A Test Lab Techno Corp.

Changan Lab：No. 140 -1, Changan Street, Bade City, Taoyuan County, Taiwan R.O.C.
Tel：886-3-271-0188 / Fax：886-3-271-0190

MPE Report

Test Report No.	：	1508FS18
Applicant	：	Phorus, Inc.
Manufacturer	：	LITE-ON Technology (Changzhou) Co., Ltd
Product Type	：	Play-Fi Module
Trade Name	：	DTS
Model Number	：	CAPRICA2L
Date of Received	：	Aug. 10, 2015
Test Period	：	Aug. 11 ~ Aug. 27, 2015
Date of Issued	：	Sep. 01, 2015
Test Specification	：	IEEE Std. 1528-2013
		IEEE Std. 1528a-2005
		47 CFR § 2.1091
		47 CFR §1.1310
		ANSI / IEEE Std.C95.1-1992
Location of Test Lab.	：	Chang-an Lab.

1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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Approved By ： Bill Hu (Bill Hu)　　Tested By ： Sky Chou (Sky Chou)

Contents

1. Description of Equipment under Test (EUT)

Applicant	Phorus, Inc.				
Applicant Address	16255 Ventura Boulevard, Encino,California, 91436 United States				
Manufacturer	LITE-ON Technology (Changzhou) Co., Ltd				
Manufacturer Address	A9 Building, No. 88, Yanghu Road, Wujin Hi-Tech Industrial Development Zone, Changzhou City, Jiangsu Province, P.R. China				
Product Type	Play-Fi Module				
Trade Name	DTS				
Model Number	CAPRICA2L				
FCC ID	2AAWQ-CAPRICA2L				
Frequency Range	IEEE 802.11b / 802.11g / 802.11n 2.4GHz 20MHz: 2412 ~ 2462 MHz IEEE 802.11n 2.4GHz 40MHz: 2422 ~ 2452 MHz IEEE 802.11a Band I : 5180 ~ 5240 MHz IEEE 802.11a Band II-A : 5260 ~ 5320 MHz IEEE 802.11a Band II-C : 5500 ~ 5700 MHz IEEE 802.11a Band III : 5745 ~ 5825 MHz IEEE 802.11n 5GHz 20MHz Band I : 5180 ~ 5240 MHz IEEE 802.11n 5GHz 20MHz Band II-A : 5260 ~ 5320 MHz IEEE 802.11n 5GHz 20MHz Band II-C : 5500 ~ 5700 MHz IEEE 802.11n 5GHz 20MHz Band III : 5745 ~ 5825 MHz IEEE 802.11n 5GHz 40MHz Band I : 5190 ~ 5230 MHz IEEE 802.11n 5GHz 40MHz Band II-A : 5270 ~ 5310 MHz IEEE 802.11n 5GHz 40MHz Band II-C : 5510 ~ 5670 MHz IEEE 802.11n 5GHz 40MHz Band III : 5755 ~ 5795 MHz				
Transmit Power (conducted power)	IEEE 802.11b:	0.038	W /	15.78	dBm
	IEEE 802.11g:	0.024	W /	13.79	dBm
	IEEE 802.11n 2.4GHz (20MHz):	0.018	W /	12.52	dBm
	IEEE 802.11n 2.4GHz (40MHz):	0.016	W /	11.92	dBm
	IEEE 802.11a Band I :	0.017	W /	12.43	dBm
	IEEE 802.11a Band II-A :	0.019	W /	12.85	dBm
	IEEE 802.11a Band II-C :	0.024	W /	13.75	dBm
	IEEE 802.11a Band III :	0.024	W /	13.87	dBm
	IEEE 802.11n 5GHz 20MHz Band I :	0.012	W /	10.68	dBm
	IEEE 802.11n 5GHz 20MHz Band II-A :	0.012	W /	10.79	dBm
	IEEE 802.11n 5GHz 20MHz Band II-C :	0.016	W /	12.00	dBm
	IEEE 802.11n 5GHz 20MHz Band III :	0.014	W /	11.40	dBm
	IEEE 802.11n 5GHz 40MHz Band I :	0.011	W /	10.47	dBm
	IEEE 802.11n 5GHz 40MHz Band II-A :	0.011	W /	10.52	dBm
	IEEE 802.11n 5GHz 40MHz Band II-C :	0.016	W /	12.00	dBm
	IEEE 802.11n 5GHz 40MHz Band III :	0.014	W /	11.45	dBm

	Antenna Port	Model Number	Type	Max. Gain	
				2.4GHz	5GHz
Antenna used	ANT-0	PS1 Antenna B	PIFA Antenna	2.27 dBi	U-NII Band I: 2.84 dBi U-NII Band II-A: 2.90 dBi U-NII Band II-C: 4.95 dBi U-NII Band III: 5.48 dBi
	ANT-1	PR1 Antenna A	PIFA Antenna	1.95 dBi	U-NII Band I: 2.01 dBi U-NII Band II-A: 3.00 dBi U-NII Band II-C: 3.15 dBi U-NII Band III: 4.03 dBi
Temperature Range	0 ~ +70°C				
RF Evaluation	0.18 W/m^2				

The above equipment was tested by A Test Lab Techno Corp. For compliance with the requirements set forth in 47 CFR § 2.1091 & 47 CFR § 1.1310. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties

2. Human Exposure Assessment

Due to the design and installation of this product, it is not possible to conduct SAR evaluation. This is because client either manufactures or supplies the antenna(s) that will be used in the installation of this product. Therefore, this product will be evaluated as a mobile device per 47 CFR §1.1310 titled “Radiofrequency radiation exposure limits”, generally referred to as MPE limits.

In 47 CFR § 2.1091, paragraph (b) defines a mobile device as “a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 cm is normally maintained between the transmitter’s radiating structure(s) and the body of the user or nearby persons. ” This product is intended to be installed into a vehicle such that the unit is physically secured at one location. In the installation guide supplied with the product,

Client has made the following statement: “IMPORTANT: To meet the FCC’s RF Exposure Guidelines, the antenna should be installed so there is at least 20 cm of separation between the body of the user and nearby persons and the antenna”. Based on the installation of the transceiver and the antenna, the transmitters radiating structure is more than 20 cm from the user. Thus, this product is a “mobile device” as defined in section § 2.1091 paragraph (b).

Exposure evaluation
$$S = \frac{PG}{4\pi R^2}$$ Where S: power density P: power input to the antenna G: power gain of the antenna in the direction of interest relative to an isotropic radiator. R: distance to the center of radiation of the antenna.

3. RF Output Power

Band	Date Rate	CH	Frequency (MHz)	Average Conducted power (dBm)	
				ANT-0	ANT-1
IEEE 802.11b	1M	1	2412.0	14.35	15.22
		6	2437.0	14.56	15.78
		11	2462.0	14.43	15.02
	2M	6	2437.0	14.45	15.71
	5.5M	6	2437.0	14.29	15.67
	11M	6	2437.0	14.24	15.61
IEEE 802.11g	6M	1	2412.0	13.50	13.73
		6	2437.0	13.71	13.79
		11	2462.0	13.46	13.53
	9M	6	2437.0	13.70	13.78
	12M	6	2437.0	13.66	13.75
	18M	6	2437.0	13.64	13.73
	24M	6	2437.0	13.57	13.70
	36M	6	2437.0	13.55	13.64
	48M	6	2437.0	13.49	13.60
	54M	6	2437.0	13.45	13.58
IEEE 802.11n 2.4GHz 20MHz	6.5M	1	2412.0	12.08	12.45
		6	2437.0	12.25	12.52
		11	2462.0	12.06	12.35
	13M	6	2437.0	12.23	12.50
	19.5M	6	2437.0	12.19	12.47
	26M	6	2437.0	12.15	12.46
	39M	6	2437.0	12.11	12.43
	52M	6	2437.0	12.07	12.40
	58.5M	6	2437.0	12.06	12.38
	65M	6	2437.0	12.03	12.31
IEEE 802.11n 2.4GHz 40MHz	13.5M	3	2422.0	11.38	11.73
		6	2437.0	11.45	11.92
		9	2452.0	11.20	11.61
	27M	6	2437.0	11.42	11.90
	40.5M	6	2437.0	11.40	11.89
	54M	6	2437.0	11.34	11.87
	81M	6	2437.0	11.30	11.85
	108M	6	2437.0	11.27	11.81
	121.5M	6	2437.0	11.24	11.78
	135M	6	2437.0	11.19	11.72

Band	Date Rate	CH	Frequency (MHz)	Average Conducted power (dBm)	
				ANT-0	ANT-1
IEEE 802.11a	6M	36	5180.0	12.24	12.43
		40	5200.0	12.32	12.36
		44	5220.0	12.24	12.36
		48	5240.0	12.08	12.28
		52	5260.0	12.34	12.62
		56	5280.0	12.40	12.44
		60	5300.0	12.54	12.85
		64	5320.0	12.31	12.71
		100	5500.0	12.87	13.55
		104	5520.0	13.10	13.75
		108	5540.0	12.94	13.61
		112	5560.0	12.97	13.42
		116	5580.0	13.10	13.55
		120	5600.0	13.18	13.59
		124	5620.0	13.23	13.38
		128	5640.0	13.22	13.27
		132	5660.0	13.03	13.07
		136	5680.0	12.72	13.00
		140	5700.0	12.82	12.93
		149	5745.0	13.69	13.87
		153	5765.0	12.72	13.38
		157	5785.0	12.72	12.79
		161	5805.0	12.17	12.51
		165	5825.0	12.05	12.10
	54M	36	5180.0	12.21	12.39
		40	5200.0	12.28	12.31
		44	5220.0	12.22	12.35
		48	5240.0	12.04	12.21
		52	5260.0	12.31	12.60
		56	5280.0	12.35	12.42
		60	5300.0	12.48	12.79
		64	5320.0	12.28	12.67
		100	5500.0	12.83	13.51
		104	5520.0	13.04	13.71
		108	5540.0	12.87	13.57
		112	5560.0	12.93	13.36
		116	5580.0	13.02	13.53
		120	5600.0	13.08	13.54
		124	5620.0	13.16	13.34
		128	5640.0	13.18	13.22
		132	5660.0	12.99	13.01
		136	5680.0	12.63	12.93
		140	5700.0	12.76	12.85
		149	5745.0	13.61	13.85
		153	5765.0	12.71	13.33
		157	5785.0	12.66	12.77
		161	5805.0	12.16	12.43
		165	5825.0	12.03	12.06

Band	Date Rate	CH	Frequency (MHz)	Average Conducted power (dBm)	
				ANT-0	ANT-1
IEEE802.11n 5GHz 20MHz	6.5M	36	5180.0	10.50	10.67
		40	5200.0	10.48	10.68
		44	5220.0	10.49	10.59
		48	5240.0	10.48	10.52
		52	5260.0	10.46	10.79
		56	5280.0	10.47	10.59
		60	5300.0	10.46	10.72
		64	5320.0	10.51	10.60
		100	5500.0	11.52	11.98
		104	5520.0	11.70	11.92
		108	5540.0	11.52	11.94
		112	5560.0	11.95	11.98
		116	5580.0	11.85	12.00
		120	5600.0	11.45	11.58
		124	5620.0	11.27	11.37
		128	5640.0	10.94	11.12
		132	5660.0	10.68	11.11
		136	5680.0	10.53	10.71
		140	5700.0	10.50	10.58
		149	5745.0	11.19	11.40
		153	5765.0	11.04	11.21
		157	5785.0	10.47	10.55
		161	5805.0	10.45	10.59
		165	5825.0	10.49	10.58
	65M	36	5180.0	10.44	10.61
		40	5200.0	10.45	10.61
		44	5220.0	10.45	10.57
		48	5240.0	10.40	10.42
		52	5260.0	10.37	10.63
		56	5280.0	10.44	10.50
		60	5300.0	10.41	10.72
		64	5320.0	10.48	10.53
		100	5500.0	11.43	11.94
		104	5520.0	11.55	11.88
		108	5540.0	11.48	11.91
		112	5560.0	11.51	11.96
		116	5580.0	11.80	11.97
		120	5600.0	11.43	11.55
		124	5620.0	11.24	11.30
		128	5640.0	10.91	11.08
		132	5660.0	10.59	11.02
		136	5680.0	10.44	10.65
		140	5700.0	10.42	10.48
		149	5745.0	11.10	11.35
		153	5765.0	10.89	11.17
		157	5785.0	10.42	10.48
		161	5805.0	10.43	10.57
		165	5825.0	10.41	10.55

Band	DateRate	CH	Frequency (MHz)	AverageConductedpower (dBm)	
				ANT-0	ANT-1
IEEE802.11n 5GHz 40MHz	13.5M	38	5190.0	10.40	10.47
		46	5230.0	10.22	10.30
		54	5270.0	10.20	10.26
		62	5310.0	10.23	10.52
		102	5510.0	11.80	11.96
		110	5550.0	11.25	12.00
		118	5590.0	11.49	11.90
		126	5630.0	10.94	11.23
		134	5670.0	10.65	10.70
		151	5755.0	11.12	11.45
		159	5795.0	10.28	10.40
	135M	38	5190.0	10.27	10.30
		46	5230.0	10.15	10.18
		54	5270.0	10.16	10.22
		62	5310.0	10.20	10.43
		102	5510.0	11.38	11.90
		110	5550.0	11.20	11.93
		118	5590.0	11.44	11.90
		126	5630.0	10.81	11.20
		134	5670.0	10.58	10.62
		151	5755.0	10.95	11.35
		159	5795.0	10.22	10.32

4. TestResult

ANT-0

Band	Data Rate	Frequency (MHz)	Limit (mw/cm^2)	Distance (cm) [R]	Max Tune-up power (dBm) [P]	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	[P] x [G] With Duty Cycle (mW) [TP]	Power Density [S] (mw/cm^2)
IEEE802.11b	1M	2412.0	1	20	16	1.95	1.57	1	62.50	0.012
		2437.0	1	20	16	1.95	1.57	1	62.50	0.012
		2462.0	1	20	16	1.95	1.57	1	62.50	0.012
IEEE802.11g	6M	2412.0	1	20	15	1.95	1.57	1	49.65	0.010
		2437.0	1	20	15	1.95	1.57	1	49.65	0.010
		2462.0	1	20	15	1.95	1.57	1	49.65	0.010
IEEE802.11n 2.4GHz 20MHz	6.5M	2412.0	1	20	14	1.95	1.57	1	39.44	0.008
		2437.0	1	20	14	1.95	1.57	1	39.44	0.008
		2462.0	1	20	14	1.95	1.57	1	39.44	0.008
IEEE802.11n 2.4GHz 40MHz	13.5M	2422.0	1	20	13	1.95	1.57	1	31.33	0.006
		2437.0	1	20	13	1.95	1.57	1	31.33	0.006
		2452.0	1	20	13	1.95	1.57	1	31.33	0.006
IEEE802.11a	6M	5180.0	1	20	14	2.01	1.59	1	39.94	0.008
		5200.0	1	20	14	2.01	1.59	1	39.94	0.008
		5220.0	1	20	14	2.01	1.59	1	39.94	0.008
		5240.0	1	20	14	2.01	1.59	1	39.94	0.008
		5260.0	1	20	14	3.00	2.00	1	50.24	0.010
		5280.0	1	20	14	3.00	2.00	1	50.24	0.010
		5300.0	1	20	14	3.00	2.00	1	50.24	0.010
		5320.0	1	20	14	3.00	2.00	1	50.24	0.010
		5500.0	1	20	14	3.15	2.07	1	52.00	0.010
		5520.0	1	20	14	3.15	2.07	1	52.00	0.010
		5540.0	1	20	14	3.15	2.07	1	52.00	0.010
		5560.0	1	20	14	3.15	2.07	1	52.00	0.010
		5580.0	1	20	14	3.15	2.07	1	52.00	0.010
		5600.0	1	20	14	3.15	2.07	1	52.00	0.010
		5620.0	1	20	14	3.15	2.07	1	52.00	0.010
		5640.0	1	20	14	3.15	2.07	1	52.00	0.010
		5660.0	1	20	14	3.15	2.07	1	52.00	0.010
		5680.0	1	20	14	3.15	2.07	1	52.00	0.010
		5700.0	1	20	14	3.15	2.07	1	52.00	0.010
		5745.0	1	20	14	4.03	2.53	1	63.55	0.013
		5765.0	1	20	14	4.03	2.53	1	63.55	0.013
		5785.0	1	20	14	4.03	2.53	1	63.55	0.013
		5805.0	1	20	14	4.03	2.53	1	63.55	0.013
		5825.0	1	20	14	4.03	2.53	1	63.55	0.013

Note: 1.The Numeric Gain calculated by 10^(ant. Gain(dBi)

2. The device operating mode is Diversity with transmit signals to 1TX.

Band	Data Rate	Frequency (MHz)	Limit (mw/cm^2)	Distance (cm) [R]	Max Tune-up power (dBm) [P]	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	[P] x [G] With Duty Cycle (mW) [TP]	Power Density [S] (mw/cm^2)
IEEE802.11n 5GHz 20MHz	6.5M	5180.0	1	20	12	2.01	1.59	1	25.20	0.005
		5200.0	1	20	12	2.01	1.59	1	25.20	0.005
		5220.0	1	20	12	2.01	1.59	1	25.20	0.005
		5240.0	1	20	12	2.01	1.59	1	25.20	0.005
		5260.0	1	20	12	3.00	2.00	1	31.70	0.006
		5280.0	1	20	12	3.00	2.00	1	31.70	0.006
		5300.0	1	20	12	3.00	2.00	1	31.70	0.006
		5320.0	1	20	12	3.00	2.00	1	31.70	0.006
		5500.0	1	20	12	3.15	2.07	1	32.81	0.007
		5520.0	1	20	12	3.15	2.07	1	32.81	0.007
		5540.0	1	20	12	3.15	2.07	1	32.81	0.007
		5560.0	1	20	12	3.15	2.07	1	32.81	0.007
		5580.0	1	20	12	3.15	2.07	1	32.81	0.007
		5600.0	1	20	12	3.15	2.07	1	32.81	0.007
		5620.0	1	20	12	3.15	2.07	1	32.81	0.007
		5640.0	1	20	12	3.15	2.07	1	32.81	0.007
		5660.0	1	20	12	3.15	2.07	1	32.81	0.007
		5680.0	1	20	12	3.15	2.07	1	32.81	0.007
		5700.0	1	20	12	3.15	2.07	1	32.81	0.007
		5745.0	1	20	12	4.03	2.53	1	40.10	0.008
		5765.0	1	20	12	4.03	2.53	1	40.10	0.008
		5785.0	1	20	12	4.03	2.53	1	40.10	0.008
		5805.0	1	20	12	4.03	2.53	1	40.10	0.008
		5825.0	1	20	12	4.03	2.53	1	40.10	0.008
IEEE802.11n 5GHz 40MHz	13.5M	5190.0	1	20	12	2.01	1.59	1	25.20	0.005
		5230.0	1	20	12	2.01	1.59	1	25.20	0.005
		5270.0	1	20	12	3.00	2.00	1	31.70	0.006
		5310.0	1	20	12	3.00	2.00	1	31.70	0.006
		5510.0	1	20	12	3.15	2.07	1	32.81	0.007
		5550.0	1	20	12	3.15	2.07	1	32.81	0.007
		5590.0	1	20	12	3.15	2.07	1	32.81	0.007
		5630.0	1	20	12	3.15	2.07	1	32.81	0.007
		5670.0	1	20	12	3.15	2.07	1	32.81	0.007
		5755.0	1	20	12	4.03	2.53	1	40.10	0.008
		5795.0	1	20	12	4.03	2.53	1	40.10	0.008

Note: 1.The Numeric Gain calculated by 10^(ant. Gain(dBi)

2. The device operating mode is Diversity with transmit signals to 1TX.

ANT-1

Band	Data Rate	Frequency (MHz)	Limit (mw/cm^2)	Distance (cm) [R]	Max Tune-up power (dBm) [P]	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	[P] x [G] With Duty Cycle (mW) [TP]	Power Density [S] (mw/cm^2)
IEEE802.11b	1M	2412.0	1	20	16	2.27	1.69	1	67.28	0.013
		2437.0	1	20	16	2.27	1.69	1	67.28	0.013
		2462.0	1	20	16	2.27	1.69	1	67.28	0.013
IEEE802.11g	6M	2412.0	1	20	15	2.27	1.69	1	53.44	0.011
		2437.0	1	20	15	2.27	1.69	1	53.44	0.011
		2462.0	1	20	15	2.27	1.69	1	53.44	0.011
IEEE802.11n 2.4GHz 20MHz	6.5M	2412.0	1	20	14	2.27	1.69	1	42.45	0.008
		2437.0	1	20	14	2.27	1.69	1	42.45	0.008
		2462.0	1	20	14	2.27	1.69	1	42.45	0.008
IEEE802.11n 2.4GHz 40MHz	13.5M	2422.0	1	20	13	2.27	1.69	1	33.72	0.007
		2437.0	1	20	13	2.27	1.69	1	33.72	0.007
		2452.0	1	20	13	2.27	1.69	1	33.72	0.007
IEEE802.11a	6M	5180.0	1	20	14	2.84	1.92	1	48.23	0.010
		5200.0	1	20	14	2.84	1.92	1	48.23	0.010
		5220.0	1	20	14	2.84	1.92	1	48.23	0.010
		5240.0	1	20	14	2.84	1.92	1	48.23	0.010
		5260.0	1	20	14	2.90	1.95	1	48.98	0.010
		5280.0	1	20	14	2.90	1.95	1	48.98	0.010
		5300.0	1	20	14	2.90	1.95	1	48.98	0.010
		5320.0	1	20	14	2.90	1.95	1	48.98	0.010
		5500.0	1	20	14	4.95	3.13	1	78.62	0.016
		5520.0	1	20	14	4.95	3.13	1	78.62	0.016
		5540.0	1	20	14	4.95	3.13	1	78.62	0.016
		5560.0	1	20	14	4.95	3.13	1	78.62	0.016
		5580.0	1	20	14	4.95	3.13	1	78.62	0.016
		5600.0	1	20	14	4.95	3.13	1	78.62	0.016
		5620.0	1	20	14	4.95	3.13	1	78.62	0.016
		5640.0	1	20	14	4.95	3.13	1	78.62	0.016
		5660.0	1	20	14	4.95	3.13	1	78.62	0.016
		5680.0	1	20	14	4.95	3.13	1	78.62	0.016
		5700.0	1	20	14	4.95	3.13	1	78.62	0.016
		5745.0	1	20	14	5.48	3.53	1	88.67	0.018
		5765.0	1	20	14	5.48	3.53	1	88.67	0.018
		5785.0	1	20	14	5.48	3.53	1	88.67	0.018
		5805.0	1	20	14	5.48	3.53	1	88.67	0.018
		5825.0	1	20	14	5.48	3.53	1	88.67	0.018

Note: 1.The Numeric Gain calculated by 10^(ant. Gain(dBi)

2. The device operating mode is Diversity with transmit signals to 1TX.

Band	Data Rate	Frequency (MHz)	Limit (mw/cm^2)	Distance (cm) [R]	Max Tune-up power (dBm) [P]	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	[P] x [G] With Duty Cycle (mW) [TP]	Power Density [S] (mw/cm^2)
IEEE802.11n 5GHz 20MHz	6.5M	5180.0	1	20	12	2.84	1.92	1	30.43	0.006
		5200.0	1	20	12	2.84	1.92	1	30.43	0.006
		5220.0	1	20	12	2.84	1.92	1	30.43	0.006
		5240.0	1	20	12	2.84	1.92	1	30.43	0.006
		5260.0	1	20	12	2.90	1.95	1	30.91	0.006
		5280.0	1	20	12	2.90	1.95	1	30.91	0.006
		5300.0	1	20	12	2.90	1.95	1	30.91	0.006
		5320.0	1	20	12	2.90	1.95	1	30.91	0.006
		5500.0	1	20	12	4.95	3.13	1	49.61	0.010
		5520.0	1	20	12	4.95	3.13	1	49.61	0.010
		5540.0	1	20	12	4.95	3.13	1	49.61	0.010
		5560.0	1	20	12	4.95	3.13	1	49.61	0.010
		5580.0	1	20	12	4.95	3.13	1	49.61	0.010
		5600.0	1	20	12	4.95	3.13	1	49.61	0.010
		5620.0	1	20	12	4.95	3.13	1	49.61	0.010
		5640.0	1	20	12	4.95	3.13	1	49.61	0.010
		5660.0	1	20	12	4.95	3.13	1	49.61	0.010
		5680.0	1	20	12	4.95	3.13	1	49.61	0.010
		5700.0	1	20	12	4.95	3.13	1	49.61	0.010
		5745.0	1	20	12	5.48	3.53	1	55.95	0.011
		5765.0	1	20	12	5.48	3.53	1	55.95	0.011
		5785.0	1	20	12	5.48	3.53	1	55.95	0.011
		5805.0	1	20	12	5.48	3.53	1	55.95	0.011
		5825.0	1	20	12	5.48	3.53	1	55.95	0.011
IEEE802.11n 5GHz 40MHz	13.5M	5190.0	1	20	12	2.84	1.92	1	30.43	0.006
		5230.0	1	20	12	2.84	1.92	1	30.43	0.006
		5270.0	1	20	12	2.90	1.95	1	30.91	0.006
		5310.0	1	20	12	2.90	1.95	1	30.91	0.006
		5510.0	1	20	12	4.95	3.13	1	49.61	0.010
		5550.0	1	20	12	4.95	3.13	1	49.61	0.010
		5590.0	1	20	12	4.95	3.13	1	49.61	0.010
		5630.0	1	20	12	4.95	3.13	1	49.61	0.010
		5670.0	1	20	12	4.95	3.13	1	49.61	0.010
		5755.0	1	20	12	5.48	3.53	1	55.95	0.011
		5795.0	1	20	12	5.48	3.53	1	55.95	0.011

Note: 1.The Numeric Gain calculated by 10^(ant. Gain(dBi)

2. The device operating mode is Diversity with transmit signals to 1TX.