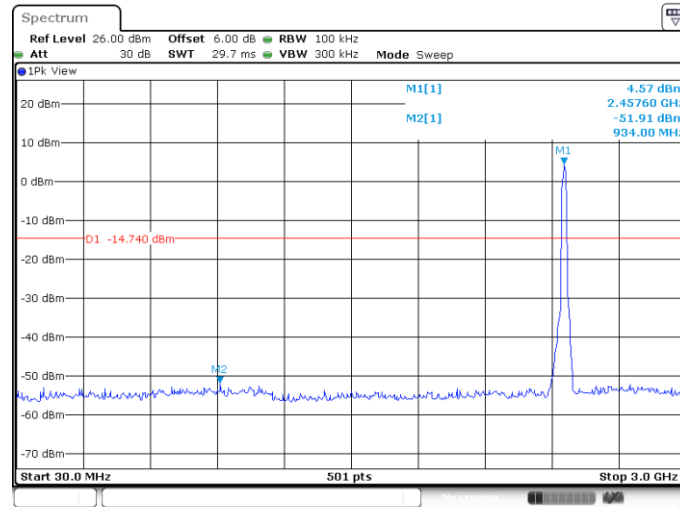


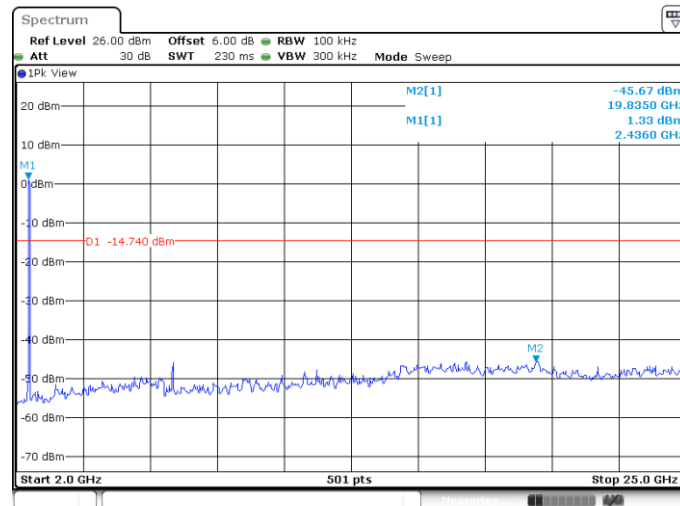


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Date: 28 JUN 2022 11:49:40

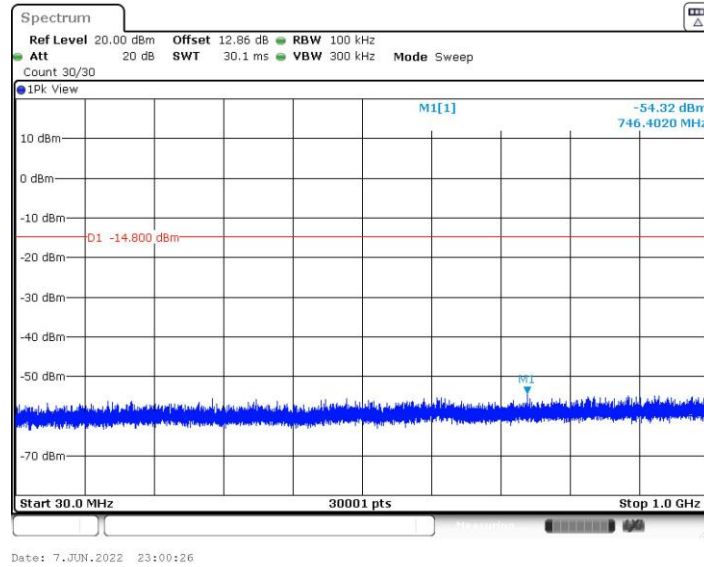
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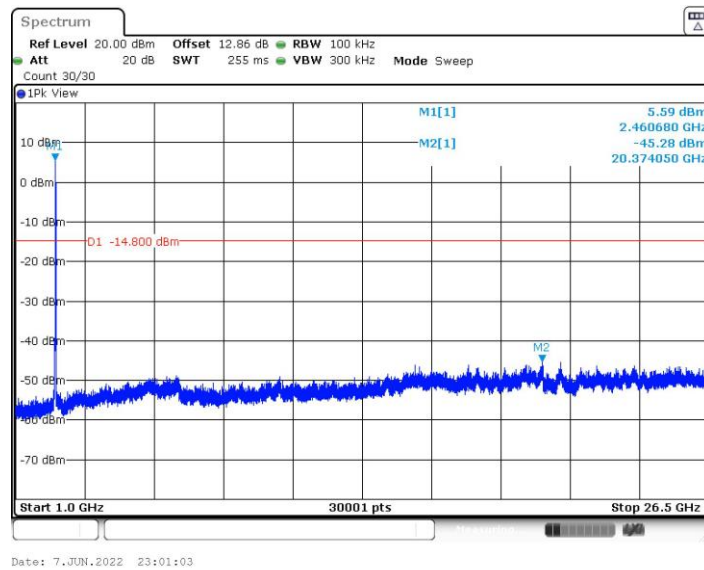
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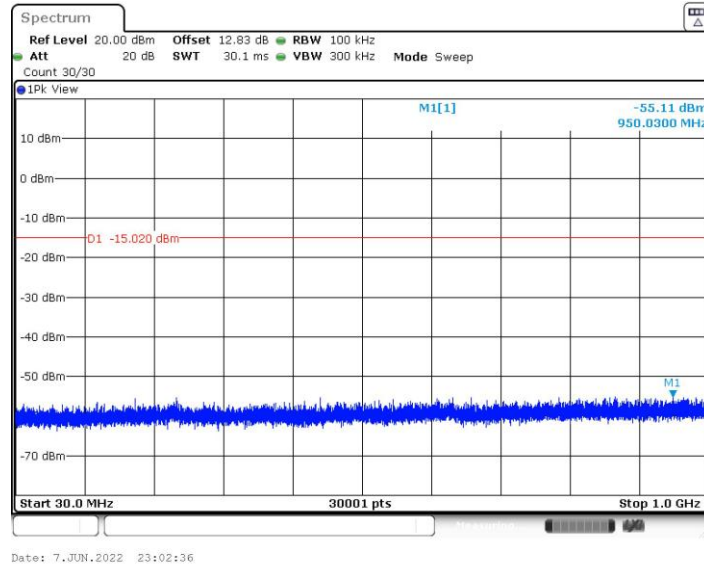


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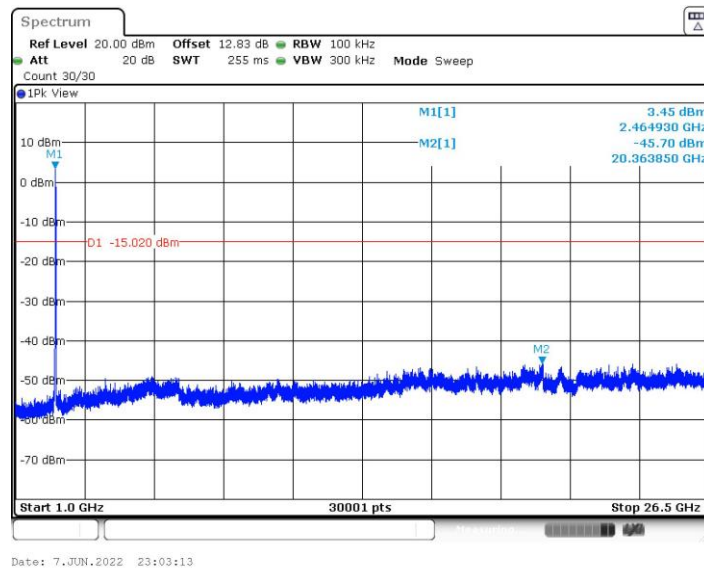




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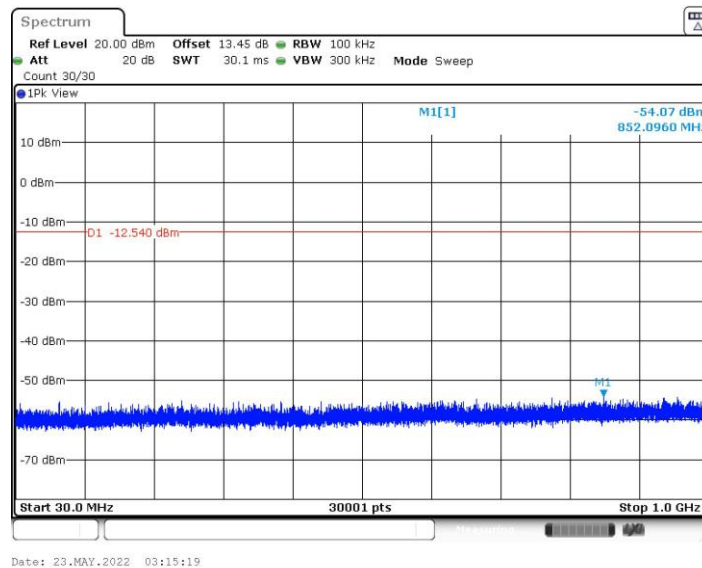
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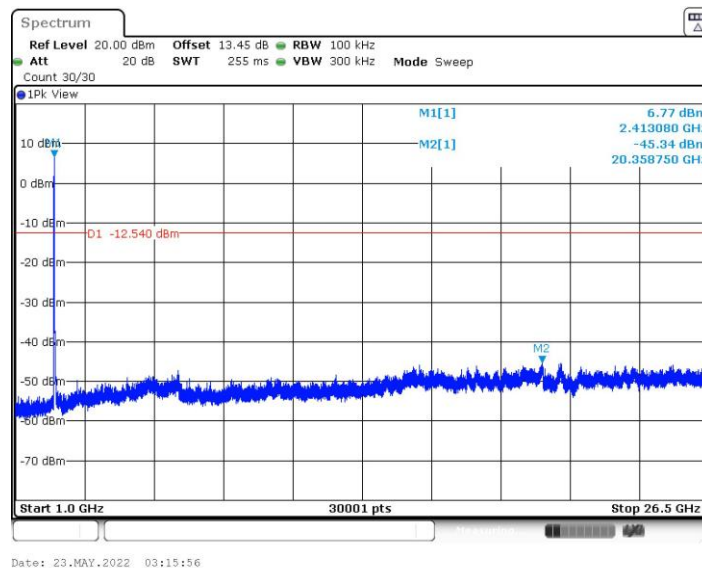


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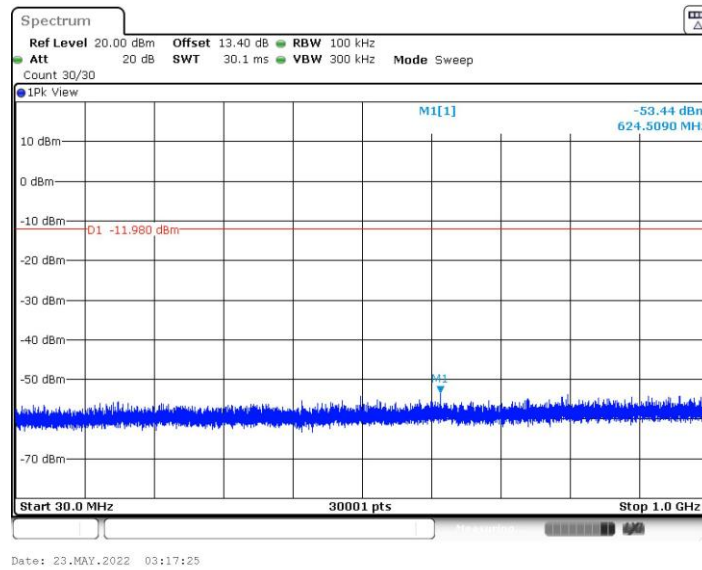


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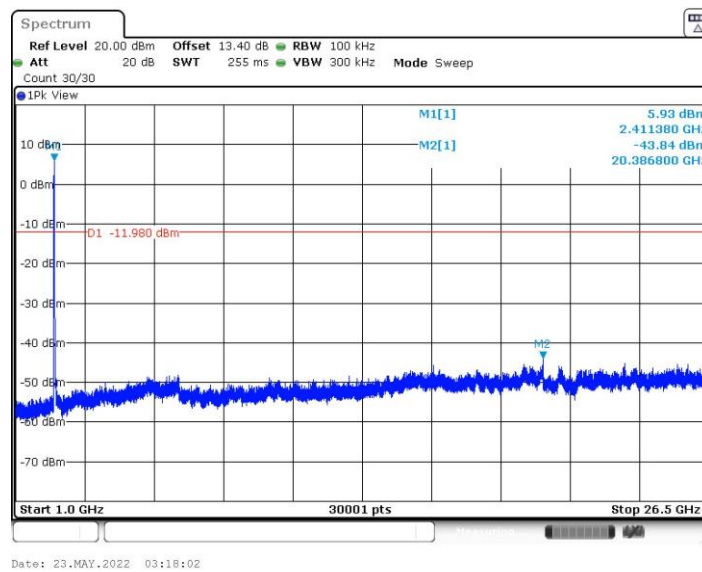




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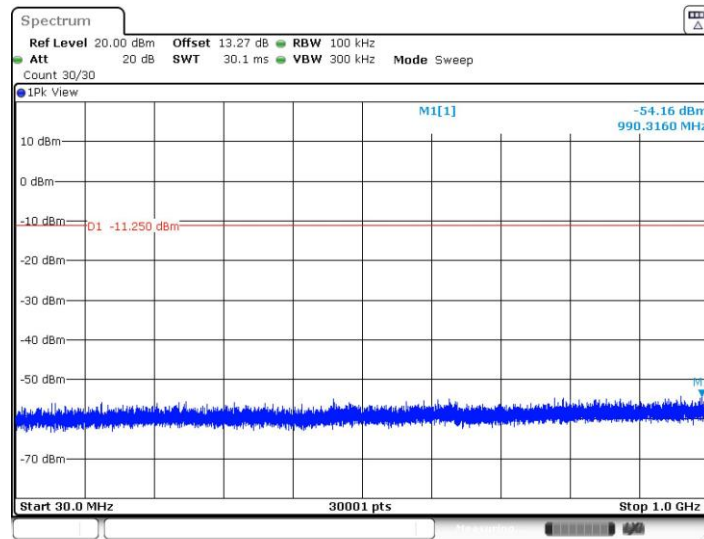


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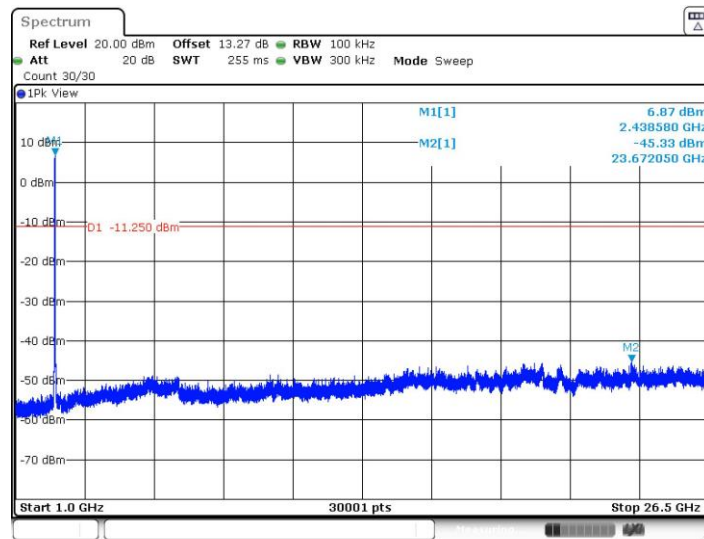




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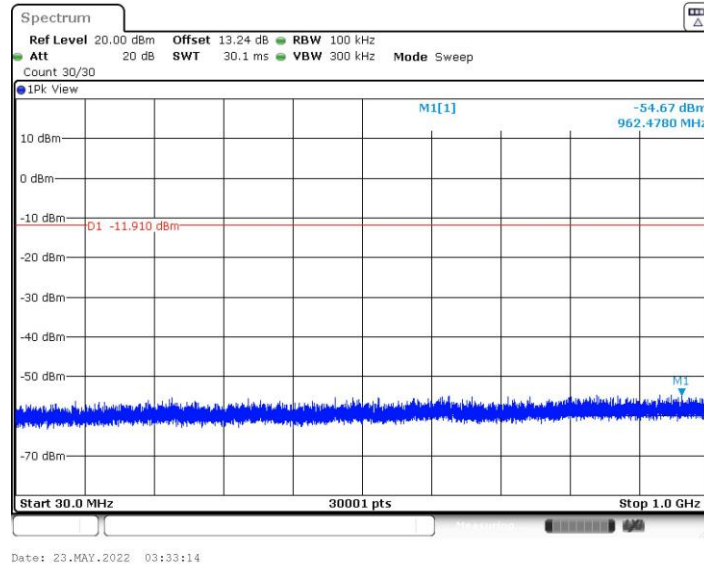


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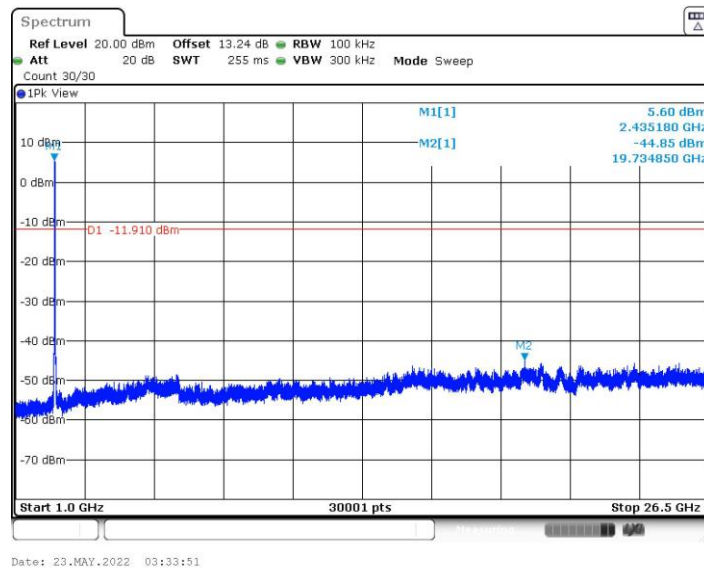




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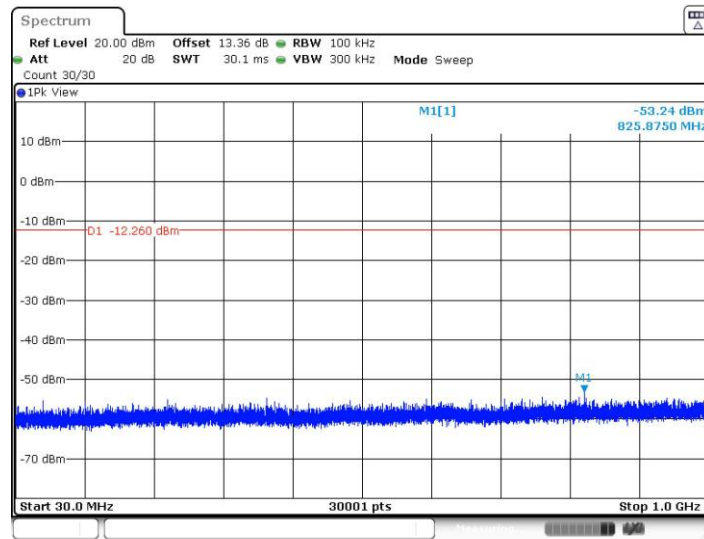


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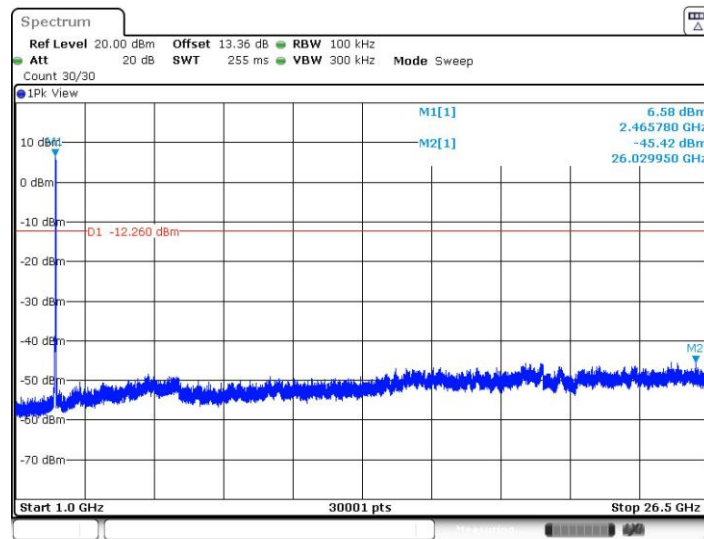


11AX20MIMO_Ant1_2462_30~1000



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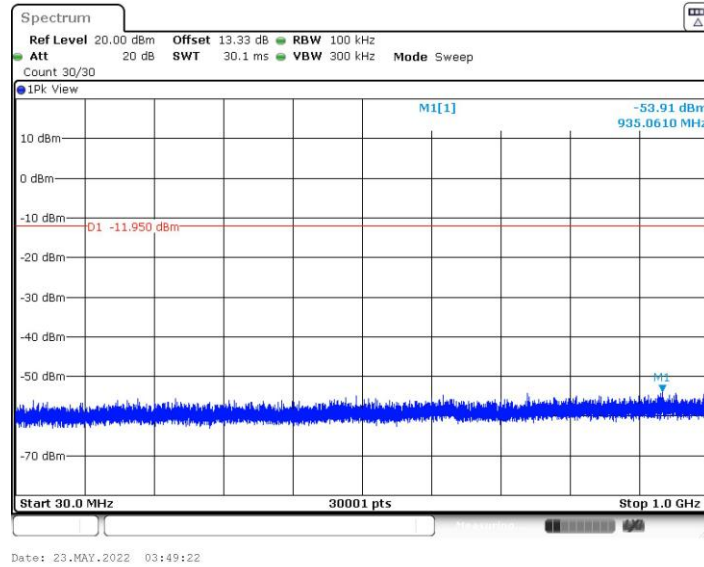
11AX20MIMO_Ant1_2462_1000~26500



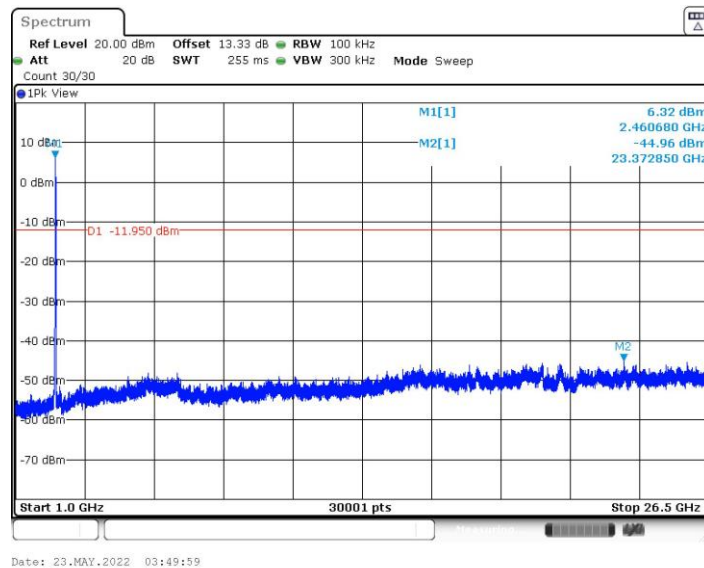
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11AX20MIMO_Ant2_2462_30~1000



11AX20MIMO_Ant2_2462_1000~26500



3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/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

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

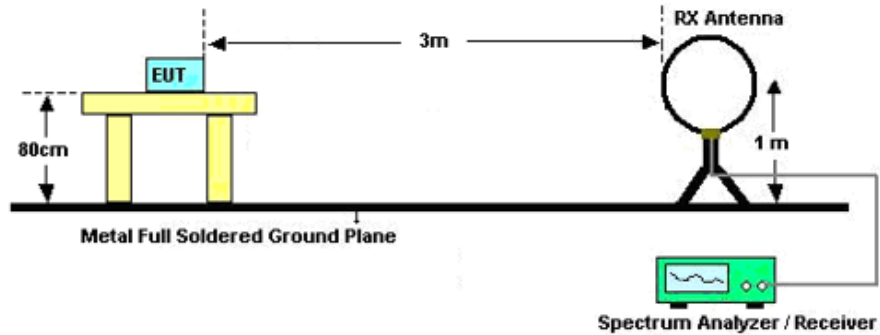
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

For average measurement for Tx Beamforming mode:

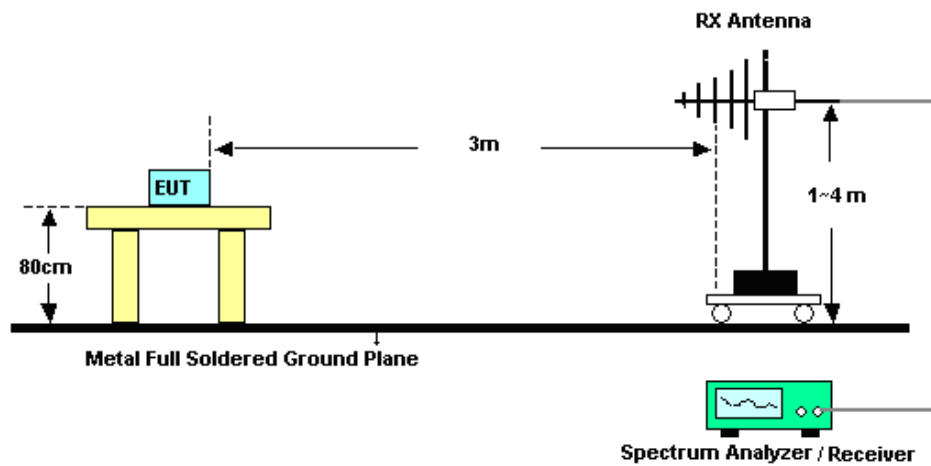
 - RBW = 1 MHz, VBW= 3MHz
 - Detector = RMS.
 - If power averaging (rms) mode was used, then the applicable correction factor is $[10 \log (1 / D)]$, where D is the duty cycle.

3.5.4 Test Setup

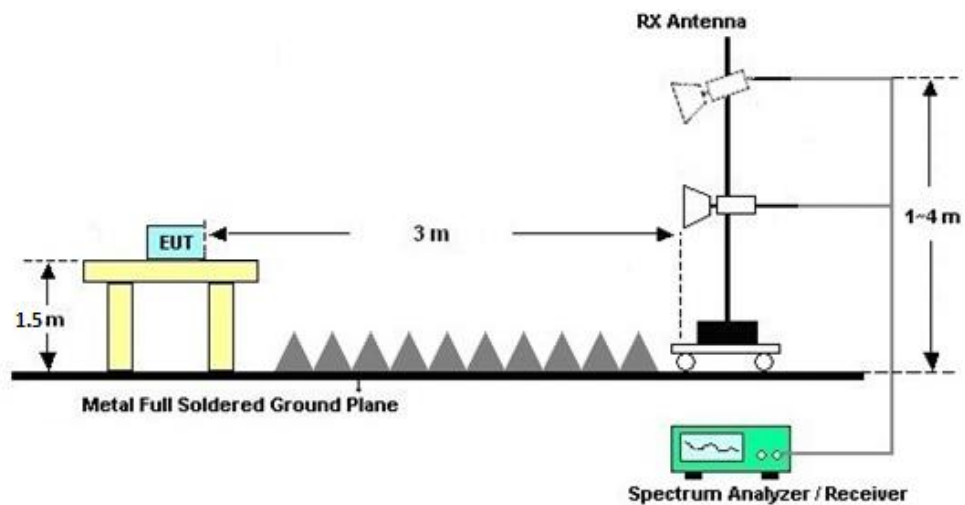
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



**3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B&C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix B&C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment 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.

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

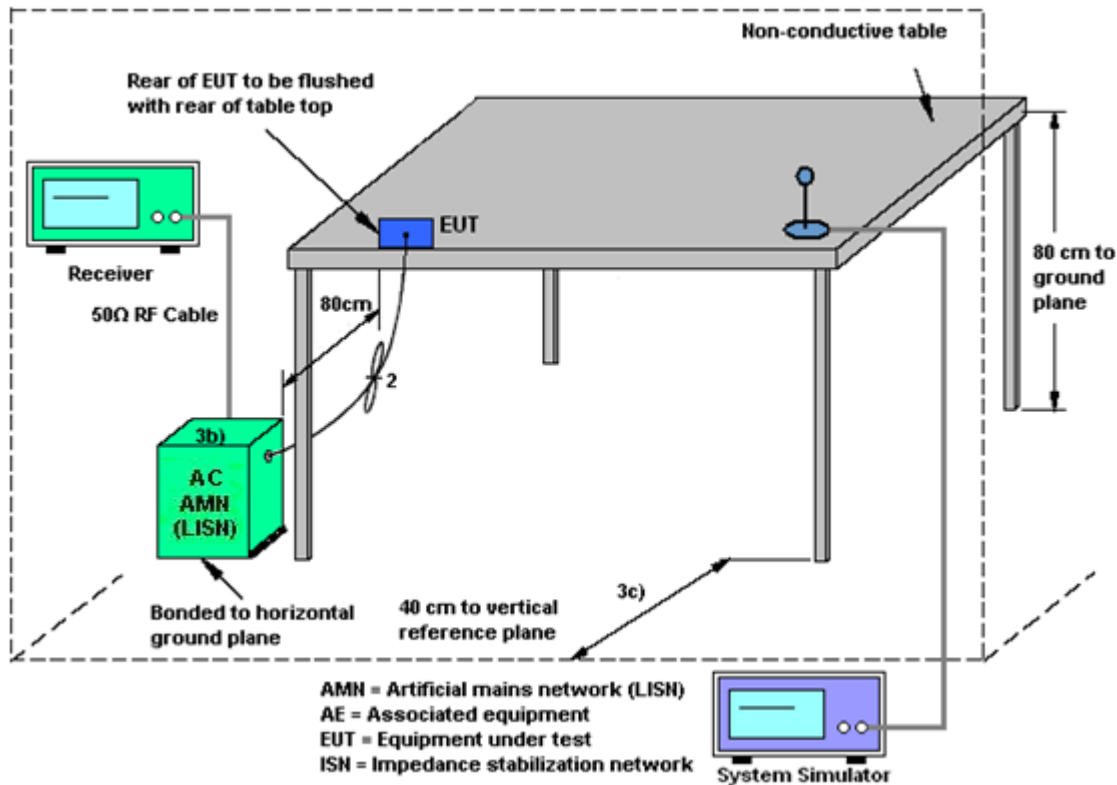
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
2.4 GHz	0.90	1.20	1.20	4.06	0.00	0.00

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$

TXBF modes

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant 1 (dBi)	Ant 2 (dBi)				
2.4 GHz	0.90	1.20	4.06	4.06	0.00	0.00

$$\text{Power Limit Reduction} = DG(\text{Power}) - 6\text{dBi}, (\text{min} = 0)$$

$$\text{PSD Limit Reduction} = DG(\text{PSD}) - 6\text{dBi}, (\text{min} = 0)$$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021	May 20, 2022~Jul. 08, 2022	Oct. 13, 2022	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 05, 2022	May 20, 2022~Jul. 08, 2022	Jan. 04, 2023	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 05, 2022	May 20, 2022~Jul. 08, 2022	Jan. 04, 2023	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 16, 2021	Jul. 17, 2022	Oct. 15, 2022	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz~44GHz, MAX 30dB	Mar. 24, 2022	Jul. 17, 2022	Mar. 23, 2023	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Jul. 17, 2022	Oct. 29, 2022	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz~1GHz	Jun. 03, 2022	Jul. 17, 2022	Jun. 02, 2023	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 08, 2021	Jul. 17, 2022	Nov. 07, 2022	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Jul. 17, 2022	Jan. 04, 2023	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	380826	9KHz~1GHz	Jul. 11, 2022	Jul. 17, 2022	Jul. 10, 2023	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Jul. 17, 2022	Jan. 04, 2023	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1Ghz~18Ghz	Oct. 16, 2021	Jul. 17, 2022	Oct. 15, 2022	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 16, 2021	Jul. 17, 2022	Oct. 15, 2022	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jul. 17, 2022	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jul. 17, 2022	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jul. 17, 2022	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz;	Apr. 20, 2022	Jul. 26, 2022	Apr. 19, 2023	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Jul. 26, 2022	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr. 20, 2022	Jul. 26, 2022	Apr. 19, 2023	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Jul. 26, 2022	Oct. 13, 2022	Conduction (CO01-KS)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	± 0.56 dB
Conducted Emissions	± 0.92 dB
Occupied Channel Bandwidth	± 0.03 %
Conducted Power Spectral Density	± 0.54 dB

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.94dB
---	--------

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB
---	-------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB
---	-------

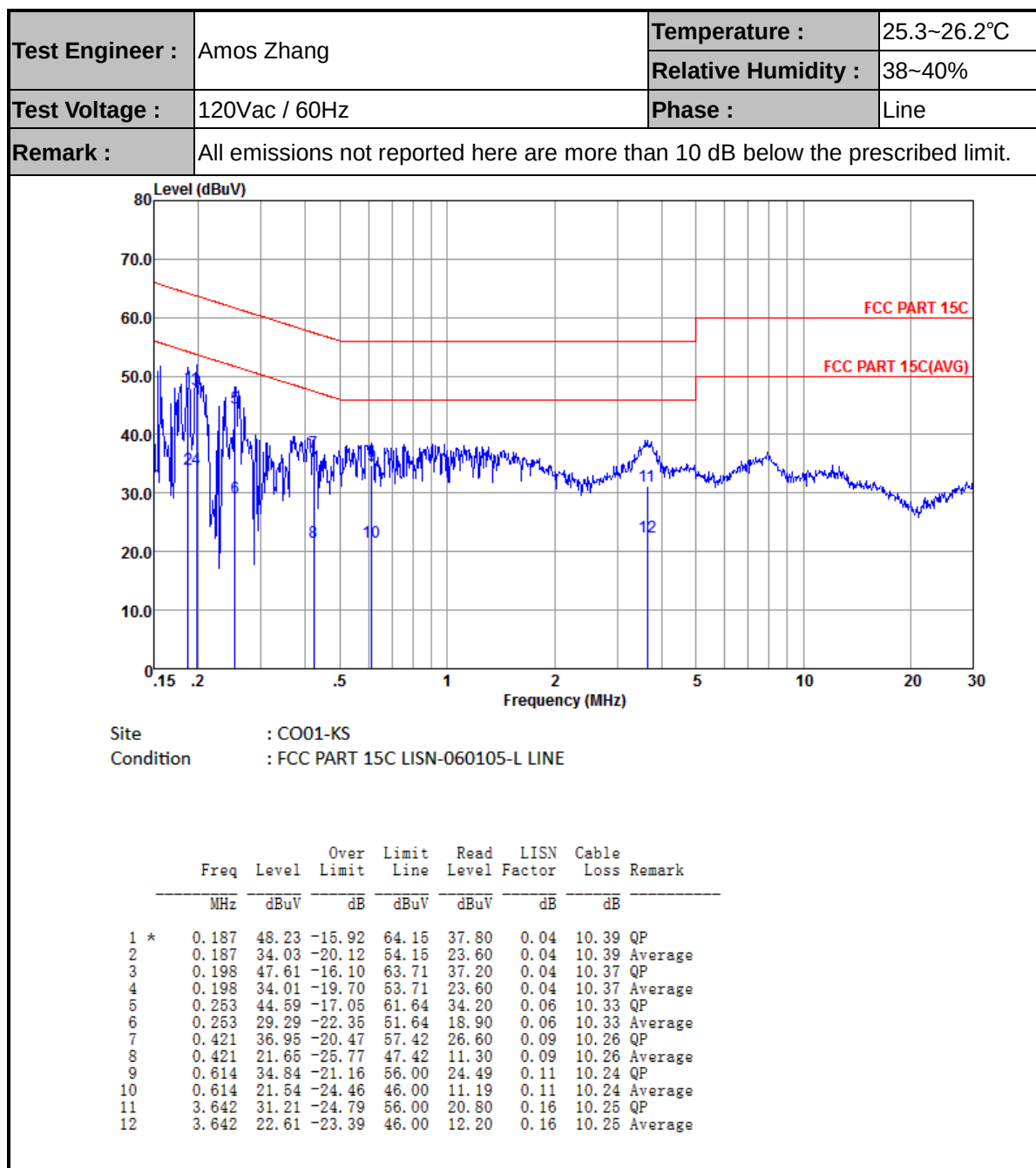
Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB
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----- THE END -----

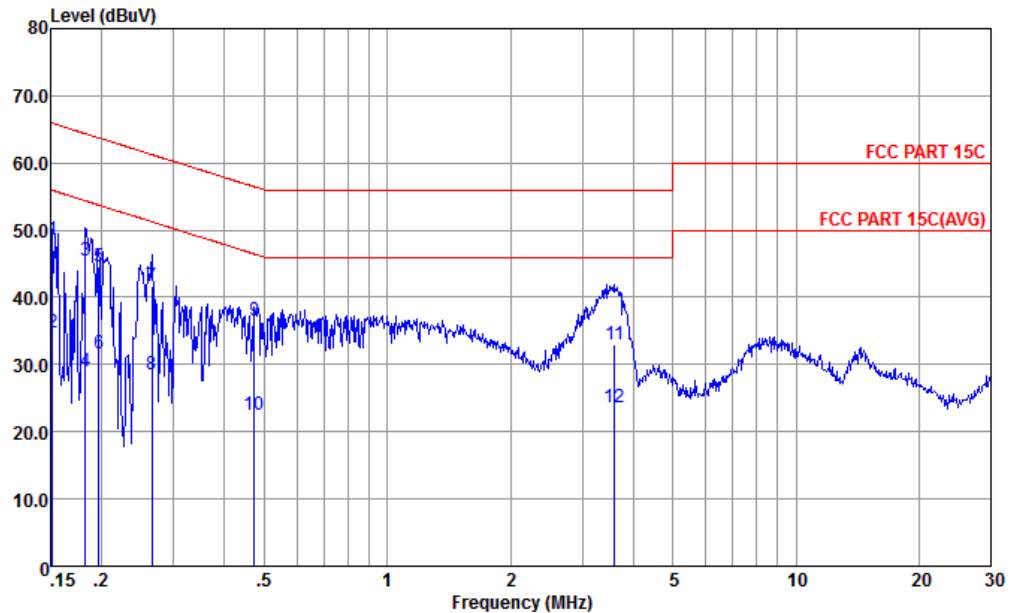


Appendix A. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC PART 15C LISN-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1 *	0.152	48.49	-17.42	65.91	37.90	0.11	10.48	QP
2	0.152	34.69	-21.22	55.91	24.10	0.11	10.48	Average
3	0.182	45.40	-18.97	64.37	34.90	0.10	10.40	QP
4	0.182	29.00	-25.37	54.37	18.50	0.10	10.40	Average
5	0.197	44.57	-19.19	63.76	34.10	0.10	10.37	QP
6	0.197	31.67	-22.09	53.76	21.20	0.10	10.37	Average
7	0.266	41.62	-19.63	61.25	31.20	0.10	10.32	QP
8	0.266	28.62	-22.63	51.25	18.20	0.10	10.32	Average
9	0.474	36.55	-19.90	56.45	26.20	0.11	10.24	QP
10	0.474	22.55	-23.90	46.45	12.20	0.11	10.24	Average
11	3.603	33.01	-22.99	56.00	22.60	0.16	10.25	QP
12	3.603	23.71	-22.29	46.00	13.30	0.16	10.25	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix B. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2389.56	52.01	-21.99	74	48.89	32.88	7.1	36.86	391	63	P	H
		2389.95	42.11	-11.89	54	38.99	32.88	7.1	36.86	391	63	A	H
		2414	108.65	-	-	105.47	32.9	7.13	36.85	391	63	P	H
		2412	106.44	-	-	103.26	32.9	7.13	36.85	391	63	A	H
		2389.95	54.02	-19.98	74	50.9	32.88	7.1	36.86	100	288	P	V
		2389.95	47.29	-6.71	54	44.17	32.88	7.1	36.86	100	288	A	V
		2412	112.35	-	-	109.17	32.9	7.13	36.85	100	288	P	V
		2412	110.37	-	-	107.19	32.9	7.13	36.85	100	288	A	V
802.11b CH 06 2437MHz		2386.18	48.97	-25.03	74	45.85	32.88	7.1	36.86	273	129	P	H
		2388.26	39.27	-14.73	54	36.15	32.88	7.1	36.86	273	129	A	H
	*	2436	109.14	-	-	105.88	32.92	7.19	36.85	273	129	P	H
	*	2436	106.38	-	-	103.12	32.92	7.19	36.85	273	129	A	H
		2485.36	54.35	-19.65	74	50.94	32.98	7.25	36.82	273	129	P	H
		2485.48	46.45	-7.55	54	43.04	32.98	7.25	36.82	273	129	A	H
		2371.75	49.12	-24.88	74	46.06	32.86	7.07	36.87	100	287	P	V
		2389.95	38.91	-15.09	54	35.79	32.88	7.1	36.86	100	287	A	V
	*	2436	111.54	-	-	108.28	32.92	7.19	36.85	100	287	P	V
	*	2436	109.18	-	-	105.92	32.92	7.19	36.85	100	287	A	V
		2485.48	55.67	-18.33	74	52.26	32.98	7.25	36.82	100	287	P	V
		2485.36	49.21	-4.79	54	45.8	32.98	7.25	36.82	100	287	A	V



802.11b CH 11 2462MHz	*	2462	108.14	-	-	104.79	32.96	7.22	36.83	366	132	P	H
	*	2460	105.76	-	-	102.41	32.96	7.22	36.83	366	132	A	H
		2484.7	55.38	-18.62	74	51.97	32.98	7.25	36.82	366	131	P	H
		2485.66	51.08	-2.92	54	47.67	32.98	7.25	36.82	366	131	A	H
	*	2462	109.97	-	-	106.62	32.96	7.22	36.83	100	251	P	V
	*	2460	106.9	-	-	103.55	32.96	7.22	36.83	100	251	A	V
		2483.5	56.28	-17.72	74	52.87	32.98	7.25	36.82	100	251	P	V
		2483.5	52.35	-1.65	54	48.94	32.98	7.25	36.82	100	251	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4830	40.24	-33.76	74	61.17	34.2	10.25	65.38	300	0	P	H
		4830	40.83	-33.17	74	61.76	34.2	10.25	65.38	100	0	P	V
802.11b CH 06 2437MHz		4875	42.06	-31.94	74	62.96	34.23	10.29	65.42	300	0	P	H
		7305	48.41	-25.59	74	65.74	35.86	12.72	65.91	300	0	P	H
		4875	40.71	-33.29	74	61.61	34.23	10.29	65.42	100	0	P	V
		7305	46.09	-27.91	74	63.42	35.86	12.72	65.91	100	0	P	V
802.11b CH 11 2462MHz		4920	40.37	-33.63	74	61.22	34.26	10.34	65.45	300	0	P	H
		7380	45.33	-28.67	74	62.83	35.88	12.73	66.11	300	0	P	H
		4920	41	-33	74	61.85	34.26	10.34	65.45	100	0	P	V
		7380	44.08	-29.92	74	61.58	35.88	12.73	66.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2389.95	62.37	-11.63	74	59.25	32.88	7.1	36.86	334	123	P	H
		2389.95	49.14	-4.86	54	46.02	32.88	7.1	36.86	334	123	A	H
	*	2412	108.72	-	-	105.54	32.9	7.13	36.85	334	123	P	H
	*	2412	101.45	-	-	98.27	32.9	7.13	36.85	334	123	A	H
		2389.95	58.44	-15.56	74	55.32	32.88	7.1	36.86	100	287	P	V
		2389.95	47.06	-6.94	54	43.94	32.88	7.1	36.86	100	287	A	V
	*	2416	110.31	-	-	107.1	32.9	7.16	36.85	100	287	P	V
	*	2414	103.08	-	-	99.9	32.9	7.13	36.85	100	287	A	V
802.11g CH 06 2437MHz		2355.37	49.38	-24.62	74	46.39	32.83	7.04	36.88	292	121	P	H
		2389.95	39.08	-14.92	54	35.96	32.88	7.1	36.86	292	121	A	H
	*	2436	108.75	-	-	105.49	32.92	7.19	36.85	292	121	P	H
	*	2436	102.34	-	-	99.08	32.92	7.19	36.85	292	121	A	H
		2483.74	55.88	-18.12	74	52.47	32.98	7.25	36.82	292	121	P	H
		2483.68	44.59	-9.41	54	41.18	32.98	7.25	36.82	292	121	A	H
		2389.95	51.86	-22.14	74	48.74	32.88	7.1	36.86	130	96	P	V
		2389.95	39.45	-14.55	54	36.33	32.88	7.1	36.86	130	96	A	V
	*	2438	110.22	-	-	106.93	32.94	7.19	36.84	130	96	P	V
	*	2438	103.24	-	-	99.95	32.94	7.19	36.84	130	96	A	V
		2483.5	56.18	-17.82	74	52.77	32.98	7.25	36.82	130	96	P	V
		2483.5	43.22	-10.78	54	39.81	32.98	7.25	36.82	130	96	A	V



802.11g CH 10 2457MHz		2483.62	69.61	-4.39	74	66.2	32.98	7.25	36.82	300	16	P	H
		2483.56	50.39	-3.61	54	46.98	32.98	7.25	36.82	300	16	A	H
	*	2458	106.52	-	-	103.17	32.96	7.22	36.83	300	16	P	H
	*	2458	99.52	-	-	96.17	32.96	7.22	36.83	300	16	A	H
		2485.3	68.95	-5.05	74	65.54	32.98	7.25	36.82	100	2	P	V
		2484.88	51.08	-2.92	54	47.67	32.98	7.25	36.82	100	2	A	V
	*	2456	109.29	-	-	105.94	32.96	7.22	36.83	100	2	P	V
	*	2456	102.92	-	-	99.57	32.96	7.22	36.83	100	2	A	V
802.11g CH 11 2462MHz	*	2462	106.74	-	-	103.39	32.96	7.22	36.83	301	15	P	H
	*	2462	98.96	-	-	95.61	32.96	7.22	36.83	301	15	A	H
		2484.04	65.8	-8.2	74	62.39	32.98	7.25	36.82	301	15	P	H
		2483.5	49.51	-4.49	54	46.1	32.98	7.25	36.82	301	15	A	H
	*	2462	107.19	-	-	103.84	32.96	7.22	36.83	146	95	P	V
	*	2462	100.87	-	-	97.52	32.96	7.22	36.83	146	95	A	V
		2483.98	70.05	-3.95	74	66.64	32.98	7.25	36.82	146	95	P	V
		2483.5	52.53	-1.47	54	49.12	32.98	7.25	36.82	146	95	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4830	40.89	-33.11	74	61.82	34.2	10.25	65.38	300	0	P	H
		4830	40.78	-33.22	74	61.71	34.2	10.25	65.38	100	0	P	V
802.11g CH 06 2437MHz		4875	41.23	-32.77	74	62.13	34.23	10.29	65.42	300	0	P	H
		7305	46.17	-27.83	74	63.5	35.86	12.72	65.91	300	0	P	H
		4875	41.15	-32.85	74	62.05	34.23	10.29	65.42	100	0	P	V
		7305	43.32	-30.68	74	60.65	35.86	12.72	65.91	100	0	P	V
802.11g CH 10 2457MHz		4920	40.2	-33.8	74	61.05	34.26	10.34	65.45	300	0	P	H
		7380	41.87	-32.13	74	59.37	35.88	12.73	66.11	300	0	P	H
		4920	40.7	-33.3	74	61.55	34.26	10.34	65.45	100	0	P	V
		7380	41.93	-32.07	74	59.43	35.88	12.73	66.11	100	0	P	V
802.11g CH 11 2462MHz		4920	40.82	-33.18	74	61.67	34.26	10.34	65.45	300	0	P	H
		7380	42.58	-31.42	74	60.08	35.88	12.73	66.11	300	0	P	H
		4920	39.77	-34.23	74	60.62	34.26	10.34	65.45	100	0	P	V
		7380	43.04	-30.96	74	60.54	35.88	12.73	66.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		2388.78	64.31	-9.69	74	61.19	32.88	7.1	36.86	332	128	P	H
		2389.95	52.39	-1.61	54	49.27	32.88	7.1	36.86	332	128	A	H
	*	2412	110.19	-	-	107.01	32.9	7.13	36.85	332	128	P	H
	*	2412	100.66	-	-	97.48	32.9	7.13	36.85	332	128	A	H
		2389.3	62.07	-11.93	74	58.95	32.88	7.1	36.86	100	283	P	V
		2389.95	49.19	-4.81	54	46.07	32.88	7.1	36.86	100	283	A	V
	*	2414	112.24	-	-	109.06	32.9	7.13	36.85	100	283	P	V
	*	2412	102.99	-	-	99.81	32.9	7.13	36.85	100	283	A	V
802.11ax HE20 Full CH 06 2437MHz		2389.17	52.25	-21.75	74	49.13	32.88	7.1	36.86	340	65	P	H
		2389.95	40.2	-13.8	54	37.08	32.88	7.1	36.86	340	65	A	H
	*	2436	112.61	-	-	109.35	32.92	7.19	36.85	340	65	P	H
	*	2436	102.31	-	-	99.05	32.92	7.19	36.85	340	65	A	H
		2483.86	59.45	-14.55	74	56.04	32.98	7.25	36.82	340	65	P	H
		2483.5	45.32	-8.68	54	41.91	32.98	7.25	36.82	340	65	A	H
		2389.95	54.18	-19.82	74	51.06	32.88	7.1	36.86	148	97	P	V
		2389.95	41.87	-12.13	54	38.75	32.88	7.1	36.86	148	97	A	V
	*	2430	113.41	-	-	110.18	32.92	7.16	36.85	148	97	P	V
	*	2438	104.92	-	-	101.63	32.94	7.19	36.84	148	97	A	V
		2483.62	59.93	-14.07	74	56.52	32.98	7.25	36.82	148	97	P	V
		2483.5	47.33	-6.67	54	43.92	32.98	7.25	36.82	148	97	A	V



802.11ax HE20 Full CH 10 2457MHz		2483.5	68.22	-5.78	74	64.81	32.98	7.25	36.82	300	14	P	H
		2483.5	50.78	-3.22	54	47.37	32.98	7.25	36.82	300	14	A	H
	*	2458	108.32	-	-	104.97	32.96	7.22	36.83	300	14	P	H
	*	2458	98.75	-	-	95.4	32.96	7.22	36.83	300	14	A	H
		2483.5	68.69	-5.31	74	65.28	32.98	7.25	36.82	141	97	P	V
		2483.5	52.57	-1.43	54	49.16	32.98	7.25	36.82	141	97	A	V
	*	2458	111.9	-	-	108.55	32.96	7.22	36.83	141	97	P	V
	*	2458	102.25	-	-	98.9	32.96	7.22	36.83	141	97	A	V
8802.11ax HE20 Full CH 11 2462MHz	*	2464	106.85	-	-	103.5	32.96	7.22	36.83	299	15	P	H
	*	2460	97.67	-	-	94.32	32.96	7.22	36.83	299	15	A	H
		2485.6	66.55	-7.45	74	63.14	32.98	7.25	36.82	299	15	P	H
		2483.5	50.77	-3.23	54	47.36	32.98	7.25	36.82	299	15	A	H
	*	2464	108.51	-	-	105.16	32.96	7.22	36.83	144	93	P	V
	*	2462	99.16	-	-	95.81	32.96	7.22	36.83	144	93	A	V
		2483.56	69.33	-4.67	74	65.92	32.98	7.25	36.82	144	93	P	V
		2483.5	52.82	-1.18	54	49.41	32.98	7.25	36.82	144	93	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full		4830	40.59	-33.41	74	61.52	34.2	10.25	65.38	300	0	P	H
CH 01 2412MHz		4830	40.39	-33.61	74	61.32	34.2	10.25	65.38	100	0	P	V
802.11ax		4875	40.62	-33.38	74	61.52	34.23	10.29	65.42	300	0	P	H
HE20 Full		7305	46.05	-27.95	74	63.38	35.86	12.72	65.91	300	0	P	H
CH 06		4875	39.92	-34.08	74	60.82	34.23	10.29	65.42	100	0	P	V
2437MHz		7305	44.52	-29.48	74	61.85	35.86	12.72	65.91	100	0	P	V
802.11ax		4920	40.5	-33.5	74	61.35	34.26	10.34	65.45	300	0	P	H
HE20 Full		7380	42.32	-31.68	74	59.82	35.88	12.73	66.11	300	0	P	H
CH 10		4920	40.45	-33.55	74	61.3	34.26	10.34	65.45	100	0	P	V
2462MHz		7380	41.82	-32.18	74	59.32	35.88	12.73	66.11	100	0	P	V
802.11ax		4920	40.28	-33.72	74	61.13	34.26	10.34	65.45	300	0	P	H
HE20 Full		7380	42.72	-31.28	74	60.22	35.88	12.73	66.11	300	0	P	H
CH 11		4920	40.43	-33.57	74	61.28	34.26	10.34	65.45	100	0	P	V
2462MHz		7380	42.58	-31.42	74	60.08	35.88	12.73	66.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 01 2412MHz		2389.82	55.95	-18.05	74	52.83	32.88	7.1	36.86	316	57	P	H
		2389.95	39.87	-14.13	54	36.75	32.88	7.1	36.86	316	57	A	H
		2406	109.18	-	-	106	32.9	7.13	36.85	316	57	P	H
		2404	100.11	-	-	96.93	32.9	7.13	36.85	316	57	A	H
		2389.82	52.68	-21.32	74	49.56	32.88	7.1	36.86	129	78	P	V
		2389.95	39.75	-14.25	54	36.63	32.88	7.1	36.86	129	78	A	V
		2404	110.41	-	-	107.23	32.9	7.13	36.85	129	78	P	V
		2404	100.83	-	-	97.65	32.9	7.13	36.85	129	78	A	V
802.11ax HE20 Partial 106/54 CH 11 2462MHz		2484.04	49.88	-24.12	74	46.47	32.98	7.25	36.82	338	60	P	H
		2483.5	38.94	-15.06	54	35.53	32.98	7.25	36.82	338	60	A	H
		2466	101.05	-	-	97.7	32.96	7.22	36.83	338	60	P	H
		2464	91.84	-	-	88.49	32.96	7.22	36.83	338	60	A	H
		2484.4	49.66	-24.34	74	46.25	32.98	7.25	36.82	147	106	P	V
		2483.5	39.02	-14.98	54	35.61	32.98	7.25	36.82	147	106	A	V
		2466	102.35	-	-	99	32.96	7.22	36.83	147	106	P	V
		2464	92.63	-	-	89.28	32.96	7.22	36.83	147	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI Ant. CDD 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 106/53 CH 01 2412MHz		4830	41.26	-32.74	74	62.19	34.2	10.25	65.38	300	0	P	H
		4830	40.56	-33.44	74	61.49	34.2	10.25	65.38	100	0	P	V
802.11ax HE20 Partial 106/54 CH 11 2462MHz		4920	39.93	-34.07	74	60.78	34.26	10.34	65.45	300	0	P	H
		7380	41.86	-32.14	74	59.36	35.88	12.73	66.11	300	0	P	H
		4920	39.79	-34.21	74	60.64	34.26	10.34	65.45	100	0	P	V
		7380	42.51	-31.49	74	60.01	35.88	12.73	66.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Band Edge @ 3m)

WIFI Ant. TXBF 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 01 2412MHz		2388	57.29	-16.71	74	54.17	32.88	7.1	36.86	255	99	P	H
		2388.39	39.74	-14.26	54	36.62	32.88	7.1	36.86	255	99	A	H
	*	2412	106.53	-	-	103.35	32.9	7.13	36.85	255	99	P	H
	*	2412	96.7	-	-	93.52	32.9	7.13	36.85	255	99	A	H
		2388.91	60.11	-13.89	74	56.99	32.88	7.1	36.86	286	360	P	V
		2388.91	40.29	-13.71	54	37.17	32.88	7.1	36.86	286	360	A	V
	*	2412	111.1	-	-	107.92	32.9	7.13	36.85	286	360	P	V
	*	2410	100.22	-	-	97.04	32.9	7.13	36.85	286	360	A	V
802.11ax HE20 Full CH 06 2437MHz		2386.96	50.67	-23.33	74	47.55	32.88	7.1	36.86	100	360	P	H
		2388.65	39.2	-14.8	54	36.08	32.88	7.1	36.86	100	360	A	H
	*	2438	106.3	-	-	103.01	32.94	7.19	36.84	100	360	P	H
	*	2438	92.46	-	-	89.17	32.94	7.19	36.84	100	360	A	H
		2485.3	50.55	-23.45	74	47.14	32.98	7.25	36.82	100	360	P	H
		2497.84	39.43	-14.57	54	35.96	33	7.28	36.81	100	360	A	H
		2337.17	50.79	-23.21	74	47.86	32.81	7.01	36.89	394	280	P	V
		2383.84	39.04	-14.96	54	35.95	32.86	7.1	36.87	394	280	A	V
	*	2436	113.51	-	-	110.25	32.92	7.19	36.85	394	280	P	V
	*	2438	97.45	-	-	94.16	32.94	7.19	36.84	394	280	A	V
		2484.46	52.65	-21.35	74	49.24	32.98	7.25	36.82	394	280	P	V
		2483.56	39.79	-14.21	54	36.38	32.98	7.25	36.82	394	280	A	V



802.11ax HE20 Full CH 10 2457MHz		2483.5	62.47	-11.53	74	59.06	32.98	7.25	36.82	100	197	P	H
		2483.62	43.63	-10.37	54	40.22	32.98	7.25	36.82	100	197	A	H
	*	2458	108.6	-	-	105.25	32.96	7.22	36.83	100	197	P	H
	*	2456	102.25	-	-	98.9	32.96	7.22	36.83	100	197	A	H
		2483.5	60.82	-13.18	74	57.41	32.98	7.25	36.82	315	120	P	V
		2488.06	38.05	-15.95	54	34.61	33	7.25	36.81	315	120	A	V
	*	2458	117.55	-	-	114.2	32.96	7.22	36.83	315	120	P	V
	*	2458	99.84	-	-	96.49	32.96	7.22	36.83	315	120	A	V
8802.11ax HE20 Full CH 11 2462MHz	*	2462	105.62	-	-	102.27	32.96	7.22	36.83	100	360	P	H
	*	2464	90.05	-	-	86.7	32.96	7.22	36.83	100	360	A	H
		2484.76	61.46	-12.54	74	58.05	32.98	7.25	36.82	100	360	P	H
		2483.98	39.95	-14.05	54	36.54	32.98	7.25	36.82	100	360	A	H
	*	2456	110.01	-	-	106.66	32.96	7.22	36.83	261	246	P	V
	*	2458	95.42	-	-	92.07	32.96	7.22	36.83	261	246	A	V
		2485.42	69.22	-4.78	74	65.81	32.98	7.25	36.82	261	246	P	V
		2484.4	46.82	-7.18	54	43.41	32.98	7.25	36.82	261	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI Ant. TXBF 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full		4824	41.23	-32.77	74	62.19	34.2	10.22	65.38	300	0	P	H
CH 01 2412MHz		4824	41.15	-32.85	74	62.11	34.2	10.22	65.38	100	0	P	V
802.11ax HE20 Full		4875	39.93	-34.07	74	60.83	34.23	10.29	65.42	300	0	P	H
CH 06 2437MHz		7305	42.21	-31.79	74	59.54	35.86	12.72	65.91	300	0	P	H
		4875	40.67	-33.33	74	61.57	34.23	10.29	65.42	100	0	P	V
		7305	42.27	-31.73	74	59.6	35.86	12.72	65.91	100	0	P	V
802.11ax HE20 Full		4914	42.04	-31.96	74	62.89	34.25	10.34	65.44	300	0	P	H
CH 10 2457MHz		7371	42.17	-31.83	74	59.67	35.88	12.73	66.11	300	0	P	H
		4914	41.22	-32.78	74	62.07	34.25	10.34	65.44	100	0	P	V
		7371	41.93	-32.07	74	59.43	35.88	12.73	66.11	100	0	P	V
802.11ax HE20 Full		4920	42.79	-31.21	74	63.64	34.26	10.34	65.45	300	0	P	H
CH 11 2462MHz		7380	42.59	-31.41	74	60.09	35.88	12.73	66.11	300	0	P	H
		4920	43.08	-30.92	74	63.93	34.26	10.34	65.45	100	0	P	V
		7380	42.47	-31.53	74	59.97	35.88	12.73	66.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11ax HE20 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11ax HE20 LF		48.43	19.9	-20.1	40	36.05	15.77	1.05	32.97	-	-	P	H
		131.85	24.34	-19.16	43.5	37.72	17.72	1.74	32.84	-	-	P	H
		239.52	23.28	-22.72	46	35.28	18.74	2.36	33.1	-	-	P	H
		380.17	25.32	-20.68	46	33	22.19	2.97	32.84	-	-	P	H
		559.62	26.91	-19.09	46	30.06	25.82	3.61	32.58	-	-	P	H
		650.8	30.73	-15.27	46	33.64	25.9	3.89	32.7	-	-	P	H
		49.4	23.08	-16.92	40	39.63	15.38	1.05	32.98	-	-	P	V
		130.88	26.89	-16.61	43.5	40.26	17.73	1.74	32.84	-	-	P	V
		179.38	24.88	-18.62	43.5	39.04	16.79	2.03	32.98	-	-	P	V
		273.47	25.41	-20.59	46	36.12	19.78	2.52	33.01	-	-	P	V
		538.28	27.46	-18.54	46	31	25.57	3.54	32.65	-	-	P	V
		752.65	27.98	-18.02	46	29.95	26.52	4.2	32.69	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-location

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full& LTE B48 CA_48C (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
8802.11ax HE20 Full CH 11 2462MHz	*	2483.86	72.14	-1.86	74	68.73	32.98	7.25	36.82	301	17	P	H
	*	2483.62	52.78	-1.22	54	49.37	32.98	7.25	36.82	301	17	A	H
		2460	106.29	-	-	102.94	32.96	7.22	36.83	301	17	P	H
		2460	97.74	-	-	94.39	32.96	7.22	36.83	301	17	A	H
	*	2483.5	64.92	-9.08	74	61.51	32.98	7.25	36.82	100	99	P	V
	*	2483.5	51.53	-2.47	54	48.12	32.98	7.25	36.82	100	99	A	V
		2456	106.9	-	-	103.55	32.96	7.22	36.83	100	99	P	V
		2460	98.75	-	-	95.4	32.96	7.22	36.83	100	99	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full& LTE B48 CA_48C (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE20 Full CH 11 2462MHz		4920	41.64	-32.36	74	62.49	34.26	10.34	65.45	300	0	P	H
		7380	41.94	-32.06	74	59.44	35.88	12.73	66.11	300	0	P	H
		4920	40.98	-33.02	74	61.83	34.26	10.34	65.45	100	0	P	V
		7386	42.3	-31.7	74	59.85	35.88	12.73	66.16	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
CDD 1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)

2. Level(dBμV/m) =

Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix C. Radiated Spurious Emission Plots

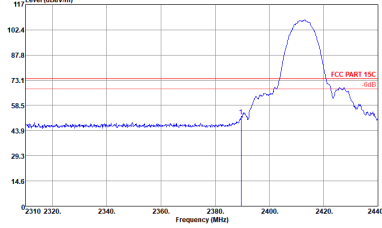
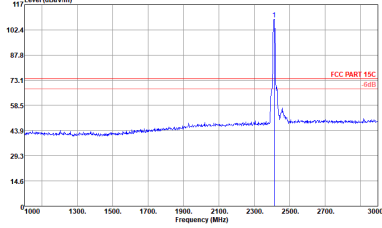
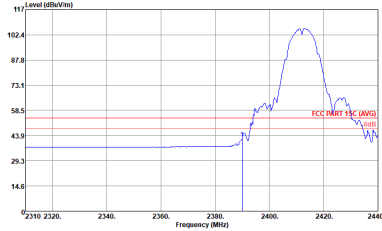
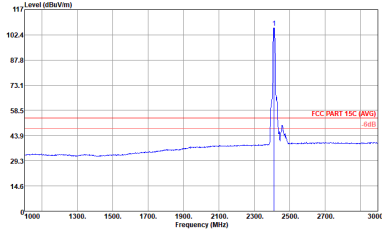
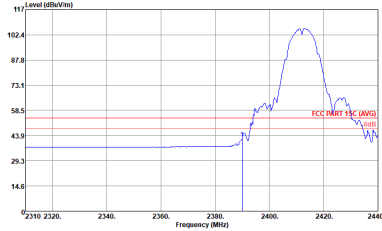
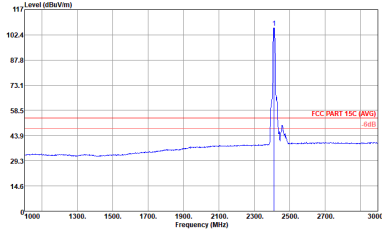
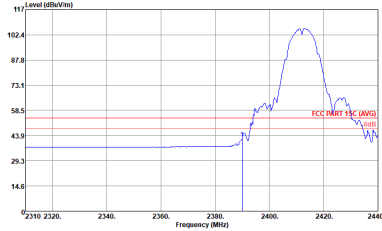
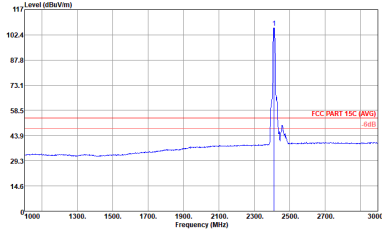
Note symbol

-L	Low channel location
-R	High channel location

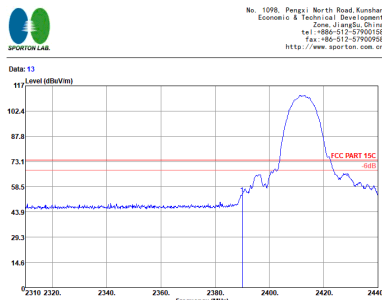
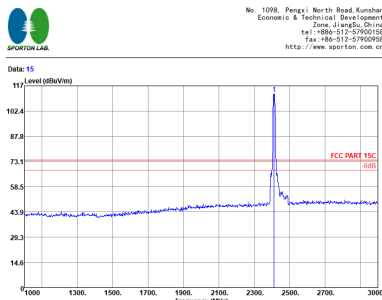
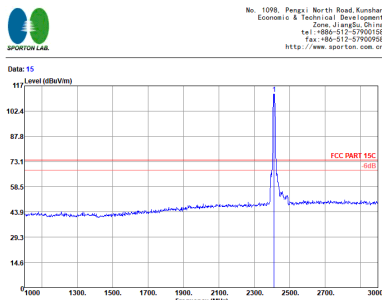
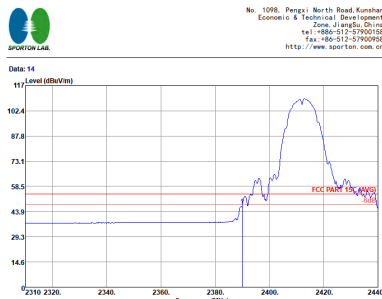
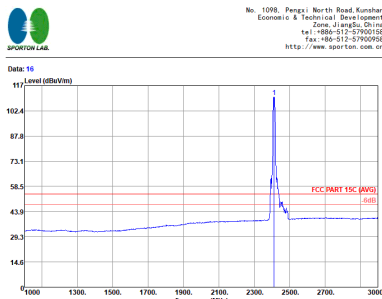
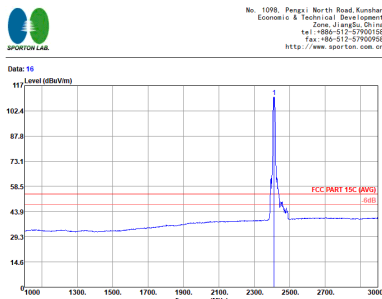


2.4GHz 2400~2483.5MHz

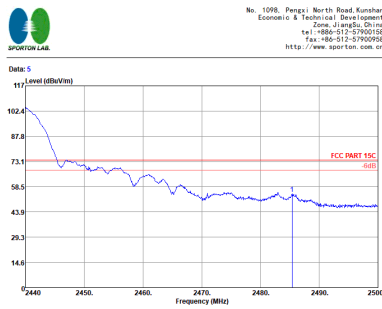
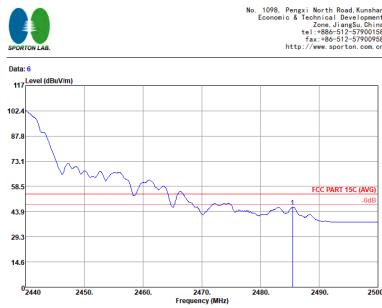
WIFI 802.11b (Band Edge @ 3m)

WIFI		2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																					
ANT		802.11b CH01 2412MHz																																																																																																																					
CDD 1+2	Horizontal	Fundamental																																																																																																																					
Peak	SPORTON LAB No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 2370 2380 2390 2400 2410 2420 2430 2440 Frequency (MHz) FCC PART 15C dBm  Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.000.000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2389.56</td><td>52.01</td><td>-21.99</td><td>74.00</td><td>48.89</td><td>32.88</td><td>7.10</td><td>36.86</td><td>391</td><td>63</td><td>Peak</td><td>HORIZONTAL</td></tr></table> 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 1000 1500 2000 2500 3000 Frequency (MHz) FCC PART 15C dBm  Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.000.000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2412.00</td><td>108.65</td><td>34.65</td><td>74.00</td><td>105.47</td><td>32.90</td><td>7.13</td><td>36.85</td><td>391</td><td>63</td><td>Peak</td><td>HORIZONTAL</td></tr></table> <tr><td rowspan="2">Avg.</td><td> SPORTON LAB No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 2370 2380 2390 2400 2410 2420 2430 2440 Frequency (MHz) FCC PART 15C (AVG) dBm  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.01000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2389.95</td><td>42.11</td><td>-11.89</td><td>54.00</td><td>38.99</td><td>32.88</td><td>7.10</td><td>36.86</td><td>391</td><td>63</td><td>Average</td><td>HORIZONTAL</td></tr></table> 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 1000 1500 2000 2500 3000 Frequency (MHz) FCC PART 15C (AVG) dBm  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.01000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2412.00</td><td>106.44</td><td>52.44</td><td>54.00</td><td>103.26</td><td>32.90</td><td>7.13</td><td>36.85</td><td>391</td><td>63</td><td>Average</td><td>HORIZONTAL</td></tr></table> </td></tr>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dB	dB	dB	on	deg	1	2389.56	52.01	-21.99	74.00	48.89	32.88	7.10	36.86	391	63	Peak	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dB	dB	dB	on	deg	1	2412.00	108.65	34.65	74.00	105.47	32.90	7.13	36.85	391	63	Peak	HORIZONTAL	Avg.	SPORTON LAB No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 2370 2380 2390 2400 2410 2420 2430 2440 Frequency (MHz) FCC PART 15C (AVG) dBm  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.01000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2389.95</td><td>42.11</td><td>-11.89</td><td>54.00</td><td>38.99</td><td>32.88</td><td>7.10</td><td>36.86</td><td>391</td><td>63</td><td>Average</td><td>HORIZONTAL</td></tr></table> 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 1000 1500 2000 2500 3000 Frequency (MHz) FCC PART 15C (AVG) dBm  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.01000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2412.00</td><td>106.44</td><td>52.44</td><td>54.00</td><td>103.26</td><td>32.90</td><td>7.13</td><td>36.85</td><td>391</td><td>63</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dB	dB	dB	on	deg	1	2389.95	42.11	-11.89	54.00	38.99	32.88	7.10	36.86	391	63	Average	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dB	dB	dB	on	deg	1	2412.00	106.44	52.44	54.00	103.26	32.90	7.13	36.85	391	63	Average	HORIZONTAL
	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																															
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Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																																
MHz	dBm/Vm	dB	dB	dB	dB	on	deg																																																																																																																
1	2412.00	108.65	34.65	74.00	105.47	32.90	7.13	36.85	391	63	Peak	HORIZONTAL																																																																																																											
Avg.	SPORTON LAB No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 2370 2380 2390 2400 2410 2420 2430 2440 Frequency (MHz) FCC PART 15C (AVG) dBm  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.01000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2389.95</td><td>42.11</td><td>-11.89</td><td>54.00</td><td>38.99</td><td>32.88</td><td>7.10</td><td>36.86</td><td>391</td><td>63</td><td>Average</td><td>HORIZONTAL</td></tr></table> 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBm/Vm) 1000 1500 2000 2500 3000 Frequency (MHz) FCC PART 15C (AVG) dBm  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000MHz VSW 3.01000Hz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : #14 Power setting : 78 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>on</th><th>deg</th></tr><tr><td>1</td><td>2412.00</td><td>106.44</td><td>52.44</td><td>54.00</td><td>103.26</td><td>32.90</td><td>7.13</td><td>36.85</td><td>391</td><td>63</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dB	dB	dB	on	deg	1	2389.95	42.11	-11.89	54.00	38.99	32.88	7.10	36.86	391	63	Average	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dB	dB	dB	on	deg	1	2412.00	106.44	52.44	54.00	103.26	32.90	7.13	36.85	391	63	Average	HORIZONTAL																																																												
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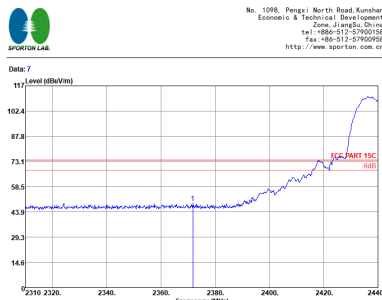
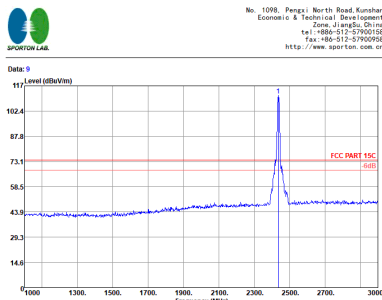
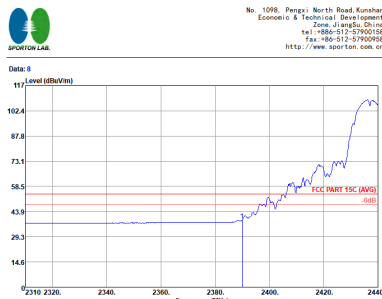
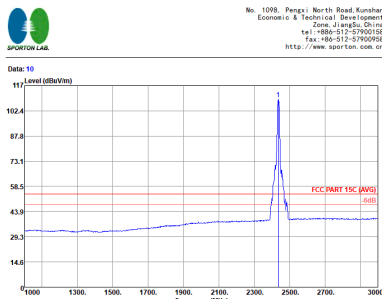
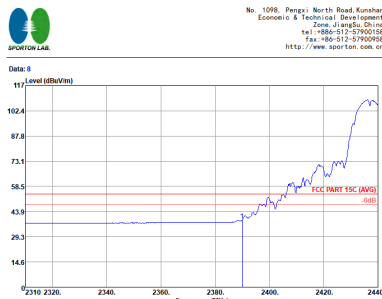
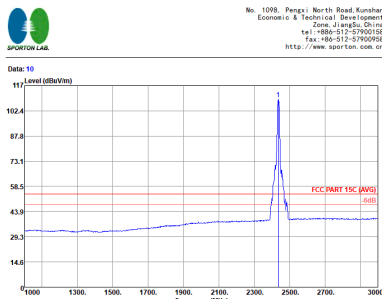
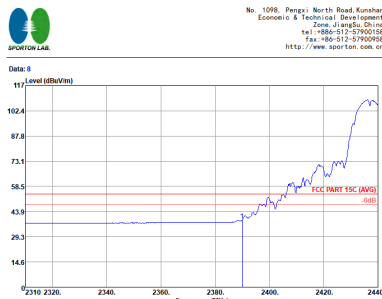
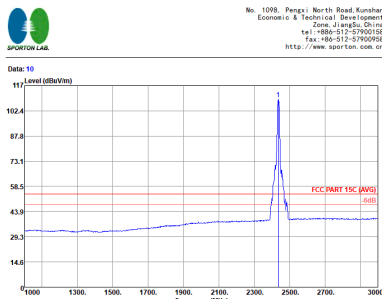


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																					
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CDD 1+2	Vertical	Fundamental																																																																																																				
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 13 Level (dBm/100m)  No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 15 Level (dBm/100m) <table><tr><th>Site</th><td>: 030805-KS</td></tr><tr><th>Condition</th><td>: FCC PART 15C 3m 3317 SN 75957 VERTICAL</td></tr><tr><th>Project</th><td>: R88 1000.000kHz VBR-3000.000kHz SMT-Auto</td></tr><tr><th>Mode</th><td>: (FR) 230405</td></tr><tr><th>Plane</th><td>: 2</td></tr><tr><th>Full-directivity</th><td>: #1</td></tr><tr><th>Powersetting</th><td>: #1</td></tr><tr><th>Power</th><td>: 78</td></tr></table><table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2389.95</td><td>54.02</td><td>-19.98</td><td>74.00</td><td>50.90</td><td>32.88</td><td>7.10</td><td>36.86</td><td>100</td><td>288 Peak</td><td>VERTICAL</td></tr></table>	Site	: 030805-KS	Condition	: FCC PART 15C 3m 3317 SN 75957 VERTICAL	Project	: R88 1000.000kHz VBR-3000.000kHz SMT-Auto	Mode	: (FR) 230405	Plane	: 2	Full-directivity	: #1	Powersetting	: #1	Power	: 78	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2389.95	54.02	-19.98	74.00	50.90	32.88	7.10	36.86	100	288 Peak	VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 15 Level (dBm/100m) <table><tr><th>Site</th><td>: 030805-KS</td></tr><tr><th>Condition</th><td>: FCC PART 15C 3m 3317 SN 75957 VERTICAL</td></tr><tr><th>Project</th><td>: R88 1000.000kHz VBR-3000.000kHz SMT-Auto</td></tr><tr><th>Mode</th><td>: (FR) 230405</td></tr><tr><th>Plane</th><td>: 2</td></tr><tr><th>Full-directivity</th><td>: #1</td></tr><tr><th>Powersetting</th><td>: #1</td></tr><tr><th>Power</th><td>: 78</td></tr></table><table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2412.00</td><td>112.35</td><td>38.35</td><td>74.00</td><td>109.17</td><td>32.90</td><td>7.13</td><td>36.85</td><td>100</td><td>288 Peak</td><td>VERTICAL</td></tr></table>	Site	: 030805-KS	Condition	: FCC PART 15C 3m 3317 SN 75957 VERTICAL	Project	: R88 1000.000kHz VBR-3000.000kHz SMT-Auto	Mode	: (FR) 230405	Plane	: 2	Full-directivity	: #1	Powersetting	: #1	Power	: 78	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2412.00	112.35	38.35	74.00	109.17	32.90	7.13	36.85	100	288 Peak	VERTICAL
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Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 14 Level (dBm/100m)  No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 16 Level (dBm/100m) <table><tr><th>Site</th><td>: 030805-KS</td></tr><tr><th>Condition</th><td>: FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL</td></tr><tr><th>Project</th><td>: R88 1000.000kHz VBR-3000.000kHz SMT-Auto</td></tr><tr><th>Mode</th><td>: (FR) 230405</td></tr><tr><th>Plane</th><td>: 2</td></tr><tr><th>Full-directivity</th><td>: #1</td></tr><tr><th>Powersetting</th><td>: #1</td></tr><tr><th>Power</th><td>: 78</td></tr></table><table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2389.95</td><td>47.29</td><td>-6.71</td><td>54.00</td><td>44.17</td><td>32.88</td><td>7.10</td><td>36.86</td><td>100</td><td>288 Average</td><td>VERTICAL</td></tr></table>	Site	: 030805-KS	Condition	: FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL	Project	: R88 1000.000kHz VBR-3000.000kHz SMT-Auto	Mode	: (FR) 230405	Plane	: 2	Full-directivity	: #1	Powersetting	: #1	Power	: 78	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2389.95	47.29	-6.71	54.00	44.17	32.88	7.10	36.86	100	288 Average	VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 16 Level (dBm/100m) <table><tr><th>Site</th><td>: 030805-KS</td></tr><tr><th>Condition</th><td>: FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL</td></tr><tr><th>Project</th><td>: R88 1000.000kHz VBR-3000.000kHz SMT-Auto</td></tr><tr><th>Mode</th><td>: (FR) 230405</td></tr><tr><th>Plane</th><td>: 2</td></tr><tr><th>Full-directivity</th><td>: #1</td></tr><tr><th>Powersetting</th><td>: #1</td></tr><tr><th>Power</th><td>: 78</td></tr></table><table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2412.00</td><td>110.37</td><td>56.37</td><td>54.00</td><td>107.19</td><td>32.90</td><td>7.13</td><td>36.85</td><td>100</td><td>288 Average</td><td>VERTICAL</td></tr></table>	Site	: 030805-KS	Condition	: FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL	Project	: R88 1000.000kHz VBR-3000.000kHz SMT-Auto	Mode	: (FR) 230405	Plane	: 2	Full-directivity	: #1	Powersetting	: #1	Power	: 78	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2412.00	110.37	56.37	54.00	107.19	32.90	7.13	36.85	100	288 Average	VERTICAL
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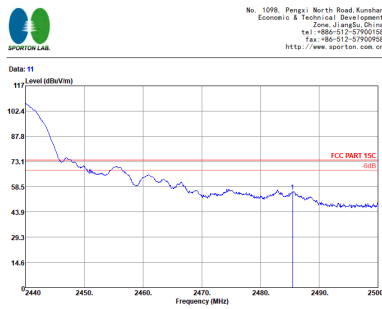
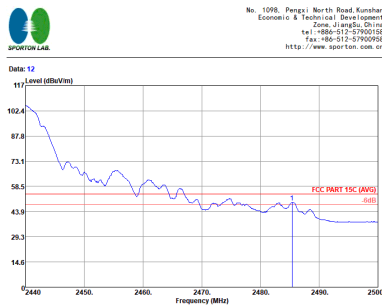


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																			
ANT	802.11b CH06 2437MHz - R																																			
CDD 1+2	Horizontal	Fundamental																																		
Peak	 No. 1098, Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 032005-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : (FR)230405 Plane : 11 Full-directivity IMEI : #14 PowerSetting : 78 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2485.36</td><td>54.35</td><td>-19.65</td><td>74.00</td><td>50.94</td><td>32.98</td><td>7.25</td><td>36.82</td><td>273</td><td>129 Peak</td><td>HORIZONTAL</td></tr></table> Left blank	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	2485.36	54.35	-19.65	74.00	50.94	32.98	7.25	36.82	273	129 Peak	HORIZONTAL	
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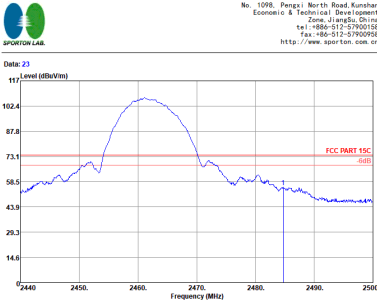
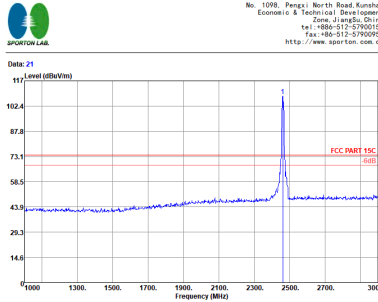
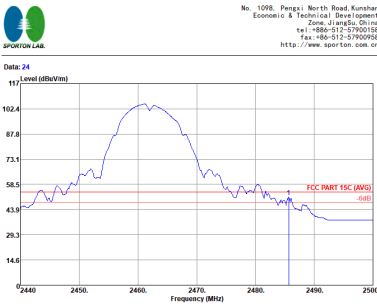
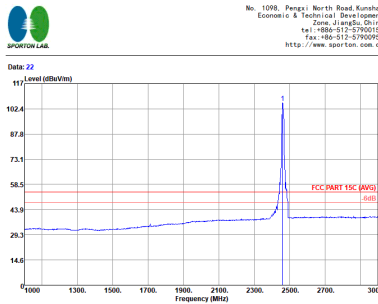


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Logo Data: 7 Level (dBm/100m) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 2310 2320. 2340. 2360. 2380. 2400. 2420. 2440 Frequency (MHz) FCC PART 15C dBm Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SMT Auto Bode : (FR) 230405 Plane : 11 Plane : 2 Full-directivity : #1 Powersetting : #4 Power : 78 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2371.75</td><td>49.12</td><td>-24.88</td><td>74.00</td><td>46.06</td><td>32.86</td><td>7.07</td><td>36.87</td><td>100</td><td>287 Peak VERTICAL</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900058 http://www.sporton.com.cn SPORTON LAB. 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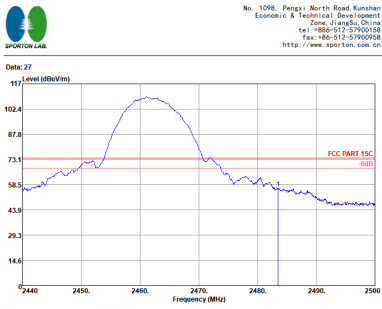
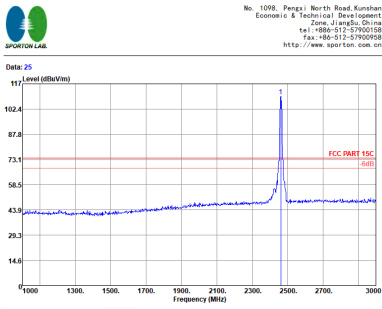
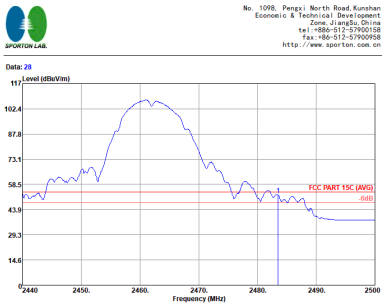
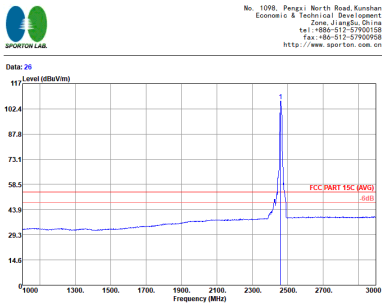


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ANT	802.11b CH06 2437MHz - R																																		
CDD 1+2	Vertical	Fundamental																																	
Peak	 Site : 032005-KS Condition : FCC PART 15C 3e 3317 SN 75957 VERTICAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Mode : (FR)230405 Plane : 1 Full-directivity Powersetting : 78 #14 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1 2485.48</td><td>55.67</td><td>-18.33</td><td>74.00</td><td>52.26</td><td>32.98</td><td>7.25</td><td>36.82</td><td>100</td><td>287 Peak</td><td>VERTICAL</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1 2485.48	55.67	-18.33	74.00	52.26	32.98	7.25	36.82	100	287 Peak	VERTICAL	Left blank
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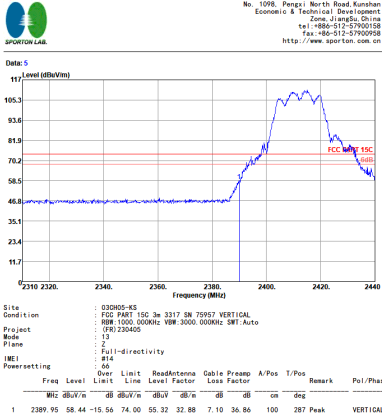
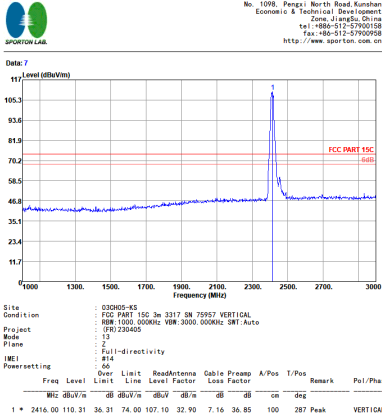
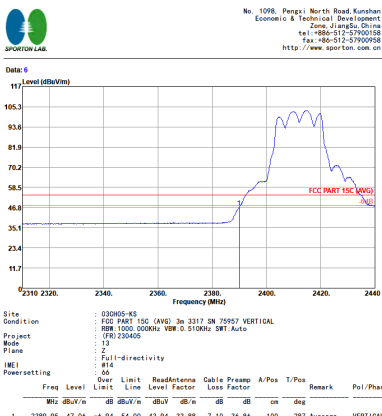
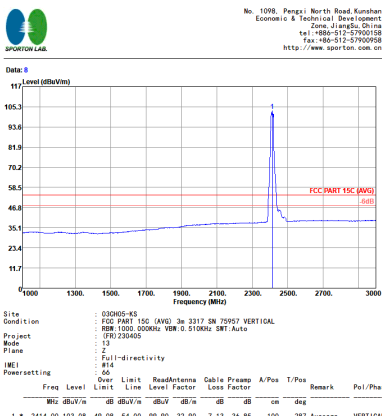


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ANT	802.11b CH11 2462MHz																																																											
CDD 1+2	Horizontal	Fundamental																																																										
Peak	 Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (F) 230405 Plane : 12 Full-directivity IME1 : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>cn</th><th>deg</th><th></th></tr><tr><td>1</td><td>2464.70</td><td>55.38</td><td>-18.62</td><td>74.00</td><td>51.97</td><td>32.98</td><td>7.25</td><td>36.82</td><td>366</td><td>131</td><td>Peak</td><td>HORIZONTAL</td></tr></table>  Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (F) 230405 Plane : 12 Full-directivity IME1 : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>cn</th><th>deg</th><th></th></tr><tr><td>1</td><td>2462.00</td><td>108.14</td><td>34.14</td><td>74.00</td><td>104.79</td><td>32.96</td><td>7.22</td><td>36.83</td><td>366</td><td>132</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	cn	deg		1	2464.70	55.38	-18.62	74.00	51.97	32.98	7.25	36.82	366	131	Peak	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	cn	deg		1	2462.00	108.14	34.14	74.00	104.79	32.96	7.22	36.83	366	132	Peak	HORIZONTAL	Fundamental
Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																					
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Avg.	 Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 0.0100kHz SRT Auto Bode : (F) 230405 Plane : 12 Full-directivity IME1 : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>cn</th><th>deg</th><th></th></tr><tr><td>1</td><td>2465.66</td><td>51.08</td><td>-2.92</td><td>54.00</td><td>47.67</td><td>32.98</td><td>7.25</td><td>36.82</td><td>366</td><td>131</td><td>Average</td><td>HORIZONTAL</td></tr></table>  Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 0.0100kHz SRT Auto Bode : (F) 230405 Plane : 12 Full-directivity IME1 : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>cn</th><th>deg</th><th></th></tr><tr><td>1</td><td>2460.00</td><td>105.76</td><td>51.76</td><td>54.00</td><td>102.41</td><td>32.96</td><td>7.22</td><td>36.83</td><td>366</td><td>132</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	cn	deg		1	2465.66	51.08	-2.92	54.00	47.67	32.98	7.25	36.82	366	131	Average	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	cn	deg		1	2460.00	105.76	51.76	54.00	102.41	32.96	7.22	36.83	366	132	Average	HORIZONTAL	Fundamental
Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																					
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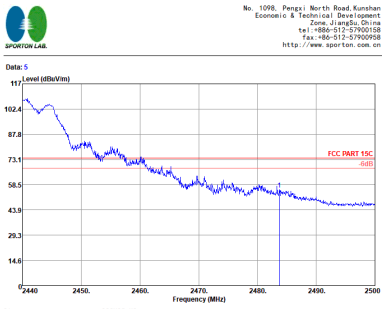
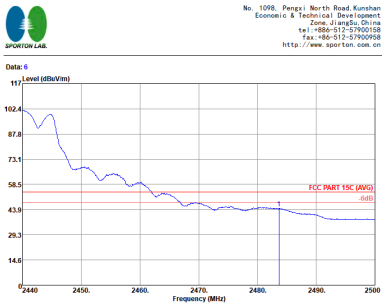


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
CDD 1+2	Vertical	Fundamental
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (FR) 230405 Plane : 12 Full-directivity : 2 IME1 : Full-directivity Powersetting : #14 Over : 70 Limit : 70 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 2483.50 56.78 -17.72 74.00 52.87 32.98 7.25 36.82 100 251 Peak VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (FR) 230405 Plane : 12 Full-directivity : 2 IME1 : Full-directivity Powersetting : #14 Over : 70 Limit : 70 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 * 2462.00 109.97 35.97 74.00 106.62 32.96 7.22 36.83 100 251 Peak VERTICAL
Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 0.0100kHz SRT Auto Bode : (FR) 230405 Plane : 12 Full-directivity : 2 IME1 : Full-directivity Powersetting : #14 Over : 70 Limit : 70 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 1 2483.50 52.35 -1.65 54.00 48.94 32.98 7.25 36.82 100 251 Average VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 0.0100kHz SRT Auto Bode : (FR) 230405 Plane : 12 Full-directivity : 2 IME1 : Full-directivity Powersetting : #14 Over : 70 Limit : 70 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 * 2460.00 106.90 52.90 54.00 103.55 32.96 7.22 36.83 100 251 Average VERTICAL

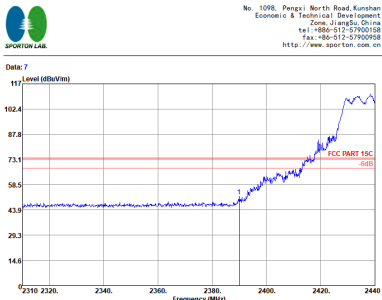
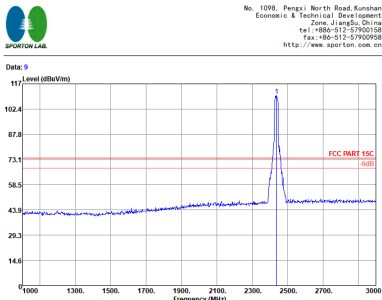
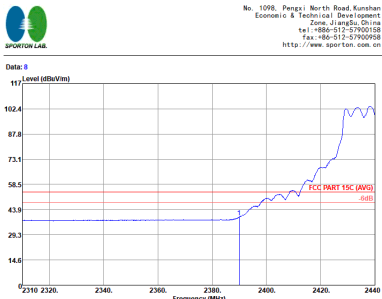
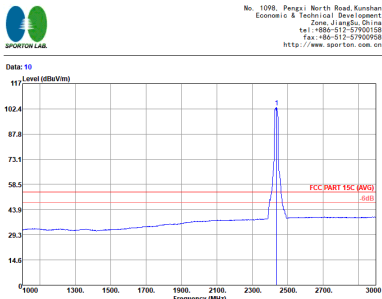


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
CDD 1+2	Vertical	Fundamental
Peak		
Avg.		

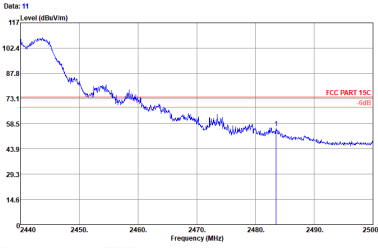
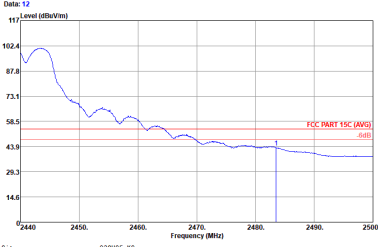


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
CDD 1+2	Horizontal	Fundamental
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 032005-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : 14 Plane : Z Polarization : Full-directivity Power setting : 0.1W Power level : 0.1W Over Limit : ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor cm deg 1 2483.74 55.88 -18.12 74.00 52.47 32.98 7.25 36.82 292 121 Peak HORIZONTAL	Left blank
Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 032005-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : 14 Plane : Z Polarization : Full-directivity Power setting : 0.1W Power level : 0.1W Over Limit : ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor cm deg 1 2483.68 44.59 -9.41 54.00 41.18 32.98 7.25 36.82 292 121 Average HORIZONTAL	Left blank

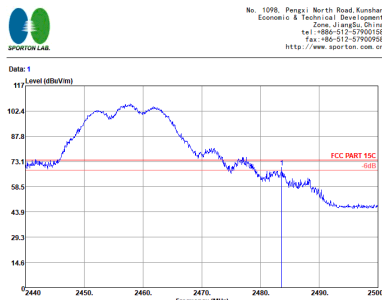
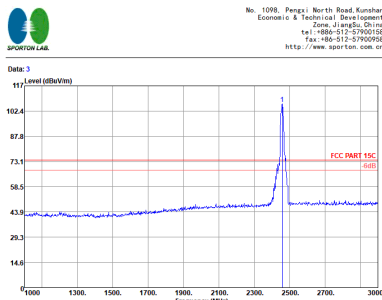
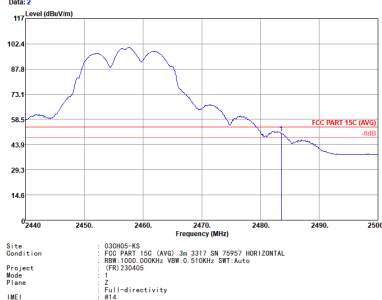
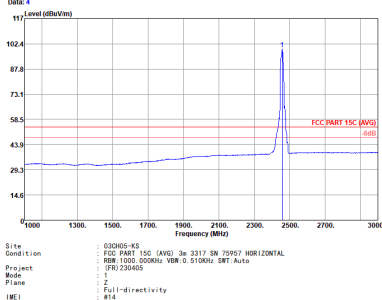


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
CDD 1+2	Vertical	Fundamental
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3e 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (F) 230405 Plane : 14 Plane : 2 Full-directivity : Full-directivity IMEI : #14 Powersetting : 60 Over Limit : 60 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 2389.95 51.86 -22.14 74.00 48.74 32.88 7.10 36.86 130 96 Peak VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3e 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (F) 230405 Plane : 14 Plane : 2 Full-directivity : Full-directivity IMEI : #14 Powersetting : 60 Over Limit : 60 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 * 2438.00 110.22 36.22 74.00 106.93 32.94 7.19 36.84 130 96 Peak VERTICAL
Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C (AVG) 3e 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 0.0100kHz SRT Auto Bode : (F) 230405 Plane : 14 Plane : 2 Full-directivity : Full-directivity IMEI : #14 Powersetting : 60 Over Limit : 60 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 2389.95 39.45 -14.55 54.00 36.33 32.88 7.10 36.86 130 96 Average VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C (AVG) 3e 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 0.0100kHz SRT Auto Bode : (F) 230405 Plane : 14 Plane : 2 Full-directivity : Full-directivity IMEI : #14 Powersetting : 60 Over Limit : 60 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Remark : Pol/Phas : Freq Level Limit Line Level Factor Loss Factor cn deg 1 * 2438.00 103.24 49.24 54.00 99.95 32.94 7.19 36.84 130 96 Average VERTICAL

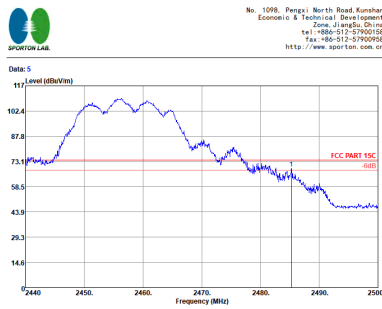
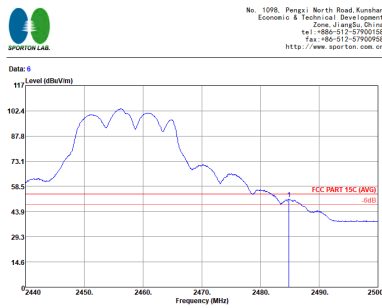
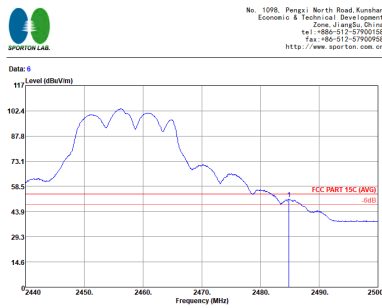
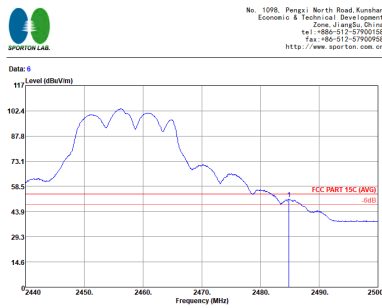


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
CDD 1+2	Vertical	Fundamental
Peak	 No. 1098, Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Data: 11  Site : 032005-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : (F)230405 Plane : 14 Z : 2 Full-directivity IMEI : #14 Power setting : 60 Over Limit : 60 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phase MHz dBm/100kHz dB dBm/100kHz dBm/100kHz dBm/100kHz dBm/100kHz cm deg 1 2483.50 56.18 -17.82 74.00 52.77 32.98 7.25 36.82 130 96 Peak VERTICAL	Left Blank
Avg.	 No. 1098, Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Data: 12  Site : 032005-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : (F)230405 Plane : 14 Z : 2 Full-directivity IMEI : #14 Power setting : 60 Over Limit : 60 ReadAntenna : Cable Preamp : A/Pos : T/Pos : Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phase MHz dBm/100kHz dB dBm/100kHz dBm/100kHz dBm/100kHz dBm/100kHz dBm/100kHz cm deg 1 2483.50 43.22 -10.78 54.00 39.81 32.98 7.25 36.82 130 96 Average VERTICAL	Left Blank

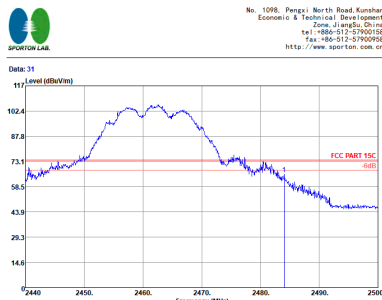
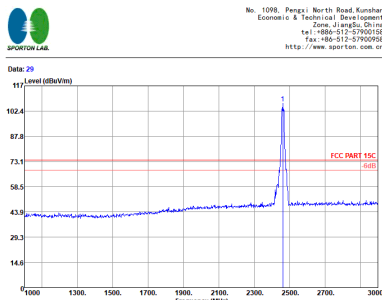
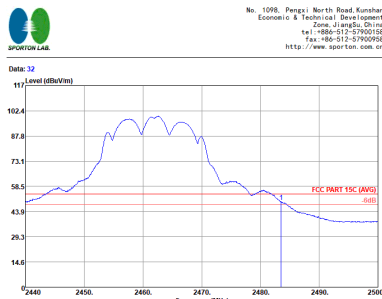
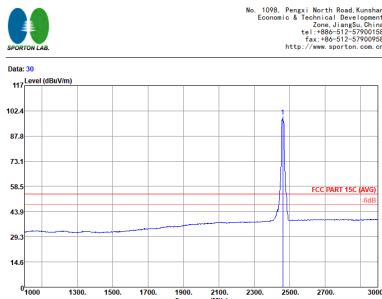


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																													
ANT	802.11g CH10 2457MHz																																																													
CDD 1+2	Horizontal	Fundamental																																																												
Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site Condition Project Mode Plane IMEI Power setting : 030805-KS : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL : RSM 1000.000kHz VBR 3000.000kHz SRT Auto : (FR) 230405 : 1 : Full-directivity : #14 : 66 Over Limit Line Level Factor Loss Factor dBm dB cm deg Remark Pol/Phase <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 1 2483.62</td><td>69.61</td><td>-4.39</td><td>74.00</td><td>66.20</td><td>32.98</td><td>7.25</td><td>36.82</td><td>300 16 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	cm	deg			1 1 2483.62	69.61	-4.39	74.00	66.20	32.98	7.25	36.82	300 16 Peak	HORIZONTAL	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site Condition Project Mode Plane IMEI Power setting : 030805-KS : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL : RSM 1000.000kHz VBR 3000.000kHz SRT Auto : (FR) 230405 : 1 : Full-directivity : #14 : 66 Over Limit Line Level Factor Loss Factor dBm dB cm deg Remark Pol/Phase <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 * 2458.00</td><td>106.52</td><td>32.52</td><td>74.00</td><td>103.17</td><td>32.96</td><td>7.22</td><td>36.83</td><td>300 16 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	cm	deg			1 * 2458.00	106.52	32.52	74.00	103.17	32.96	7.22	36.83	300 16 Peak	HORIZONTAL
Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phase																																																					
MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	cm	deg																																																							
1 1 2483.62	69.61	-4.39	74.00	66.20	32.98	7.25	36.82	300 16 Peak	HORIZONTAL																																																					
Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phase																																																					
MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	cm	deg																																																							
1 * 2458.00	106.52	32.52	74.00	103.17	32.96	7.22	36.83	300 16 Peak	HORIZONTAL																																																					
Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site Condition Project Mode Plane IMEI Power setting : 030805-KS : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL : RSM 1000.000kHz VBR 0.01000kHz SRT Auto : (FR) 230405 : 1 : Full-directivity : #14 : 66 Over Limit Line Level Factor Loss Factor dBm dB cm deg Remark Pol/Phase <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 1 2483.56</td><td>50.39</td><td>-3.61</td><td>54.00</td><td>46.98</td><td>32.98</td><td>7.25</td><td>36.82</td><td>300 16 Average</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	cm	deg			1 1 2483.56	50.39	-3.61	54.00	46.98	32.98	7.25	36.82	300 16 Average	HORIZONTAL	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site Condition Project Mode Plane IMEI Power setting : 030805-KS : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL : RSM 1000.000kHz VBR 0.01000kHz SRT Auto : (FR) 230405 : 1 : Full-directivity : #14 : 66 Over Limit Line Level Factor Loss Factor dBm dB cm deg Remark Pol/Phase <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 * 2458.00</td><td>99.52</td><td>45.52</td><td>54.00</td><td>96.17</td><td>32.96</td><td>7.22</td><td>36.83</td><td>300 16 Average</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	cm	deg			1 * 2458.00	99.52	45.52	54.00	96.17	32.96	7.22	36.83	300 16 Average	HORIZONTAL
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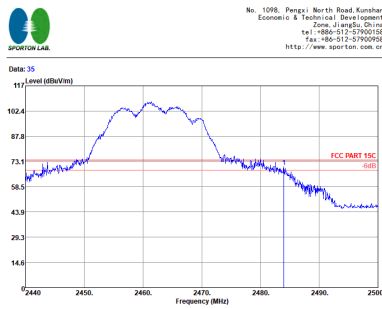
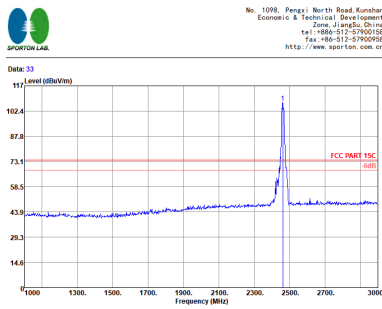
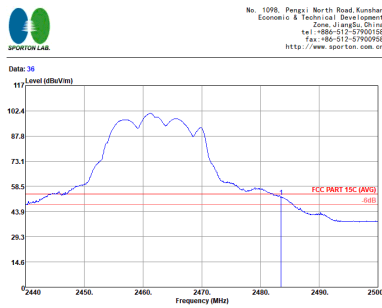
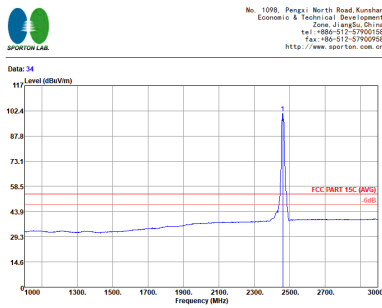


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m		
ANT	802.11g CH10 2457MHz		
CDD 1+2	Vertical	Fundamental	
Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Logo Data: 5 Level (dBm/100m) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 0240 2450. 2460. 2470. 2480. 2490. 2500 Frequency (MHz) FCC PART 15C Limit Site Condition Project Mode Plane Full-directivity IMEI Power setting 030805-KS FCC PART 15C 3m 3317 SN 75957 VERTICAL RSM 1000.000kHz VBR 3000.000kHz SRT Auto (FR)230405 1 2 #14 60 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/100m dB dBm/100m dBm/100m dB cm deg 1 1 2485.30 68.95 -5.05 74.00 65.54 32.98 7.25 36.82 100 2 Peak VERTICAL 1 * 2456.00 109.29 35.29 74.00 105.94 32.96 7.22 36.83 100 2 Peak VERTICAL <tr><td>Avg.</td><td>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Logo Data: 6 Level (dBm/100m) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 0240 2450. 2460. 2470. 2480. 2490. 2500 Frequency (MHz) FCC PART 15C (AVG) Limit Site Condition Project Mode Plane Full-directivity IMEI Power setting 030805-KS FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL RSM 1000.000kHz VBR 0.5100kHz SRT Auto (FR)230405 1 2 #14 60 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/100m dB dBm/100m dBm/100m dB cm deg 1 1 2484.88 51.08 -2.92 54.00 47.67 32.98 7.25 36.82 100 2 Average VERTICAL 1 * 2456.00 102.92 48.92 54.00 99.57 32.96 7.22 36.83 100 2 Average VERTICAL </td></tr>	Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Logo Data: 6 Level (dBm/100m) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 0240 2450. 2460. 2470. 2480. 2490. 2500 Frequency (MHz) FCC PART 15C (AVG) Limit Site Condition Project Mode Plane Full-directivity IMEI Power setting 030805-KS FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL RSM 1000.000kHz VBR 0.5100kHz SRT Auto (FR)230405 1 2 #14 60 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/100m dB dBm/100m dBm/100m dB cm deg 1 1 2484.88 51.08 -2.92 54.00 47.67 32.98 7.25 36.82 100 2 Average VERTICAL 1 * 2456.00 102.92 48.92 54.00 99.57 32.96 7.22 36.83 100 2 Average VERTICAL
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WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																						
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Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 3000.000KHz SRT Auto Bode : (F) 230405 Plane : 15 Z : 2 Full-directivity : Full-directivity Polarization : H Power setting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2484.04</td><td>65.80</td><td>-8.20</td><td>74.00</td><td>62.39</td><td>32.98</td><td>7.25</td><td>36.82</td><td>301</td><td>15 Peak</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 3000.000KHz SRT Auto Bode : (F) 230405 Plane : 15 Z : 2 Full-directivity : Full-directivity Polarization : H Power setting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2462.00</td><td>106.74</td><td>32.74</td><td>74.00</td><td>103.39</td><td>32.96</td><td>7.22</td><td>36.83</td><td>301</td><td>15 Peak</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm	dB	dBm	dBm	dB	dB	dB	dB	cm	deg	1	2484.04	65.80	-8.20	74.00	62.39	32.98	7.25	36.82	301	15 Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm	dB	dBm	dBm	dB	dB	dB	dB	cm	deg	1	2462.00	106.74	32.74	74.00	103.39	32.96	7.22	36.83	301	15 Peak	Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 0.0100KHz SRT Auto Bode : (F) 230405 Plane : 15 Z : 2 Full-directivity : Full-directivity Polarization : H Power setting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.50</td><td>49.51</td><td>-4.49</td><td>54.00</td><td>46.10</td><td>32.98</td><td>7.25</td><td>36.82</td><td>301</td><td>15 Average</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 0.0100KHz SRT Auto Bode : (F) 230405 Plane : 15 Z : 2 Full-directivity : Full-directivity Polarization : H Power setting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm</th><th>dB</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2462.00</td><td>98.96</td><td>44.96</td><td>54.00</td><td>95.61</td><td>32.96</td><td>7.22</td><td>36.83</td><td>301</td><td>15 Average</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm	dB	dBm	dBm	dB	dB	dB	dB	cm	deg	1	2483.50	49.51	-4.49	54.00	46.10	32.98	7.25	36.82	301	15 Average	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm	dB	dBm	dBm	dB	dB	dB	dB	cm	deg	1	2462.00	98.96	44.96	54.00	95.61	32.96	7.22	36.83	301	15 Average
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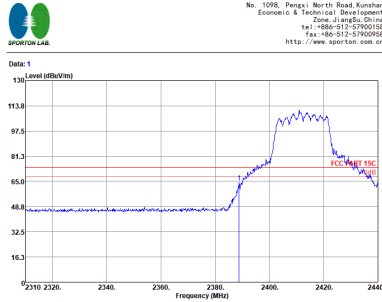
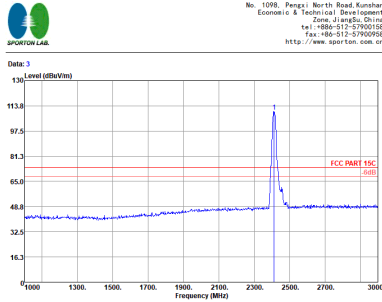
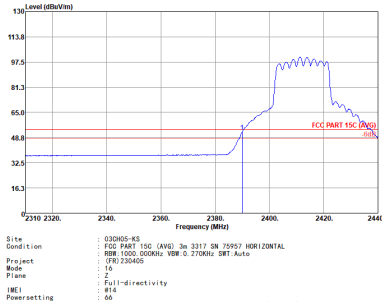
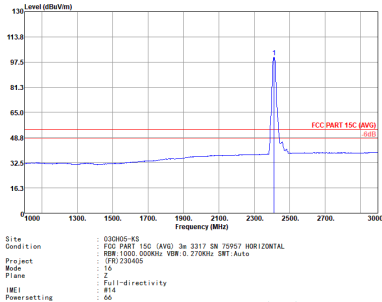


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Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : R88-1000-000000 VBR-3000-000000 SRT-Auto Bode : (FR)230405 Plane : 15 Z : 2 Full-directivity : Full-directivity IME1 : #14 Powersetting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr><tr><td>1 1 2483.98</td><td>70.05</td><td>-3.95</td><td>74.00</td><td>66.64</td><td>32.98</td><td>7.25</td><td>36.82</td><td>146</td><td>95 Peak</td><td>VERTICAL</td></tr></table>  No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : R88-1000-000000 VBR-3000-000000 SRT-Auto Bode : (FR)230405 Plane : 15 Z : 2 Full-directivity : Full-directivity IME1 : #14 Powersetting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr><tr><td>1 * 2462.00</td><td>107.19</td><td>33.19</td><td>74.00</td><td>103.84</td><td>32.96</td><td>7.22</td><td>36.83</td><td>146</td><td>95 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	dB	dB	deg		1 1 2483.98	70.05	-3.95	74.00	66.64	32.98	7.25	36.82	146	95 Peak	VERTICAL	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	dB	dB	deg		1 * 2462.00	107.19	33.19	74.00	103.84	32.96	7.22	36.83	146	95 Peak	VERTICAL	Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : R88-1000-000000 VBR-3000-000000 SRT-Auto Bode : (FR)230405 Plane : 15 Z : 2 Full-directivity : Full-directivity IME1 : #14 Powersetting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr><tr><td>1 1 2483.50</td><td>52.53</td><td>-1.47</td><td>54.00</td><td>49.12</td><td>32.98</td><td>7.25</td><td>36.82</td><td>146</td><td>95 Average</td><td>VERTICAL</td></tr></table>  No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : R88-1000-000000 VBR-3000-000000 SRT-Auto Bode : (FR)230405 Plane : 15 Z : 2 Full-directivity : Full-directivity IME1 : #14 Powersetting : 49 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr><tr><td>1 * 2462.00</td><td>100.87</td><td>46.87</td><td>54.00</td><td>97.52</td><td>32.96</td><td>7.22</td><td>36.83</td><td>146</td><td>95 Average</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	dB	dB	deg		1 1 2483.50	52.53	-1.47	54.00	49.12	32.98	7.25	36.82	146	95 Average	VERTICAL	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	dB	dB	deg		1 * 2462.00	100.87	46.87	54.00	97.52	32.96	7.22	36.83	146	95 Average	VERTICAL
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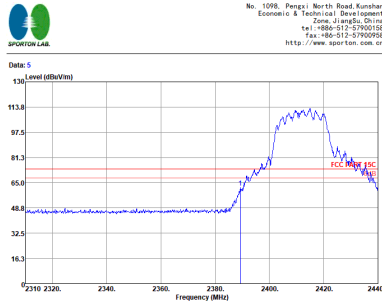
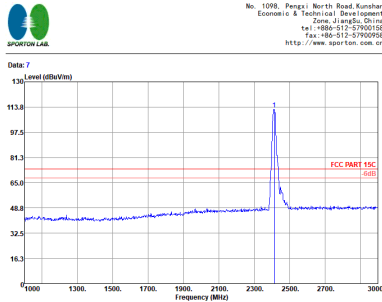
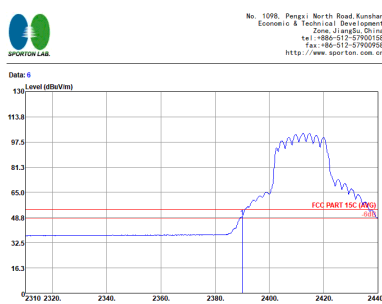
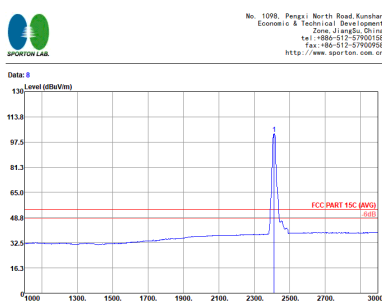


2.4GHz 2400~2483.5MHz

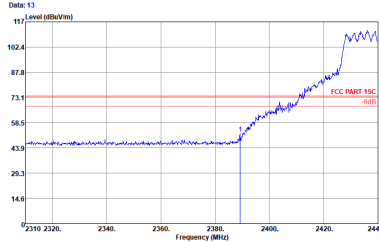
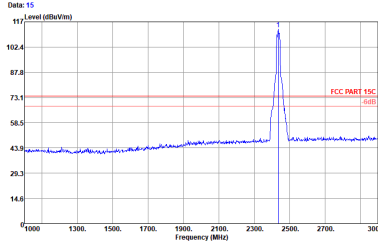
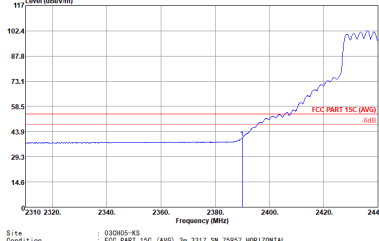
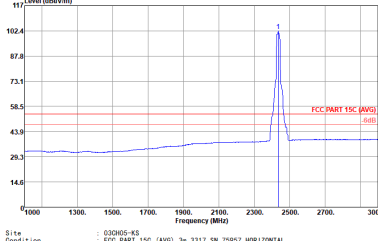
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																	
ANT	802.11ax HE20 Full CH01 2412MHz																																																	
CDD	Horizontal	Fundamental																																																
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Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sparton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000KHz VSW 3.000.000KHz SRT Auto Bode : (FR) 230405 Plane : 1a Z : 2 Full-directivity : Full-directivity IMEI : #14 Power setting : 60 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>on</th><th>deg</th><th></th></tr><tr><td>1</td><td>2388.78</td><td>64.31</td><td>-9.69</td><td>74.00</td><td>61.19</td><td>32.88</td><td>7.10 36.86 332 128 Peak HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	on	deg		1	2388.78	64.31	-9.69	74.00	61.19	32.88	7.10 36.86 332 128 Peak HORIZONTAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sparton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000KHz VSW 3.000.000KHz SRT Auto Bode : (FR) 230405 Plane : 1a Z : 2 Full-directivity : Full-directivity IMEI : #14 Power setting : 60 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>on</th><th>deg</th><th></th></tr><tr><td>1</td><td>2412.00</td><td>110.19</td><td>36.19</td><td>74.00</td><td>107.01</td><td>32.90</td><td>7.13 36.85 332 128 Peak HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	on	deg		1	2412.00	110.19	36.19	74.00	107.01	32.90	7.13 36.85 332 128 Peak HORIZONTAL
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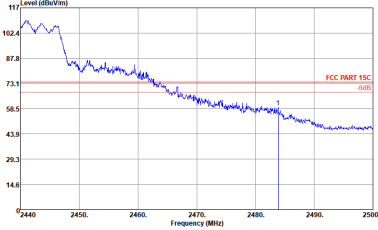
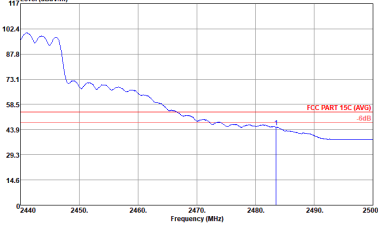


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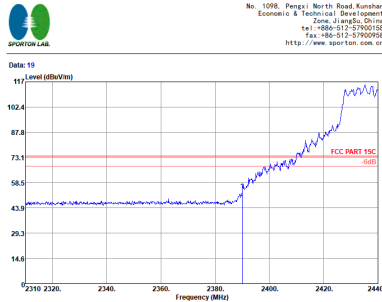
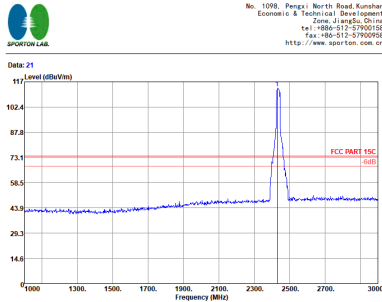
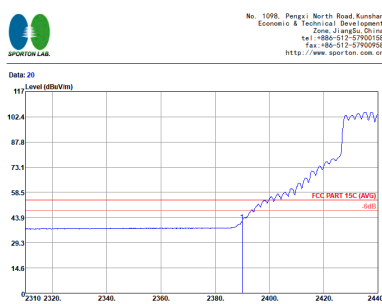
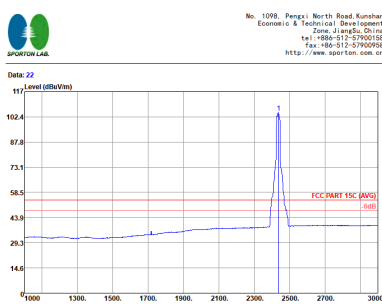


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																		
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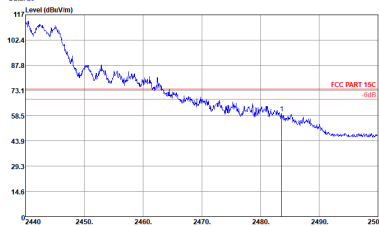
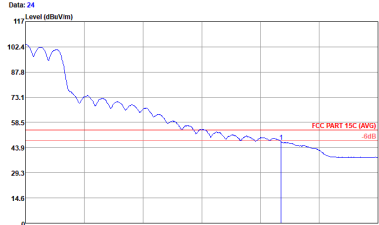


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Peak	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 17 Site : 032005-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Plane : 18 Z : 2 Full-directivity IME1 : Full-directivity Powersetting : 60 dB <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.86</td><td>59.45</td><td>-14.55</td><td>74.00</td><td>56.04</td><td>32.98</td><td>7.25</td><td>36.82</td><td>340</td><td>60</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Limit	Line	Level Factor	Loss Factor			MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	cm	deg	1	2483.86	59.45	-14.55	74.00	56.04	32.98	7.25	36.82	340	60	Peak	HORIZONTAL	Left blank
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Avg.	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 18 Site : 032005-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 HORIZONTAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Plane : 18 Z : 2 Full-directivity IME1 : Full-directivity Powersetting : 60 dB <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.50</td><td>45.32</td><td>-8.68</td><td>54.00</td><td>41.91</td><td>32.98</td><td>7.25</td><td>36.82</td><td>340</td><td>60</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Limit	Line	Level Factor	Loss Factor			MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	cm	deg	1	2483.50	45.32	-8.68	54.00	41.91	32.98	7.25	36.82	340	60	Average	HORIZONTAL	Left blank
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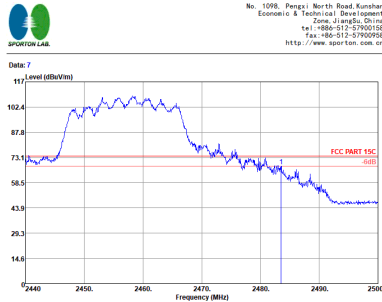
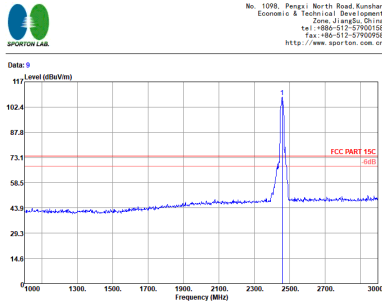
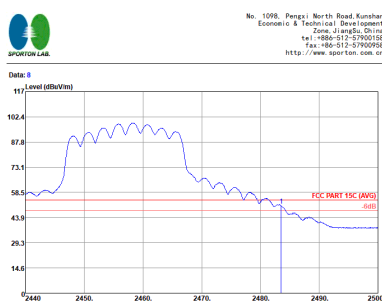
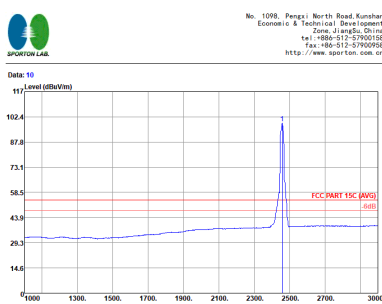


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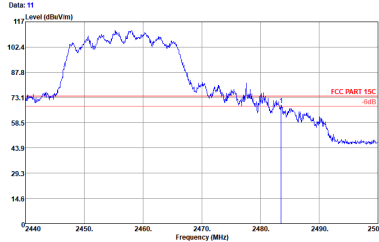
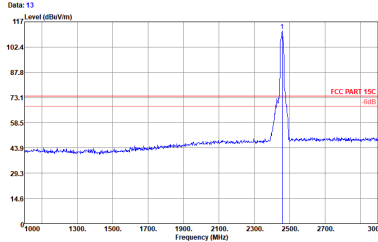
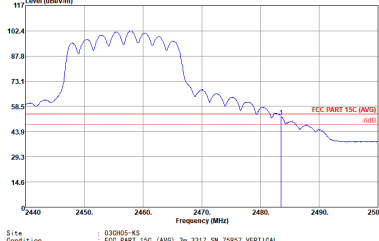
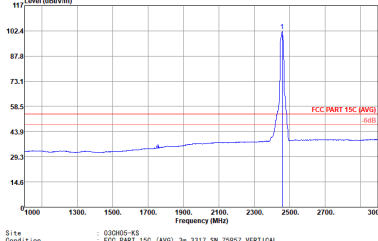


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ANT	802.11ax HE20 Full CH06 2437MHz - R																														
CDD 1+2	Vertical	Fundamental																													
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 23  Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : (FR)230405 Plane : Z Polar : Full-directivity IMEI : #1 PowerSetting : 0B <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>deg</th></tr><tr><td>1</td><td>2483.62</td><td>59.93</td><td>-14.07</td><td>74.00</td><td>56.92</td><td>32.98</td><td>7.25</td><td>36.82</td><td>148</td><td>97</td><td>Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	deg	1	2483.62	59.93	-14.07	74.00	56.92	32.98	7.25	36.82	148	97	Peak	VERTICAL	Left blank
Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase																								
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Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 24  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RRM 1000.000kHz VSW:3000.000kHz SWT:Auto Bode : (FR)230405 Plane : Z Polar : Full-directivity IMEI : #1 PowerSetting : 0B <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>deg</th></tr><tr><td>1</td><td>2483.50</td><td>47.33</td><td>-6.67</td><td>54.00</td><td>43.92</td><td>32.98</td><td>7.25</td><td>36.82</td><td>148</td><td>97</td><td>Average</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	deg	1	2483.50	47.33	-6.67	54.00	43.92	32.98	7.25	36.82	148	97	Average	VERTICAL	Left blank
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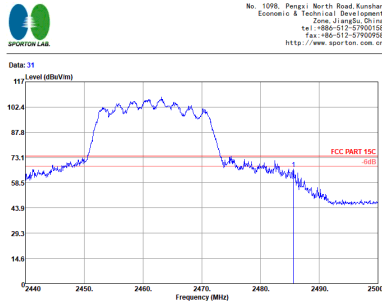
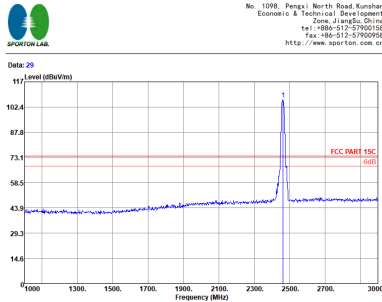
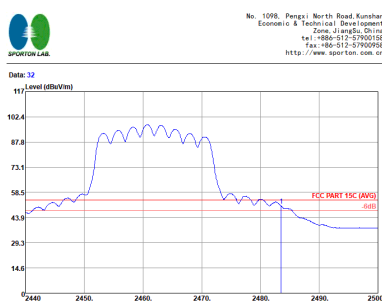
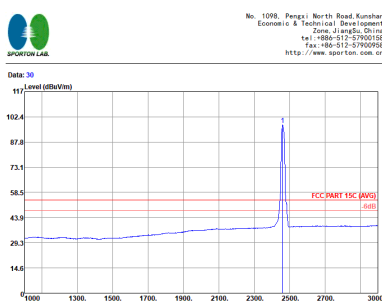


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																						
ANT	802.11ax HE20 Full CH10 2457MHz																																																																																																																						
CDD 1+2	Horizontal	Fundamental																																																																																																																					
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57902158 Fax: +86-512-57902958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 3000.000KHz SRT Auto Bode : FR2230405 Plane : 2 Full-directivity IME1 : #14 Powersetting : #2 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>cn</th><th>deg</th></tr><tr><td>1 1</td><td>2483.50</td><td>68.22</td><td>-5.78</td><td>74.00</td><td>64.81</td><td>32.98</td><td>7.25</td><td>36.82</td><td>300</td><td>14</td><td>Peak</td><td>HORIZONTAL</td></tr></table>  No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57902158 Fax: +86-512-57902958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 3000.000KHz SRT Auto Bode : FR2230405 Plane : 2 Full-directivity IME1 : #14 Powersetting : #2 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>cn</th><th>deg</th></tr><tr><td>1 *</td><td>2458.00</td><td>108.32</td><td>34.32</td><td>74.00</td><td>104.97</td><td>32.96</td><td>7.22</td><td>36.83</td><td>300</td><td>14</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	cn	deg	1 1	2483.50	68.22	-5.78	74.00	64.81	32.98	7.25	36.82	300	14	Peak	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	cn	deg	1 *	2458.00	108.32	34.32	74.00	104.97	32.96	7.22	36.83	300	14	Peak	HORIZONTAL	Avg.	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57902158 Fax: +86-512-57902958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (Ave) 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 0.2700KHz SRT Auto Bode : FR2230405 Plane : 2 Full-directivity IME1 : #14 Powersetting : #2 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>cn</th><th>deg</th></tr><tr><td>1 1</td><td>2483.50</td><td>50.78</td><td>-3.22</td><td>54.00</td><td>47.37</td><td>32.98</td><td>7.25</td><td>36.82</td><td>300</td><td>14</td><td>Average</td><td>HORIZONTAL</td></tr></table>  No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57902158 Fax: +86-512-57902958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (Ave) 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 0.2700KHz SRT Auto Bode : FR2230405 Plane : 2 Full-directivity IME1 : #14 Powersetting : #2 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>cn</th><th>deg</th></tr><tr><td>1 *</td><td>2458.00</td><td>98.75</td><td>44.75</td><td>54.00</td><td>95.40</td><td>32.96</td><td>7.22</td><td>36.83</td><td>300</td><td>14</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	cn	deg	1 1	2483.50	50.78	-3.22	54.00	47.37	32.98	7.25	36.82	300	14	Average	HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	dBm/100MHz	cn	deg	1 *	2458.00	98.75	44.75	54.00	95.40	32.96	7.22	36.83	300	14	Average	HORIZONTAL
Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																																
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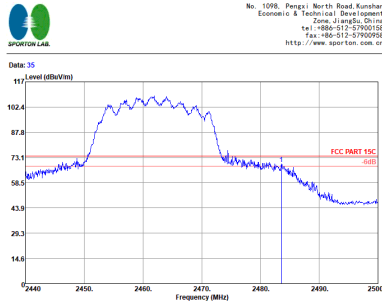
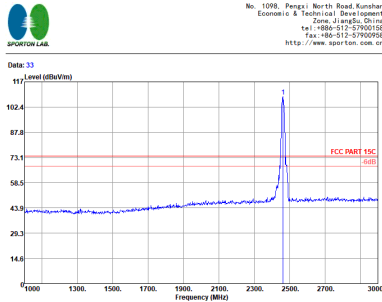
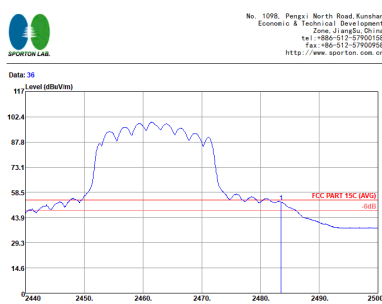
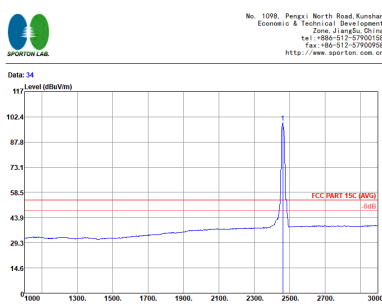


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Peak	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (FR)230405 Plane : 2 Full-directivity IME1 : Full-directivity Powersetting : #14 #62 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1 1</td><td>2483.50</td><td>68.69</td><td>-5.31</td><td>74.00</td><td>65.28</td><td>32.98</td><td>7.25 36.82 141</td><td>97 Peak</td><td>VERTICAL</td></tr></table>  No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (FR)230405 Plane : 2 Full-directivity IME1 : Full-directivity Powersetting : #14 #62 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1 *</td><td>2458.00</td><td>111.90</td><td>37.90</td><td>74.00</td><td>108.55</td><td>32.96</td><td>7.22 36.83 141</td><td>97 Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	cn	deg	1 1	2483.50	68.69	-5.31	74.00	65.28	32.98	7.25 36.82 141	97 Peak	VERTICAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	cn	deg	1 *	2458.00	111.90	37.90	74.00	108.55	32.96	7.22 36.83 141	97 Peak	VERTICAL	Avg.	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 0.2700kHz SRT Auto Bode : (FR)230405 Plane : 2 Full-directivity IME1 : Full-directivity Powersetting : #14 #62 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1 1</td><td>2483.50</td><td>52.57</td><td>-1.43</td><td>54.00</td><td>49.16</td><td>32.98</td><td>7.25 36.82 141</td><td>97 Average</td><td>VERTICAL</td></tr></table>  No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 0.2700kHz SRT Auto Bode : (FR)230405 Plane : 2 Full-directivity IME1 : Full-directivity Powersetting : #14 #62 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1 *</td><td>2458.00</td><td>102.25</td><td>48.25</td><td>54.00</td><td>98.90</td><td>32.96</td><td>7.22 36.83 141</td><td>97 Average</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	cn	deg	1 1	2483.50	52.57	-1.43	54.00	49.16	32.98	7.25 36.82 141	97 Average	VERTICAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	cn	deg	1 *	2458.00	102.25	48.25	54.00	98.90	32.96	7.22 36.83 141	97 Average	VERTICAL
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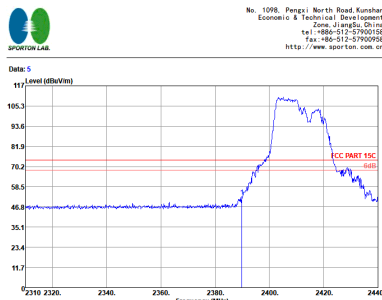
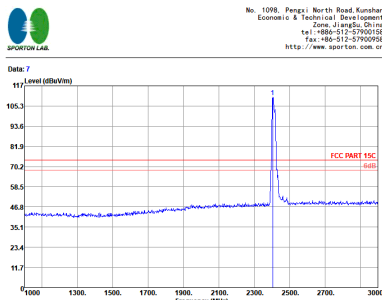
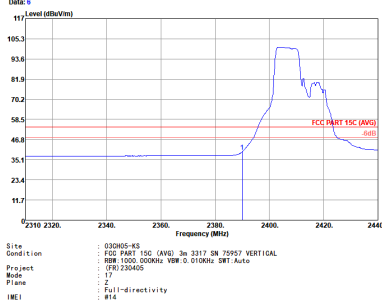
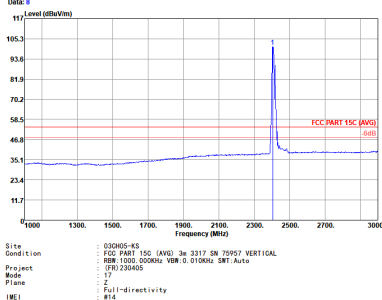


WIFI		2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																										
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Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57902158 Fax: +86-512-57902958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (FR) 230405 Plane : 19 Plane : 2 Full-directivity IME1 : Full-directivity Powersetting : #14 #46 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cn</th></tr><tr><td>1</td><td>2485.60</td><td>66.55</td><td>-7.45</td><td>74.00</td><td>63.14</td><td>32.98</td><td>7.25</td><td>36.82</td><td>299</td><td>15</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cn	1	2485.60	66.55	-7.45	74.00	63.14	32.98	7.25	36.82	299	15	Peak	HORIZONTAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57902158 Fax: +86-512-57902958 http://www.sporton.com.cn Site : 030805-KS Condition : FCC PART 15C 3m 3317 SN 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT Auto Bode : (FR) 230405 Plane : 19 Plane : 2 Full-directivity IME1 : Full-directivity Powersetting : #14 #46 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cn</th></tr><tr><td>1</td><td>2464.00</td><td>106.85</td><td>32.85</td><td>74.00</td><td>103.50</td><td>32.96</td><td>7.22</td><td>36.83</td><td>299</td><td>15</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cn	1	2464.00	106.85	32.85	74.00	103.50	32.96	7.22	36.83	299	15	Peak	HORIZONTAL
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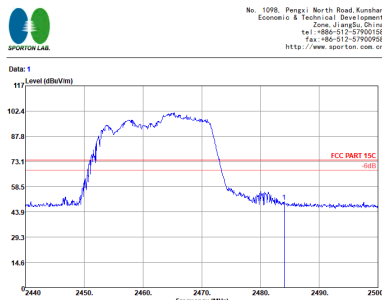
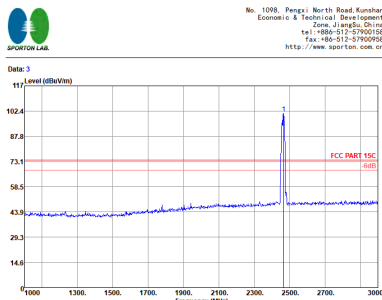
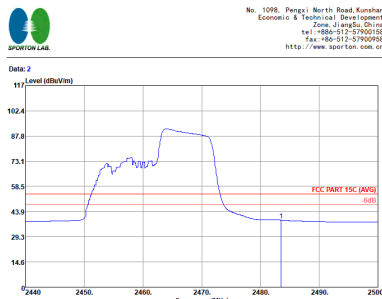
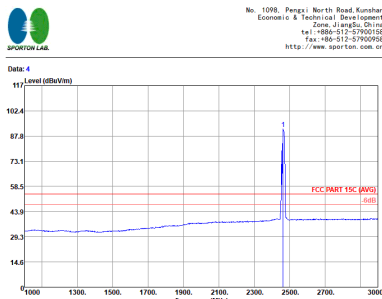


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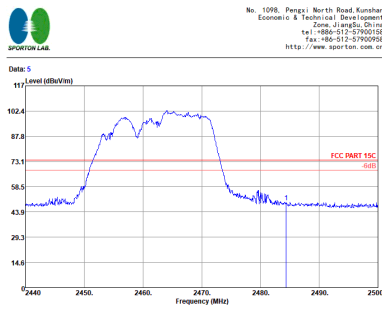
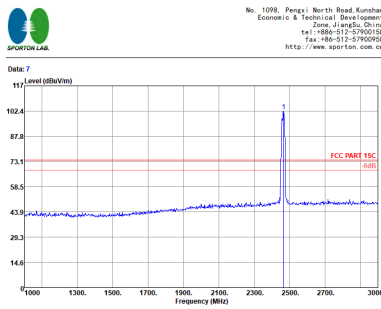
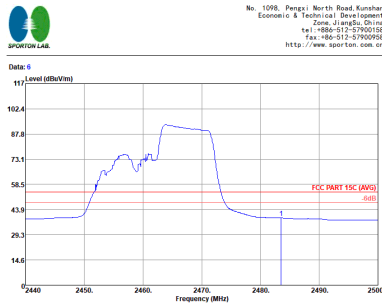
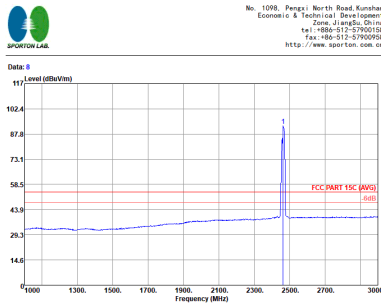


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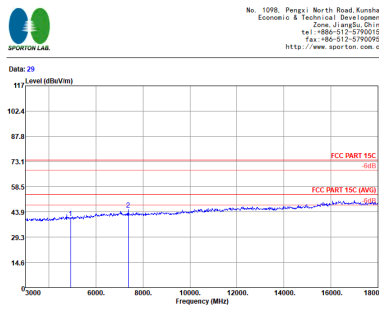
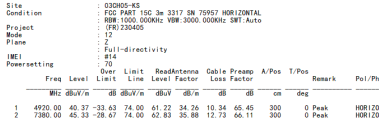
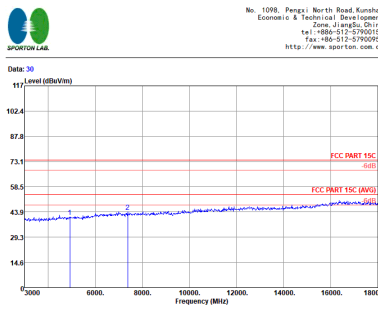
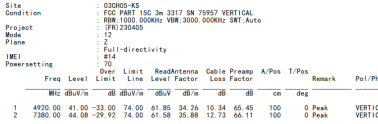


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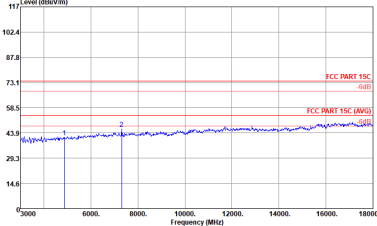
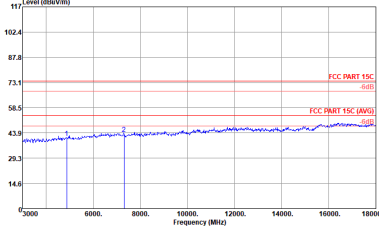


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Peak	The plot shows the peak spectrum for the horizontal polarization. The y-axis is Level (dBm/100kHz) from 0 to 117. The x-axis is Frequency (MHz) from 3000 to 18000. A red line indicates the FCC PART 15C limit at approximately 73.1 dBm. The measured signal is shown as a blue line with a peak at 2462 MHz. The table below provides detailed data for the peak spectrum measurement. <table><tr><th>Site</th><th>Condition</th><th>Project</th><th>Mode</th><th>Plane</th><th>IMEI</th><th>Power setting</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>030905-K5</td><td>FCC PART 15C 3m 3317.5M 75957 HORIZONTAL</td><td>R8W 1000.000kHz VBR 3000.000kHz SRT Auto</td><td>FR230405C</td><td>12</td><td>2</td><td>Full-directivity</td><td>dB</td><td>dBm</td><td>dB</td><td>cm</td><td>deg</td><td>0 Peak</td><td>HORIZONTAL</td></tr><tr><td>4920.00</td><td>40.37</td><td>-33.43</td><td>74.00</td><td>61.22</td><td>34.26</td><td>10.34</td><td>65.45</td><td>300</td><td>0</td><td>Peak</td><td></td><td></td><td>HORIZONTAL</td></tr><tr><td>7380.00</td><td>45.33</td><td>-28.67</td><td>74.00</td><td>62.83</td><td>35.88</td><td>12.73</td><td>66.11</td><td>300</td><td>0</td><td>Peak</td><td></td><td></td><td>HORIZONTAL</td></tr></table> The plot shows the peak spectrum for the vertical polarization. The y-axis is Level (dBm/100kHz) from 0 to 117. The x-axis is Frequency (MHz) from 3000 to 18000. A red line indicates the FCC PART 15C limit at approximately 73.1 dBm. The measured signal is shown as a blue line with a peak at 2462 MHz. The table below provides detailed data for the peak spectrum measurement. <table><tr><th>Site</th><th>Condition</th><th>Project</th><th>Mode</th><th>Plane</th><th>IMEI</th><th>Power setting</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>030905-K5</td><td>FCC PART 15C 3m 3317.5M 75957 VERTICAL</td><td>R8W 1000.000kHz VBR 3000.000kHz SRT Auto</td><td>FR230405C</td><td>12</td><td>2</td><td>Full-directivity</td><td>dB</td><td>dBm</td><td>dB</td><td>cm</td><td>deg</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>4920.00</td><td>41.00</td><td>-33.00</td><td>74.00</td><td>61.85</td><td>34.26</td><td>10.34</td><td>65.45</td><td>100</td><td>0</td><td>Peak</td><td></td><td></td><td>VERTICAL</td></tr><tr><td>7380.00</td><td>44.08</td><td>-29.92</td><td>74.00</td><td>61.98</td><td>35.88</td><td>12.73</td><td>66.11</td><td>100</td><td>0</td><td>Peak</td><td></td><td></td><td>VERTICAL</td></tr></table>	Site	Condition	Project	Mode	Plane	IMEI	Power setting	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase	030905-K5	FCC PART 15C 3m 3317.5M 75957 HORIZONTAL	R8W 1000.000kHz VBR 3000.000kHz SRT Auto	FR230405C	12	2	Full-directivity	dB	dBm	dB	cm	deg	0 Peak	HORIZONTAL	4920.00	40.37	-33.43	74.00	61.22	34.26	10.34	65.45	300	0	Peak			HORIZONTAL	7380.00	45.33	-28.67	74.00	62.83	35.88	12.73	66.11	300	0	Peak			HORIZONTAL	Site	Condition	Project	Mode	Plane	IMEI	Power setting	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phase	030905-K5	FCC PART 15C 3m 3317.5M 75957 VERTICAL	R8W 1000.000kHz VBR 3000.000kHz SRT Auto	FR230405C	12	2	Full-directivity	dB	dBm	dB	cm	deg	0 Peak	VERTICAL	4920.00	41.00	-33.00	74.00	61.85	34.26	10.34	65.45	100	0	Peak			VERTICAL	7380.00	44.08	-29.92	74.00	61.98	35.88	12.73	66.11	100	0	Peak			VERTICAL
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WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																					
ANT	802.11g CH06 2437MHz																																																																																					
CDD 1+2	Horizontal	Vertical																																																																																				
Peak Avg.	 SPORTEL LAB. No. 1099, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sportel.com.cn Data: 13 117 Level (dBm/100kHz)  117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 0 FCC PART 15C (dBm) FCC PART 15C (dBm) FCC PART 15C (dBm) Frequency (MHz) Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT:Auto Model : FPC230405 Plane : 14 Plane : Full-directivity IMEI : 814 Power setting : 60 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>4875.00</td><td>41.23</td><td>-32.77</td><td>74.00</td><td>62.13</td><td>34.23</td><td>10.29</td><td>65.42</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>7305.00</td><td>46.17</td><td>-27.83</td><td>74.00</td><td>63.50</td><td>35.86</td><td>12.72</td><td>65.91</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Line	Level	Factor	Loss	Factor	dB	deg	1	4875.00	41.23	-32.77	74.00	62.13	34.23	10.29	65.42	300	0 Peak	HORIZONTAL	2	7305.00	46.17	-27.83	74.00	63.50	35.86	12.72	65.91	300	0 Peak	HORIZONTAL	 SPORTEL LAB. No. 1099, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sportel.com.cn Data: 14 117 Level (dBm/100kHz)  117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 0 FCC PART 15C (dBm) FCC PART 15C (dBm) FCC PART 15C (dBm) Frequency (MHz) Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT:Auto Model : FPC230405 Plane : 14 Plane : Full-directivity IMEI : 814 Power setting : 60 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>4875.00</td><td>41.15</td><td>-32.85</td><td>74.00</td><td>62.05</td><td>34.23</td><td>10.29</td><td>65.42</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>7305.00</td><td>43.32</td><td>-30.68</td><td>74.00</td><td>60.65</td><td>35.86</td><td>12.72</td><td>65.91</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Line	Level	Factor	Loss	Factor	dB	deg	1	4875.00	41.15	-32.85	74.00	62.05	34.23	10.29	65.42	100	0 Peak	VERTICAL	2	7305.00	43.32	-30.68	74.00	60.65	35.86	12.72	65.91	100	0 Peak	VERTICAL
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WIFI

2.4GHz 2400~2483.5MHz Harmonic @ 3m

ANT

802.11g CH10 2457MHz

CDD 1+2

Horizontal

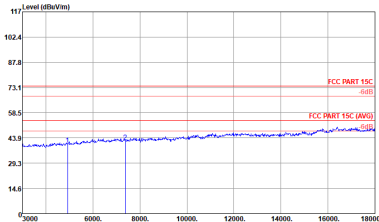
Vertical



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http://www.sportron.com.cn

Data: 9



Site Condition: 03CH05-KS
Condition: FCC PART 15C 3m 3317 SN 70957 HORIZONTAL
Project: H88 1000 0000MHz V98 3000 0000MHz SBT Auto
Model: (FR)230405
Mode: 2
Plane: Full-directivity
WEI: #14
Powersetting: 66

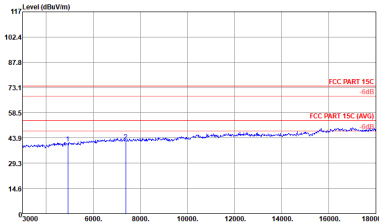
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pul/Phase
	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	dB	cm	deg
1	4920.00	40.20	-33.80	74.00	61.55	34.26	10.34	65.45	300	0	Peak HORIZONTAL
2	7380.00	41.97	-32.13	74.00	59.37	35.88	12.73	66.11	300	0	Peak HORIZONTAL



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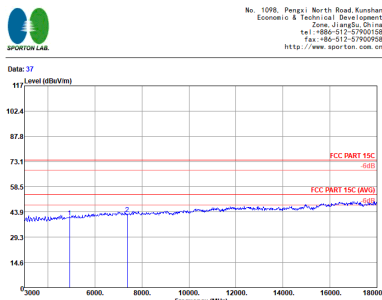
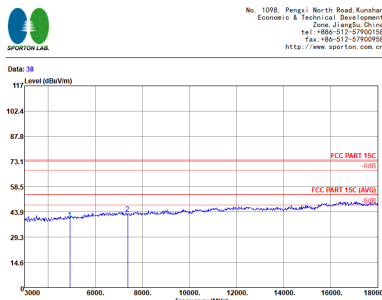
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Site Condition: 03CH05-KS
Condition: FCC PART 15C 3m 3317 SN 70957 VERTICAL
Project: H88 1000 0000MHz V98 3000 0000MHz SBT Auto
Model: (FR)230405
Mode: 2
Plane: Full-directivity
WEI: #14
Powersetting: 66

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pul/Phase
	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	dB	dB	cm	deg
1	4920.00	40.70	-33.30	74.00	61.55	34.26	10.34	65.45	100	0	Peak VERTICAL
2	7380.00	41.93	-32.07	74.00	59.37	35.88	12.73	66.11	100	0	Peak VERTICAL

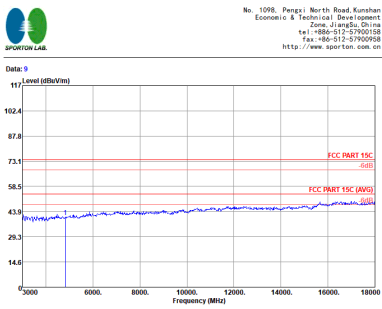
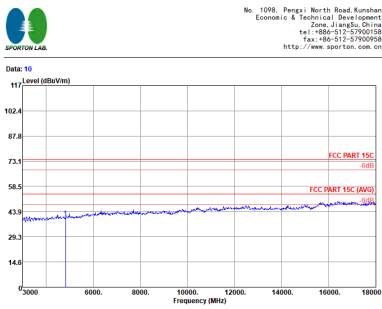
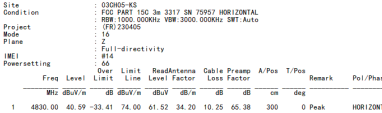
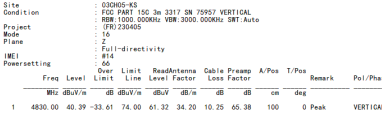


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																																					
ANT	802.11g CH11 2462MHz																																																																																																					
CDD 1+2	Horizontal					Vertical																																																																																																
Peak Avg.	 No. 1099, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RSM 1000.000KHz VSW:3000.000KHz SRT:Auto Bode : (F)230405C Plane : 15 Z : 2 Full-directivity : 0 IME1 : 0 Powersetting : 40 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>cm</th><th>deg</th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>4920.00</td><td>40.82</td><td>-33.18</td><td>74.00</td><td>61.67</td><td>34.26</td><td>10.34</td><td>65.45</td><td>300</td><td>0</td><td>Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>7380.00</td><td>42.58</td><td>-31.42</td><td>74.00</td><td>60.08</td><td>35.88</td><td>12.73</td><td>66.11</td><td>300</td><td>0</td><td>Peak</td><td>HORIZONTAL</td></tr></tbody></table>					Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100KHz	dBm/100KHz	dBm/100KHz	dBm/100KHz	dBm/100KHz	cm	deg			1	4920.00	40.82	-33.18	74.00	61.67	34.26	10.34	65.45	300	0	Peak	HORIZONTAL	2	7380.00	42.58	-31.42	74.00	60.08	35.88	12.73	66.11	300	0	Peak	HORIZONTAL	 No. 1099, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RSM 1000.000KHz VSW:3000.000KHz SRT:Auto Bode : (F)230405C Plane : 15 Z : 2 Full-directivity : 0 IME1 : 0 Powersetting : 40 <table><thead><tr><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>MHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>dBm/100KHz</th><th>cm</th><th>deg</th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>4920.00</td><td>39.77</td><td>-34.23</td><td>74.00</td><td>60.62</td><td>34.26</td><td>10.34</td><td>65.45</td><td>100</td><td>0</td><td>Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>7380.00</td><td>43.04</td><td>-30.96</td><td>74.00</td><td>60.04</td><td>35.88</td><td>12.73</td><td>66.11</td><td>100</td><td>0</td><td>Peak</td><td>VERTICAL</td></tr></tbody></table>					Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	MHz	dBm/100KHz	dBm/100KHz	dBm/100KHz	dBm/100KHz	dBm/100KHz	cm	deg			1	4920.00	39.77	-34.23	74.00	60.62	34.26	10.34	65.45	100	0	Peak	VERTICAL	2	7380.00	43.04	-30.96	74.00	60.04	35.88	12.73	66.11	100	0	Peak	VERTICAL
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2.4GHz 2400~2483.5MHz

WIFI 802.11 ax HE20 Full (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH01 2412MHz	
CDD 1+2	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengji North Road, Kunshan Economic & Technological Development Zone, Jiangsu China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RRM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : FREQ230405 Plane : Z Full-directivity #14 Power setting : 60 Over Limit ReadAntenna Cable Preamp A/Pwr T/Pwr Freq Level Limit Line Level Factor Loss Factor db dbd Remark Pol/Phas 1 4830.00 40.59 -33.41 74.00 61.52 34.20 10.25 65.38 300 0 Peak HORIZONTAL	 No. 1098, Pengji North Road, Kunshan Economic & Technological Development Zone, Jiangsu China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RRM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : FREQ230405 Plane : Z Full-directivity #14 Power setting : 60 Over Limit ReadAntenna Cable Preamp A/Pwr T/Pwr Freq Level Limit Line Level Factor Loss Factor db dbd Remark Pol/Phas 1 4830.00 40.39 -33.41 74.00 61.32 34.20 10.25 65.38 100 0 Peak VERTICAL
	 Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RRM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : FREQ230405 Plane : Z Full-directivity #14 Power setting : 60 Over Limit ReadAntenna Cable Preamp A/Pwr T/Pwr Freq Level Limit Line Level Factor Loss Factor db dbd Remark Pol/Phas 1 4830.00 40.59 -33.41 74.00 61.52 34.20 10.25 65.38 300 0 Peak HORIZONTAL	 Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RRM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : FREQ230405 Plane : Z Full-directivity #14 Power setting : 60 Over Limit ReadAntenna Cable Preamp A/Pwr T/Pwr Freq Level Limit Line Level Factor Loss Factor db dbd Remark Pol/Phas 1 4830.00 40.39 -33.41 74.00 61.32 34.20 10.25 65.38 100 0 Peak VERTICAL

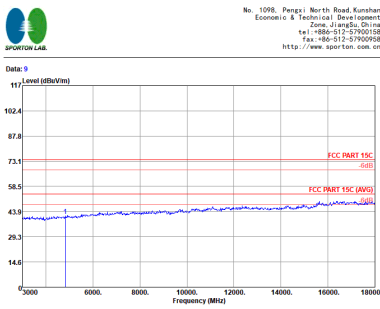
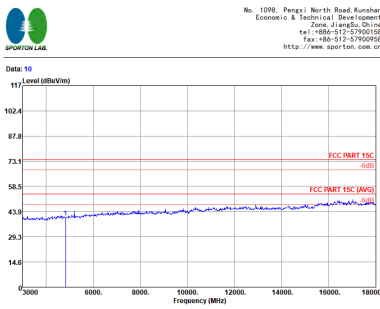
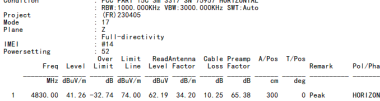
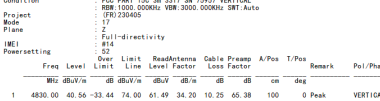


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11 ax HE20 Full CH11 2462MHz	
CDD 1+2	Horizontal	Vertical
Peak Avg.	No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT:Auto Bode : (F2)230405 Plane : 19 Z : 2 Full-directivity IMEI : #1 Power setting : 40 Over Limit : ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phase 1 4920.00 40.78 -33.72 74.00 61.13 34.26 10.34 65.45 300 0 Peak HORIZONTAL 2 7380.00 42.72 -31.28 74.00 60.22 35.88 12.73 66.11 300 0 Peak HORIZONTAL	No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SRT:Auto Bode : (F2)230405 Plane : 19 Z : 2 Full-directivity IMEI : #1 Power setting : 40 Over Limit : ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phase 1 4920.00 40.43 -33.57 74.00 61.38 34.26 10.34 65.45 100 0 Peak VERTICAL 2 7380.00 42.58 -31.42 74.00 60.08 35.88 12.73 66.11 100 0 Peak VERTICAL

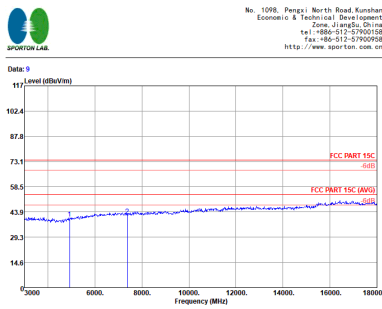
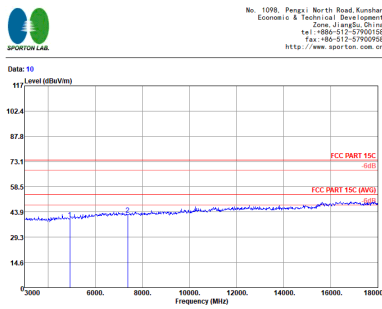


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH01 2412MHz	
CDD 1+2	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RRM 1000.000KHz VSW 3000.000KHz SMT Auto Mode : FPO 230405 Plane : Z Full-directivity #14 (WE) Powersetting : 52 Over Limit ReadAntenna Cable Preamp A/Pow T/Pow Freq Level Limit Line Level Factor Loss Factor dB cm deg Remark Pol/Phas 1 4830.00 41.26 -32.74 74.00 62.19 34.20 10.25 65.38 300 0 Peak HORIZONTAL	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RRM 1000.000KHz VSW 3000.000KHz SMT Auto Mode : FPO 230405 Plane : Z Full-directivity #14 (WE) Powersetting : 52 Over Limit ReadAntenna Cable Preamp A/Pow T/Pow Freq Level Limit Line Level Factor Loss Factor dB cm deg Remark Pol/Phas 1 4830.00 40.56 -33.44 74.00 61.49 34.20 10.25 65.38 100 0 Peak VERTICAL
	 Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RRM 1000.000KHz VSW 3000.000KHz SMT Auto Mode : FPO 230405 Plane : Z Full-directivity #14 (WE) Powersetting : 52 Over Limit ReadAntenna Cable Preamp A/Pow T/Pow Freq Level Limit Line Level Factor Loss Factor dB cm deg Remark Pol/Phas 1 4830.00 41.26 -32.74 74.00 62.19 34.20 10.25 65.38 300 0 Peak HORIZONTAL	 Site : 030905-KS Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RRM 1000.000KHz VSW 3000.000KHz SMT Auto Mode : FPO 230405 Plane : Z Full-directivity #14 (WE) Powersetting : 52 Over Limit ReadAntenna Cable Preamp A/Pow T/Pow Freq Level Limit Line Level Factor Loss Factor dB cm deg Remark Pol/Phas 1 4830.00 40.56 -33.44 74.00 61.49 34.20 10.25 65.38 100 0 Peak VERTICAL

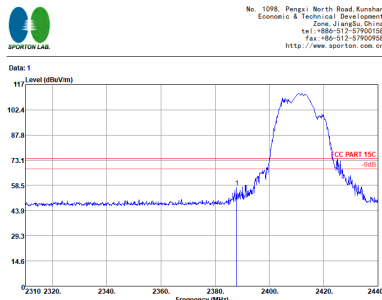
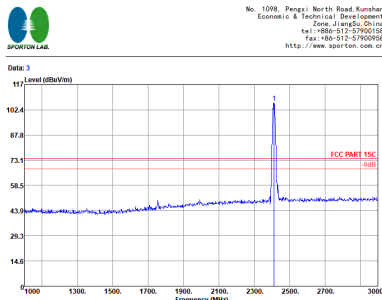
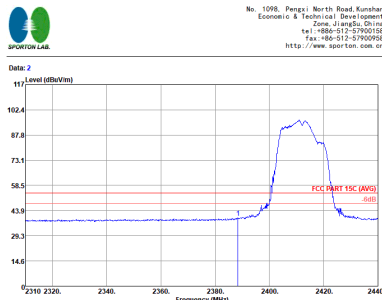
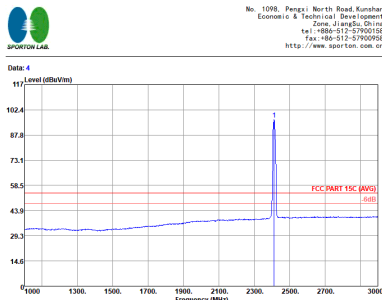


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																									
ANT	802.11ax HE20 Partial 106/54 CH11 2462MHz																																																																									
CDD 1+2	Horizontal	Vertical																																																																								
Peak Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 HORIZONTAL Project : RSM 1000.000KHz VBR 3000.000KHz SRT:Auto Bode : FPC230405C Plane : 20 Full-directivity : 2 IMEI : 814 Power setting : 20 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><td>4920.00</td><td>39.93</td><td>-34.07</td><td>74.00</td><td>60.78</td><td>34.26</td><td>10.34</td><td>65.45</td><td>300</td></tr><tr><td>7380.00</td><td>41.86</td><td>-32.14</td><td>74.00</td><td>59.36</td><td>35.88</td><td>12.73</td><td>66.11</td><td>300</td></tr></table> 0 Peak HORIZONTAL 0 Peak HORIZONTAL	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Limit	Line	Level	Factor	Loss	Factor		4920.00	39.93	-34.07	74.00	60.78	34.26	10.34	65.45	300	7380.00	41.86	-32.14	74.00	59.36	35.88	12.73	66.11	300	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3m 3317.5M 75957 VERTICAL Project : RSM 1000.000KHz VBR 3000.000KHz SRT:Auto Bode : FPC230405C Plane : 20 Full-directivity : 2 IMEI : 814 Power setting : 20 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phase</th></tr><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><td>4920.00</td><td>39.79</td><td>-34.21</td><td>74.00</td><td>60.64</td><td>34.26</td><td>10.34</td><td>65.45</td><td>100</td></tr><tr><td>7380.00</td><td>42.51</td><td>-31.49</td><td>74.00</td><td>60.01</td><td>35.88</td><td>12.73</td><td>66.11</td><td>100</td></tr></table> 0 Peak VERTICAL 0 Peak VERTICAL	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Limit	Line	Level	Factor	Loss	Factor		4920.00	39.79	-34.21	74.00	60.64	34.26	10.34	65.45	100	7380.00	42.51	-31.49	74.00	60.01	35.88	12.73	66.11	100
	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor																																																																			
4920.00	39.93	-34.07	74.00	60.78	34.26	10.34	65.45	300																																																																		
7380.00	41.86	-32.14	74.00	59.36	35.88	12.73	66.11	300																																																																		
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase																																																																		
Freq	Level	Limit	Line	Level	Factor	Loss	Factor																																																																			
4920.00	39.79	-34.21	74.00	60.64	34.26	10.34	65.45	100																																																																		
7380.00	42.51	-31.49	74.00	60.01	35.88	12.73	66.11	100																																																																		

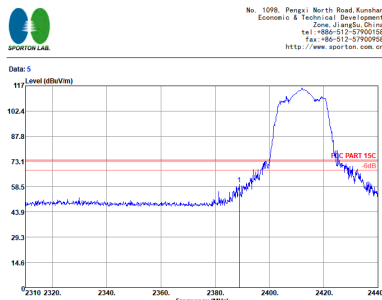
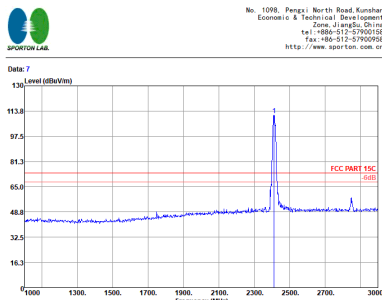
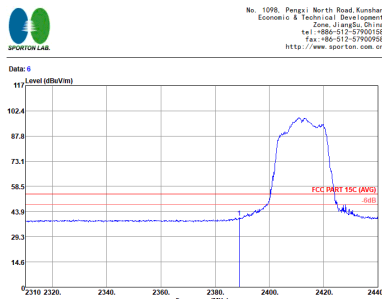
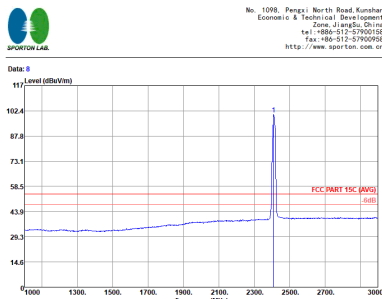


2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																	
ANT	802.11ax HE20 Full CH01 2412MHz																																																																																																																																	
CDD 1+2	Horizontal	Fundamental																																																																																																																																
Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 79957 HORIZONTAL Project : RSM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1 2388.00</td><td>57.29</td><td>-16.71</td><td>74.00</td><td>54.17</td><td>32.88</td><td>7.10</td><td>36.86 255 99 Peak HORIZONTAL</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 79957 HORIZONTAL Project : RSM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1 * 2412.00</td><td>106.53</td><td>32.53</td><td>74.00</td><td>103.35</td><td>32.90</td><td>7.13</td><td>36.85 255 99 Peak HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	deg	1 2388.00	57.29	-16.71	74.00	54.17	32.88	7.10	36.86 255 99 Peak HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	deg	1 * 2412.00	106.53	32.53	74.00	103.35	32.90	7.13	36.85 255 99 Peak HORIZONTAL	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 79957 HORIZONTAL Project : RSM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1 2388.39</td><td>39.74</td><td>-14.26</td><td>54.00</td><td>36.62</td><td>32.88</td><td>7.10</td><td>36.86 255 99 Average HORIZONTAL</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 79957 HORIZONTAL Project : RSM 1000.000KHz VSW 3000.000KHz SRT Auto Mode : (FR) 230405 Plane : Z Full-directivity : Full-directivity Powersetting : #14 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1 * 2412.00</td><td>96.70</td><td>42.70</td><td>54.00</td><td>93.52</td><td>32.90</td><td>7.13</td><td>36.85 255 99 Average HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	deg	1 2388.39	39.74	-14.26	54.00	36.62	32.88	7.10	36.86 255 99 Average HORIZONTAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	deg	1 * 2412.00	96.70	42.70	54.00	93.52	32.90	7.13	36.85 255 99 Average HORIZONTAL
Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																																											
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Peak	 No. 1098, Pengxi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SMT-Auto Bode : (F)230405 Plane : 20 Plane : 2 Full-directivity IME1 : #14 Powersetting : #68 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>2388.91</td><td>40.11</td><td>-13.89</td><td>74.00</td><td>56.99</td><td>32.88</td><td>7.10</td><td>36.86</td><td>286</td><td>360</td><td>Peak</td><td>VERTICAL</td></tr></table>  No. 1098, Pengxi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SMT-Auto Bode : (F)230405 Plane : 20 Plane : 2 Full-directivity IME1 : #14 Powersetting : #68 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>2412.00</td><td>111.10</td><td>37.10</td><td>74.00</td><td>107.92</td><td>32.90</td><td>7.13</td><td>36.85</td><td>286</td><td>360</td><td>Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cn	deg	1	2388.91	40.11	-13.89	74.00	56.99	32.88	7.10	36.86	286	360	Peak	VERTICAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cn	deg	1	2412.00	111.10	37.10	74.00	107.92	32.90	7.13	36.85	286	360	Peak	VERTICAL	Avg.	 No. 1098, Pengxi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SMT-Auto Bode : (F)230405 Plane : 20 Plane : 2 Full-directivity IME1 : #14 Powersetting : #68 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>2388.91</td><td>40.29</td><td>-13.71</td><td>54.00</td><td>37.17</td><td>32.88</td><td>7.10</td><td>36.86</td><td>286</td><td>360</td><td>Average</td><td>VERTICAL</td></tr></table>  No. 1098, Pengxi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3317 SN 75957 VERTICAL Project : RSM 1000.000kHz VBR 3000.000kHz SMT-Auto Bode : (F)230405 Plane : 20 Plane : 2 Full-directivity IME1 : #14 Powersetting : #68 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>2410.00</td><td>100.22</td><td>46.22</td><td>54.00</td><td>97.04</td><td>32.90</td><td>7.13</td><td>36.85</td><td>286</td><td>360</td><td>Average</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cn	deg	1	2388.91	40.29	-13.71	54.00	37.17	32.88	7.10	36.86	286	360	Average	VERTICAL	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cn	deg	1	2410.00	100.22	46.22	54.00	97.04	32.90	7.13	36.85	286	360	Average	VERTICAL
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