	13	13	6	HCH: CH64	5320
	13	13	6	LCH: CH100	5500
	13	13	6	MCH: CH116	5580
	13	13	6	HCH: CH140	5700
	13	13	6	Straddle: CH144	5720
	13	13	6	LCH: CH149	5745
	13	13	6	MCH: CH157	5785
	13	13	6	HCH: CH165	5825
IEEE 802.11n HT20	10	10	MCS 0	LCH: CH36	5180
	10	10	MCS 0	MCH: CH40	5200
	10	10	MCS 0	HCH: CH48	5240
	10	10	MCS 0	LCH: CH52	5260

	10	10	MCS 0	MCH: CH56	5280
	10	10	MCS 0	HCH: CH64	5320
	10	10	MCS 0	LCH: CH100	5500
	10	10	MCS 0	MCH: CH116	5580
	10	10	MCS 0	HCH: CH140	5700
	10	10	MCS 0	Straddle: CH144	5720
	10	10	MCS 0	LCH: CH149	5745
	10	10	MCS 0	MCH: CH157	5785
	10	10	MCS 0	HCH: CH165	5825
IEEE 802.11n HT40	10	10	MCS 0	LCH: CH38	5190
	10	10	MCS 0	HCH: CH46	5230
	10	10	MCS 0	LCH: CH54	5270
	10	10	MCS 0	HCH: CH62	5310
	10	10	MCS 0	LCH: CH102	5510
	10	10	MCS 0	MCH: CH110	5550
	10	10	MCS 0	HCH: CH134	5670
	10	10	MCS 0	LCH: CH151	5755
	10	10	MCS 0	HCH: CH159	5795
IEEE 802.11ac VHT20	12	12	MCS 0	LCH: CH36	5180
	12	12	MCS 0	MCH: CH40	5200
	12	12	MCS 0	HCH: CH48	5240
	12	12	MCS 0	LCH: CH52	5260
	12	12	MCS 0	MCH: CH56	5280
	12	12	MCS 0	HCH: CH64	5320
	12	12	MCS 0	LCH: CH100	5500
	12	12	MCS 0	MCH: CH116	5580
	12	12	MCS 0	HCH: CH140	5700
	12	12	MCS 0	Straddle: CH144	5720
	12	12	MCS 0	LCH: CH149	5745
	12	12	MCS 0	MCH: CH157	5785
	12	12	MCS 0	HCH: CH165	5825
	12	12	MCS 0	LCH: CH38	5190
IEEE 802.11 ac VHT40	12	12	MCS 0	HCH: CH46	5230
	12	12	MCS 0	LCH: CH54	5270
	12	12	MCS 0	HCH: CH62	5310
	12	12	MCS 0	LCH: CH102	5510
	12	12	MCS 0	MCH: CH110	5550
	12	12	MCS 0	HCH: CH134	5670
	12	12	MCS 0	Straddle: CH151	5710
	12	12	MCS 0	LCH: CH159	5755

	12	12	MCS 0	HCH: CH36	5795
IEEE 802.11ac VHT80	10	10	MCS 0	CH42	5210
	10	10	MCS 0	CH58	5290
	10	10	MCS 0	LCH: CH106	5530
	10	10	MCS 0	HCH: CH122	5610
	10	10	MCS 0	Straddle: CH138	5690
	10	10	MCS 0	CH155	5775
IEEE 802.11ax HE20	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH36	5180
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	MCH: CH40	5200
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH48	5240
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH52	5260
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	MCH: CH56	5280
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH64	5320
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH100	5500
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	MCH: CH116	5580
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH140	5700
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	Straddle: CH144	5720
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH149	5745
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	MCH: CH157	5785
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH165	5825
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH38	5190
IEEE 802.11ax HE40	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH46	5230
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH54	5270
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH62	5310
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH102	5510
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	MCH: CH110	5550
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH134	5670
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	Straddle: CH151	5710
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	LCH: CH159	5755
	SU: 10 RU: 9	SU: 10 RU: 9	MCS 0	HCH: CH36	5795
	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0	CH42	5210
IEEE 802.11ax HE80	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0	CH58	5290
	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0	LCH: CH106	5530
	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0	HCH: CH122	5610
	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0	Straddle: CH138	5690
	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0	CH155	5775
	SU: 8 RU: 8	SU: 8 RU: 8	MCS 0		
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.					

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to 106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

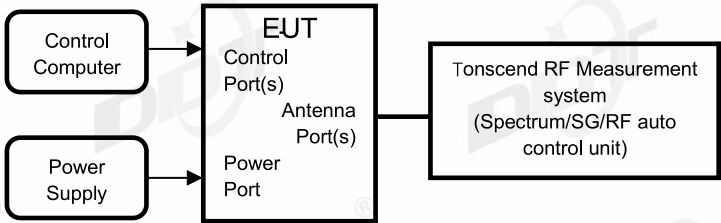
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
	1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date	Cal. Interval
☑ RF Connected Test (RF Measurement System 1#)					
SIGNAL ANALYZER	R&S	FSQ26	101272	2025/03/31	1 Year
Wideband Radio Communication Tester	R&S	CMW500	120259	2025/07/08	1 Year
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2025/03/31	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2025/03/31	1 Year
RF Control Unit	Tonsend	JS0806-2	158060010	2025/03/31	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22	1 Year
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A	N/A

4. 26dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
26 dB Bandwidth	---	5150 - 5250
	---	5250 - 5350
	---	5470 - 5725

4.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	approximately 1% of the emission bandwidth.
VBW	> RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

4.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	23.6℃, 45%RH	Test Date:	2025.01.21-2025.02.21
Test Power Supply:	DC 12V	Sample Number:	S24122405-001

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	20.12	5169.72	5189.84	---	---
	Ant2	5180	20.08	5169.76	5189.84	---	---
	Ant1	5200	20.36	5189.72	5210.08	---	---
	Ant2	5200	20.08	5189.76	5209.84	---	---
	Ant1	5240	20.12	5229.72	5249.84	---	---
	Ant2	5240	20.52	5229.72	5250.24	---	---
	Ant1	5260	20.44	5249.72	5270.16	---	---
	Ant2	5260	20.08	5249.76	5269.84	---	---
	Ant1	5280	20.60	5269.76	5290.36	---	---
	Ant2	5280	20.24	5269.72	5289.96	---	---
	Ant1	5320	20.12	5309.72	5329.84	---	---
	Ant2	5320	20.32	5309.76	5330.08	---	---
	Ant1	5500	20.00	5489.72	5509.72	---	---
	Ant2	5500	20.08	5489.68	5509.76	---	---
	Ant1	5580	20.12	5569.72	5589.84	---	---
	Ant2	5580	20.88	5569.56	5590.44	---	---
	Ant1	5700	20.20	5689.76	5709.96	---	---
	Ant2	5700	20.24	5689.72	5709.96	---	---
	Ant1	5720	20.32	5709.68	5730.00	---	---
	Ant2	5720	19.92	5709.68	5729.60	---	---
	Ant1	5720_UNII-2C	15.32	5709.68	5725	---	---
	Ant2	5720_UNII-2C	15.32	5709.68	5725	---	---
	Ant1	5720_UNII-3	5	5725	5730.00	---	---
	Ant2	5720_UNII-3	4.6	5725	5729.60	---	---
	Ant1	5745	20.16	5734.68	5754.84	---	---
	Ant2	5745	20.24	5734.88	5755.12	---	---
	Ant1	5785	20.28	5774.72	5795.00	---	---
	Ant2	5785	20.24	5774.68	5794.92	---	---
	Ant1	5825	20.12	5814.72	5834.84	---	---
	Ant2	5825	20.08	5814.72	5834.80	---	---
11N20SISO	Ant1	5180	21.80	5169.04	5190.84	---	---
	Ant2	5180	21.84	5169.00	5190.84	---	---
	Ant1	5200	22.12	5188.80	5210.92	---	---

	Ant2	5200	22.32	5188.64	5210.96	---	---
	Ant1	5240	21.92	5228.88	5250.80	---	---
	Ant2	5240	21.88	5229.04	5250.92	---	---
	Ant1	5260	22.12	5248.88	5271.00	---	---
	Ant2	5260	21.76	5249.08	5270.84	---	---
	Ant1	5280	21.68	5269.28	5290.96	---	---
	Ant2	5280	21.56	5269.28	5290.84	---	---
	Ant1	5320	21.88	5309.00	5330.88	---	---
	Ant2	5320	21.40	5309.28	5330.68	---	---
	Ant1	5500	22.60	5488.28	5510.88	---	---
	Ant2	5500	22.56	5488.44	5511.00	---	---
	Ant1	5580	21.76	5569.16	5590.92	---	---
	Ant2	5580	21.80	5569.08	5590.88	---	---
	Ant1	5700	23.12	5687.48	5710.60	---	---
	Ant2	5700	21.88	5688.92	5710.80	---	---
	Ant1	5720	22.12	5708.40	5730.52	---	---
	Ant2	5720	22.12	5708.52	5730.64	---	---
	Ant1	5720_UNII-2C	16.6	5708.40	5725	---	---
	Ant2	5720_UNII-2C	16.48	5708.52	5725	---	---
	Ant1	5720_UNII-3	5.52	5725	5730.52	---	---
	Ant2	5720_UNII-3	5.64	5725	5730.64	---	---
	Ant1	5745	24.28	5732.80	5757.08	---	---
	Ant2	5745	22.20	5733.68	5755.88	---	---
	Ant1	5785	22.92	5773.96	5796.88	---	---
	Ant2	5785	21.24	5774.64	5795.88	---	---
	Ant1	5825	22.08	5813.92	5836.00	---	---
	Ant2	5825	21.08	5814.32	5835.40	---	---
11N40SISO	Ant1	5190	41.44	5169.36	5210.80	---	---
	Ant2	5190	41.12	5169.44	5210.56	---	---
	Ant1	5230	41.60	5209.20	5250.80	---	---
	Ant2	5230	44.24	5206.56	5250.80	---	---
	Ant1	5270	40.88	5249.68	5290.56	---	---
	Ant2	5270	41.20	5249.36	5290.56	---	---
	Ant1	5310	41.36	5289.52	5330.88	---	---
	Ant2	5310	41.12	5289.68	5330.80	---	---
	Ant1	5510	41.68	5488.88	5530.56	---	---
	Ant2	5510	52.24	5478.56	5530.80	---	---
	Ant1	5550	40.88	5529.60	5570.48	---	---
	Ant2	5550	43.68	5526.72	5570.40	---	---

	Ant1	5670	40.72	5649.36	5690.08	---	---
	Ant2	5670	40.80	5649.12	5689.92	---	---
	Ant1	5710	53.20	5676.88	5730.08	---	---
	Ant2	5710	50.80	5679.20	5730.00	---	---
	Ant1	5710_UNII-2C	48.12	5676.88	5725	---	---
	Ant2	5710_UNII-2C	45.8	5679.20	5725	---	---
	Ant1	5710_UNII-3	5.08	5725	5730.08	---	---
	Ant2	5710_UNII-3	5	5725	5730.00	---	---
	Ant1	5755	66.00	5725.16	5791.16	---	---
	Ant2	5755	41.68	5734.12	5775.80	---	---
	Ant1	5795	40.80	5774.76	5815.56	---	---
	Ant2	5795	40.64	5775.08	5815.72	---	---
11AC20SISO	Ant1	5180	21.00	5169.48	5190.48	---	---
	Ant2	5180	21.08	5169.44	5190.52	---	---
	Ant1	5200	21.40	5189.12	5210.52	---	---
	Ant2	5200	21.16	5189.40	5210.56	---	---
	Ant1	5240	20.88	5229.48	5250.36	---	---
	Ant2	5240	21.60	5229.16	5250.76	---	---
	Ant1	5260	20.88	5249.60	5270.48	---	---
	Ant2	5260	21.16	5249.32	5270.48	---	---
	Ant1	5280	21.04	5269.40	5290.44	---	---
	Ant2	5280	22.88	5267.64	5290.52	---	---
	Ant1	5320	20.88	5309.56	5330.44	---	---
	Ant2	5320	21.32	5309.48	5330.80	---	---
	Ant1	5500	21.00	5489.44	5510.44	---	---
	Ant2	5500	21.20	5489.20	5510.40	---	---
	Ant1	5580	21.24	5569.20	5590.44	---	---
	Ant2	5580	21.20	5569.44	5590.64	---	---
	Ant1	5700	21.08	5689.40	5710.48	---	---
	Ant2	5700	21.08	5689.44	5710.52	---	---
	Ant1	5720	21.36	5709.08	5730.44	---	---
	Ant2	5720	21.12	5709.36	5730.48	---	---
	Ant1	5720_UNII-2C	15.92	5709.08	5725	---	---
	Ant2	5720_UNII-2C	15.64	5709.36	5725	---	---
	Ant1	5720_UNII-3	5.44	5725	5730.44	---	---
	Ant2	5720_UNII-3	5.48	5725	5730.48	---	---
	Ant1	5745	21.16	5734.48	5755.64	---	---
	Ant2	5745	21.08	5734.48	5755.56	---	---
	Ant1	5785	20.96	5774.48	5795.44	---	---

	Ant2	5785	21.28	5774.52	5795.80	---	---
	Ant1	5825	21.12	5814.40	5835.52	---	---
	Ant2	5825	21.16	5814.32	5835.48	---	---
11AC40SISO	Ant1	5190	40.32	5169.84	5210.16	---	---
	Ant2	5190	40.72	5169.60	5210.32	---	---
	Ant1	5230	40.80	5209.68	5250.48	---	---
	Ant2	5230	40.64	5209.60	5250.24	---	---
	Ant1	5270	40.64	5249.76	5290.40	---	---
	Ant2	5270	40.48	5249.68	5290.16	---	---
	Ant1	5310	40.32	5289.68	5330.00	---	---
	Ant2	5310	40.64	5289.60	5330.24	---	---
	Ant1	5510	40.40	5489.68	5530.08	---	---
	Ant2	5510	40.72	5489.60	5530.32	---	---
	Ant1	5550	40.64	5529.60	5570.24	---	---
	Ant2	5550	40.56	5529.60	5570.16	---	---
	Ant1	5670	40.64	5649.52	5690.16	---	---
	Ant2	5670	40.48	5649.52	5690.00	---	---
	Ant1	5710	40.24	5689.60	5729.84	---	---
	Ant2	5710	40.08	5689.84	5729.92	---	---
	Ant1	5710_UNII-2C	35.4	5689.60	5725	---	---
	Ant2	5710_UNII-2C	35.16	5689.84	5725	---	---
	Ant1	5710_UNII-3	4.84	5725	5729.84	---	---
	Ant2	5710_UNII-3	4.92	5725	5729.92	---	---
	Ant1	5755	40.48	5734.76	5775.24	---	---
	Ant2	5755	40.56	5734.68	5775.24	---	---
	Ant1	5795	40.72	5774.60	5815.32	---	---
	Ant2	5795	40.56	5774.68	5815.24	---	---
11AC80SISO	Ant1	5210	83.52	5168.40	5251.92	---	---
	Ant2	5210	83.36	5168.24	5251.60	---	---
	Ant1	5290	82.40	5248.56	5330.96	---	---
	Ant2	5290	83.04	5248.24	5331.28	---	---
	Ant1	5530	83.04	5488.08	5571.12	---	---
	Ant2	5530	83.04	5488.24	5571.28	---	---
	Ant1	5610	83.36	5568.40	5651.76	---	---
	Ant2	5610	83.84	5568.08	5651.92	---	---
	Ant1	5690	82.24	5648.24	5730.48	---	---
	Ant2	5690	82.88	5648.24	5731.12	---	---
	Ant1	5690_UNII-2C	76.76	5648.24	5725	---	---
	Ant2	5690_UNII-2C	76.76	5648.24	5725	---	---

	Ant1	5690_UNII-3	5.48	5725	5730.48	---	---
	Ant2	5690_UNII-3	6.12	5725	5731.12	---	---
	Ant1	5775	81.92	5733.72	5815.64	---	---
	Ant2	5775	83.52	5733.40	5816.92	---	---
11AX20SISO	Ant1	5180	21.56	5169.00	5190.56	---	---
	Ant2	5180	21.64	5169.12	5190.76	---	---
	Ant1	5200	21.92	5189.04	5210.96	---	---
	Ant2	5200	21.00	5189.48	5210.48	---	---
	Ant1	5240	21.60	5229.24	5250.84	---	---
	Ant2	5240	21.56	5229.04	5250.60	---	---
	Ant1	5260	21.48	5249.16	5270.64	---	---
	Ant2	5260	21.68	5249.12	5270.80	---	---
	Ant1	5280	21.48	5269.20	5290.68	---	---
	Ant2	5280	21.52	5269.00	5290.52	---	---
	Ant1	5320	21.40	5309.32	5330.72	---	---
	Ant2	5320	21.56	5309.16	5330.72	---	---
	Ant1	5500	20.92	5489.44	5510.36	---	---
	Ant2	5500	21.48	5489.16	5510.64	---	---
	Ant1	5580	21.04	5569.40	5590.44	---	---
	Ant2	5580	21.28	5569.16	5590.44	---	---
	Ant1	5700	21.64	5689.00	5710.64	---	---
	Ant2	5700	21.32	5689.28	5710.60	---	---
	Ant1	5720	21.68	5709.08	5730.76	---	---
	Ant2	5720	21.40	5709.08	5730.48	---	---
	Ant1	5720_UNII-2C	15.92	5709.08	5725	---	---
	Ant2	5720_UNII-2C	15.92	5709.08	5725	---	---
	Ant1	5720_UNII-3	5.76	5725	5730.76	---	---
	Ant2	5720_UNII-3	5.48	5725	5730.48	---	---
	Ant1	5745	21.28	5734.44	5755.72	---	---
	Ant2	5745	21.44	5734.16	5755.60	---	---
	Ant1	5785	21.52	5774.12	5795.64	---	---
	Ant2	5785	21.56	5774.40	5795.96	---	---
	Ant1	5825	21.68	5814.04	5835.72	---	---
	Ant2	5825	21.56	5814.04	5835.60	---	---
11AX40SISO	Ant1	5190	40.64	5169.60	5210.24	---	---
	Ant2	5190	40.72	5169.60	5210.32	---	---
	Ant1	5230	40.88	5209.52	5250.40	---	---
	Ant2	5230	40.80	5209.60	5250.40	---	---
	Ant1	5270	40.96	5249.44	5290.40	---	---

	Ant2	5270	40.96	5249.36	5290.32	---	---
	Ant1	5310	40.96	5289.52	5330.48	---	---
	Ant2	5310	40.80	5289.52	5330.32	---	---
	Ant1	5510	41.04	5489.44	5530.48	---	---
	Ant2	5510	41.20	5489.28	5530.48	---	---
	Ant1	5550	40.80	5529.52	5570.32	---	---
	Ant2	5550	40.64	5529.68	5570.32	---	---
	Ant1	5670	40.88	5649.44	5690.32	---	---
	Ant2	5670	41.20	5649.20	5690.40	---	---
	Ant1	5710	40.80	5689.52	5730.32	---	---
	Ant2	5710	40.96	5689.36	5730.32	---	---
	Ant1	5710_UNII-2C	35.48	5689.52	5725	---	---
	Ant2	5710_UNII-2C	35.64	5689.36	5725	---	---
	Ant1	5710_UNII-3	5.32	5725	5730.32	---	---
	Ant2	5710_UNII-3	5.32	5725	5730.32	---	---
	Ant1	5755	40.72	5734.52	5775.24	---	---
	Ant2	5755	40.72	5734.60	5775.32	---	---
	Ant1	5795	40.80	5774.60	5815.40	---	---
	Ant2	5795	41.04	5774.60	5815.64	---	---
11AX80SISO	Ant1	5210	83.04	5168.56	5251.60	---	---
	Ant2	5210	82.56	5168.56	5251.12	---	---
	Ant1	5290	82.24	5248.88	5331.12	---	---
	Ant2	5290	83.04	5248.40	5331.44	---	---
	Ant1	5530	82.88	5488.40	5571.28	---	---
	Ant2	5530	82.72	5488.40	5571.12	---	---
	Ant1	5610	83.36	5567.92	5651.28	---	---
	Ant2	5610	83.04	5568.40	5651.44	---	---
	Ant1	5690	82.88	5648.24	5731.12	---	---
	Ant2	5690	82.72	5648.24	5730.96	---	---
	Ant1	5690_UNII-2C	76.76	5648.24	5725	---	---
	Ant2	5690_UNII-2C	76.76	5648.24	5725	---	---
	Ant1	5690_UNII-3	6.12	5725	5731.12	---	---
	Ant2	5690_UNII-3	5.96	5725	5730.96	---	---
	Ant1	5775	82.72	5733.56	5816.28	---	---
	Ant2	5775	83.52	5733.40	5816.92	---	---

4.5. Test graphs

