

Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 1 of 22

FCC Test Report

Client Name : Meferi Technologies Co.,Ltd.

4501, 45th Floor, Building A, No. 530, Middle

Client Address : Tianfu Avenue, High-tech Zone, Chengdu,

China

Product Name : HANDHELD TERMINAL

Report Date : Mar. 07, 2023

Shenzhen Anbotek Compliance Laboratory Limited









Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 2 of 22

Contents

1. General Information	5
1.1. Client Information	5
General Information 1.1. Client Information 1.2. Description of Device (EUT) 1.3. Auxiliary Equipment Used During Test	5
1.3. Auxiliary Equipment Used During Test	7
1.4. Description of Test Facility	7 ^b
1.4. Description of Test Facility	8
1.6. Antenna Specification:	8
1.7. Table for Antenna Configuration:	9
1.8. Maximum Output Power And E.I.R.P.	9
1.9. Transmit Power Control (TPC)	11
U-NII DFS Rule Requirements	12
2.1. Working Modes and Required Test Items	12
2.2. Test Limits and Radar Signal Parameters	13
3. Test Equipment List	17
4 Dynamic Frequency Selection (DES)	1.8
4.1. DFS Measurement System	18
4.2 Calibration of DES Detection Threshold Level	19
4.3. Deviation from Test Standard	19
5.1. Summary of Test Results	20
5.2. DFS Detection Threshold	21
5.3. Channel Move Time And Channel Closing Transmission Time	21
5.4. Channel LoadingAPPENDIX I TEST SETUP PHOTOGRAPH	21
APPENDIX I TEST SETUP PHOTOGRAPH	22
APPENDIX II EXTERNAL PHOTOGRAPH	22
APPENDIX III INTERNAL PHOTOGRAPH	22





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 3 of 22

TEST REPORT

Applicant : Meferi Technologies Co.,Ltd.

Manufacturer : Meferi Technologies Co.,Ltd.

Product Name : HANDHELD TERMINAL

Model No. ME40K, ME40M, ME40, ME40K_M, ME40M_EEA, ME40K_ROW, ME40L

ME41K, ME40S, ME40P

Trade Mark : MEFERI

Input: 5V= 2A, 9V= 2A, (via adapter input: 100-240V~, 50/60Hz, 0.6A, Output:

Rating(s) : 3.6V-6.0Vdc, 3.0A; or 6.0-9.0Vdc, 2.0A; or 9.0-12.0Vdc, 1.5A)

Capacity: 3.85V, 5180mAh (BATME40K)

Test Standard(s) : FCC Part15 Subpart E, Paragraph 15.407

Test Method(s) : FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart E requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt Nov. 30, 2022

Date of Test Nov. 30, 2022~Feb. 01, 2023

Tu 7u Hong

Prepared By (TuTu Hong)

Approved & Authorized Signer (Kingkong Jin)

Code:AB-RF-05-b

Hotline 400-003-0500 www.anbotek.com.cn





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 4 of 22

Revision History

Report Version		rsion Description			Issued Date		
VUE	R00	Anbot	ek Aupo,	Original Issue.	upoter Ar	potek	Mar. 07, 2023
ek	Anbotek	An	otek Anbotel	Anbotek	Anborek	Anbotek	Auporor Aup
potek	Anborek	__	Pupp Potek Vup	stek Anbore	Amanbotek	Anbo	ek Anbe hotek





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 5 of 22

1. General Information

1.1. Client Information

Applicant	: Meferi Technologies Co.,Ltd.
Address	4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone Chengdu, China
Manufacturer	: Meferi Technologies Co.,Ltd.
Address	4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone Chengdu, China
Factory	: Dongguan Unicair Communication Tec. Co., Ltd.
Address	No. 49,Yinhu Road,Shishuikou Village,Qiaotou Town,Dongguan City,Guangdong Province,China

1.2. Description of Device (EUT)

Ī	-10		Lesk approx Arm & work Arm					
	Product Name	:	HANDHELD TERMINAL					
,e	Model No.	:	ME40K, ME40M, ME40, ME40K_M, ME40M_EEA, ME40K_ROW, ME40L, ME41K, ME40S, ME40P (Note: All samples are the same except the model number, so we prepare "ME40K" for test only.)					
-	Trade Mark	:	MEFERI Anbotek Anbotek Anbotek Anbotek Anbotek					
	Test Power Supply	:	AC 120V, 60Hz for adapter/DC 3.85V battery inside					
Ns.	Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)					
200	Adapter		Model: TPA-10S120150UU01 Input: 100-240V~50/60Hz 0.6A Output: 3.6-6V 3A/ 6-9V 2A/ 9-12V 1.5A					
	RF Specification							
,	Operation Mode	÷	⋈ a ⋈ n(HT20) ⋈ n(HT40) ⋈ ac(VHT20) ⋈ ac(VHT40) ⋈ ac(VHT80) □ ac(VHT160) □ ax(HEW20) □ ax(HEW40) □ ax(HEW80) □ ax(HEW160)					
	Device Type	:	☐ Outdoor AP ☐ Indoor AP ☐ Point-to-point AP ☐ Client					
	TPC Function	:	☐ With TPC ⊠ Without TPC					
7	DFS Type	:	Slave without radar detection ☐ Slave with radar detection ☐ Master					
53	Operation	:	⊠ Wi-Fi 5.3G: 5250~5350MHz ⊠ Wi-Fi 5.6G: 5470~5725MHz					
, T	TPC Function DFS Type	:						

Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-b
Hotline
400-003-0500
www.anbotek.com.cn





Page 6 of 22 Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K

Frequency	bo k hotek Anbore Am tek nbotek Anb
Number of Channel	Wi-Fi 5.3G:
Modulation Type	 ⊠ 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) ⊠ 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) ⊠ 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) □ 802.11ax: OFDMA(BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Antenna Type	FPC antenna
Antenna Gain(Peak)	Wi-Fi 5.3G: 0.9dBi (Provided by customer) Wi-Fi 5.6G: 3.41dBi (Provided by customer)

or the User's Manual.





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 7 of 22

1.3. Auxiliary Equipment Used During Test

Description	Rating(s)			
hung otek supotek	-Anbo	hotek Anbore	Ans	Anborek Anbo

1.4. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102



Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 8 of 22

1.5. Channel List

OLO VIII	worker Anbo	k abore Am	-K molek
Frequency Band	Mode	Test channel	Frequency (MHz)
Anbotek Anbo	ok botek Anbore An	CH 52	5260
Anbotek Ar	OFDM	CH 56	5280
Ann	802.11a/n(HT20)/ac(HT20)	CH 60	5300
5.3GHz	Anborek Anbor ak Morek	CH 64	5320
10.	OFDM	CH 54	5270
hotek Anbotek	802.11n(HT40)/ac(HT40)	CH 62	5310
Anbotek Anbo	OFDM 802.11ac(HT80)	CH 58	5290
Anbore K	Anbotek Anbotek Anbotek	CH 100	5500
	stek suppor the	CH 104	5200
ek aboten	All K Solek Ande	CH 108	5540
100		CH 112	5560
potek Anbore	k Anbore Ant Otek Anbor	CH 116	5580
Anbotek Anboten	OFDM	CH 120	5600
Anbotek Ant	tek apole by	CH 124	5620
Anbotek	iek sport by	CH 128	5640
k Anboter	Ar. And abotek And	CH 132	5660
5.6GHz	Anbotek Anbotek Anbotek	CH 136	5680
unbotek Anbote	Anbo, Anborek Anbor	CH 140	5700
	oten And K hotek Ant	CH 102	5510
	sporek Anbore Ans	CH 110	5550
Anbotek A	OFDM 802.11n(HT40)/ac(HT40)	CH 118	5590
k Anbotek	332.1111(11140)/46(11140)	CH 126	5630
stek Anbotek	Anbotek Anbotek Anbotek	CH 134	5670
abotek Anboter	OFDM	CH 106	5530
nbotek Anbo	802.11ac(HT80)	CH 122	5610
15.5.7			

1.6. Antenna Specification:

o	Ant.	Antenna Type	Connector	Gain (dBi)
worek	5.3G	FPC	N/A	0.9
71/10	5.6G	FPC FPC	N/A	3.41





Report No.: 18220WC20274905

1.7. Table for Antenna Configuration:

Operating Mode TX Mode	1TX
802.11a	week who A way above
802.11n(HT20)	Anbo Anbore Anbore
802.11ac(HT20)	k anbore An Vik abores Anbor
802.11n(HT40)	ok notek Anbov stek onb
802.11ac(HT40)	ore Ann Sk Votek Anno
802.11ac(HT80)	Motek Anbor AV sek Spotek

1.8. Maximum Output Power And E.I.R.P.

-10	Mod	de: TX (802.11a 20M	147)	
		`	,	
Frequency Band	Max Average	Gain	Max. e.i.r.p.	Max. e.i.r.p.
(MHz)	Output	(dBi)	(dBm)	(mW)
	Power (dBm)			
5250~5350	15.61	0.9	16.51	44.77
5470~5725	14.95	3.41	18.36	68.55

Mode: TX (802.11n(HT20))						
Frequency Band Max Average Gain Max. e.i.r.p. Max. e.i.r.p.						
(MHz)	Output	(dBi)	(dBm)	(mW)		
	Power (dBm)					
5250~5350	15.9	0.9	16.80	47.86		
5470~5725	15.89	3.41	19.30	85.11		

Mode: TX (802.11ac(HT20))						
Frequency Band Max Average Gain Max. e.i.r.p. Max. e.i.r.p.						
(MHz)	Output	(dBi)	(dBm)	(mW)		
1	Power (dBm)					
5250~5350	14.48	0.9	15.38	34.51		
5470~5725	14.86	3.41	18.27	67.14		

		Mo	de: TX (802.11n(HT4	·0))		
20	Frequency Band	Max Average	Gain	Max. e.i.r.p.	Max. e.i.r.p.	
o	(MHz)	Output	(dBi)	(dBm)	(mW)	
		Power (dBm)				
1	5250~5350	15.26	0.9	16.16	41.30	
Ī	5470~5725	16.65	3.41	20.06	101.39	

Shenzhen Anbotek Compliance Laboratory Limited

www.anbotek.com.cn





Page 10 of 22 Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K

	Mode: TX (802.11ac(HT40))								
×	Frequency Band	Max Average	Gain	Max. e.i.r.p.	Max. e.i.r.p.				
	(MHz) Output		(dBi)	(dBm)	(mW)				
	Power (dBm)								
4	5250~5350	16.45	0.9	17.35	54.33				
	5470~5725	17.04	3.41	20.45	110.92				

Mode: TX (802.11ac(HT80))								
Frequency Band	Max. e.i.r.p.							
(MHz)	Output	(dBi)	(dBm)	(mW)				
	Power (dBm)							
5250~5350	16.03	0.9	16.93	49.32				
5470~5725	16.01	3.41	19.42	87.50				





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 11 of 22

1.9. Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

3	Applicable	EIRP	FCC 15.407 (h)(1)
77	botek hobotek	>500mW	The TPC mechanism is required for system with an EIRP of above 500mW
	Anborek Anbore	<500mW	The TPC mechanism is not required for system with an EIRP of less 500mW

The UUT can adjust a transmitter's output power based on the signal level present at the receiver.TPC is auto controlled by software.







Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 12 of 22

2. U-NII DFS Rule Requirements

2.1. Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Applicability of DFS Requirements Prior to Use a Channel

		Operational Mod	de		
Requirement	NAt	Client without radar	Client with radar		
	Master	detection	detection		
Non-Occupancy Period	okek A Mupo.	Not required	pore And Viek		
DFS Detection Threshold	notek V Ant	Not required	potek And		
Channel Availability Check Time	V	Not required	Not required		
U-NII Detection Bandwidth	And Vek	Not required	Anborek V Anborek		

Applicability of DFS Requirements during Normal Operation

1.40	Operational Mode				
Requirement	Master	Client without radar detection	Client with radar detection		
DFS Detection Threshold	Anbore'	Not required	inpos A otek		
Channel Closing Transmission Time	Anbalek	Anborek Anborek	Anborek V Anborek		
Channel Move Time	P	Anborek V Anbo	k hotel Anbore		
U-NII Detection Bandwidth	Sk Aupon	Not required	And Vek and		

Additional requirements for devices	Master Device or Client	Client Without Radar	
with multiple bandwidth modes	with Radar Detection	Detection	
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required	
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link	
All other tests	Any single BW mode	Not required	

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

Code:AB-RF-05-b

Hotline
400-003-0500
www.anbotek.com.cr





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 13 of 22

2.2. Test Limits and Radar Signal Parameters

Detection Threshold Values:

DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Mariana Tanana'i Ba	Value (See Notes 1, 2, and 3)		
Maximum Transmit Power			
EIRP ≥ 200 milliwatt	-64 dBm		
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm		
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm		

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Test Limit:

DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Code:AB-RF-05-b

Hotline
400-003-0500

www.anbotek.com.cn





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 14 of 22

Parameters of DFS Test Signals And Minimum Percentage of Successful Detections:

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Short Pulse Radar Test Waveforms

Radar	Pulse Width	PRI	Number of Pulses	Minimum	Minimum
		5557	Number of Pulses		
Type	(µsec)	(µsec)		Percentage of	Number of
				Successful	Trials
				Detection	
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique	[(1)]	60%	30
		PRI values	$\left(\frac{360}{360}\right)$.		
		randomly selected	Roundup (360)		
		from the list of 23	(19·10 ⁶)		
		PRI values in Table	DDI		
		5a	$\left(\left(PRI_{\mu \text{sec}}\right)\right)$		
		Test B: 15 unique	38		
		PRI values			
		randomly selected			
		within the range of			
		518-3066 µsec,			
		with a minimum			
		increment of 1			
		usec, excluding			
		PRI values selected			
		in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-	4)		80%	120

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 µsec is selected, the number of

pulses would be Roundup
$$\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{3066} \right) \right\} = \text{Round up } \{17.2\} = 18$$







Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 15 of 22

Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4.

Long Pulse Radar Test Waveform

,o	Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
F.	5 Anbotek	5-100	5-20	1000-2000	1-3	8-20	80%	30

Shenzhen Anbotek Compliance Laboratory Limited

Code:AB-RF-05-b





Report No.: 18220WC20274905 Page 16 of

Frequency Hopping Radar Test Waveform

7	Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
20	ootek 6 Anl	Jotek 1 Anb	333	obote ^{3k} 9 M	0.333	300	70%	30

For the Frequency Hopping Radar Type, the same Burst parameters are µsed for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm: If a segment does not contain at least 1 frequency within the U-NII Detection Bandwidth of the UUT, then that segment is not used.

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 - 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.





Report No.: 18220WC20274905 Page 17 of 22 FCC ID: 2A9LJ-ME40K

3. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1. _p	MAX Spectrum Analysis	Agilent	N9020A	MY51170037	Oct. 13, 2022	1 Year
2.	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY53280032	Oct. 13, 2022	1 Year
3.	RF Control Unit	Tonscend	JS0806-2	21G8060455	Oct. 13, 2022	1 Year
4.0	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Oct. 13, 2022	1 Year





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 18 of 22

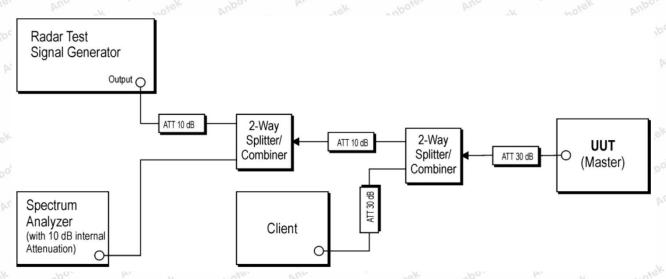
4. Dynamic Frequency Selection (DFS)

4.1. DFS Measurement System

Test Procedure:

- 1. Master device and client device are set up by conduction method as the following configuration.
- The client device is connected to notebook and to access a IP address on wireless connection with the master device.
- 3. Then the master device is connected to another notebook to access a IP address.
- 4. Finally, let the two IP addresses run traffic with each other through the Run flow software "iPerf.exe" to reach 17% channel loading as below.
- 5. The time for the device to fully start up is 65s.

Setup for Master with injection at the Master



Radar Test Waveforms are injected into the Master.



Code:AB-RF-05-b



Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 19 of 22

4.2. Calibration of DFS Detection Threshold Level

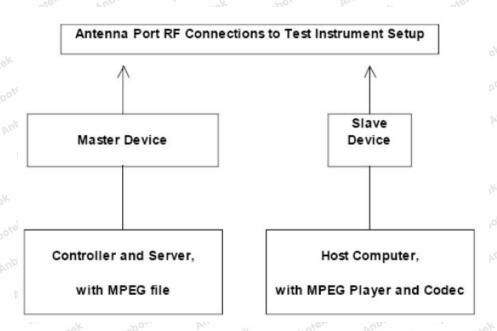
A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected in place of the master device and the signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of -64dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. Measure the amplitude and calculate the difference from -64 dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of -64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak

level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.



4.3. Deviation from Test Standard

No deviation.



Hotline.

www.anbotek.com.cn

400-003-0500



Report No.: 18220WC20274905 Page 20 of 22 FCC ID: 2A9LJ-ME40K

5. Test Results

5.1. Summary of Test Results

Standard	Test Type	Remarks	Result
FCC 15.407	Channel Move Time	Applicable	PASS
FCC 15.407	Channel Closing Transmission Time	Applicable	PASS
FCC 15.407	Channel Loading	Applicable	PASS





Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 21 of

5.2. DFS Detection Threshold

Calibration:

reshold Level
0.10dBm for 5.3G
57.59dBm for □In front of the antenna
)

Note: For SISO mode, the maximum EIRP is less than 200 milliwatt, the antenna gain is 3.41dBi. According to clause 2.2 of this report. The detection threshold level is -60.10dBm, -57.59dBm.

Please refer to Appendix A of the Appendix Test Data.

5.3. Channel Move Time And Channel Closing Transmission Time

Please refer to Appendix C of the Appendix Test Data.

5.4. Channel Loading

Please refer to Appendix B of the Appendix Test Data.



Report No.: 18220WC20274905 FCC ID: 2A9LJ-ME40K Page 22 of 22

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_DFS

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----

Code:AB-RF-05-b

