FCC PART 15E TEST REPORT FOR CERTIFICATION
On Behalf of

Planet Computers Limited

COSMO

COSMO COMMUNICATOR

FCC ID: 2AO7Q-COSMO

Prepared for : Planet Computers Limited
Suite #9, 56 Sloane Square, London, SW1W 8AX, United Kingdom

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
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Report Number : ACS-F19152
Date of Test : Jul.22~Dec.03, 2019
Date of Report : Dec.04, 2019

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TEST REPORT CERTIFICATION

Applicant	:	Planet Computers Limited
Manufacturer	:	Planet Computers Limited
Product	:	COSMO
FCC ID	:	2AO7Q-COSMO
		(A) Model No. : COSMO COMMUNICATOR
		(B) Test Voltage : AC 120V/60Hz

Tested for comply with:
FCC CFR47 Part 15 Subpart E

Test procedure used:
ANSI C63.10: 2013
KDB789033D02 v02r01

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart E requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC and IC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1074. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Jul.22~Dec.03, 2019 Report of date: Dec.04, 2019

Prepared by : Monica Liu
Monica Liu / Assistant

Reviewed by : Sunny Jin
Sunny Lu / Deputy Manager

AUDIX® 信華科技（深圳）有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章
Stamp only for EMC Dept. Report
Signature: David Jin

Approved & Authorized Signer :
David Jin / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	**Standard**	**Results**
Power Line Conducted Emission	FCC Part 15: 15.207 FCC Part 15: 15.407(b)(6)	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.205 FCC Part 15.407(b)	PASS
Band Edge Compliance	FCC Part 15: 15.407(b) FCC Part 15.205	PASS
6dB & 26dB & 99% Bandwidth Test	FCC Part 15: 15.407(a)(5) FCC Part 15: 15.407(e)	PASS
Output Power Test	FCC Part 15: 15.407(a)	PASS
Power Spectral Density Test	FCC Part 15: 15.407(a)	PASS
Frequency Stability	FCC Part 15: 15.407(g)	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1.Description of Equipment Under Test

Applicant	Planet Computers Limited Suite #9, 56 Sloane Square, London, SW1W 8AX, United Kingdom
Manufacturer	Planet Computers Limited Suite #9, 56 Sloane Square, London, SW1W 8AX, United Kingdom
Factory	Shenzhen Eastaeon Technology Limited Company 4F, B block, Kingdee Software Park, 2 Keji South 12 Road, Nanshan District, Shenzhen
Product	COSMO
Model No.	COSMO COMMUNICATOR
FCC ID	2AO7Q-COSMO
Power Adapter	Manufacturer: SHENZHEN TIANYIN ELECTRONICS CO., LTD. Model: TPA-10120125UU-MTK Input: 100-240V~, 50/60Hz, 0.6A Output: 5V, 2A / 7V, 1.67A / 9V, 1.67A / 12V, 1.25A
Rechargeable Li-ion Battery	Manufacturer: Shenzhen 3sun Electronics Co., Ltd.; M/N: Gemini Standard Battery; Rating Voltage: 3.85V; Capacity: 4220mAh; Charge Voltage: 4.4V.
USB Cable	Shielded, Detachable, 0.8m
Sample Type	Prototype production
Date of Receipt	Jul.12, 2019
Date of Test	Jul.22~Dec.03, 2019

2.2.Feature of Equipment Under Test

Product Feature & Specification		
Product	COSMO	
Model No.	COSMO COMMUNICATOR	
Radio	IEEE802.11 a/b/g/n/ac; Bluetooth V3.0+EDR; Bluetooth V4.0; NFC	
Power Source	☒ Commercial Power	AC 100 ~ 240V, 0.6A
	☒ External Power Source	DC 5/7/9/12V, 2/1.67/1.67/1.25A
	☒ Lithium battery	DC 3.85V, 4220mAh
	☐ UM battery	DC V
NFC		
Frequency Range	13.56MHz	
Type of Modulation	ASK	
Bluetooth		
Bluetooth Version	V4.0 dual mode	
Frequency Range	2402-2480MHz	
Type of Modulation	GFSK, π/4DQPSK, 8DPSK	
Data Rate	1Mbps, 2Mbps, 3Mbps	
Quantity of Channels	79/40	
Channel Separation	1MHz/2MHz	
2.4GHz Wi-Fi		
Support Modes	802.11b/g/n20/n40	
Frequency Range	2412-2462MHz	
Type of Modulation	802.11b(DSSS): CCK, QPSK, BPSK; 802.11g/n(OFDM): 64QAM,16QAM, QPSK, BPSK	
Data Rate	802.11b: 11/5.5/2/1 Mbps; 802.11g: 54/48/36/24/18/12/9/6 Mbps; 802.11n: up to 150Mbps	
Channel Separation	5MHz	
5GHz Wi-Fi		
Support Modes	802.11a/n20/n40/ac20/ac40/ac80	
Frequency Range	5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz	
Type of Modulation	802.11a/ac/n (OFDM): QPSK, BPSK, 16QAM, 64QAM,256QAM	
Data Rate	802.11a: 54/48/36/24/18/12/9/6 Mbps; 802.11n up to 150 Mbps; 802.11ac: up to 400Mbps	
Channel Separation	5MHz	
Type of Product	Slave device without Radar detection	
Transmit Power Control	No Support	

Antenna System

NFC	
Type of Antenna	FPC Antenna
Antenna number	1
Antenna Peak Gain	0dBi
Bluetooth	
Type of Antenna	MONOPOLE Antenna
Antenna number	1
Antenna Peak Gain	-0.1dBi
Wi-Fi	
Type of Antenna	MONOPOLE Antenna
Antenna number	1
Antenna Peak Gain	DTS Band (2400-2483.5MHz) Peak Gain: -0.1dBi U-NII-1 Band(5150-5250MHz) Peak Gain: 0.6dBi U-NII-2A Band(5250-5350MHz) Peak Gain: 0.6dBi U-NII-2C Band(5470-5725MHz) Peak Gain: 0.4dBi U-NII-3 Band (5725-5850MHz) Peak Gain: 0.3dBi

2.3.Test Information

A special test software(The developer mode that comes with the device) was used to control EUT work in Continuous TX mode (The duty cycle of the test signal is 100%), and select test channel, wireless mode and data rate.

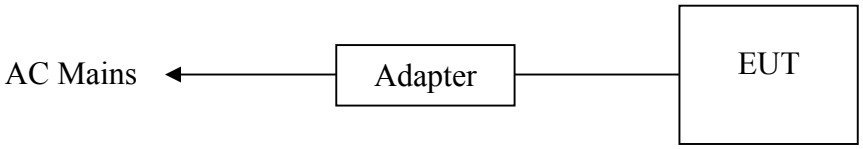
Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11a	6	Low :CH36	5180
	6	Middle: CH40	5200
	6	High: CH48	5240
	6	Low :CH52	5260
	6	Middle: CH60	5300
	6	High: CH64	5320
	6	Low :CH100	5500
	6	Middle: CH120	5600
	6	High: CH140	5700
	6	Low :CH149	5745
	6	Middle: CH157	5785
	6	High: CH165	5825
IEEE 802.11n HT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
	MCS0	Low :CH52	5260
	MCS0	Middle: CH60	5300
	MCS0	High: CH64	5320
	MCS0	Low :CH100	5500
	MCS0	Middle: CH120	5600
	MCS0	High: CH140	5700
	MCS0	Low :CH149	5745
	MCS0	Middle: CH157	5785
	MCS0	High: CH165	5825
IEEE 802.11n HT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
	MCS0	Low :CH54	5270
	MCS0	High: CH62	5310
	MCS0	Low :CH102	5510
	MCS0	Middle: CH118	5590
	MCS0	High: CH134	5670
	MCS0	Low :CH151	5755
	MCS0	High: CH159	5795

IEEE 802.11ac VHT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
	MCS0	Low :CH52	5260
	MCS0	Middle: CH60	5300
	MCS0	High: CH64	5320
	MCS0	Low :CH100	5500
	MCS0	Middle: CH120	5600
	MCS0	High: CH140	5700
	MCS0	Low :CH149	5745
	MCS0	Middle: CH157	5785
	MCS0	High: CH165	5825
IEEE 802.11ac VHT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
	MCS0	Low :CH54	5270
	MCS0	High: CH62	5310
	MCS0	Low :CH102	5510
	MCS0	Middle: CH118	5590
	MCS0	High: CH134	5670
	MCS0	Low :CH151	5755
	MCS0	High: CH159	5795
IEEE 802.11ac VHT80	MCS0	CH42	5210
	MCS0	CH58	5290
	MCS0	CH106	5530
	MCS0	CH122	5610
	MCS0	CH155	5775
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.4.Tested Supporting System Details

[None]

2.5.Block diagram of connection between the EUT and simulators



(EUT: COSMO)

2.6. Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Kefeng Road, Science & Technology Park, Nanshan District , Shenzhen, Guangdong, China
EMC Lab.	:	Certificated by Industry Canada Registration Number: IC 5183A-1 Valid Date: May.07, 2020
	:	Certificated by DAkkS, Germany Registration No: D-PL-12151-01-00 Valid Date: Dec.07, 2021
	:	Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2020
	:	Certificated by FCC USA. Designation No.: CN5022 Valid Date: Mar.31, 2020

2.7. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Conduction emission test in No. 1 Conduction	2.6dB(150KHz to 30MHz)
Uncertainty for Radiation Emission test in 3m chamber	3.6dB(30~200MHz, Polarization: H)
	4.0dB(30~200MHz, Polarization: V)
	3.6dB(200M~1GHz, Polarization: H)
	3.8dB(200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 3m chamber(1GHz-25GHz)	4.6dB(1~6GHz, Distance: 3m)
	4.6dB(6~25GHz, Distance: 3m)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.7dB(30MHz~1000MHz)
	3.3dB(1~26.5GHz)
Uncertainty for Conduction Spurious emission test	2.0dB
Uncertainty for Output power test	0.8dB
Uncertainty for Bandwidth test	83kHz
Uncertainty for DC power test	0.1%
Uncertainty for test site temperature and humidity	0.6℃
	3%

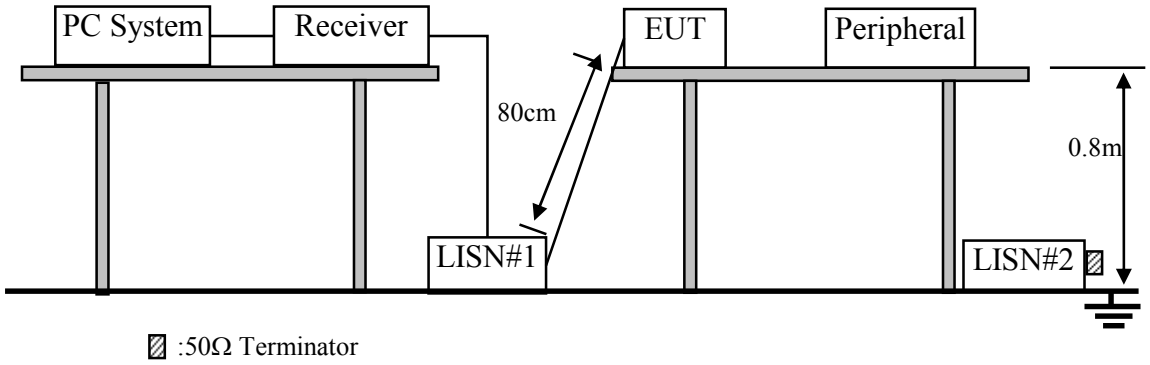
Note: EMI uncertainty is evaluated by CISPR16-4-2.
The value of measurement uncertainty of EMI is less than U_{CISPR}.
The value is not calculated in the test results.

3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	May.17,18	3 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.14,19	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ENV216	102160	Dec.01,18	1 Year
4.	L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr.18,19	1 Year
5.	Terminator	Hubersuhner	50Ω	No.1	Apr.14,19	1 Year
6.	Terminator	Hubersuhner	50Ω	No.2	Apr.14,19	1 Year
7.	RF Cable	Fujikura	RG55/U	No.1	Apr.13,19	1 Year
8.	Test Software	AUDIX	e3	6.100913a	N/A	N/A
Note: N/A means Not applicable.						

3.2.Block Diagram of Test Setup



3.3.Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1.COSMO (EUT)

Model No. : COSMO COMMUNICATOR
Serial No. : N/A

3.4.2.Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5.Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 3.2.

3.5.2.Turn on the power of all equipments.

3.5.3.PC run test software to control EUT work in Tx mode.

3.6.Test Procedure

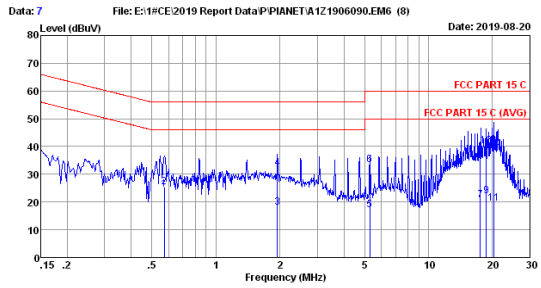
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7.Power Line Conducted Emission Test Results

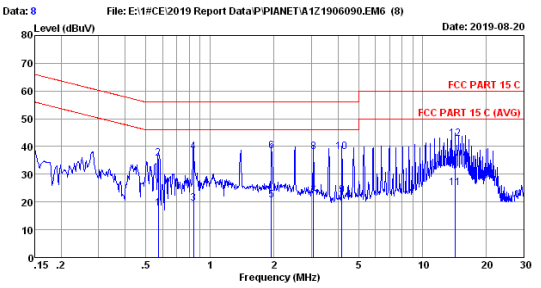
PASS. **(**All emissions not reported below are too low against the prescribed limits.)



Site no :1# Conduction
Dis./Lisn :2018 ENV216-L
Limit :FCC PART 15 C
Env./Ins. :Temp:23.8°C Humi:55%
EUT :COSMO M/N:COSMO COMMUNICATOR
Power Rating :AC 120V/60Hz
Test Mode :WiFi 5G
Data No :7
LISN phase:
Engineer :Evan

No	Freq (MHz)	LISN Factor (dB)	Cable loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.573	9.40	0.02	15.20	24.62	46.00	21.38	Average
2	0.573	9.40	0.02	16.00	25.42	56.00	30.58	QP
3	1.948	9.49	0.04	8.60	18.13	46.00	27.87	Average
4	1.948	9.49	0.04	22.70	32.23	56.00	23.77	QP
5	5.298	9.50	0.07	7.50	17.07	50.00	32.93	Average
6	5.298	9.50	0.07	23.90	33.47	60.00	26.53	QP
7	17.562	9.60	0.14	11.00	20.74	50.00	29.26	Average
8	17.562	9.60	0.14	27.30	37.04	60.00	22.96	QP
9	18.690	9.60	0.14	12.50	22.24	50.00	27.76	Average
10	18.690	9.60	0.14	30.30	40.04	60.00	19.96	QP
11	20.362	9.60	0.15	9.70	19.45	50.00	30.55	Average
12	20.362	9.60	0.15	29.70	39.45	60.00	20.55	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1# Conduction
Dis./Lisn :2018 ENV216-N
Limit :FCC PART 15 C
Env./Ins. :Temp:23.8°C Humi:55%
EUT :COSMO M/N:COSMO COMMUNICATOR
Power Rating :AC 120V/60Hz
Test Mode :WiFi 5G
Data No :8
LISN phase:
Engineer :Evan

No	Freq (MHz)	LISN Factor (dB)	Cable loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.573	9.40	0.02	8.29	17.71	46.00	28.29	Average
2	0.573	9.40	0.02	26.18	35.60	56.00	20.40	QP
3	0.839	9.40	0.03	10.13	19.56	46.00	26.44	Average
4	0.839	9.40	0.03	28.56	37.99	56.00	18.01	QP
5	1.949	9.40	0.04	11.34	20.78	46.00	25.22	Average
6	1.949	9.40	0.04	29.07	38.51	56.00	17.49	QP
7	3.074	9.45	0.05	12.78	22.28	46.00	23.72	Average
8	3.074	9.45	0.05	28.67	38.17	56.00	17.83	QP
9	4.180	9.50	0.06	12.95	22.51	46.00	23.49	Average
10	4.180	9.50	0.06	28.60	38.16	56.00	17.84	QP
11	14.213	9.58	0.12	15.35	25.05	50.00	24.95	Average
12	14.213	9.58	0.12	33.05	42.75	60.00	17.25	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1.Test Equipment

4.1.1.For frequency range 30 MHz ~1000MHz (In 3m Anechoic Chamber)

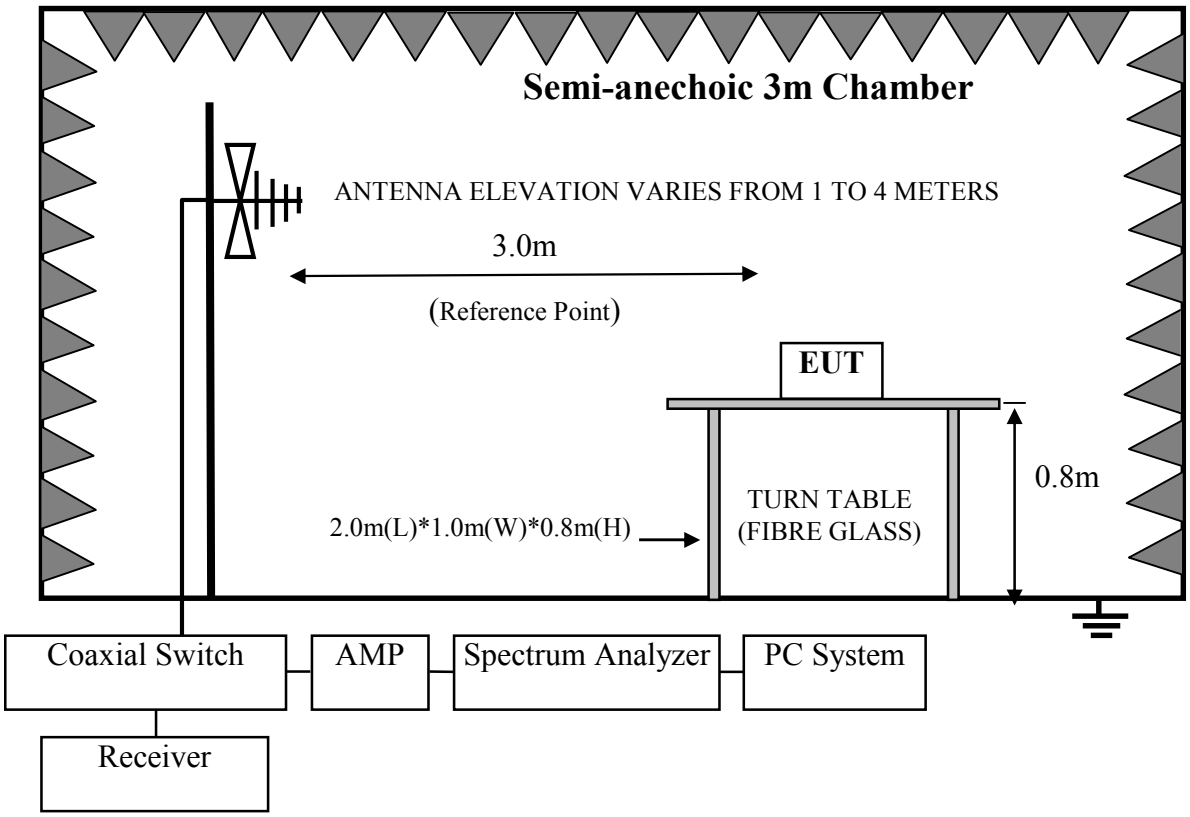
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber(NSA)	AUDIX	N/A	N/A	May.10,19	1 Year
2.	3#Chamber(SE)	AUDIX	N/A	N/A	May.17,18	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.14,19	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR7	101547	Apr.14,19	1 Year
5.	Amplifier	HP	8447D	2648A04738	Apr.14,19	1 Year
6.	Bi log Antenna	TESEQ	CBL6112D	35375	Nov.21,18	1 Year
7.	Loop Antenna	Chase	HLA6120	1062	Apr.18,19	1 Year
8.	NSA Cable	HUBER+SUHNER	CFD400NL-LW	No.3	Dec.01,18	1 Year
9.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.14,19	1 Year
10.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A
Note: N/A means Not applicable.						

4.1.2.For frequency range 1GHz~40GHz (In 3m Anechoic Chamber)

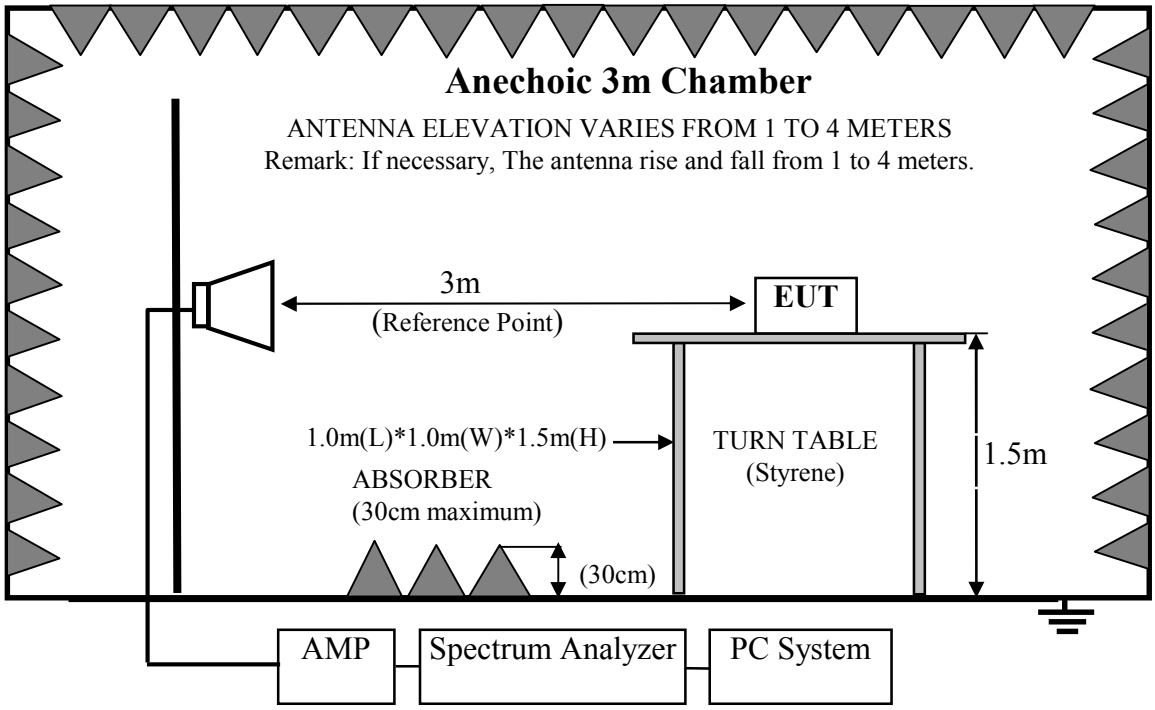
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber(Svswr)	AUDIX	N/A	N/A	Apr.18,19	1 Year
2.	3#Chamber(SE)	AUDIX	N/A	N/A	May.17,18	3 Year
3.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Jun.30,19	1 Year
4.	Horn Antenna	ETS	3115	9510-4580	Dec.13,18	1 Year
5.	Horn Antenna	ETS	3115	9510-4877	Dec.13,18	1 Year
6.	Horn Antenna	ETS	3116	00060089	Dec.13,18	1 Year
7.	Amplifier	HP	8449B	3008A00863	Apr.23,19	1 Year
8.	Amplifier	EMCI	EMC184040SE	980507	Jun.30,19	1 Year
9.	RF Cable	EMCI	EMC102-KM-KM-3500	170702	May.13,19	1 Year
10.	RF Cable	N/A	N/A	No.7	Oct.14,18	1 Year
11.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A
Note: N/A means Not applicable.						

4.2.Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-40GHz



4.3.Radiated Emission Limit

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed ane.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed ane.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed ane.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of27 dBm/MHz at the band edge.

Unwanted emissions below 1 GHz and those emissions appearing within 15.205 restricted frequency bands must comply with the general field strength limits set forth in Section 15.209.

4.3.1.15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remarks：(1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2.15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

4.4.EUT Configuration on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

4.4.1.COSMO (EUT)

Model No. : COSMO COMMUNICATOR
Serial No. : N/A

4.4.2.Support Equipment: As Tested Supporting System Details, in Section 2.2.

4.5.Operating Condition of EUT

4.5.1.Setup the EUT and simulator as shown as Section 4.2.

4.5.2.Turn on the power of all equipments.

4.5.3.Let EUT work in Tx mode.

4.6.Test Procedure

Frequency below 30MHz:

The EUT setup on the turn table which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2013 regulation.

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground for frequency 30MHz~1000MHz, 1.5 meter high above ground for frequency above 1GHz and put the absorbing with 2.4m(L)*2.4m(W)*0.3m(H) on the ground . The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it.EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna for frequency 30MHz~1000MHz, and the Horm antenna is used as receiving antenna for frequency above 1GHz. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2013 on radiated emission Test.

For emissions below 1GHz and those emissions appearing within 15.205 restricted frequency bands use below procedure:

The bandwidth of the EMI test receiver (R&S ESR7) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

Maximum Peak emission levels are measured by setting the analyzer as follows:

(a) RBW = 1 MHz.
(b) VBW ≥ 3 MHz.
(c) Detector = Peak.
(d) Sweep time = auto.
(e) Trace mode = max hold.
(f) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle. For example, at 50% duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

Maximum Average emission levels are measured by setting the analyzer as follows:

(a) RBW = 1 MHz.
(b) VBW ≥ 3 MHz.
(c) Detector = power averaging (rms), if span/(# of points in sweep) ≤ RBW/2. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.
(d) Averaging type = power averaging (rms)
As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
(e) Sweep time = auto.
(f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of 1/x, where x is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)
(g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, a correction factor shall be added to the measurement results prior to comparing to the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
- If power averaging (rms) mode was used in step (iv) above, the correction factor is 10 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.
- If linear voltage averaging mode was used in step (iv) above, the correction factor is 20 log (1/x), where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.
- If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.

For the emissions above 1GHz and not appearing within 15.205 restricted frequency bands use below procedure:

(1).The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.

(2).The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.

(3). A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.

(4).Repeated step 4 with both antenna polarizations

(5).The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna. or use procedure (6).

(6). Per KDB789033 clause H 2)d).if the test distance is 3m,the EIRP(dBm)=E(dBuv/m)-95.2 Get the result of all unwanted emission outside the restricted band is less than the -27dBm/MHz.

We had checked frequency range that is 30MHz to 10th harmonic (40GHz) and no any emissions were found from 18GHz to 40GHz, so the radiated emission from 18GHz to 40GHz were not record.

4.7.Radiated Emission Test Results

PASS.

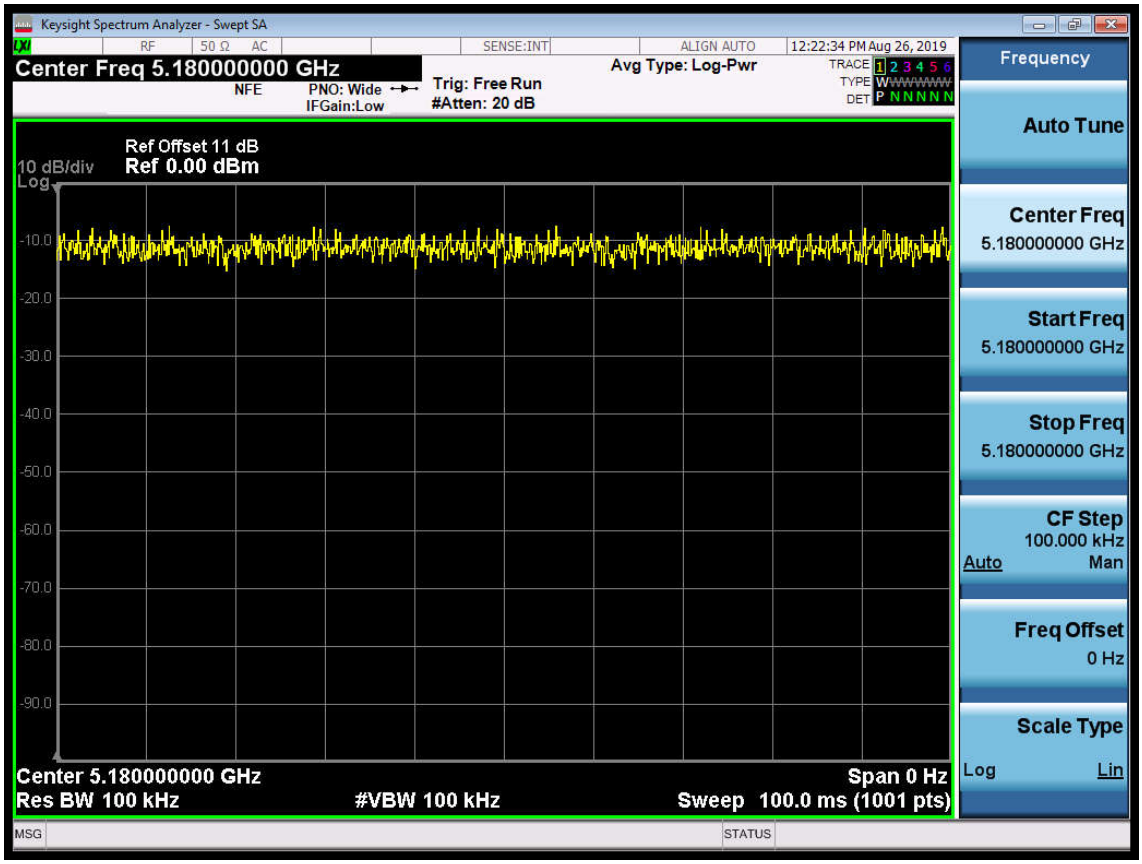
All the emissions from 30MHz to 1 GHz were comply with 15.209 limits.

All other emission comply with 15.407 (b)(1) requirements.

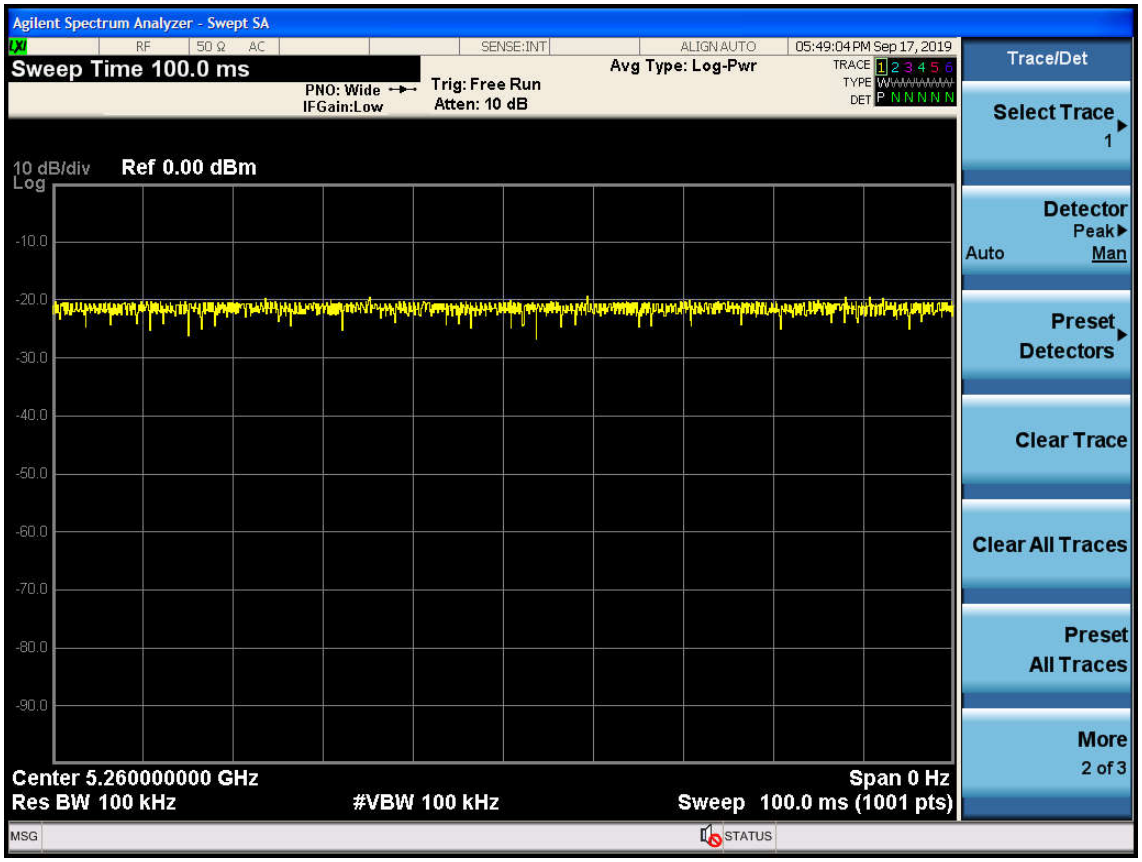
Note: The emissions (9kHz~30MHz) is more than 20dB below the limit, so there is not reported.

Duty cycle

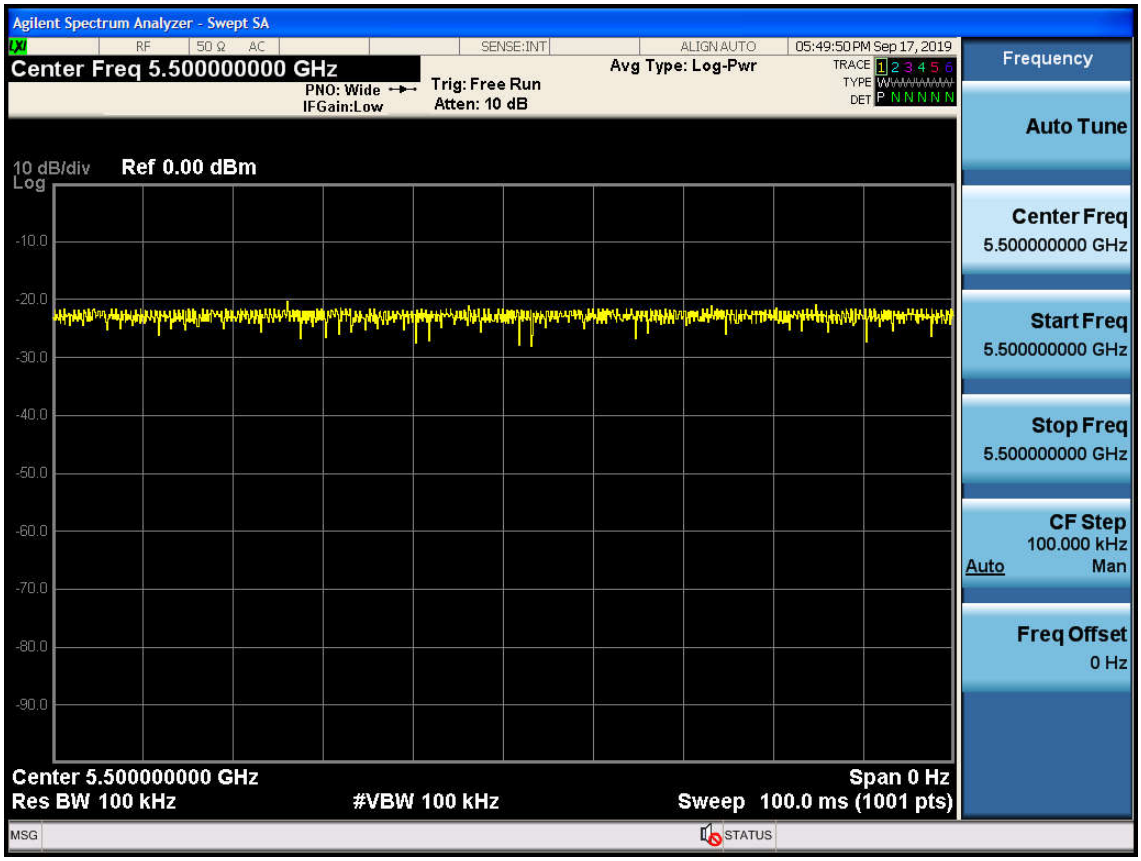
U-NII-1 Band:



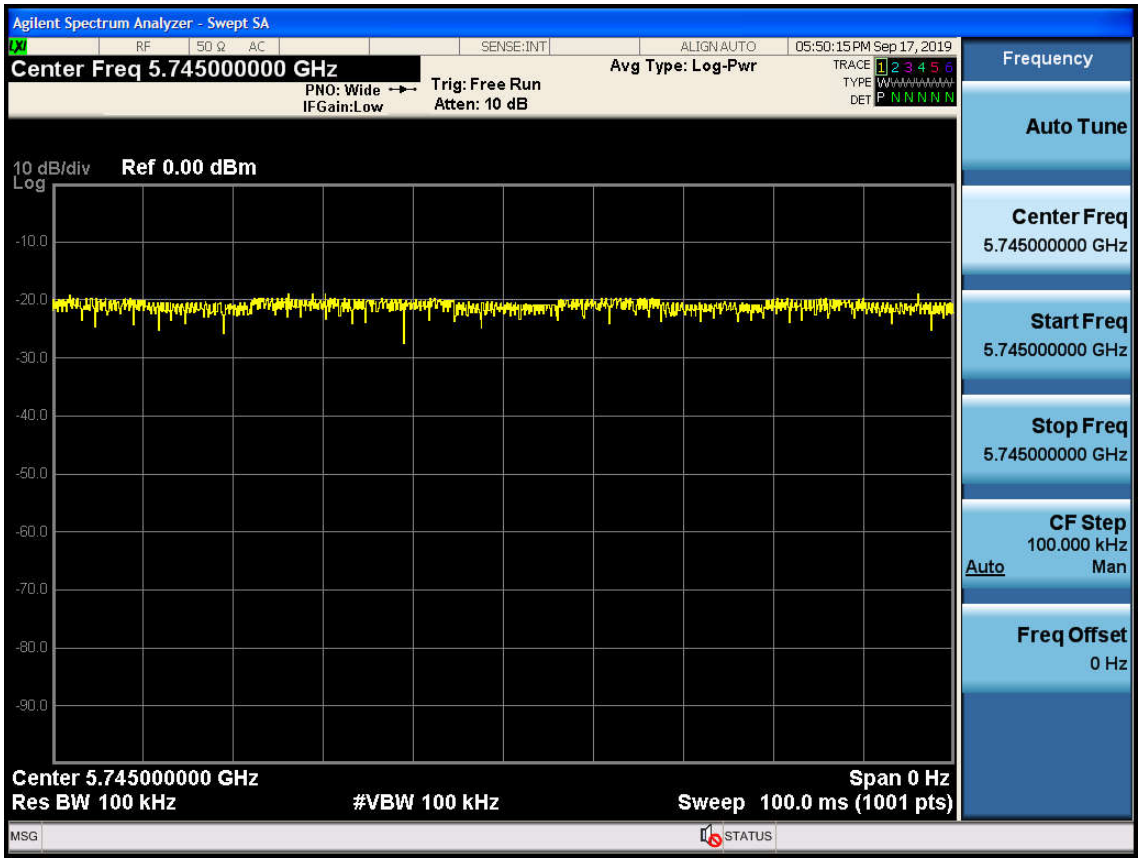
U-NII-2A Band:



U-NII-2C Band:

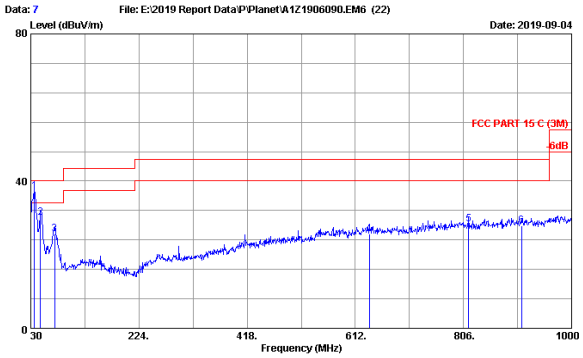


U-NII-3 Band:



Note: The duty cycle of the test signal is 100%.

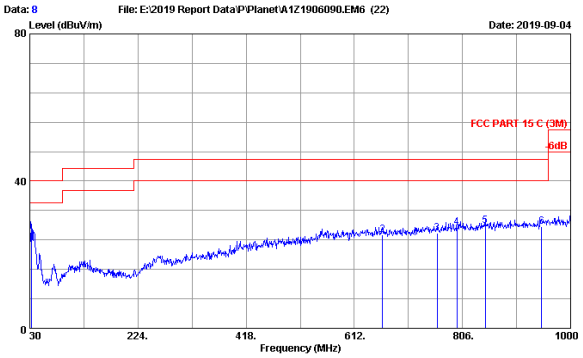
Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2018 CBL6112D-35375 Ant. pol. : VERTICAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 23.4°C/54% Engineer : Hogen
EUT : COSMO M/N: COSMO COMMUNICATOR
Power rating : AC 120V/60Hz
Test Mode : WIFI 5G TX

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	36.790	20.70	0.58	15.94	37.22	40.00	2.78	QP
2	47.460	16.30	0.65	13.16	30.11	40.00	9.89	QP
3	72.680	13.10	0.83	11.71	25.64	40.00	14.36	QP
4	637.220	25.26	2.70	-2.25	25.71	46.00	20.29	QP
5	815.700	26.16	3.15	-1.10	28.21	46.00	17.79	QP
6	909.790	26.80	3.35	-2.25	27.90	46.00	18.10	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

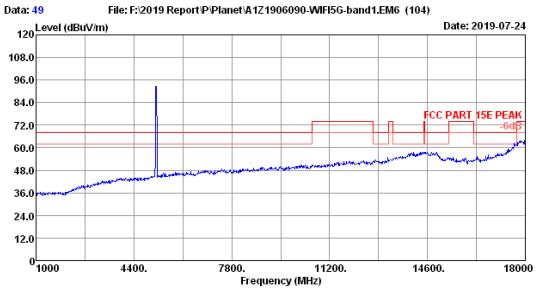


Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2018 CBL6112D-35375 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 23.4°C/54% Engineer : Hogen
EUT : COSMO M/N: COSMO COMMUNICATOR
Power rating : AC 120V/60Hz
Test Mode : WIFI 5G TX

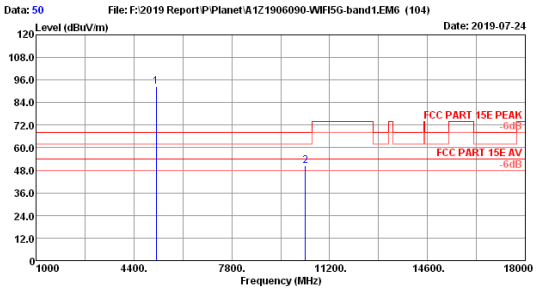
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	32.910	22.90	0.55	2.83	26.28	40.00	13.72	QP
2	662.440	25.30	2.77	-2.57	25.50	46.00	20.50	QP
3	760.410	25.90	3.02	-3.12	25.80	46.00	20.20	QP
4	796.300	26.42	3.11	-2.22	27.31	46.00	18.69	QP
5	846.740	26.58	3.21	-1.83	27.96	46.00	18.04	QP
6	947.620	26.92	3.47	-2.79	27.60	46.00	18.40	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: 1GHz~18GHz
U-NII-1 Band:



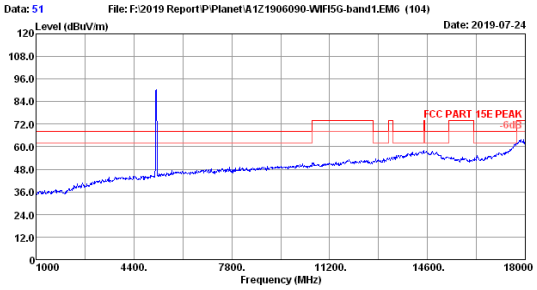
Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR



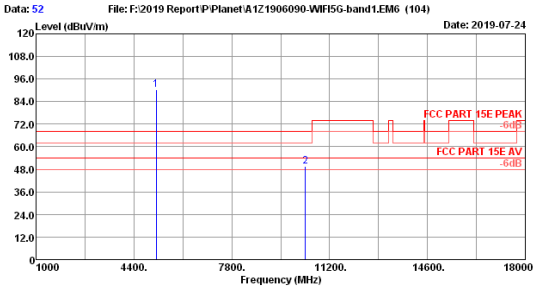
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.85	1.29	34.36	92.82	92.60	68.20	-24.40	Peak
2	10360.00	37.09	1.76	34.65	46.13	50.33	68.20	17.87	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

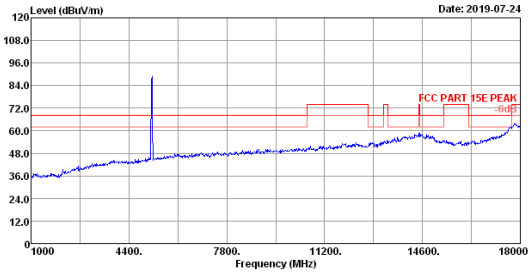


Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.85	1.29	34.36	90.49	90.27	68.20	-22.07	Peak
2	10360.00	37.09	1.76	34.65	45.46	49.66	68.20	18.54	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

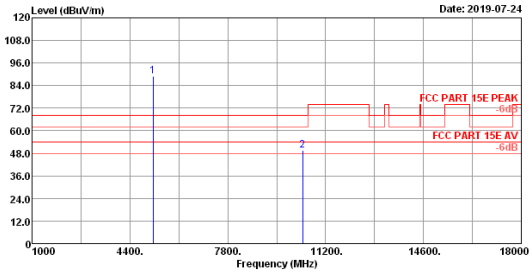
Data: 53 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 53
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 54 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



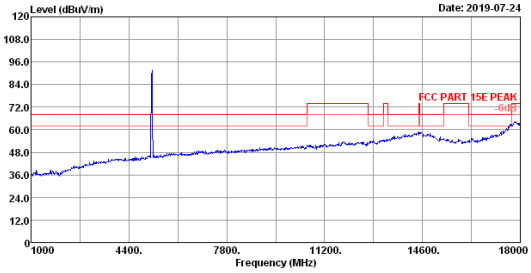
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 54
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.86	1.29	34.36	89.35	89.14	68.20	-20.94	Peak
2	10400.00	37.08	1.76	34.64	45.35	49.55	68.20	18.65	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

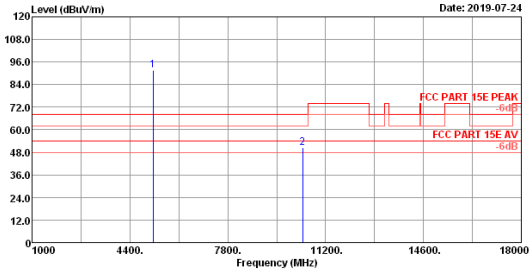
Data: 55 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 55
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 56 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



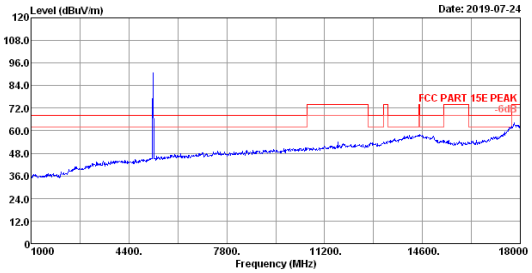
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 56
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.86	1.29	34.36	91.75	91.54	68.20	-23.34	Peak
2	10400.00	37.08	1.76	34.64	46.15	50.35	68.20	17.85	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

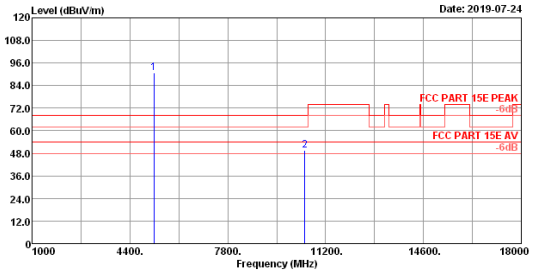
Data: 57 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 57
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 58 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



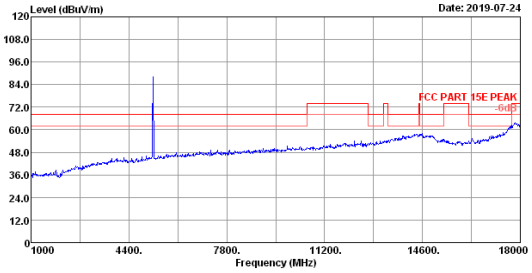
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 58
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.92	1.30	34.35	90.81	90.68	68.20	-22.48	Peak
2	10480.00	37.11	1.77	34.60	45.34	49.62	68.20	18.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

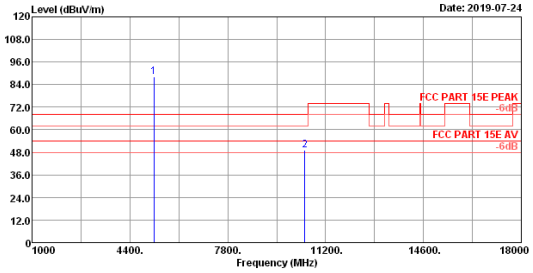
Data: 59 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 59
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 60 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



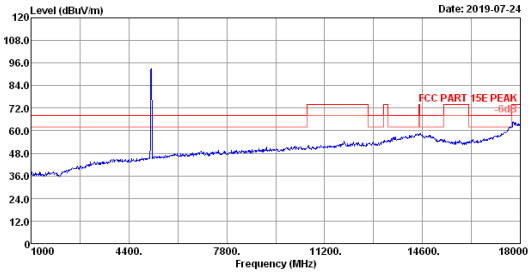
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4877
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 60
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.92	1.30	34.35	88.34	88.21	68.20	-20.01	Peak
2	10480.00	37.11	1.77	34.60	45.07	49.35	68.20	18.85	Peak

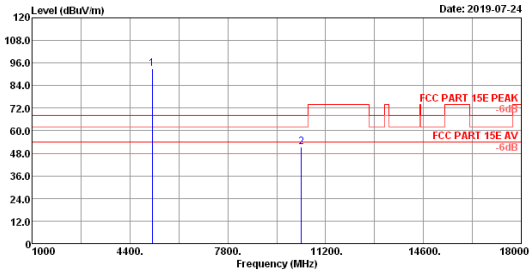
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 61 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 62 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

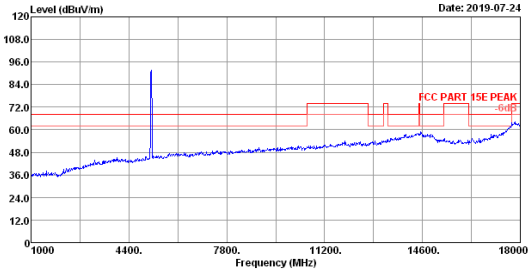


Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.85	1.29	34.36	93.33	93.11	68.20	-24.91	Peak
2	10360.00	37.09	1.76	34.65	47.26	51.46	68.20	16.74	Peak

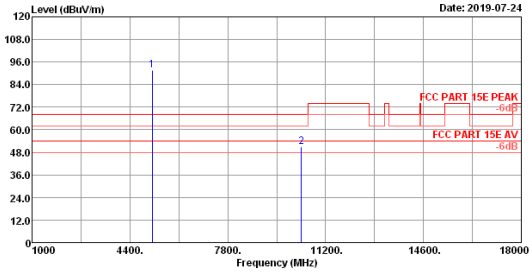
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 63 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 64 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

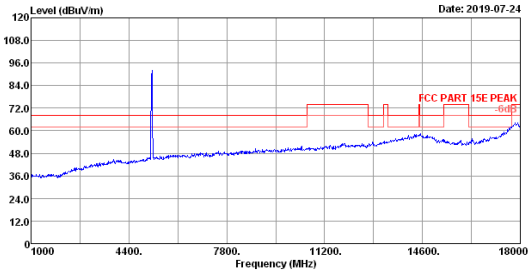


Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.85	1.29	34.36	92.05	91.83	68.20	-23.63	Peak
2	10360.00	37.09	1.76	34.65	46.74	50.94	68.20	17.26	Peak

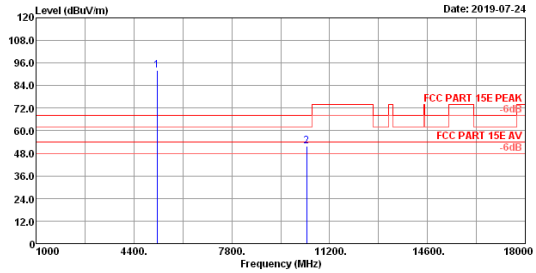
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 65 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 65
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 66 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

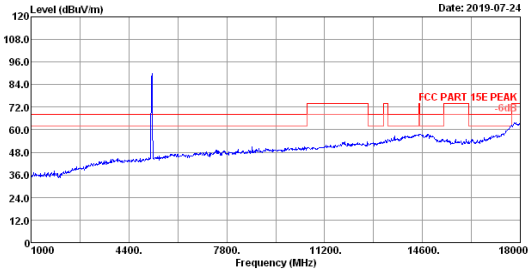


Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.86	1.29	34.36	92.30	92.09	68.20	-23.89	Peak
2	10400.00	37.08	1.76	34.64	47.56	51.76	68.20	16.44	Peak

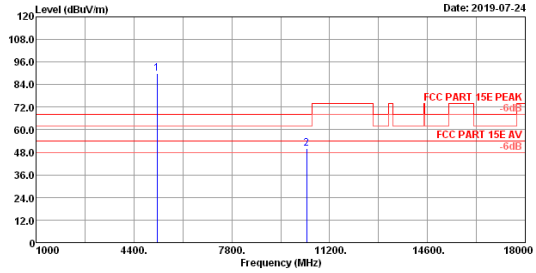
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 67 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 67
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 68 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

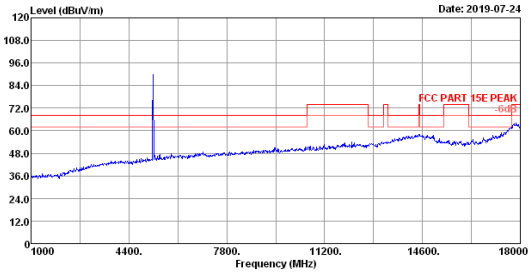


Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.86	1.29	34.36	89.91	89.70	68.20	-21.50	Peak
2	10400.00	37.08	1.76	34.64	45.93	50.13	68.20	18.07	Peak

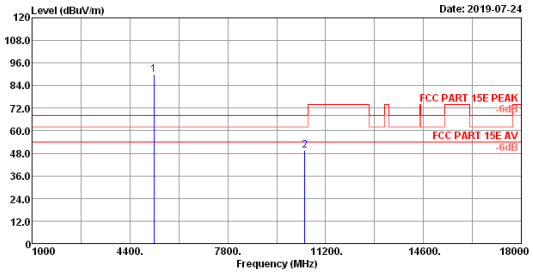
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 69 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 70 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

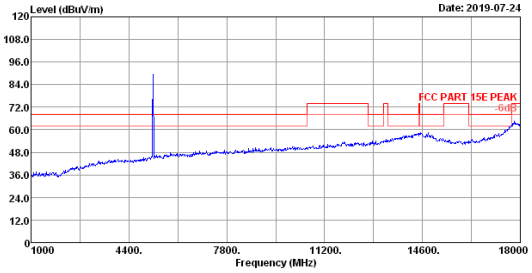


Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.92	1.30	34.35	90.11	89.98	68.20	-21.78	Peak
2	10480.00	37.11	1.77	34.60	45.10	49.38	68.20	18.82	Peak

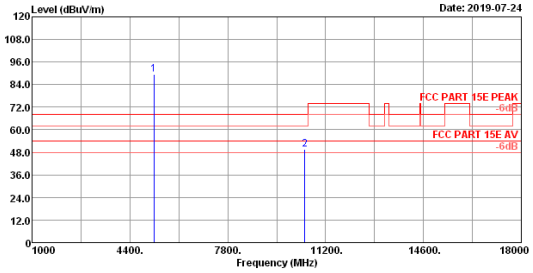
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 71 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 72 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

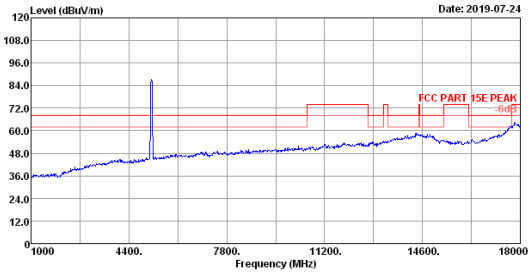


Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.92	1.30	34.35	89.78	89.65	68.20	-21.45	Peak
2	10480.00	37.11	1.77	34.60	45.26	49.54	68.20	18.66	Peak

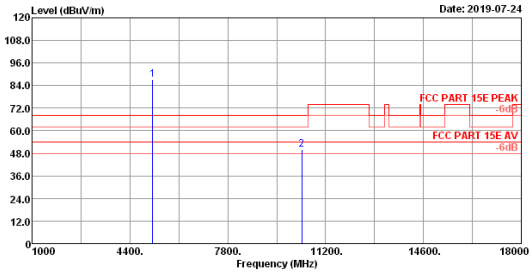
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 73 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 74 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

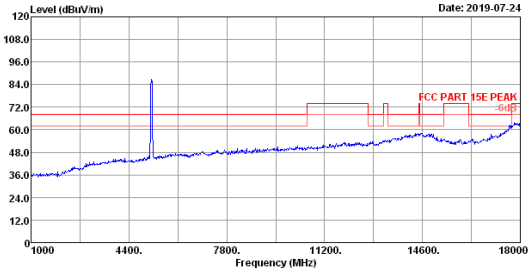


Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.85	1.29	34.36	87.61	87.39	68.20	-19.19	Peak
2	10380.00	37.09	1.76	34.64	45.91	50.12	68.20	18.08	Peak

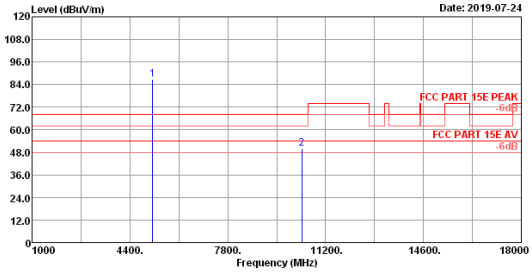
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 75 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 76 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

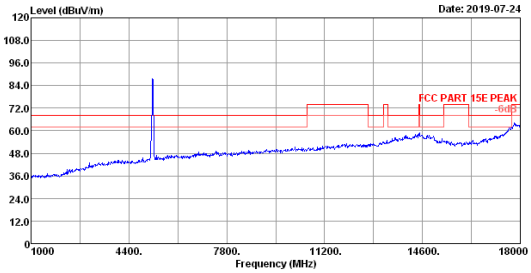


Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.85	1.29	34.36	87.13	86.91	68.20	-18.71	Peak
2	10380.00	37.09	1.76	34.64	45.64	49.85	68.20	18.35	Peak

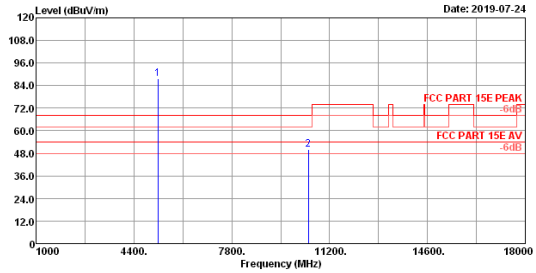
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 77 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 78 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

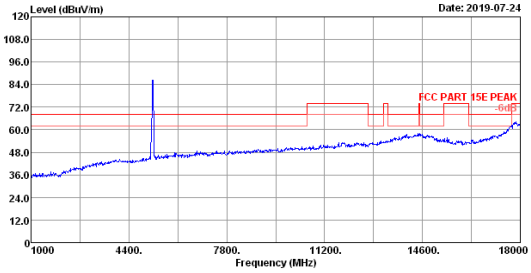


Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	32.92	1.30	34.35	87.80	87.67	68.20	-19.47	Peak
2	10460.00	37.10	1.77	34.62	45.66	49.91	68.20	18.29	Peak

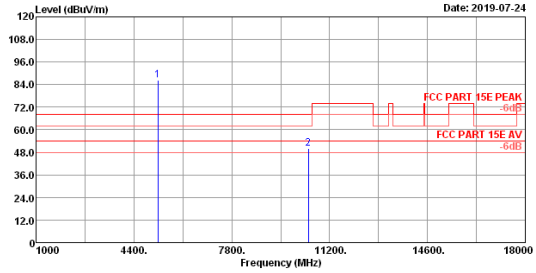
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 79 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 80 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

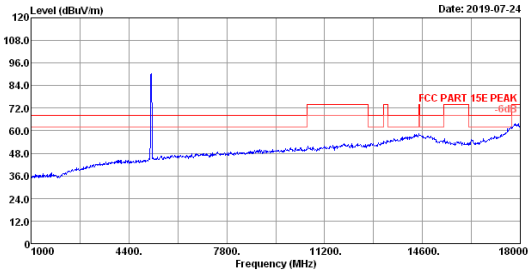


Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	32.92	1.30	34.35	86.54	86.41	68.20	-18.21	Peak
2	10460.00	37.10	1.77	34.62	45.86	50.11	68.20	18.09	Peak

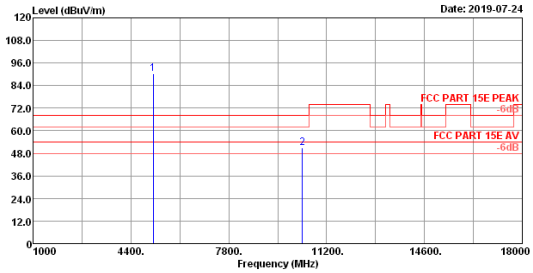
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 81 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 82 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

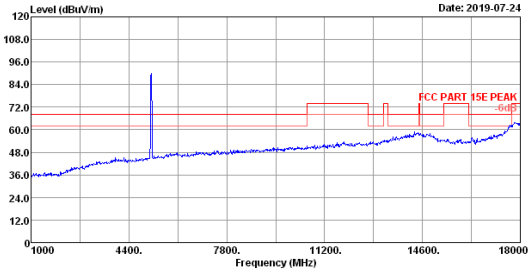


Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.85	1.29	34.36	90.50	90.28	68.20	-22.08	Peak
2	10360.00	37.09	1.76	34.65	46.63	50.83	68.20	17.37	Peak

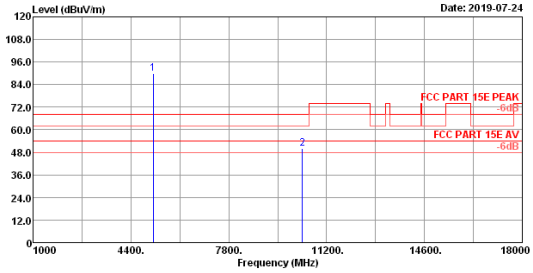
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 83 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 84 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

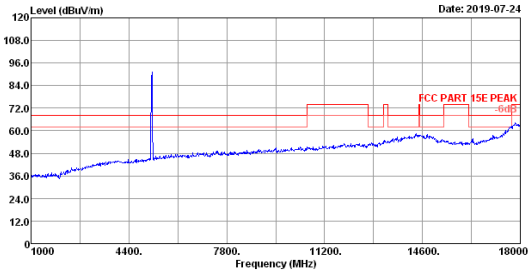


Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5180.00	32.85	1.29	34.36	89.93	89.71	68.20	-21.51	Peak
2	10360.00	37.09	1.76	34.65	45.75	49.95	68.20	18.25	Peak

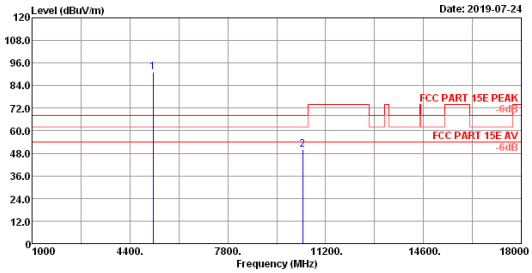
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 85 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 86 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

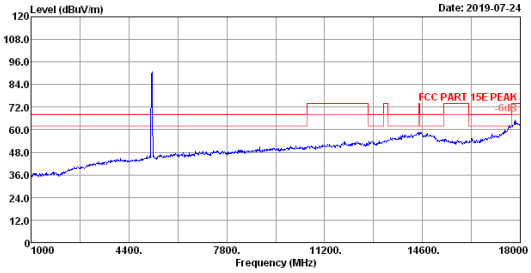


Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.86	1.29	34.36	91.28	91.07	68.20	-22.87	Peak
2	10400.00	37.08	1.76	34.64	45.85	50.05	68.20	18.15	Peak

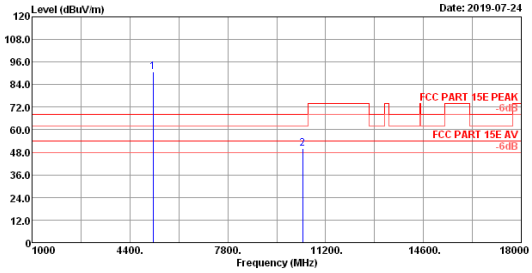
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 87 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 87
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 88 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

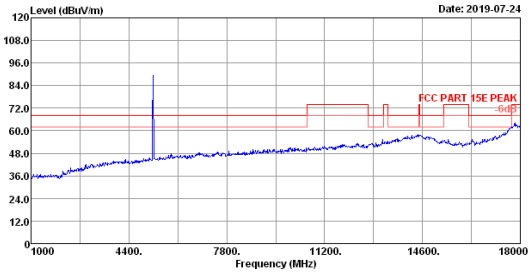


Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5200MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5200.00	32.86	1.29	34.36	91.06	90.85	68.20	-22.65	Peak
2	10400.00	37.08	1.76	34.64	45.89	50.09	68.20	18.11	Peak

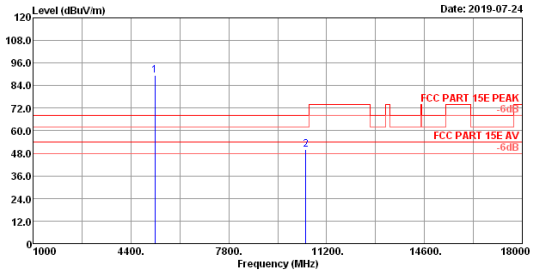
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 89 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 90 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

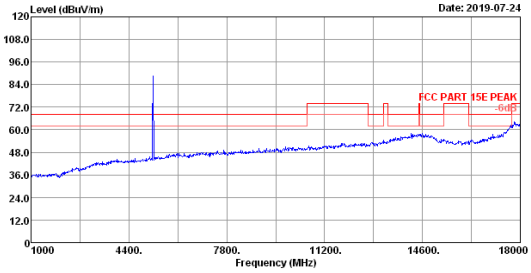


Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.92	1.30	34.35	89.48	89.35	68.20	-21.15	Peak
2	10480.00	37.11	1.77	34.60	45.72	50.00	68.20	18.20	Peak

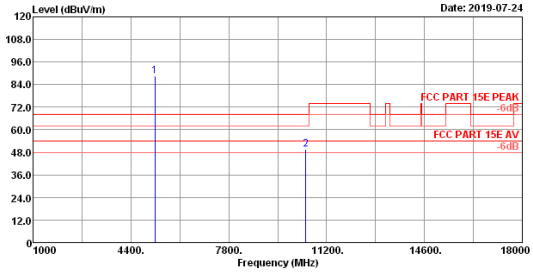
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 91 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 92 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

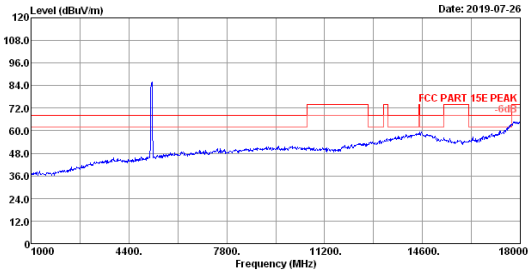


Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.00	32.92	1.30	34.35	88.60	88.47	68.20	-20.27	Peak
2	10480.00	37.11	1.77	34.60	45.43	49.71	68.20	18.49	Peak

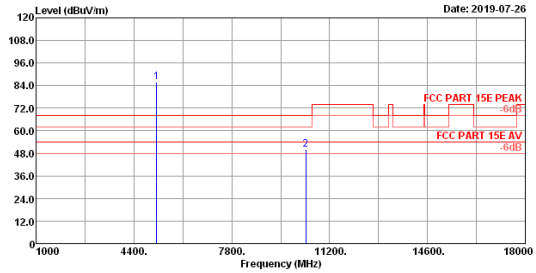
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 93 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 94 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

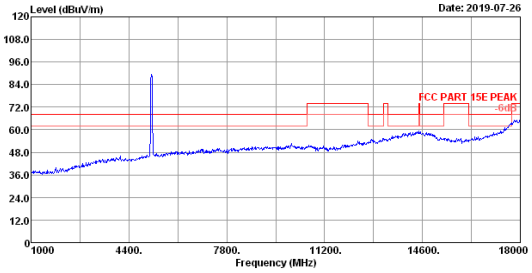


Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.85	1.29	34.36	85.90	85.68	68.20	-17.48	Peak
2	10380.00	37.09	1.76	34.64	45.89	50.10	68.20	18.10	Peak

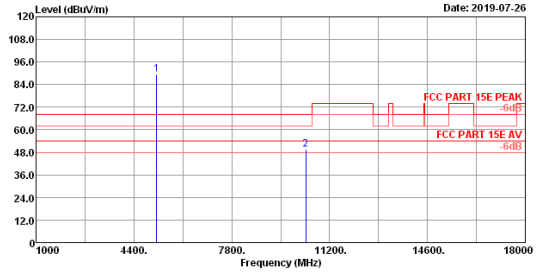
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 95 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 96 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

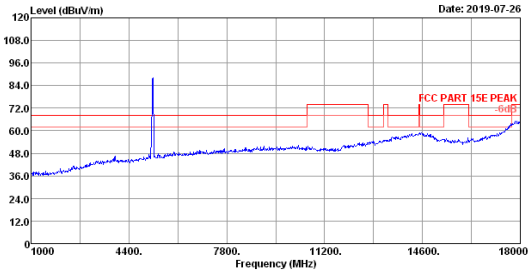


Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5190.00	32.85	1.29	34.36	89.68	89.46	68.20	-21.26	Peak
2	10380.00	37.09	1.76	34.64	45.50	49.71	68.20	18.49	Peak

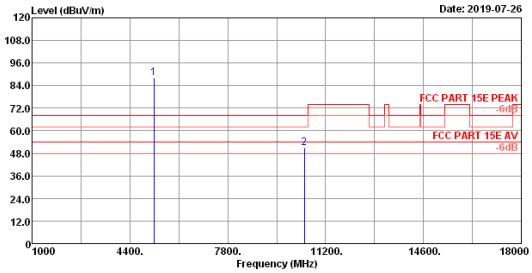
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 97 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 98 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

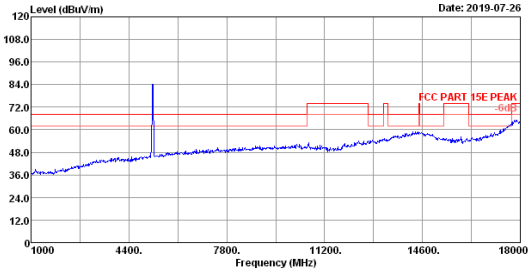


Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	32.92	1.30	34.35	88.23	88.10	68.20	-19.90	Peak
2	10460.00	37.10	1.77	34.62	46.45	50.70	68.20	17.50	Peak

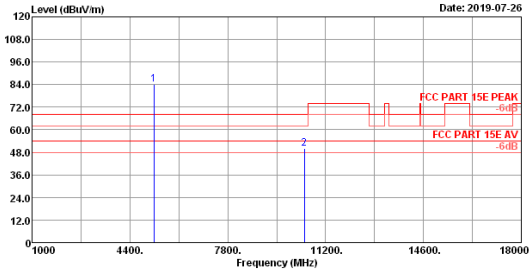
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 99 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 100 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

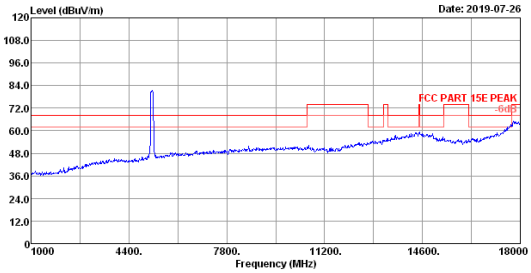


Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5230.00	32.92	1.30	34.35	84.43	84.30	68.20	-16.10	Peak
2	10460.00	37.10	1.77	34.62	45.94	50.19	68.20	18.01	Peak

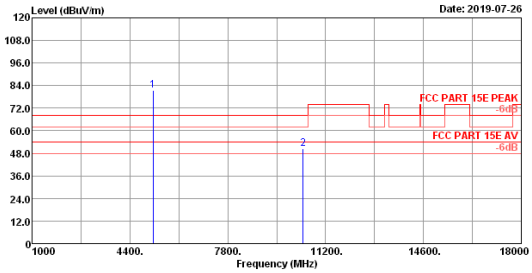
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 101 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 101
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 102 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

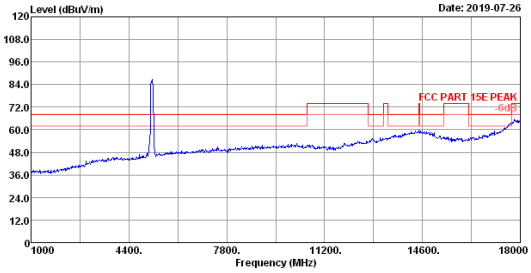


Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5210.00	32.89	1.29	34.36	81.87	81.69	68.20	-13.49	Peak
2	10420.00	37.09	1.76	34.63	46.32	50.54	68.20	17.66	Peak

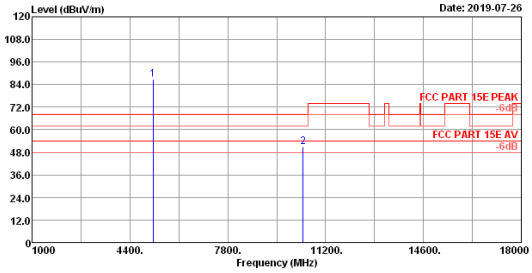
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 103 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 103
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 104 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

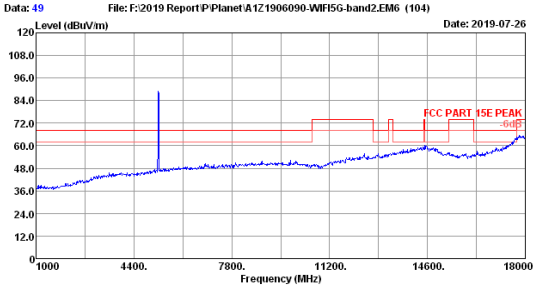


Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

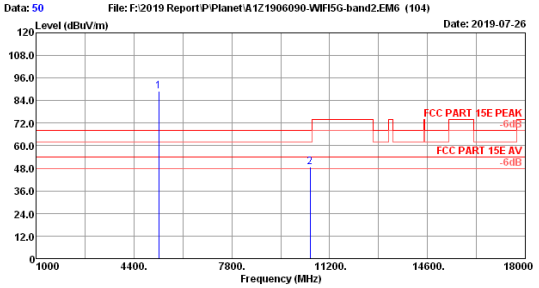
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5210.00	32.89	1.29	34.36	86.99	86.81	68.20	-18.61	Peak
2	10420.00	37.09	1.76	34.63	46.73	50.95	68.20	17.25	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

U-NII-2A Band:



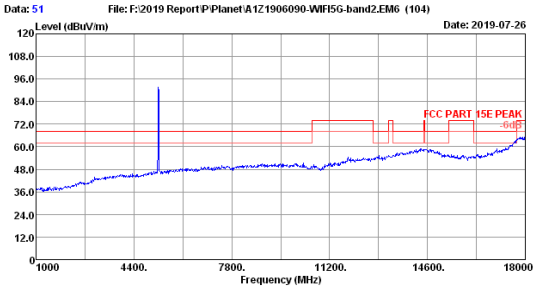
Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR



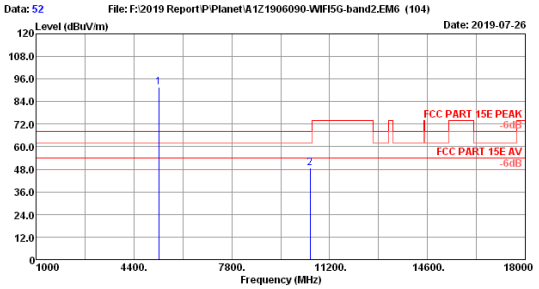
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.97	1.30	34.35	89.04	88.96	68.20	-20.76	Peak
2	10520.00	37.14	1.77	34.59	44.38	48.70	68.20	19.50	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

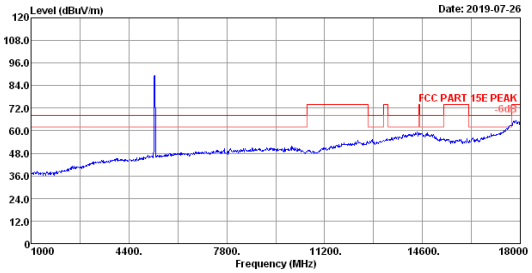


Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.97	1.30	34.35	91.68	91.60	68.20	-23.40	Peak
2	10520.00	37.14	1.77	34.59	44.22	48.54	68.20	19.66	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

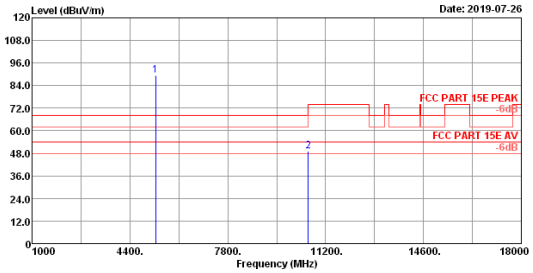
Data: 53 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 53
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 54 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



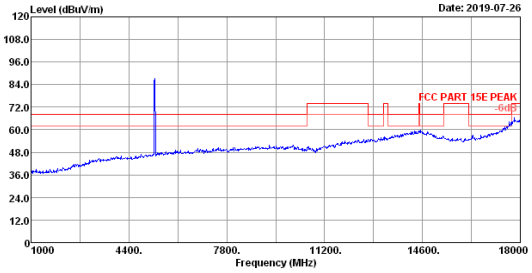
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 54
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.02	1.30	34.34	89.67	89.65	68.20	-21.45	Peak
2	10600.00	37.27	1.78	34.56	44.76	49.25	68.20	18.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

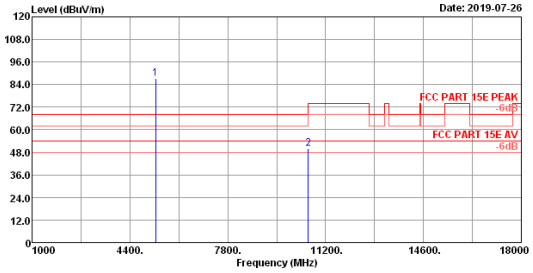
Data: 55 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 55
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 56 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



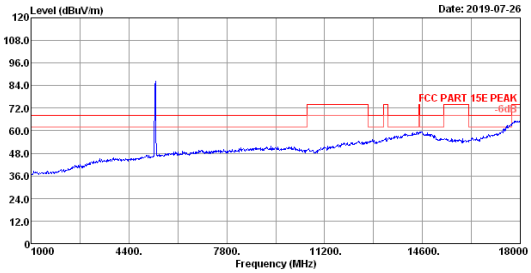
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 56
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.02	1.30	34.34	87.13	87.11	68.20	-18.91	Peak
2	10600.00	37.27	1.78	34.56	45.61	50.10	68.20	18.10	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

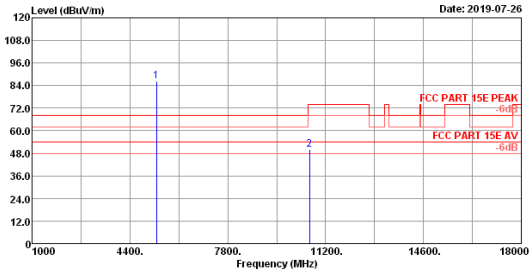
Data: 57 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 57
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 58 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



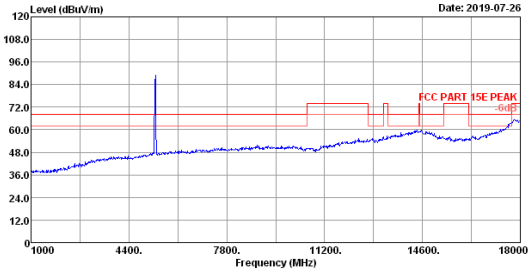
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 58
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.05	1.31	34.34	86.16	86.18	68.20	-17.98	Peak
2	10640.00	37.26	1.78	34.54	45.66	50.16	74.00	23.84	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

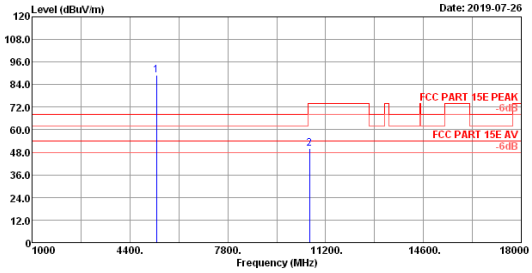
Data: 59 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 59
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 60 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



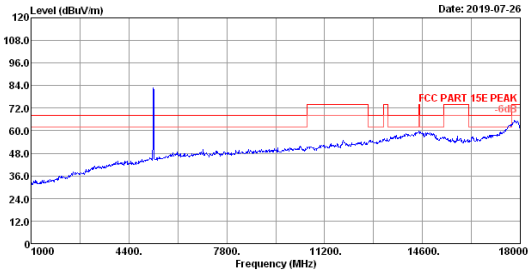
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 60
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.05	1.31	34.34	88.88	88.90	68.20	-20.70	Peak
2	10640.00	37.26	1.78	34.54	45.46	49.96	74.00	24.04	Peak

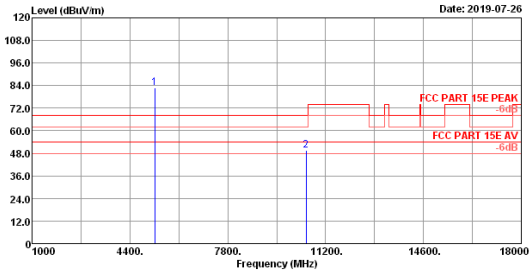
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 61 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 62 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

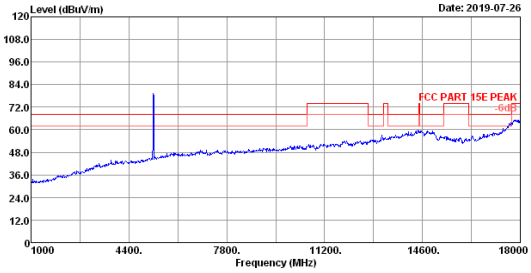


Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.97	1.30	34.35	82.87	82.79	68.20	-14.59	Peak
2	10520.00	37.14	1.77	34.59	45.17	49.49	68.20	18.71	Peak

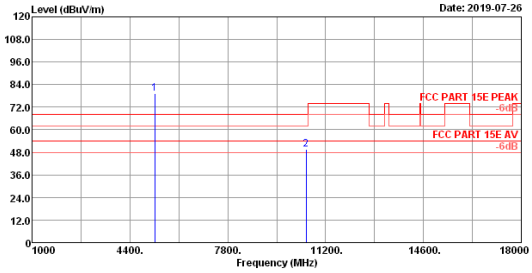
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 63 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 64 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

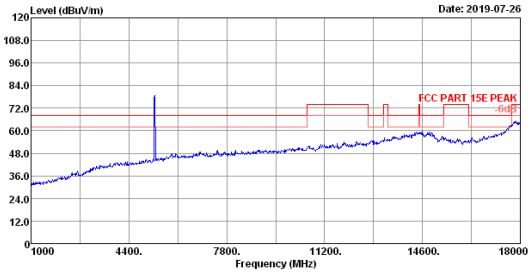


Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.97	1.30	34.35	79.52	79.44	68.20	-11.24	Peak
2	10520.00	37.14	1.77	34.59	45.29	49.61	68.20	18.59	Peak

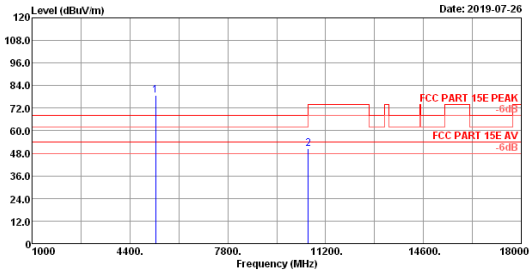
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 65 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 65
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 66 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

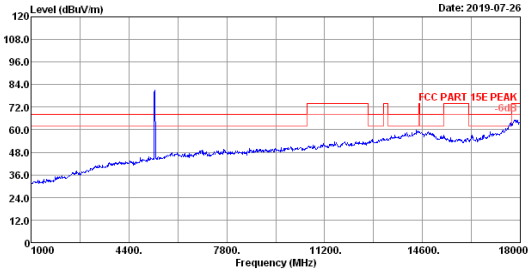


Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.02	1.30	34.34	78.80	78.78	68.20	-10.58	Peak
2	10600.00	37.27	1.78	34.56	46.05	50.54	68.20	17.66	Peak

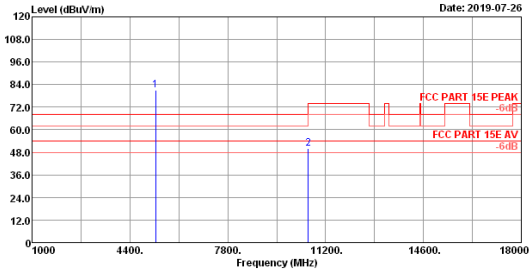
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 67 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 67
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 68 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

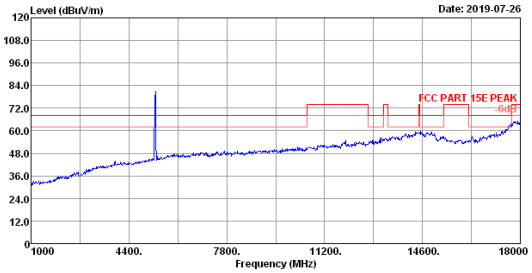


Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.02	1.30	34.34	80.96	80.94	68.20	-12.74	Peak
2	10600.00	37.27	1.78	34.56	45.60	50.09	68.20	18.11	Peak

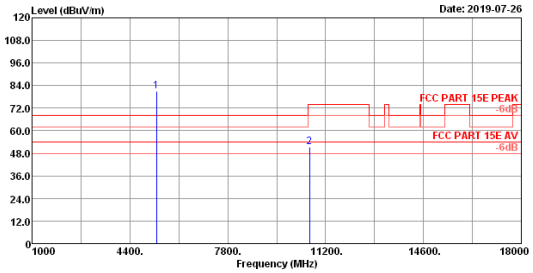
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 69 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 70 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

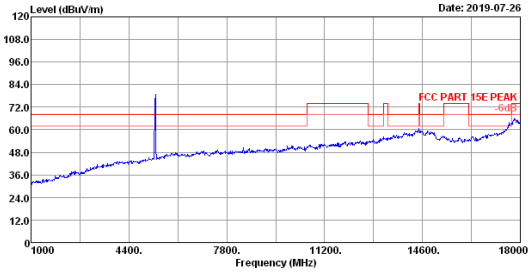


Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.05	1.31	34.34	81.03	81.05	68.20	-12.85	Peak
2	10640.00	37.26	1.78	34.54	46.99	51.49	74.00	22.51	Peak

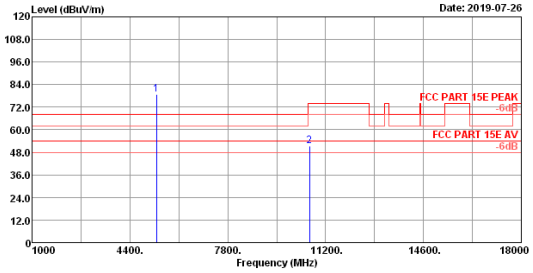
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 71 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 72 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

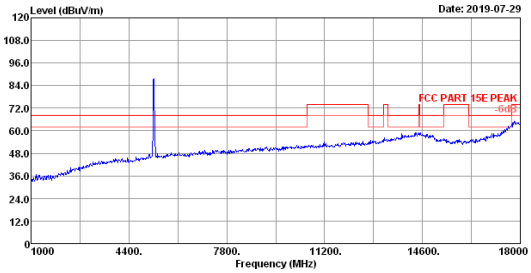


Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.05	1.31	34.34	78.92	78.94	68.20	-10.74	Peak
2	10640.00	37.26	1.78	34.54	46.74	51.24	74.00	22.76	Peak

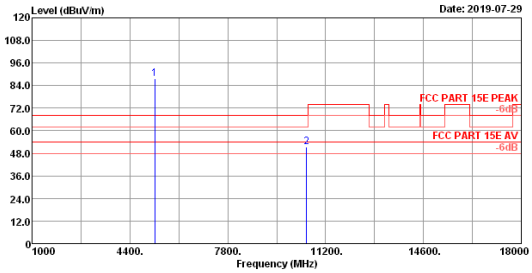
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 73 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 74 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

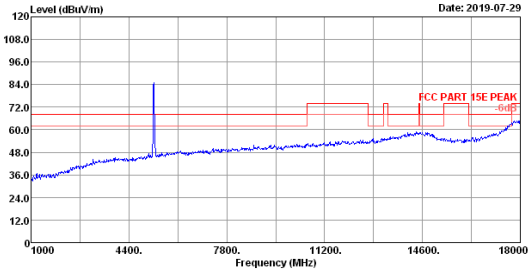


Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	32.97	1.30	34.35	87.58	87.50	68.20	-19.30	Peak
2	10540.00	37.17	1.77	34.58	46.91	51.27	68.20	16.93	Peak

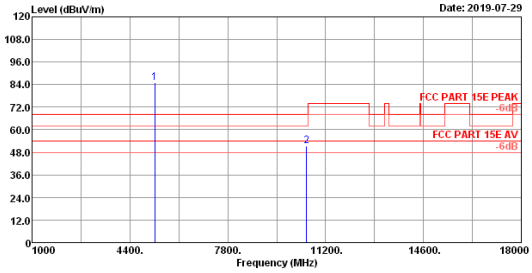
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 75 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 76 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

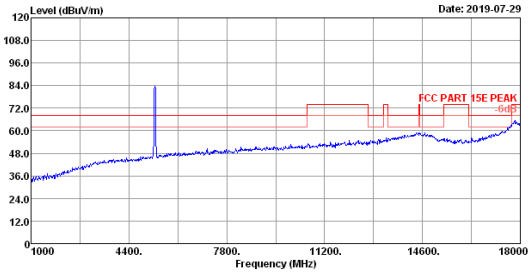


Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	32.97	1.30	34.35	85.10	85.02	68.20	-16.82	Peak
2	10540.00	37.17	1.77	34.58	46.89	51.25	68.20	16.95	Peak

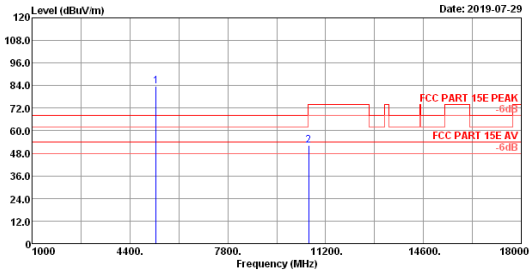
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 77 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 78 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

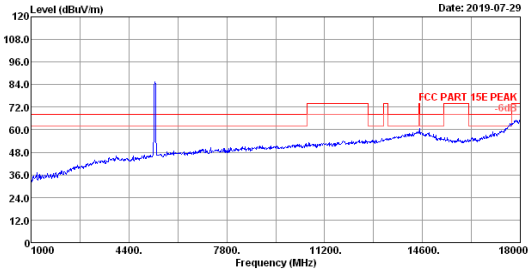


Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.05	1.31	34.34	83.61	83.63	68.20	-15.43	Peak
2	10620.00	37.27	1.78	34.55	47.68	52.18	74.00	21.82	Peak

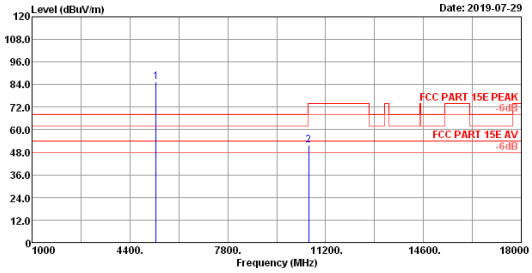
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 79 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 80 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

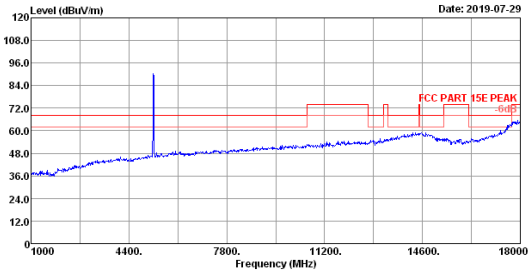


Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.05	1.31	34.34	85.59	85.61	68.20	-17.41	Peak
2	10620.00	37.27	1.78	34.55	47.47	51.97	74.00	22.03	Peak

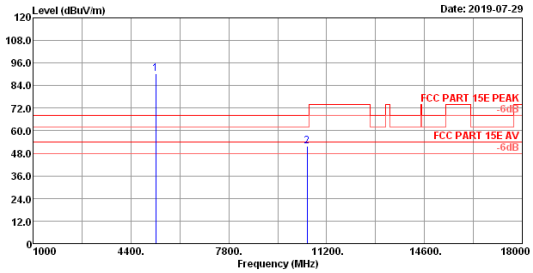
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 81 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 82 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

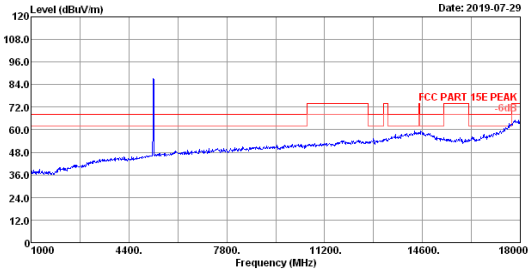


Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.97	1.30	34.35	90.53	90.45	68.20	-22.25	Peak
2	10520.00	37.14	1.77	34.59	47.53	51.85	68.20	16.35	Peak

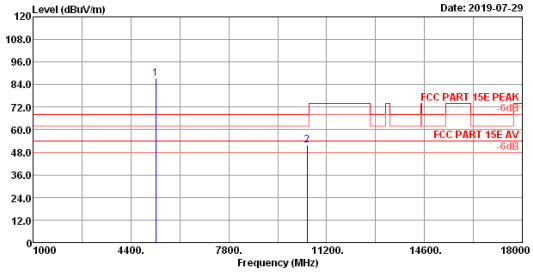
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 83 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 84 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

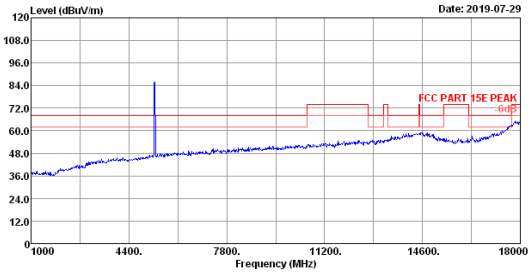


Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5260MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5260.00	32.97	1.30	34.35	87.19	87.11	68.20	-18.91	Peak
2	10520.00	37.14	1.77	34.59	47.27	51.59	68.20	16.61	Peak

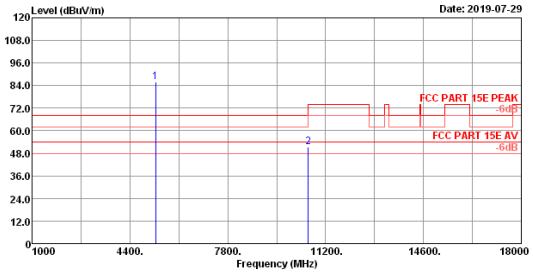
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 85 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 86 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

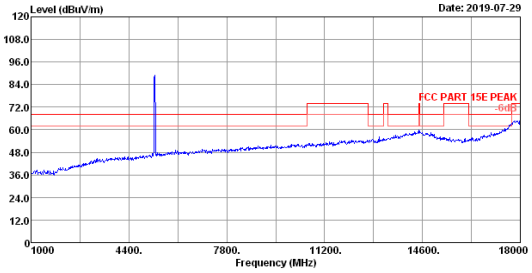


Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.02	1.30	34.34	86.13	86.11	68.20	-17.91	Peak
2	10600.00	37.27	1.78	34.56	46.95	51.44	68.20	16.76	Peak

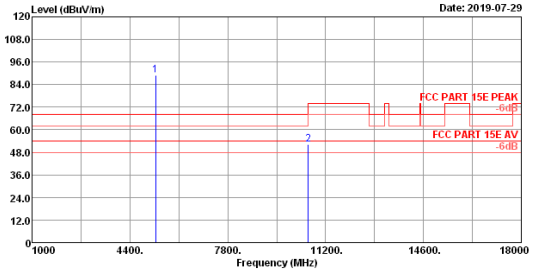
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 87 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 87
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 88 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

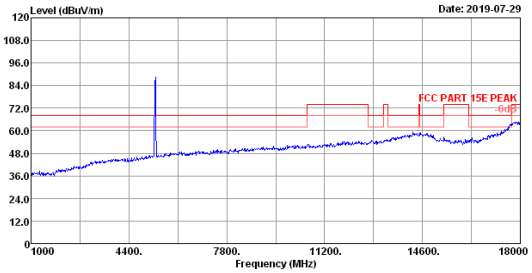


Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5300MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5300.00	33.02	1.30	34.34	89.02	89.00	68.20	-20.80	Peak
2	10600.00	37.27	1.78	34.56	47.54	52.03	68.20	16.17	Peak

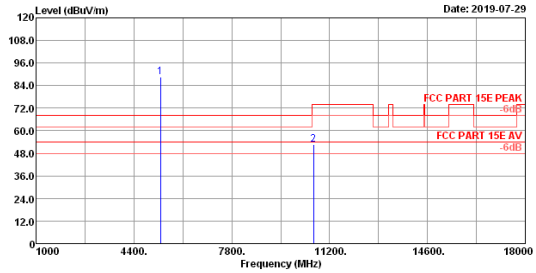
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 89 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 90 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

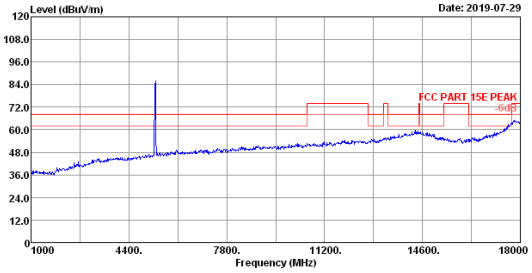


Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.05	1.31	34.34	88.58	88.60	68.20	-20.40	Peak
2	10640.00	37.26	1.78	34.54	48.41	52.91	74.00	21.09	Peak

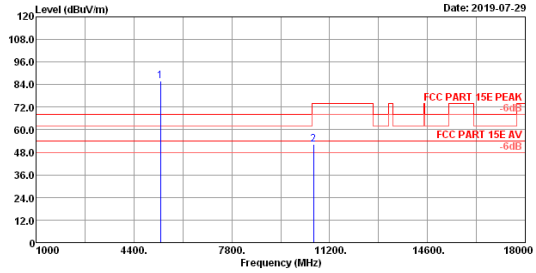
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 91 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 92 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

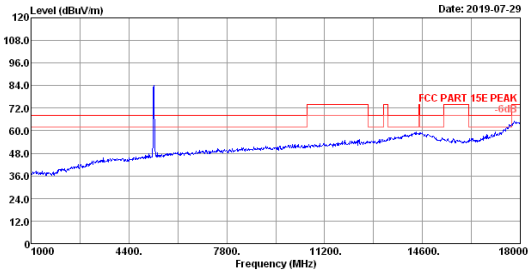


Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5320MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5320.00	33.05	1.31	34.34	85.93	85.95	68.20	-17.75	Peak
2	10640.00	37.26	1.78	34.54	47.65	52.15	74.00	21.85	Peak

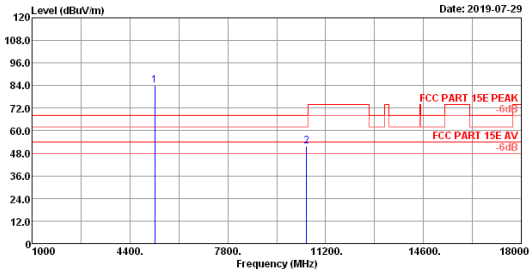
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 93 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 94 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

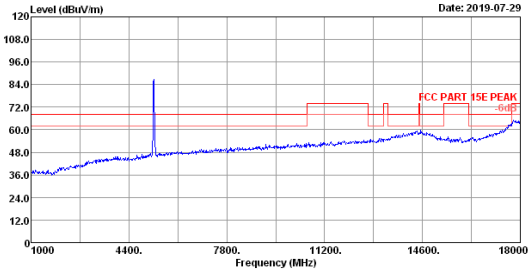


Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	32.97	1.30	34.35	84.30	84.22	68.20	-16.02	Peak
2	10540.00	37.17	1.77	34.58	47.56	51.92	68.20	16.28	Peak

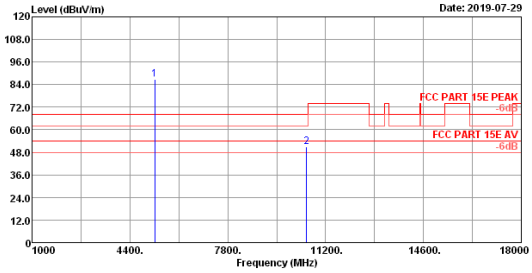
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 95 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 96 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

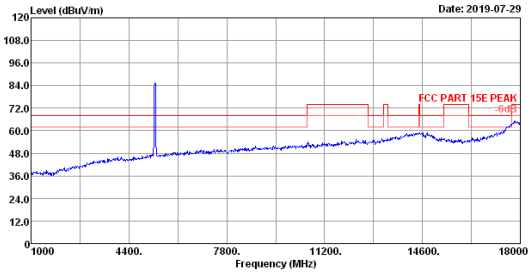


Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5270MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5270.00	32.97	1.30	34.35	86.72	86.64	68.20	-18.44	Peak
2	10540.00	37.17	1.77	34.58	46.61	50.97	68.20	17.23	Peak

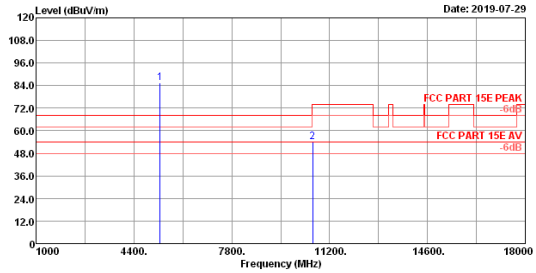
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 97 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 98 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

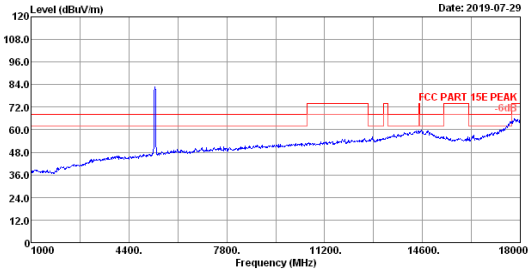


Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5310.00	33.05	1.31	34.34	85.25	85.27	68.20	-17.07	Peak
2	10620.00	37.27	1.78	34.55	49.31	53.81	74.00	20.19	Peak

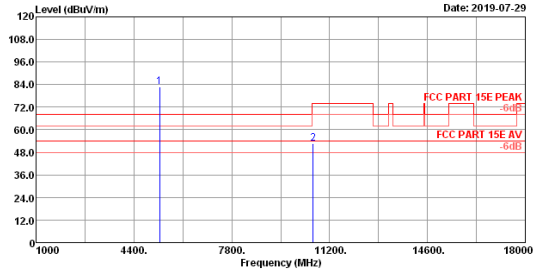
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 99 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 100 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

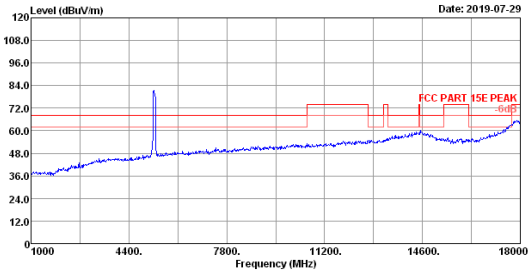


Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5310MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5301.00	33.02	1.30	34.34	82.88	82.86	68.20	-14.66	Peak
2	10622.00	37.27	1.78	34.55	48.08	52.58	74.00	21.42	Peak

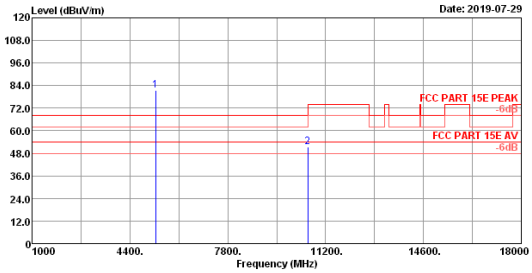
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 101 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 101
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5290MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 102 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

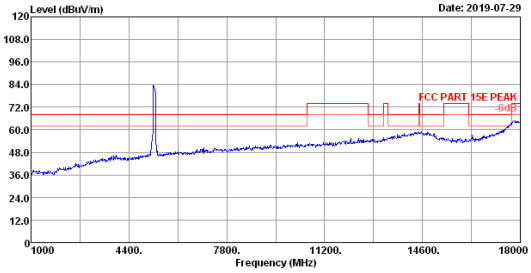


Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5290MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5290.00	33.00	1.30	34.34	81.56	81.52	68.20	-13.32	Peak
2	10580.00	37.24	1.78	34.56	47.09	51.55	68.20	16.65	Peak

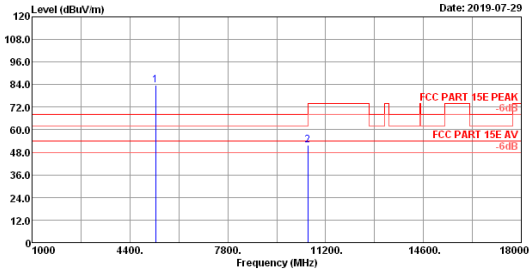
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 103 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)



Site no. : 3m Chamber Data no. : 103
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5290MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 104 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band2.EM6 (104)

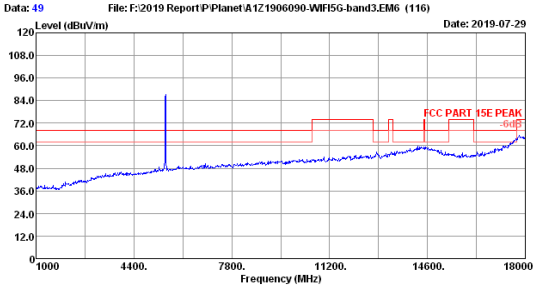


Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5290MHz Tx Mode
M/N : COSMO COMMUNICATOR

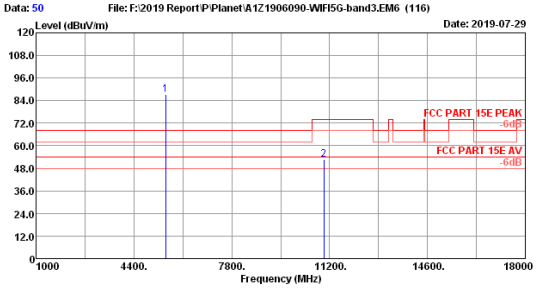
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5290.00	33.00	1.30	34.34	83.57	83.53	68.20	-15.33	Peak
2	10580.00	37.24	1.78	34.56	47.14	51.60	68.20	16.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

U-NII-2C Band:



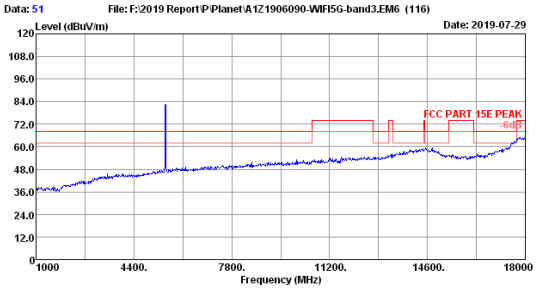
Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR



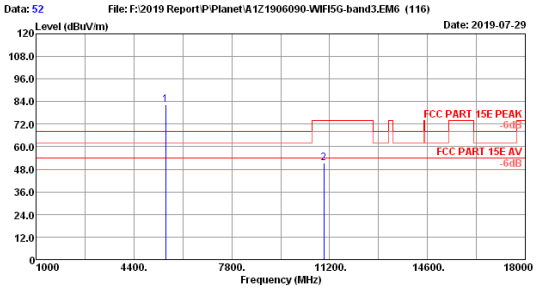
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.13	1.33	34.30	87.26	87.42	68.20	-19.22	Peak
2	11000.00	37.37	1.82	34.40	48.07	52.86	74.00	21.14	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

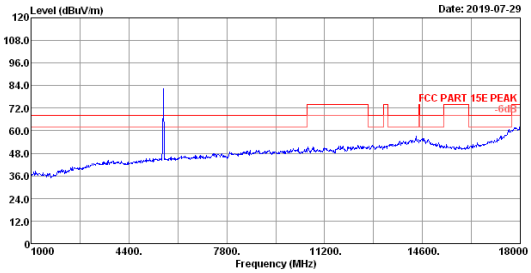


Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.13	1.33	34.30	82.35	82.51	68.20	-14.31	Peak
2	11000.00	37.37	1.82	34.40	46.64	51.43	74.00	22.57	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

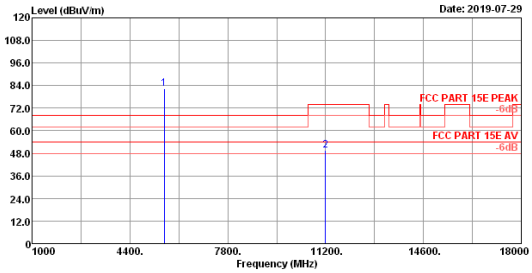
Data: 53 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 53
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 54 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



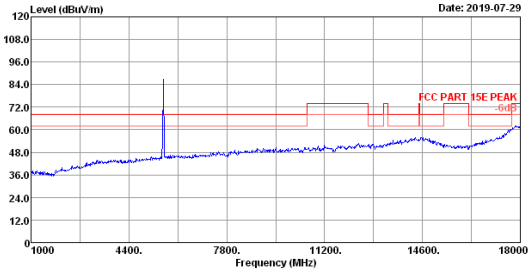
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 54
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	33.01	1.34	34.28	82.46	82.53	68.20	-14.33	Peak
2	11200.00	37.61	1.84	34.40	44.57	49.62	74.00	24.38	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

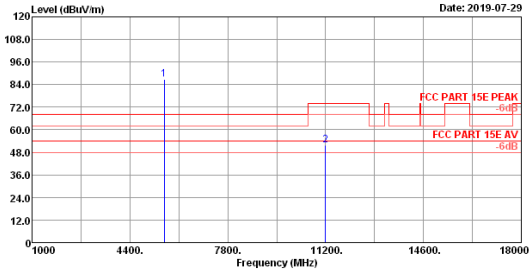
Data: 55 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 55
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 56 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



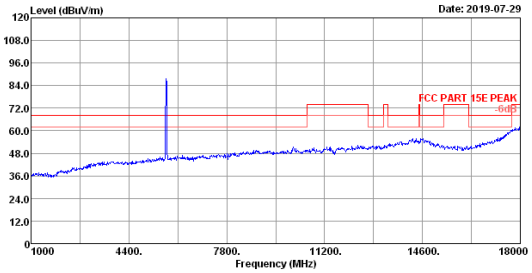
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 56
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	33.01	1.34	34.28	86.51	86.58	68.20	-18.38	Peak
2	11200.00	37.61	1.84	34.40	46.80	51.85	74.00	22.15	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

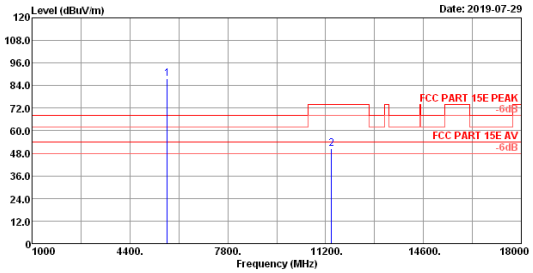
Data: 57 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 57
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 58 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



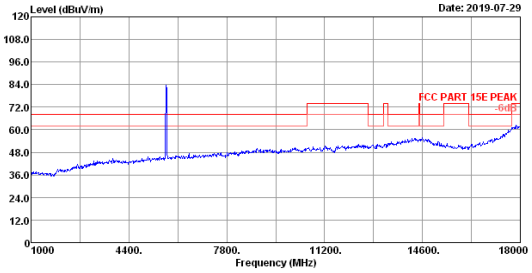
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 58
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.99	1.35	34.26	87.61	87.69	68.20	-19.49	Peak
2	11400.00	37.83	1.86	34.40	45.03	50.32	74.00	23.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

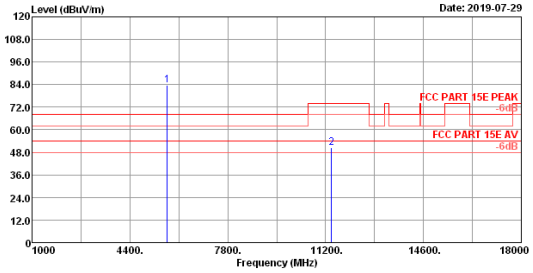
Data: 59 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 59
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 60 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



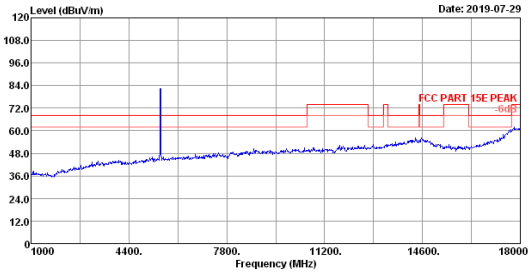
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 60
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.99	1.35	34.26	83.52	83.60	68.20	-15.40	Peak
2	11400.00	37.83	1.86	34.40	45.09	50.38	74.00	23.62	Peak

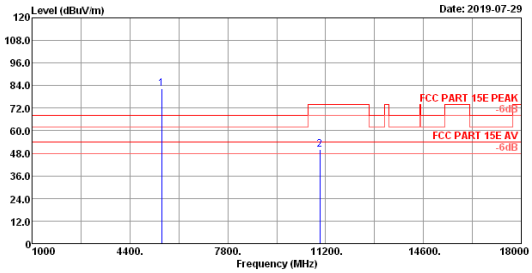
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 61 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 62 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

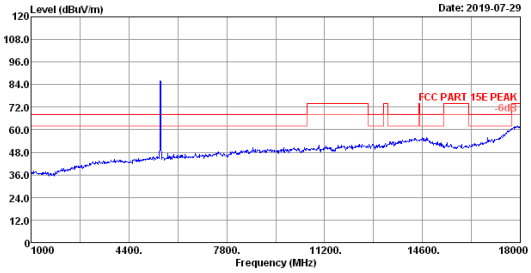


Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.13	1.33	34.30	82.39	82.55	68.20	-14.35	Peak
2	11000.00	37.37	1.82	34.40	45.26	50.05	74.00	23.95	Peak

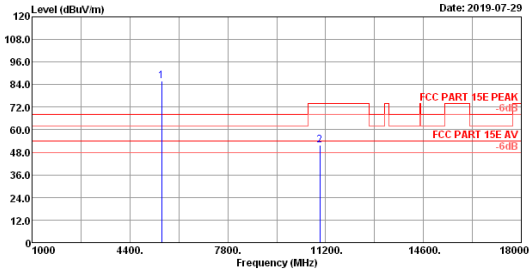
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 63 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 64 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

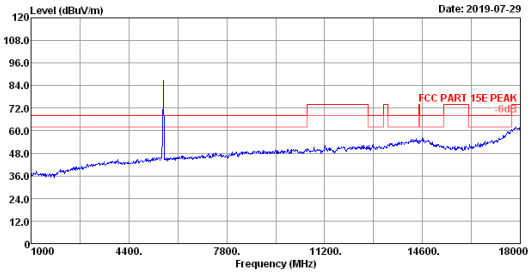


Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.13	1.33	34.30	85.90	86.06	68.20	-17.86	Peak
2	11000.00	37.37	1.82	34.40	46.94	51.73	74.00	22.27	Peak

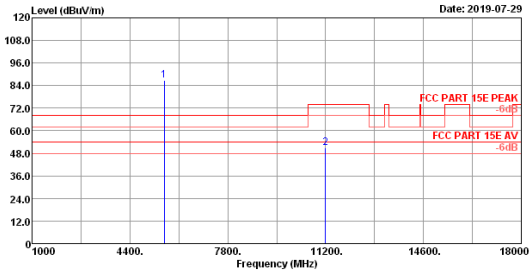
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 65 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 65
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 66 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

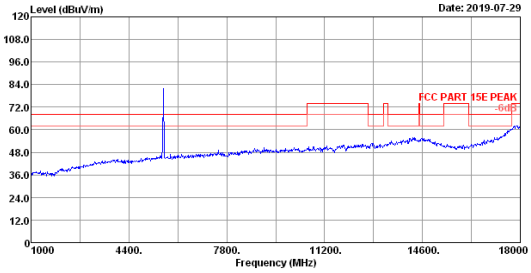


Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	33.01	1.34	34.28	86.92	86.99	68.20	-18.79	Peak
2	11200.00	37.61	1.84	34.40	45.78	50.83	74.00	23.17	Peak

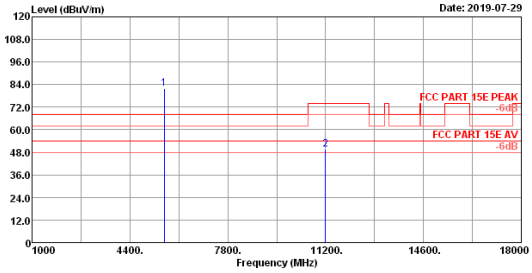
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 67 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 67
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 68 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

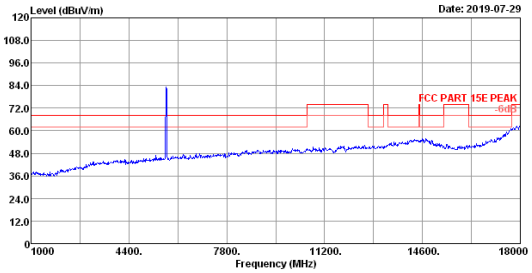


Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	33.01	1.34	34.28	81.70	81.77	68.20	-13.57	Peak
2	11200.00	37.61	1.84	34.40	44.58	49.63	74.00	24.37	Peak

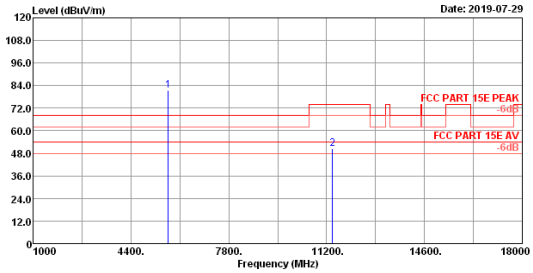
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 69 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 70 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

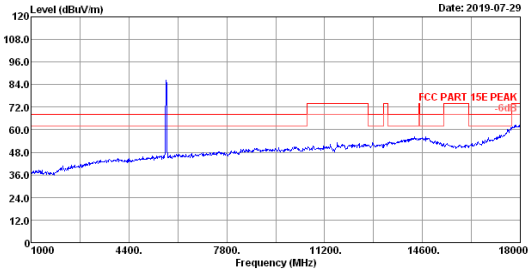


Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.99	1.35	34.26	81.44	81.52	68.20	-13.32	Peak
2	11400.00	37.83	1.86	34.40	45.17	50.46	74.00	23.54	Peak

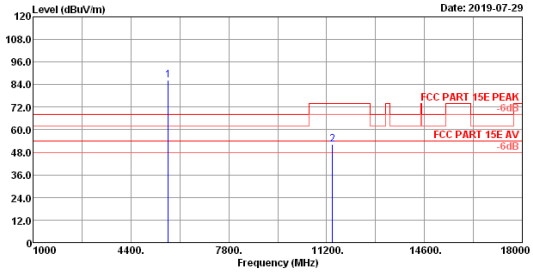
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 71 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 72 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

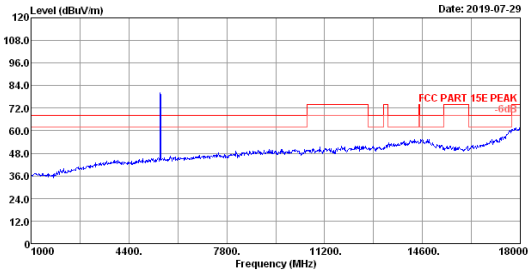


Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5700MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.99	1.35	34.26	86.13	86.21	68.20	-18.01	Peak
2	11400.00	37.83	1.86	34.40	46.92	52.21	74.00	21.79	Peak

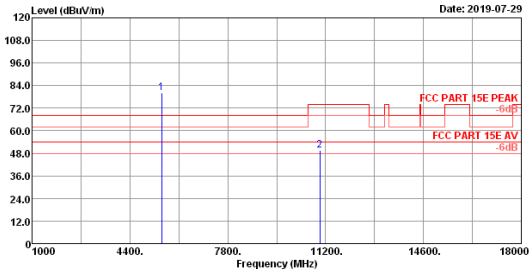
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 73 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 74 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

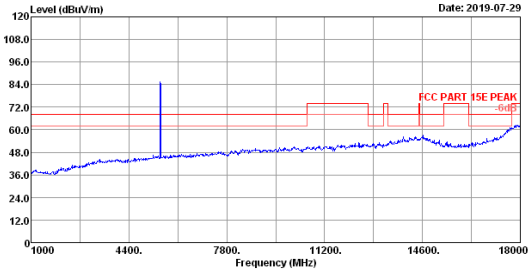


Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.13	1.33	34.30	79.92	80.08	68.20	-11.88	Peak
2	11000.00	37.37	1.82	34.40	44.75	49.54	74.00	24.46	Peak

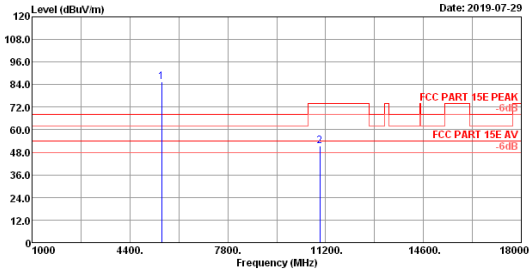
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 75 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 76 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

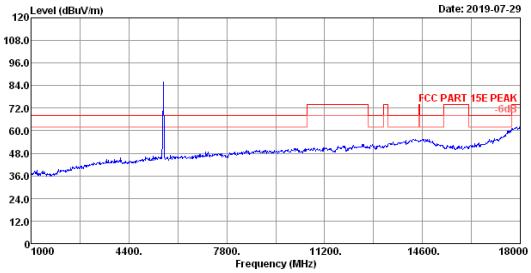


Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5500MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5500.00	33.13	1.33	34.30	85.47	85.63	68.20	-17.43	Peak
2	11000.00	37.37	1.82	34.40	46.58	51.37	74.00	22.63	Peak

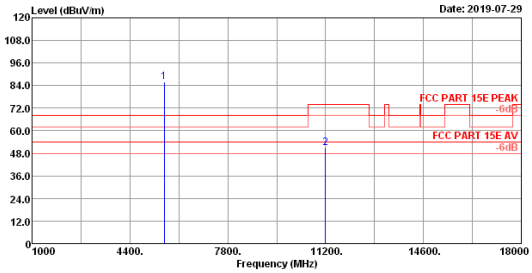
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 77 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 78 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

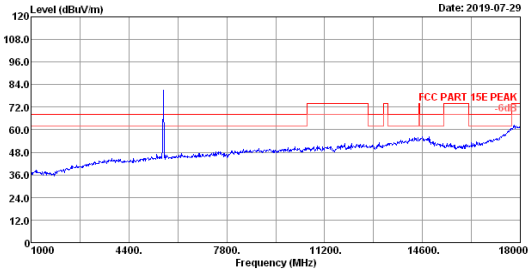


Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	33.01	1.34	34.28	85.84	85.91	68.20	-17.71	Peak
2	11200.00	37.61	1.84	34.40	45.66	50.71	74.00	23.29	Peak

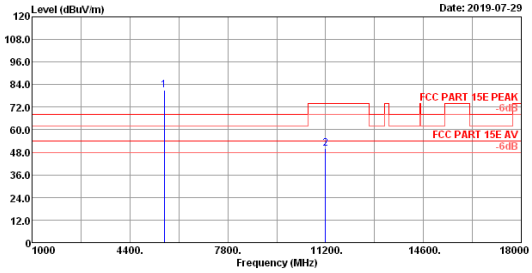
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 79 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 80 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

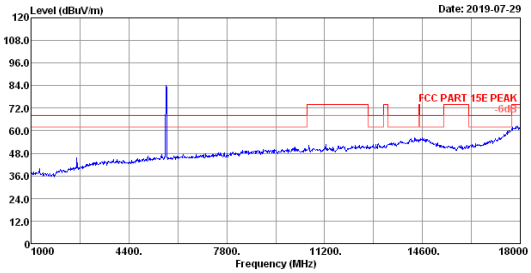


Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5600MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5600.00	33.01	1.34	34.28	80.75	80.82	68.20	-12.62	Peak
2	11200.00	37.61	1.84	34.40	44.94	49.99	74.00	24.01	Peak

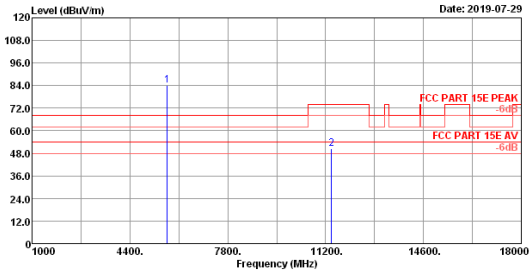
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 81 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)




```
Site no.      : 3m Chamber                Data no.   : 81
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15E PEAK         Pre        :
Env. / Ins.   : 23.4°C/52.9%              Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT20  5700MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

Data: 82 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

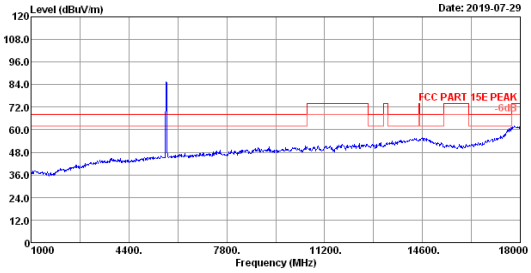



```
Site no.      : 3m Chamber                Data no.   : 82
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15E PEAK         Pre        :
Env. / Ins.   : 23.4°C/52.9%              Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT20  5700MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.99	1.35	34.26	84.20	84.28	68.20	-16.08	Peak
2	11400.00	37.83	1.86	34.40	45.36	50.65	74.00	23.35	Peak

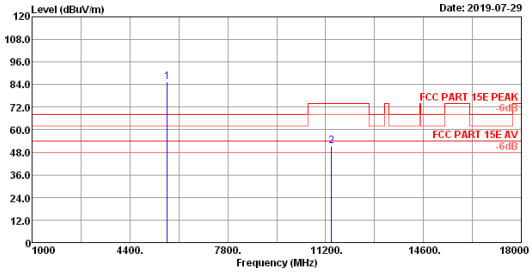
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 83 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)




```
Site no.      : 3m Chamber                Data no.   : 83
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol.  : VERTICAL
Limit         : FCC PART 15E PEAK         Pre        :
Env. / Ins.   : 23.4°C/52.9%              Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT20  5700MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

Data: 84 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

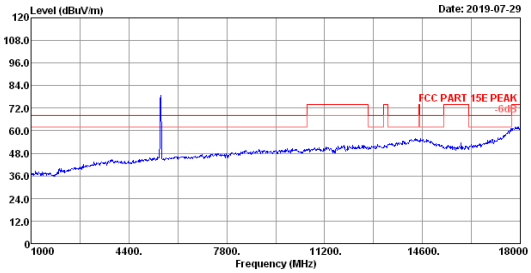



```
Site no.      : 3m Chamber                Data no.   : 84
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol.  : VERTICAL
Limit         : FCC PART 15E PEAK         Pre        :
Env. / Ins.   : 23.4°C/52.9%              Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT20  5700MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5700.00	32.99	1.35	34.26	85.48	85.56	68.20	-17.36	Peak
2	11400.00	37.83	1.86	34.40	46.11	51.40	74.00	22.60	Peak

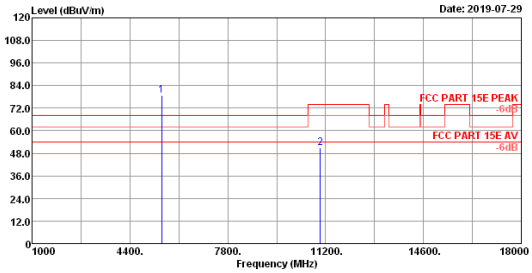
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 85 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 86 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

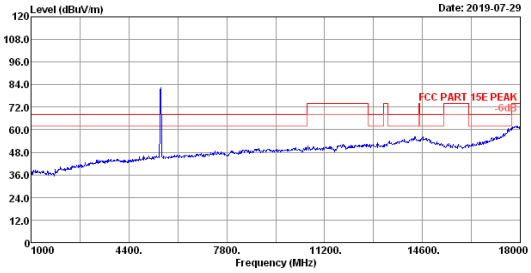


Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.13	1.33	34.30	78.82	78.98	68.20	-10.78	Peak
2	11020.00	37.38	1.82	34.40	46.12	50.92	74.00	23.08	Peak

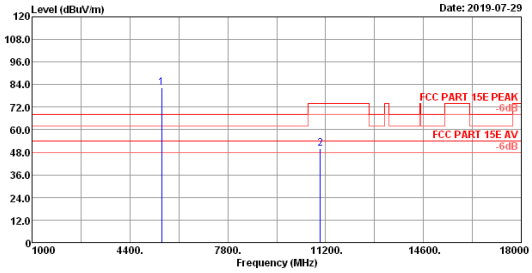
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 87 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 87
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 88 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

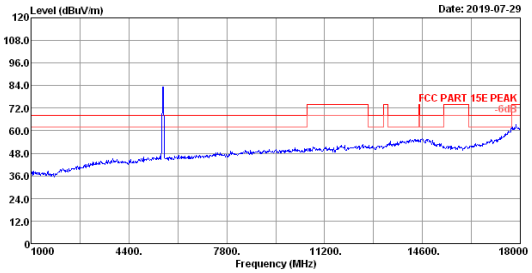


Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.13	1.33	34.30	82.36	82.52	68.20	-14.32	Peak
2	11020.00	37.38	1.82	34.40	45.30	50.10	74.00	23.90	Peak

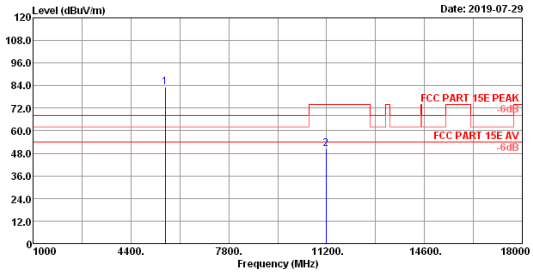
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 89 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5590MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 90 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

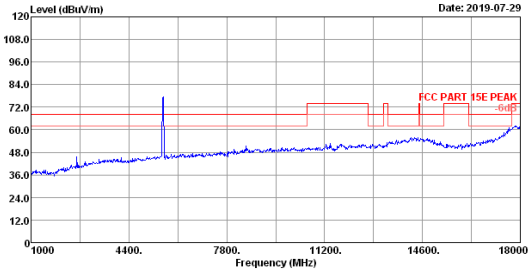


Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5590MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	33.03	1.34	34.28	83.17	83.26	68.20	-15.06	Peak
2	11180.00	37.58	1.84	34.40	45.38	50.40	74.00	23.60	Peak

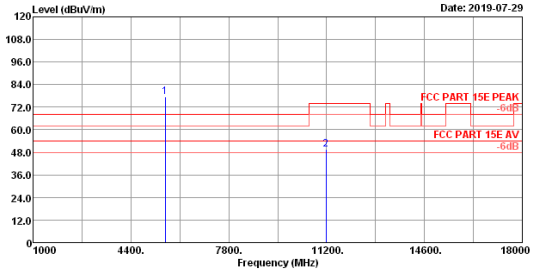
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 91 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5590MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 92 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

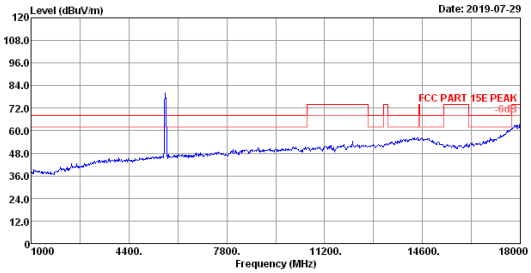


Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5590MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	33.03	1.34	34.28	77.47	77.56	68.20	-9.36	Peak
2	11180.00	37.58	1.84	34.40	44.40	49.42	74.00	24.58	Peak

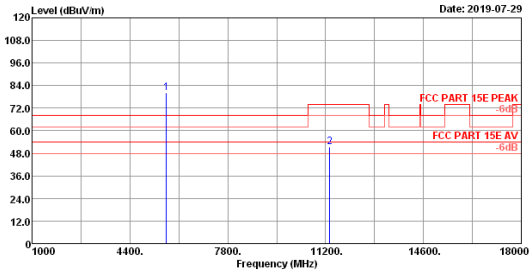
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 93 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 94 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

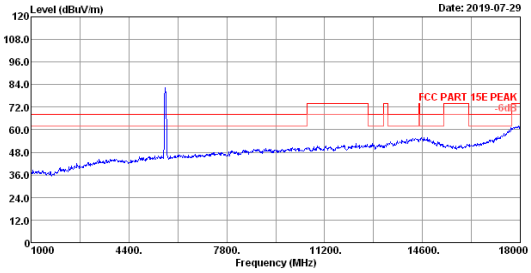


Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	32.99	1.34	34.26	80.26	80.33	68.20	-12.13	Peak
2	11340.00	37.76	1.86	34.40	46.18	51.40	74.00	22.60	Peak

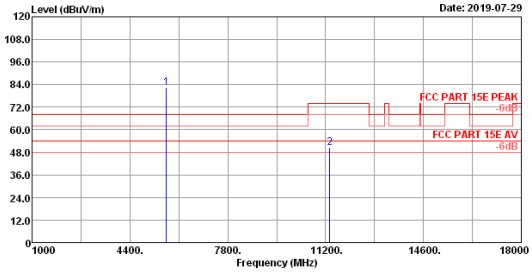
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 95 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 96 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

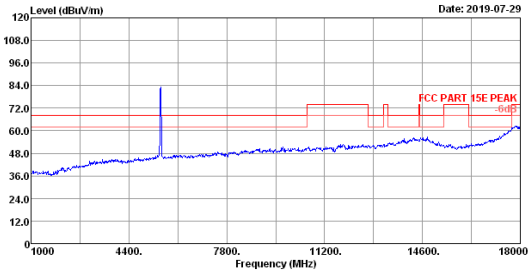


Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	32.99	1.34	34.26	82.24	82.31	68.20	-14.11	Peak
2	11340.00	37.76	1.86	34.40	45.06	50.28	74.00	23.72	Peak

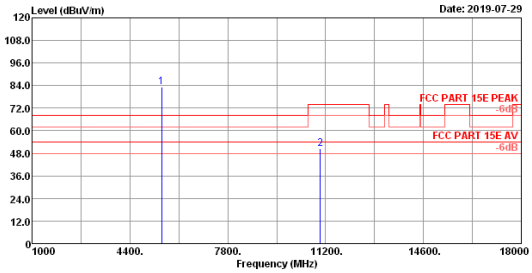
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 97 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 98 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

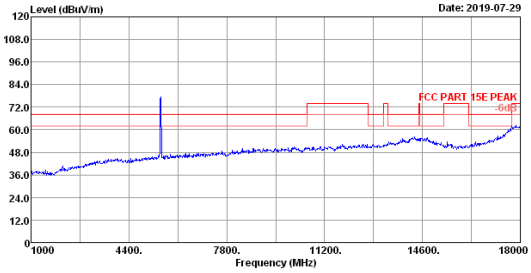


Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.13	1.33	34.30	83.25	83.41	68.20	-15.21	Peak
2	11020.00	37.38	1.82	34.40	45.85	50.65	74.00	23.35	Peak

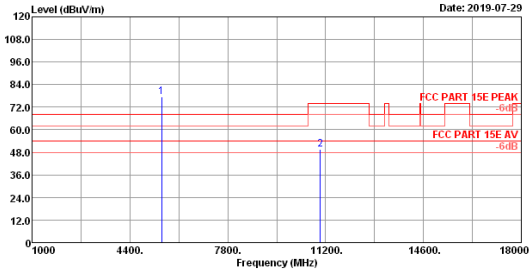
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 99 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 100 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

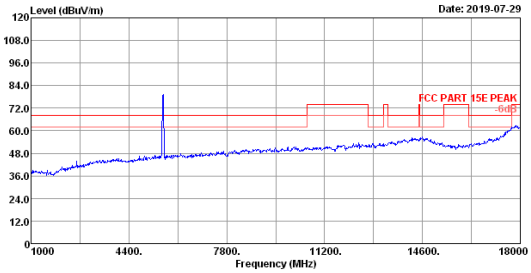


Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5510MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5510.00	33.13	1.33	34.30	77.51	77.67	68.20	-9.47	Peak
2	11020.00	37.38	1.82	34.40	44.90	49.70	74.00	24.30	Peak

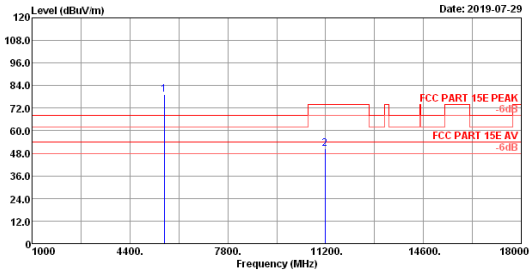
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 101 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)




```
Site no.      : 3m Chamber                  Data no.   : 101
Dis. / Ant.   : 3m   2018 3115-4580         Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15E PEAK           Pre        :
Env. / Ins.   : 23.4°C/52.9%                Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT40  5590MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

Data: 102 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

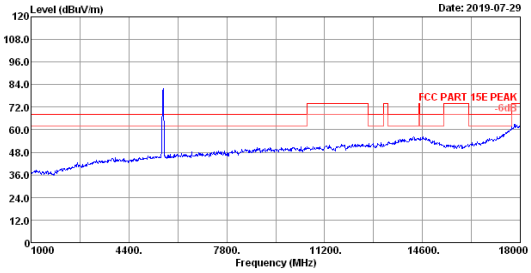



```
Site no.      : 3m Chamber                  Data no.   : 102
Dis. / Ant.   : 3m   2018 3115-4580         Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15E PEAK           Pre        :
Env. / Ins.   : 23.4°C/52.9%                Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT40  5590MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	33.03	1.34	34.28	79.07	79.16	68.20	-10.96	Peak
2	11180.00	37.58	1.84	34.40	45.32	50.34	74.00	23.66	Peak

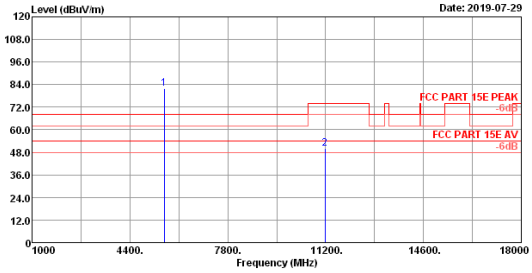
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 103 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)




```
Site no.      : 3m Chamber                  Data no.   : 103
Dis. / Ant.   : 3m   2018 3115-4580         Ant. pol.  : VERTICAL
Limit         : FCC PART 15E PEAK           Pre        :
Env. / Ins.   : 23.4°C/52.9%                Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT40  5590MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

Data: 104 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

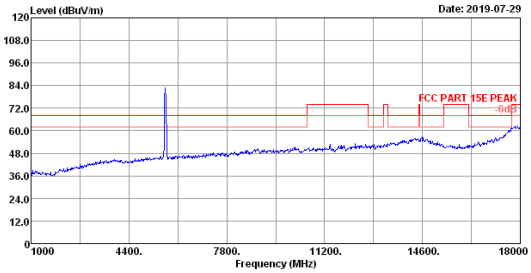



```
Site no.      : 3m Chamber                  Data no.   : 104
Dis. / Ant.   : 3m   2018 3115-4580         Ant. pol.  : VERTICAL
Limit         : FCC PART 15E PEAK           Pre        :
Env. / Ins.   : 23.4°C/52.9%                Engineer   : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11acVHT40  5590MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5590.00	33.03	1.34	34.28	81.88	81.97	68.20	-13.77	Peak
2	11180.00	37.58	1.84	34.40	45.01	50.03	74.00	23.97	Peak

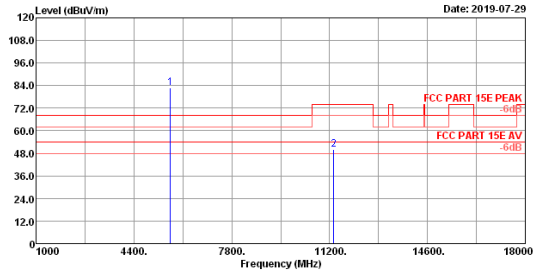
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 105 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 105
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 106 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

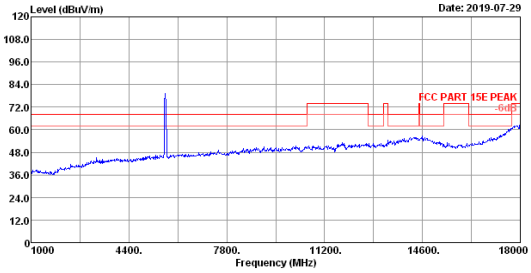


Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	32.99	1.34	34.26	82.70	82.77	68.20	-14.57	Peak
2	11340.00	37.76	1.86	34.40	44.85	50.07	74.00	23.93	Peak

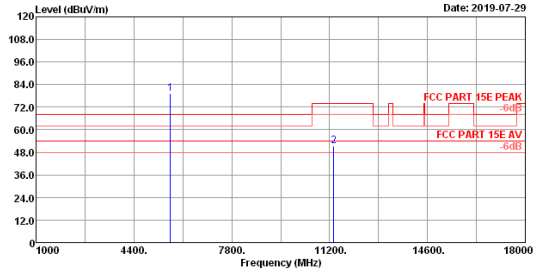
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 107 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 108 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

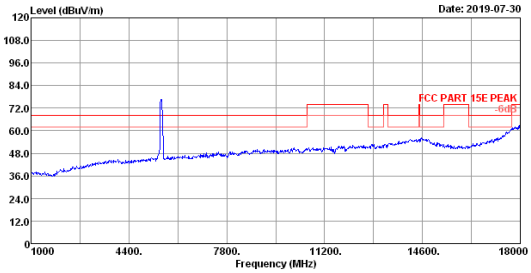


Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5670MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5670.00	32.99	1.34	34.26	79.04	79.11	68.20	-10.91	Peak
2	11340.00	37.76	1.86	34.40	45.93	51.15	74.00	22.85	Peak

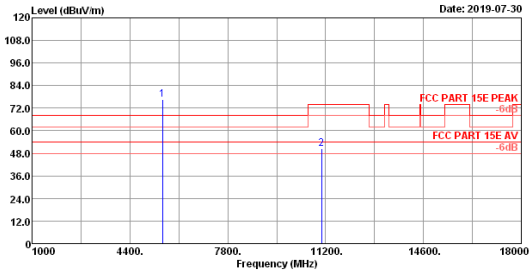
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 109 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 109
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5530MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 110 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

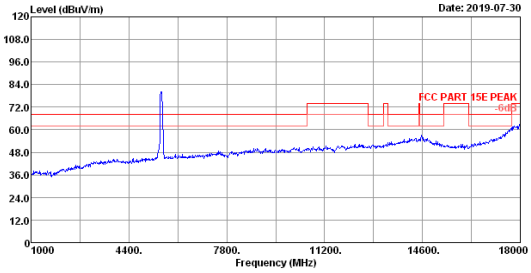


Site no. : 3m Chamber Data no. : 110
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5530MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5530.00	33.11	1.33	34.29	76.63	76.78	68.20	-8.58	Peak
2	11060.00	37.42	1.83	34.40	45.56	50.41	74.00	23.59	Peak

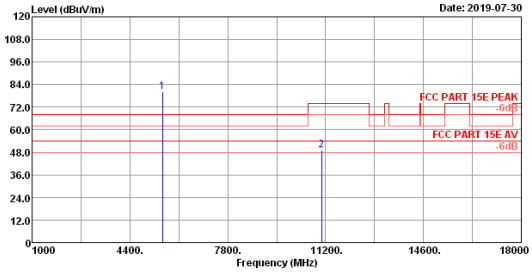
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 111 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 111
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5530MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 112 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

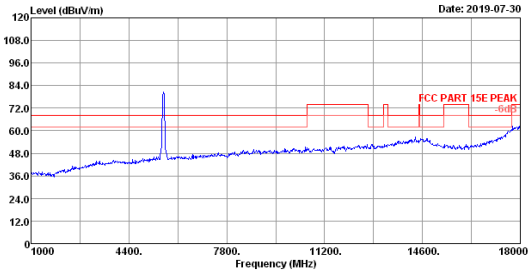


Site no. : 3m Chamber Data no. : 112
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5530MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5530.00	33.11	1.33	34.29	80.00	80.15	68.20	-11.95	Peak
2	11060.00	37.42	1.83	34.40	44.39	49.24	74.00	24.76	Peak

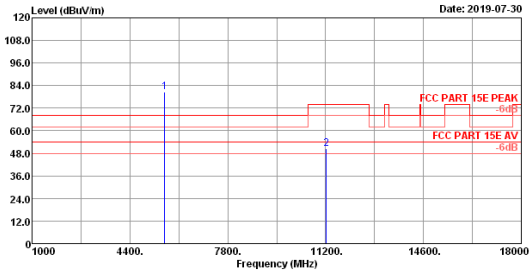
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 113 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 113
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5610MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 114 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

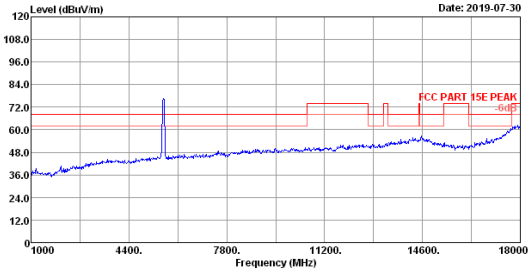


Site no. : 3m Chamber Data no. : 114
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5610MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5610.00	33.01	1.34	34.28	80.71	80.78	68.20	-12.58	Peak
2	11220.00	37.63	1.84	34.40	45.57	50.64	74.00	23.36	Peak

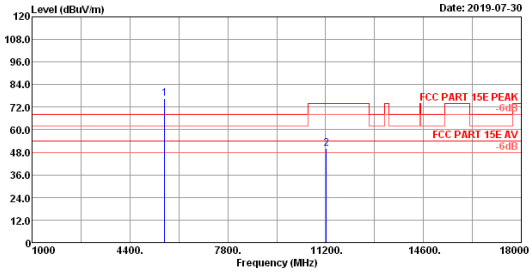
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 115 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)



Site no. : 3m Chamber Data no. : 115
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5610MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 116 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band3.EM6 (116)

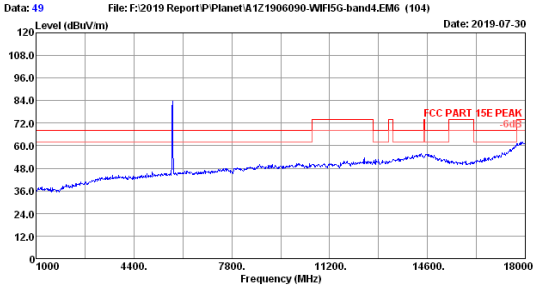


Site no. : 3m Chamber Data no. : 116
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5610MHz Tx Mode
M/N : COSMO COMMUNICATOR

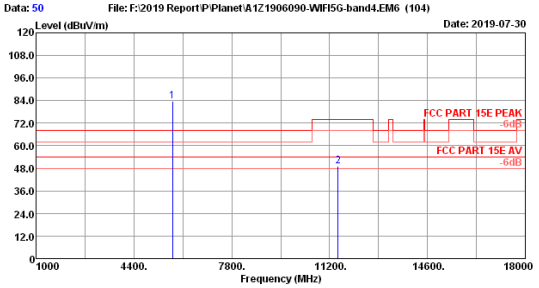
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5610.00	33.01	1.34	34.28	76.33	76.40	68.20	-8.20	Peak
2	11220.00	37.63	1.84	34.40	44.99	50.06	74.00	23.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

U-NII-3 Band:



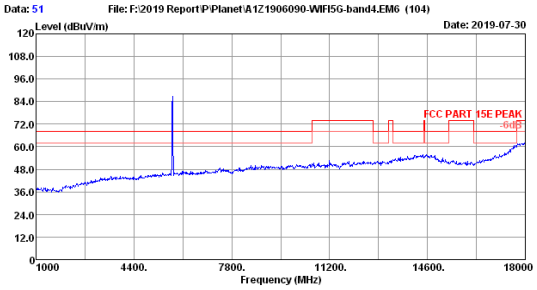
Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR



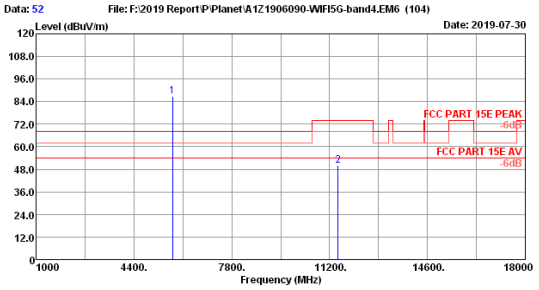
Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	33.05	1.35	34.25	83.72	83.87	68.20	-15.67	Peak
2	11490.00	38.01	1.87	34.40	43.54	49.02	74.00	24.98	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

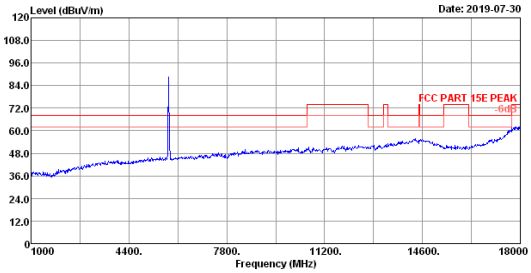


Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	33.05	1.35	34.25	86.55	86.70	68.20	-18.50	Peak
2	11490.00	38.01	1.87	34.40	44.47	49.95	74.00	24.05	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

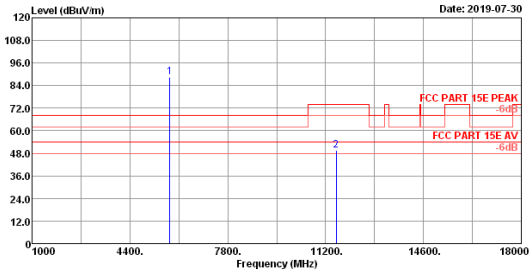
Data: 53 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 53
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 54 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



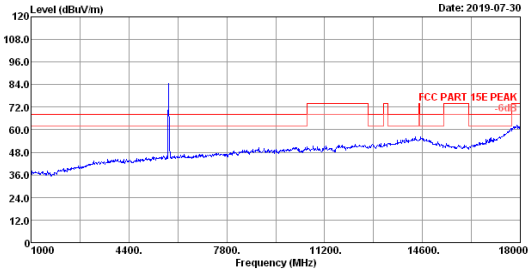
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 54
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.08	1.36	34.24	88.19	88.39	68.20	-20.19	Peak
2	11570.00	38.18	1.88	34.40	43.95	49.61	74.00	24.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

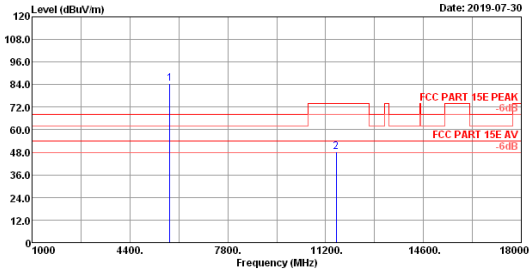
Data: 55 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 55
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 56 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



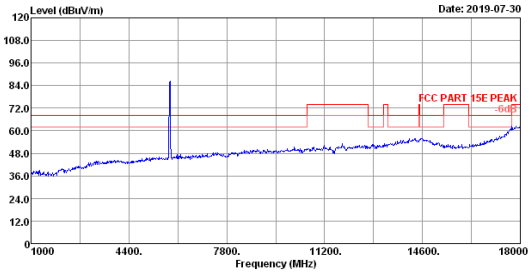
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 56
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.08	1.36	34.24	84.43	84.63	68.20	-16.43	Peak
2	11570.00	38.18	1.88	34.40	42.66	48.32	74.00	25.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

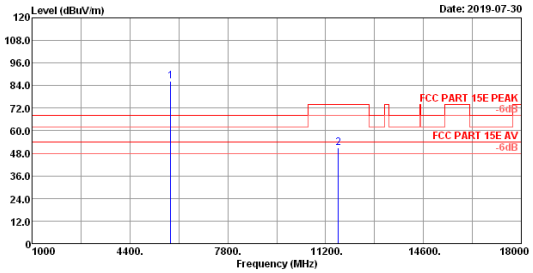
Data: 57 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 57
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

Data: 58 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



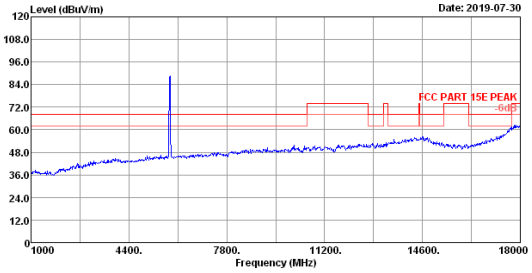
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 58
Ant. pol. : HORIZONTAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.13	1.36	34.23	86.07	86.33	68.20	-18.13	Peak
2	11650.00	38.33	1.89	34.40	45.07	50.89	74.00	23.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

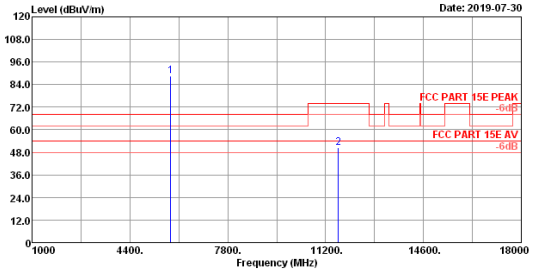
Data: 59 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 59
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

Data: 60 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



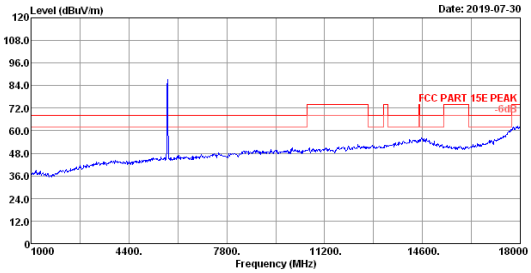
Site no. : 3m Chamber
Dis. / Ant. : 3m 2018 3115-4580
Limit : FCC PART 15E PEAK
Env. / Ins. : 23.4°C/52.9%
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data no. : 60
Ant. pol. : VERTICAL
Pre :
Engineer : Garry

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.13	1.36	34.23	88.20	88.46	68.20	-20.26	Peak
2	11650.00	38.33	1.89	34.40	44.54	50.36	74.00	23.64	Peak

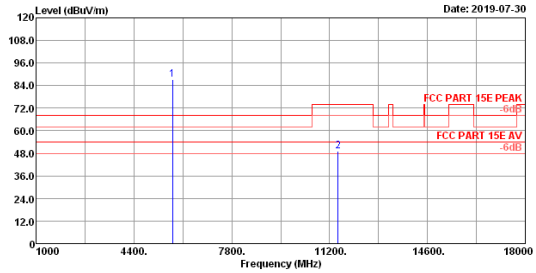
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 61 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 61
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 62 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

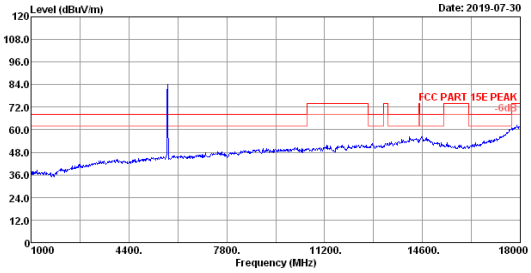


Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	33.05	1.35	34.25	86.88	87.03	68.20	-18.83	Peak
2	11490.00	38.01	1.87	34.40	43.74	49.22	74.00	24.78	Peak

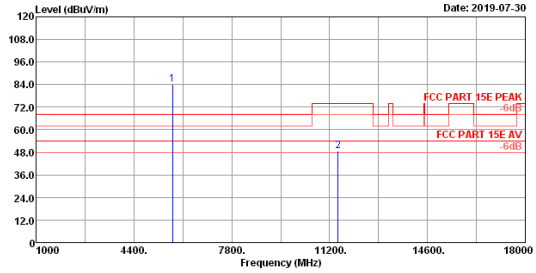
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 63 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 64 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

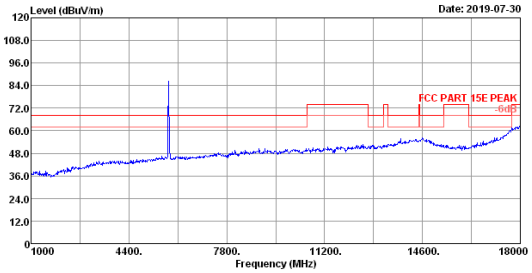


Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	33.05	1.35	34.25	83.79	83.94	68.20	-15.74	Peak
2	11490.00	38.01	1.87	34.40	43.32	48.80	74.00	25.20	Peak

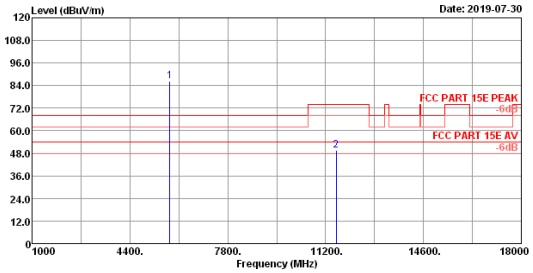
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 65 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)




```
Site no.      : 3m Chamber                Data no.  : 65
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15E PEAK         Pre       :
Env. / Ins.   : 23.4°C/52.9%              Engineer  : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11nHT20  5785MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

Data: 66 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

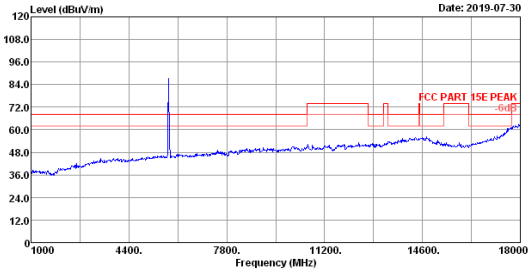



```
Site no.      : 3m Chamber                Data no.  : 66
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15E PEAK         Pre       :
Env. / Ins.   : 23.4°C/52.9%              Engineer  : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11nHT20  5785MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.08	1.36	34.24	86.17	86.37	68.20	-18.17	Peak
2	11570.00	38.18	1.88	34.40	43.84	49.50	74.00	24.50	Peak

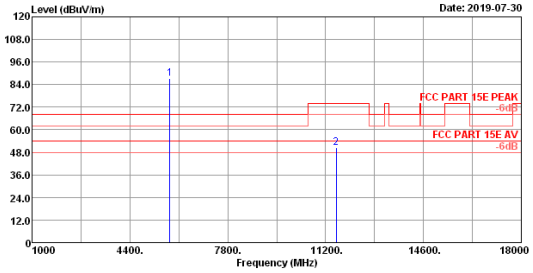
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 67 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)




```
Site no.      : 3m Chamber                Data no.  : 67
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol. : VERTICAL
Limit         : FCC PART 15E PEAK         Pre       :
Env. / Ins.   : 23.4°C/52.9%              Engineer  : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11nHT20  5785MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

Data: 68 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

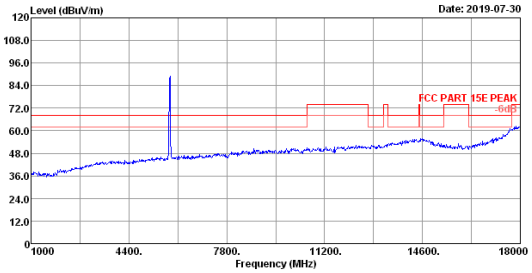



```
Site no.      : 3m Chamber                Data no.  : 68
Dis. / Ant.   : 3m   2018 3115-4580       Ant. pol. : VERTICAL
Limit         : FCC PART 15E PEAK         Pre       :
Env. / Ins.   : 23.4°C/52.9%              Engineer  : Garry
EUT           : COSMO
Power rating  : AC120V/60Hz
Test Mode     : 802.11nHT20  5785MHz Tx Mode
M/N           : COSMO COMMUNICATOR
```

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.08	1.36	34.24	87.07	87.27	68.20	-19.07	Peak
2	11570.00	38.18	1.88	34.40	44.74	50.40	74.00	23.60	Peak

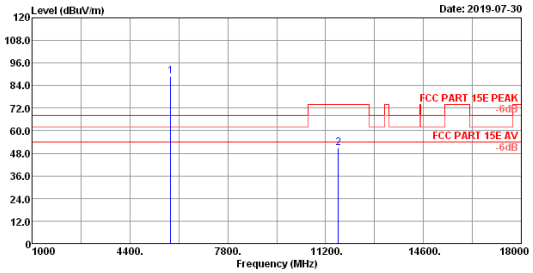
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 69 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 70 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

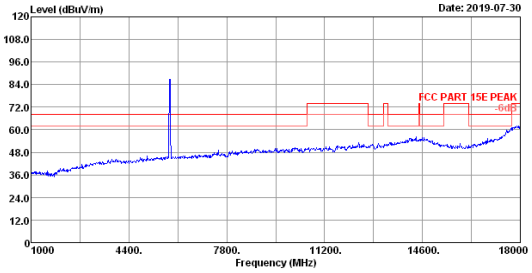


Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.13	1.36	34.23	88.95	89.21	68.20	-21.01	Peak
2	11650.00	38.33	1.89	34.40	44.91	50.73	74.00	23.27	Peak

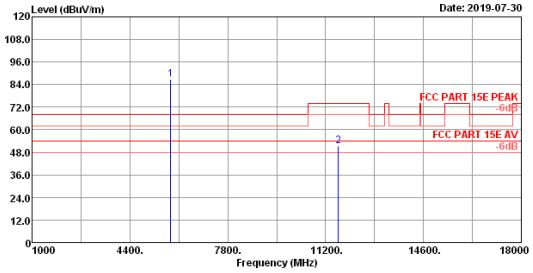
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 71 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 72 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

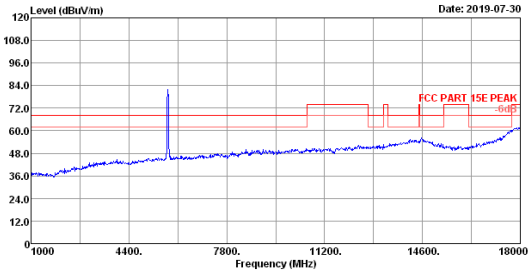


Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.13	1.36	34.23	86.70	86.96	68.20	-18.76	Peak
2	11650.00	38.33	1.89	34.40	45.41	51.23	74.00	22.77	Peak

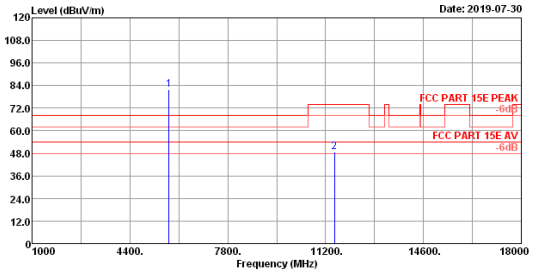
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 73 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 74 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

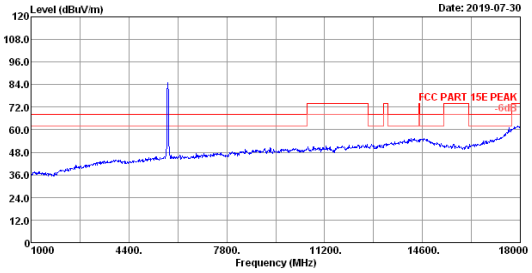


Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	33.06	1.35	34.25	81.77	81.93	68.20	-13.73	Peak
2	11510.00	38.04	1.88	34.40	43.29	48.81	74.00	25.19	Peak

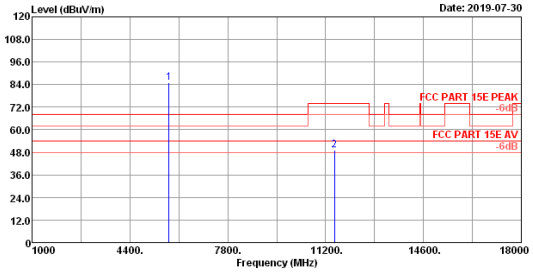
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 75 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 76 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

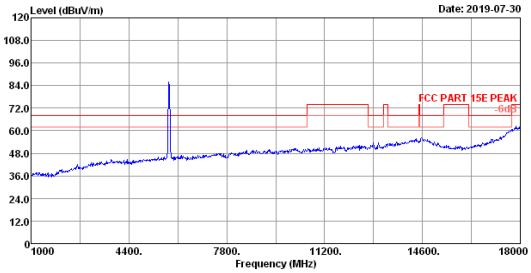


Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	33.06	1.35	34.25	84.75	84.91	68.20	-16.71	Peak
2	11510.00	38.04	1.88	34.40	43.79	49.31	74.00	24.69	Peak

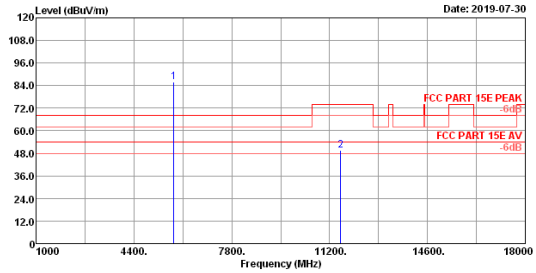
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 77 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 78 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

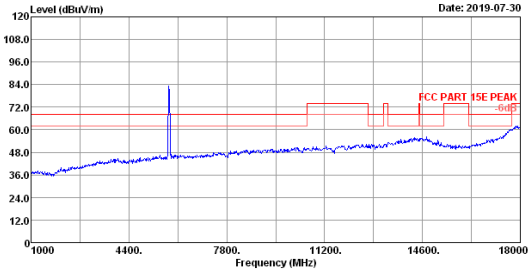


Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.10	1.36	34.24	85.58	85.80	68.20	-17.60	Peak
2	11590.00	38.21	1.89	34.40	43.75	49.45	74.00	24.55	Peak

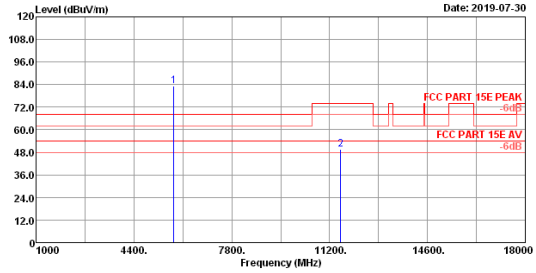
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 79 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 80 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

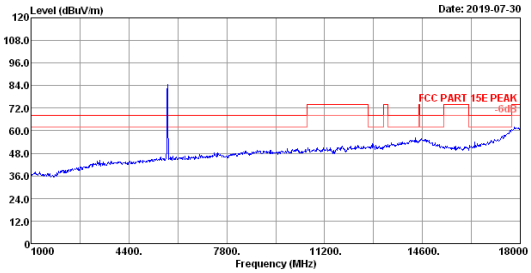


Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.10	1.36	34.24	82.92	83.14	68.20	-14.94	Peak
2	11590.00	38.21	1.89	34.40	43.97	49.67	74.00	24.33	Peak

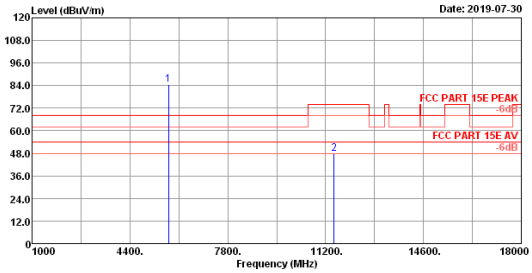
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 81 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 82 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

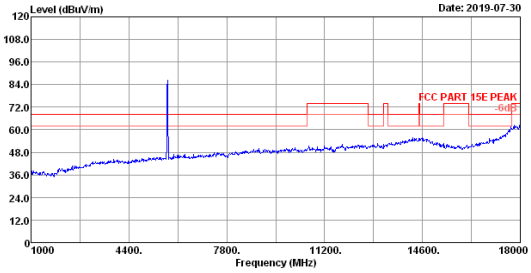


Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	33.05	1.35	34.25	84.44	84.59	68.20	-16.39	Peak
2	11490.00	38.01	1.87	34.40	42.52	48.00	74.00	26.00	Peak

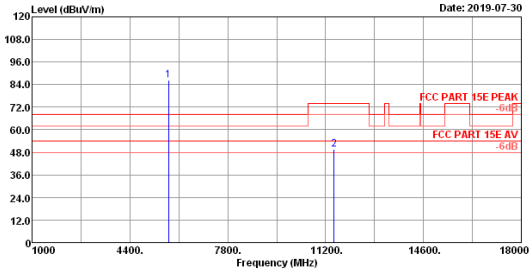
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 83 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 84 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

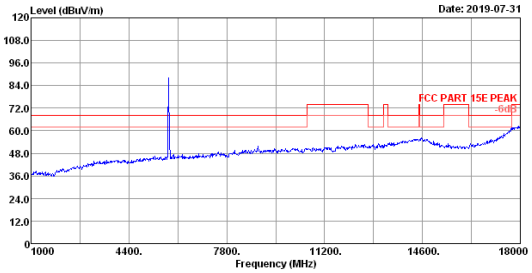


Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5745MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5745.00	33.05	1.35	34.25	86.18	86.33	68.20	-18.13	Peak
2	11490.00	38.01	1.87	34.40	43.94	49.42	74.00	24.58	Peak

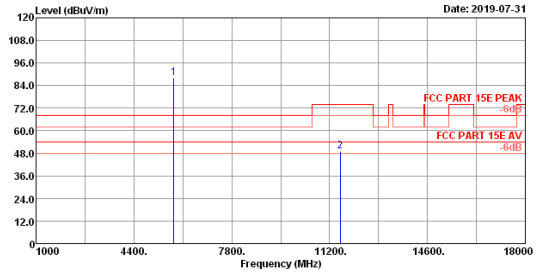
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 85 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 86 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

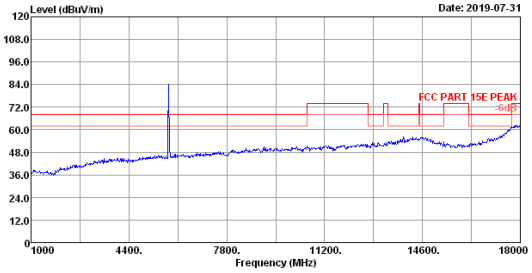


Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.08	1.36	34.24	87.97	88.17	68.20	-19.97	Peak
2	11570.00	38.18	1.88	34.40	43.62	49.28	74.00	24.72	Peak

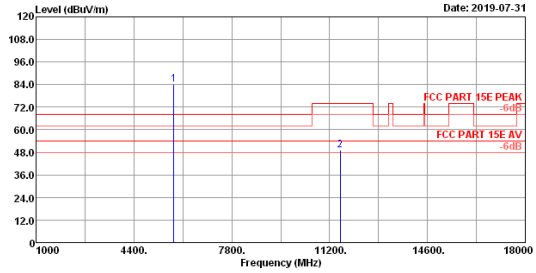
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 87 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 87
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 88 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

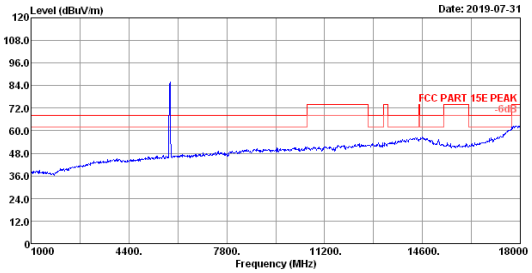


Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5785MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5785.00	33.08	1.36	34.24	83.83	84.03	68.20	-15.83	Peak
2	11570.00	38.18	1.88	34.40	43.39	49.05	74.00	24.95	Peak

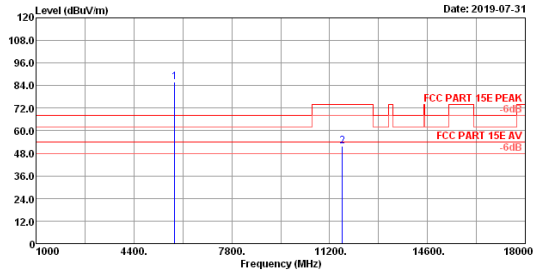
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 89 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 90 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

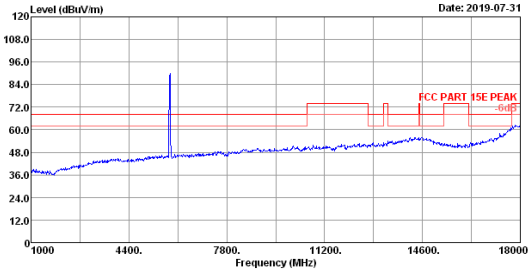


Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.13	1.36	34.23	85.71	85.97	68.20	-17.77	Peak
2	11650.00	38.33	1.89	34.40	45.83	51.65	74.00	22.35	Peak

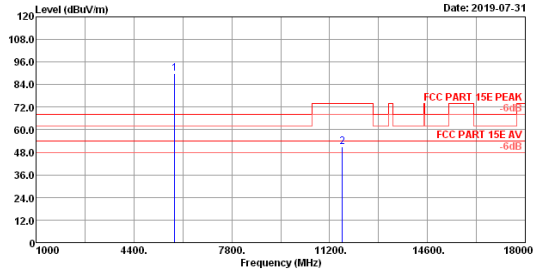
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 91 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 92 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

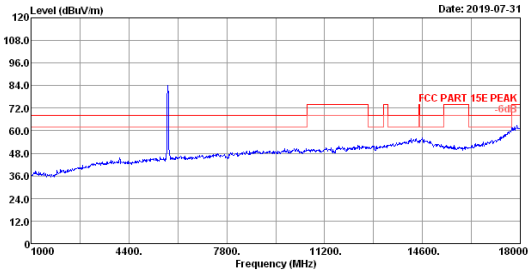


Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT20 5825MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5825.00	33.13	1.36	34.23	89.76	90.02	68.20	-21.82	Peak
2	11650.00	38.33	1.89	34.40	45.24	51.06	74.00	22.94	Peak

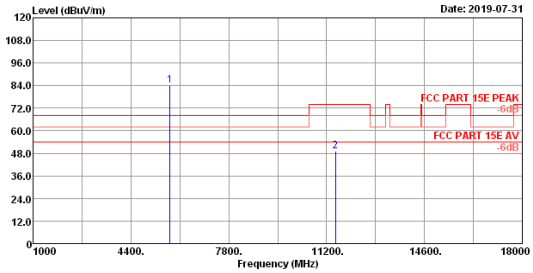
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 93 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 93
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 94 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

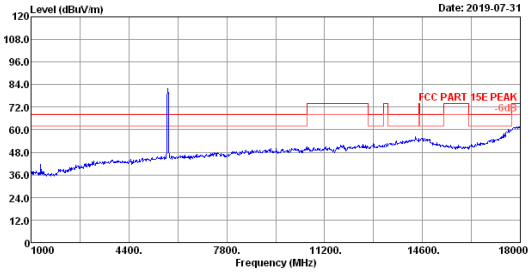


Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5755.00	33.06	1.35	34.25	84.04	84.20	68.20	-16.00	Peak
2	11510.00	38.04	1.88	34.40	43.55	49.07	74.00	24.93	Peak

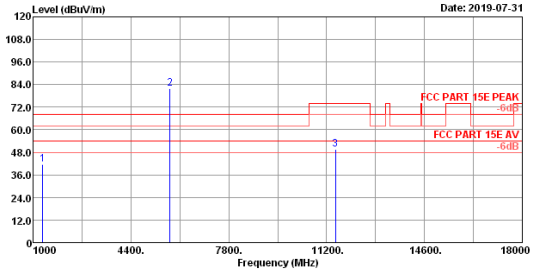
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 95 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 96 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

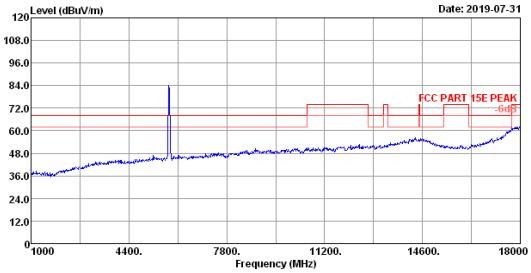


Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5755MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1340.00	25.01	0.65	36.13	52.05	41.58	68.20	26.62	Peak
2	5755.00	33.06	1.35	34.25	81.62	81.78	68.20	-13.58	Peak
3	11510.00	38.04	1.88	34.40	44.00	49.52	74.00	24.48	Peak

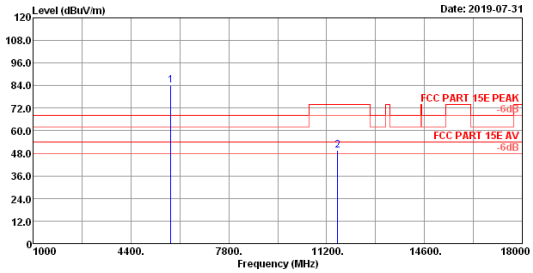
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 97 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

Data: 98 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)

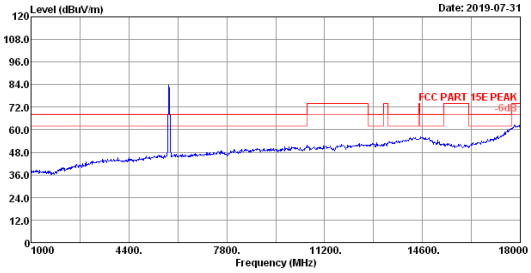


Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.10	1.36	34.24	83.88	84.10	68.20	-15.90	Peak
2	11590.00	38.21	1.89	34.40	43.90	49.60	74.00	24.40	Peak

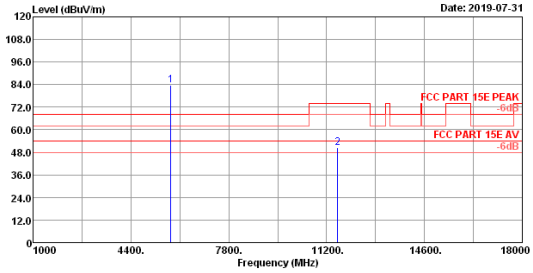
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 99 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

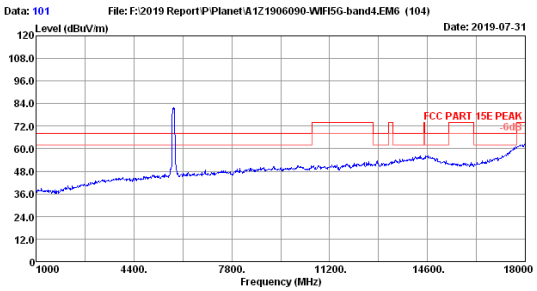
Data: 100 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band4.EM6 (104)



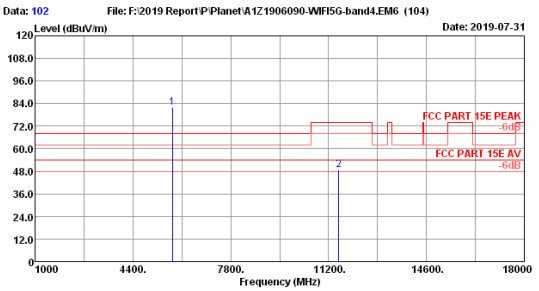
Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT40 5795MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5795.00	33.10	1.36	34.24	83.43	83.65	68.20	-15.45	Peak
2	11590.00	38.21	1.89	34.40	44.87	50.57	74.00	23.43	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



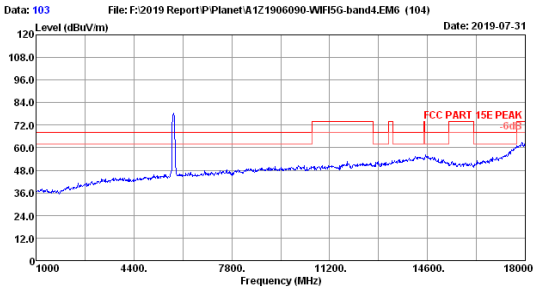
Site no. : 3m Chamber Data no. : 101
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT80 5775MHz Tx Mode
M/N : COSMO COMMUNICATOR



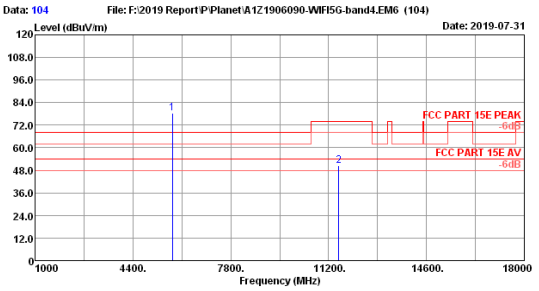
Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT80 5775MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5775.00	33.08	1.36	34.24	81.73	81.93	68.20	-13.73	Peak
2	11550.00	38.15	1.88	34.40	43.23	48.86	74.00	25.14	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 103
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT80 5775MHz Tx Mode
M/N : COSMO COMMUNICATOR



Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2018 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E PEAK Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acvHT80 5775MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5775.00	33.08	1.36	34.24	78.12	78.32	68.20	-10.12	Peak
2	11550.00	38.15	1.88	34.40	44.72	50.35	74.00	23.65	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

5. BAND EDGE COMPLIANCE TEST

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Jun.30,19	1 Year
2.	Amplifier	HP	8449B	3008A02495	Apr.23,19	1 Year
3.	Horn Antenna	ETS	3115	9607-4580	Dec.13,18	1 Year
4.	Horn Antenna	ETS	3115	9607-4877	Dec.13,18	1 Year
5.	RF Cable	EMCI	EMC102-KM-KM 3500	170702	May.13,19	1 Year

5.2.Limit

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For devices with both operating frequencies and channel bandwidths contained within the band 5250-5350 MHz, All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For transmitters operating in the band 5470-5725MHz,Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

For transmitters operating in the 5.725-5.85 GHz band:All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

5.3.Test Procedure

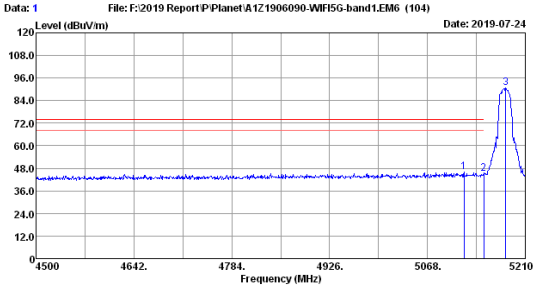
Use the test method descried in ANSI C63.10 clause 6.10:

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
   (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
   (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO
5. Per KDB789033 clause H 2)d).if the test distance is 3m,the EIRP(dBm)=E(dBuv/m)-95.2
   Get the final compare with limit.

5.4.Test Results

Pass (The testing data was attached in the next pages.)

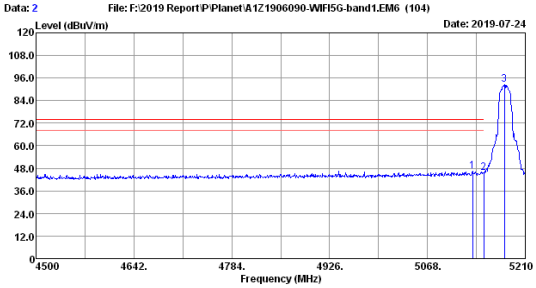
U-NII-1 Band:



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5121.25	32.82	1.28	34.38	46.12	45.84	74.00	28.16	Peak
2	5150.00	32.83	1.29	34.37	45.40	45.15	74.00	28.85	Peak
3	5181.60	32.85	1.29	34.36	90.89	90.67	------	------	Peak

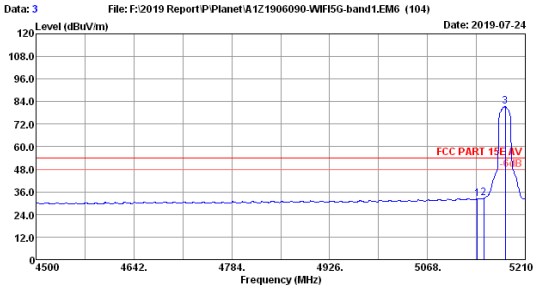
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5133.32	32.83	1.28	34.37	46.65	46.39	74.00	27.61	Peak
2	5150.00	32.83	1.29	34.37	45.82	45.57	74.00	28.43	Peak
3	5179.47	32.85	1.29	34.36	92.75	92.53	------	------	Peak

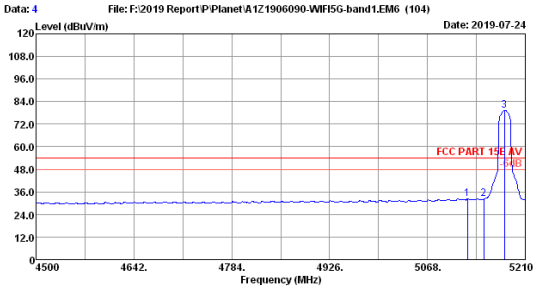
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5140.42	32.83	1.29	34.37	32.70	32.45	54.00	21.55	Average
2	5150.00	32.83	1.29	34.37	32.81	32.56	54.00	21.44	Average
3	5180.89	32.85	1.29	34.36	81.52	81.30	54.00	-27.30	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

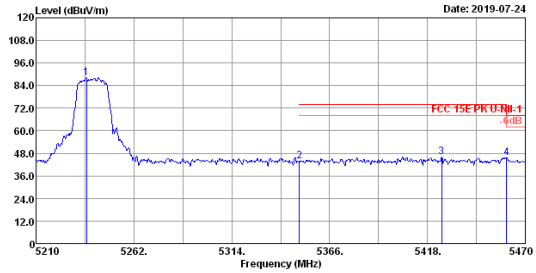


Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5126.22	32.83	1.28	34.37	32.44	32.18	54.00	21.82	Average
2	5150.00	32.83	1.29	34.37	32.36	32.11	54.00	21.89	Average
3	5179.47	32.85	1.29	34.36	79.67	79.45	54.00	-25.45	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 5 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

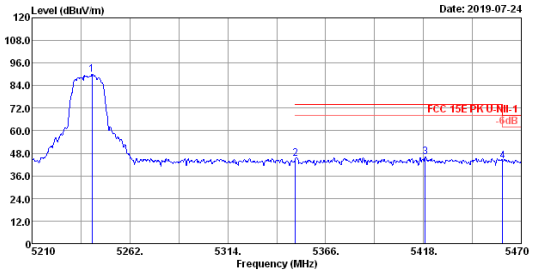


Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5236.78	32.92	1.30	34.35	88.24	88.11	------	------	Peak
2	5350.00	33.10	1.31	34.33	43.77	43.85	74.00	30.15	Peak
3	5425.54	33.17	1.32	34.32	45.97	46.14	74.00	27.86	Peak
4	5460.00	33.16	1.32	34.31	45.22	45.39	68.20	22.81	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 6 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

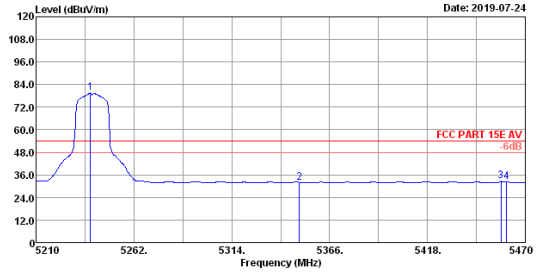


Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5241.98	32.94	1.30	34.35	89.99	89.88	------	------	Peak
2	5350.00	33.10	1.31	34.33	45.03	45.11	74.00	28.89	Peak
3	5419.04	33.17	1.32	34.32	46.02	46.19	74.00	27.81	Peak
4	5460.00	33.16	1.32	34.31	43.62	43.79	68.20	24.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 7 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

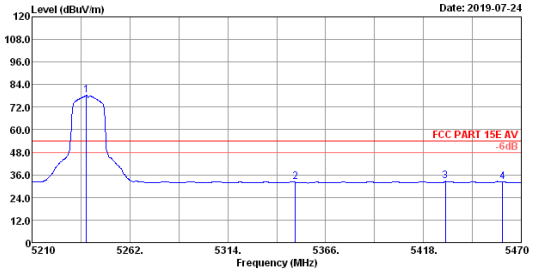


Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.86	32.92	1.30	34.35	79.65	79.52	54.00	-25.52	Average
2	5350.00	33.10	1.31	34.33	31.96	32.04	54.00	21.96	Average
3	5457.00	33.16	1.32	34.31	32.39	32.56	54.00	21.44	Average
4	5460.00	33.16	1.32	34.31	32.14	32.31	54.00	21.69	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 8 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

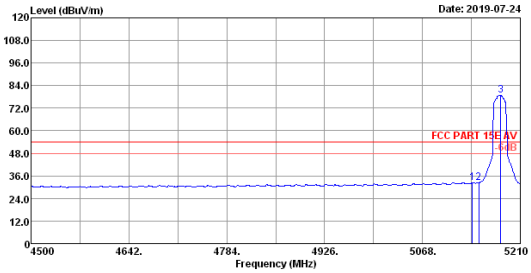


Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11a 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.86	32.92	1.30	34.35	78.33	78.20	54.00	-24.20	Average
2	5350.00	33.10	1.31	34.33	32.04	32.12	54.00	21.88	Average
3	5429.70	33.16	1.32	34.31	32.39	32.56	54.00	21.44	Average
4	5460.00	33.16	1.32	34.31	32.16	32.33	54.00	21.67	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 9 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

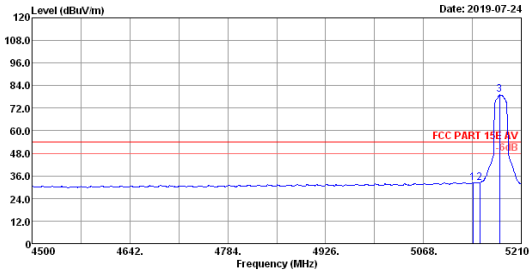


Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5140.42	32.83	1.29	34.37	32.57	32.32	54.00	21.68	Average
2	5150.00	32.83	1.29	34.37	32.55	32.30	54.00	21.70	Average
3	5181.60	32.85	1.29	34.36	79.23	79.01	54.00	-25.01	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 10 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

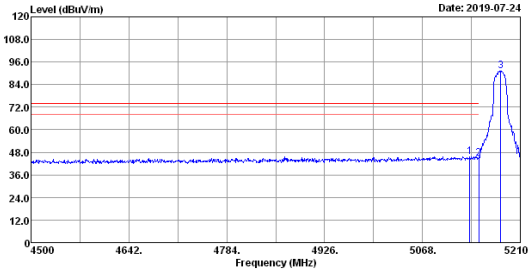


Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5139.71	32.83	1.29	34.37	32.70	32.45	54.00	21.55	Average
2	5150.00	32.83	1.29	34.37	32.65	32.40	54.00	21.60	Average
3	5178.76	32.85	1.29	34.36	79.27	79.05	54.00	-25.05	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 11 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

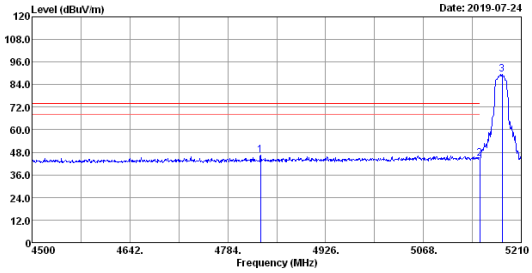


Site no. : 3m Chamber Data no. : 11
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5136.87	32.83	1.28	34.37	46.00	45.74	74.00	28.26	Peak
2	5150.00	32.83	1.29	34.37	45.11	44.86	74.00	29.14	Peak
3	5181.60	32.85	1.29	34.36	91.50	91.28	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 12 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

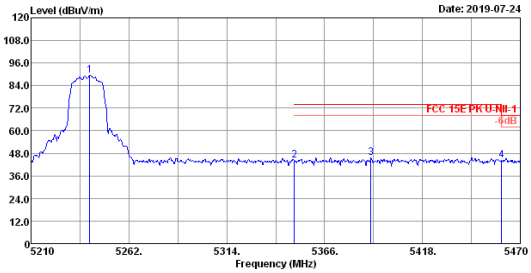


Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4831.57	32.13	1.25	34.37	47.68	46.69	74.00	27.31	Peak
2	5150.00	32.83	1.29	34.37	45.04	44.79	74.00	29.21	Peak
3	5182.31	32.85	1.29	34.36	89.78	89.56	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 13 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

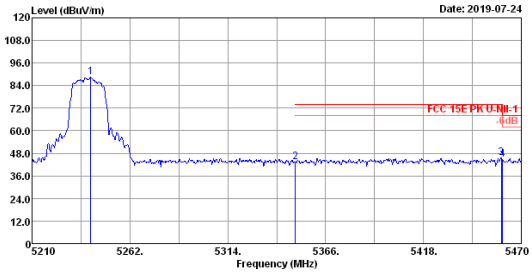


Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5241.20	32.92	1.30	34.35	89.49	89.36	------	------	Peak
2	5350.00	33.10	1.31	34.33	44.06	44.14	74.00	29.86	Peak
3	5390.70	33.15	1.31	34.32	45.33	45.47	74.00	28.53	Peak
4	5460.12	33.16	1.32	34.31	43.99	44.16	68.20	24.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 14 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

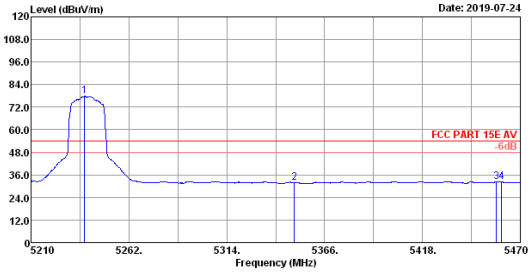


Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5241.20	32.92	1.30	34.35	88.66	88.53	------	------	Peak
2	5350.00	33.10	1.31	34.33	43.46	43.54	74.00	30.46	Peak
3	5459.34	33.16	1.32	34.31	45.31	45.48	74.00	28.52	Peak
4	5460.12	33.16	1.32	34.31	44.58	44.75	68.20	23.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 15 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

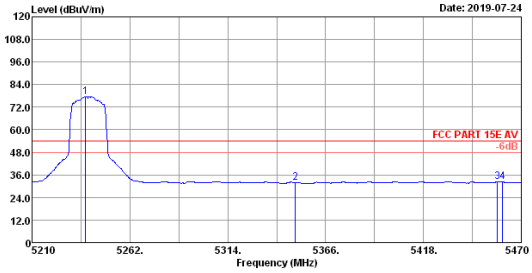


Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.34	32.92	1.30	34.35	77.95	77.82	54.00	-23.82	Average
2	5350.00	33.10	1.31	34.33	31.87	31.95	54.00	22.05	Average
3	5457.26	33.16	1.32	34.31	32.29	32.46	54.00	21.54	Average
4	5460.12	33.16	1.32	34.31	32.02	32.19	54.00	21.81	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 16 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

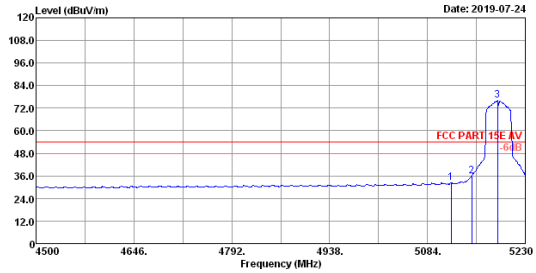


Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.34	32.92	1.30	34.35	77.79	77.66	54.00	-23.66	Average
2	5350.00	33.10	1.31	34.33	31.88	31.96	54.00	22.04	Average
3	5457.26	33.16	1.32	34.31	32.29	32.46	54.00	21.54	Average
4	5460.12	33.16	1.32	34.31	32.04	32.21	54.00	21.79	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 17 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

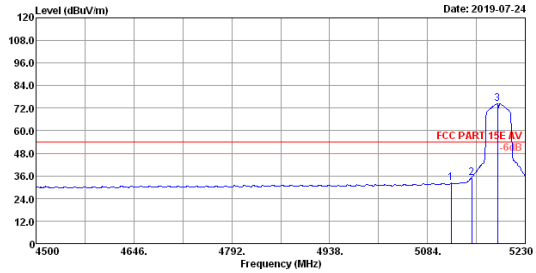


Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5119.04	32.82	1.28	34.38	32.54	32.26	54.00	21.74	Average
2	5150.00	32.83	1.29	34.37	36.15	35.90	54.00	18.10	Average
3	5188.39	32.85	1.29	34.36	76.23	76.01	54.00	-22.01	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 18 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

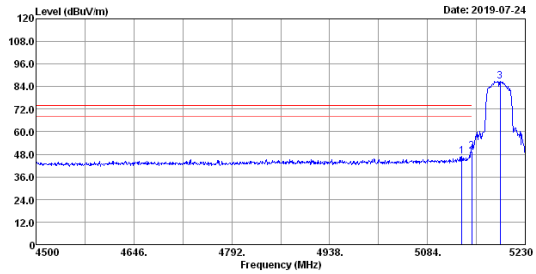


Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5119.04	32.82	1.28	34.38	32.42	32.14	54.00	21.86	Average
2	5150.00	32.83	1.29	34.37	35.25	35.00	54.00	19.00	Average
3	5188.39	32.85	1.29	34.36	74.83	74.61	54.00	-20.61	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 19 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

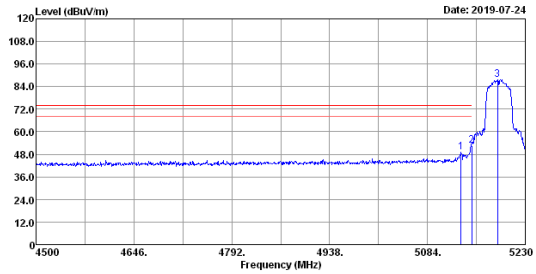


Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5135.10	32.83	1.28	34.37	47.15	46.89	74.00	27.11	Peak
2	5150.00	32.83	1.29	34.37	50.00	49.75	74.00	24.25	Peak
3	5192.77	32.86	1.29	34.36	87.11	86.90	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 20 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

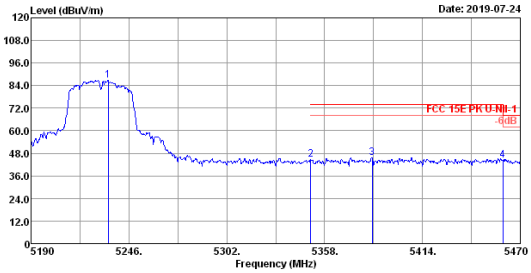


Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5134.37	32.83	1.28	34.37	49.20	48.94	74.00	25.06	Peak
2	5150.00	32.83	1.29	34.37	52.73	52.48	74.00	21.52	Peak
3	5188.39	32.85	1.29	34.36	87.95	87.73	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 21 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

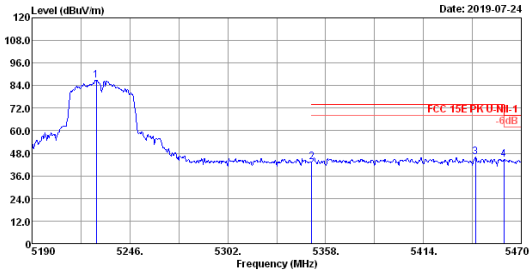


Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5234.24	32.92	1.30	34.35	86.89	86.76	------	------	Peak
2	5350.00	33.10	1.31	34.33	44.43	44.51	74.00	29.49	Peak
3	5385.16	33.15	1.31	34.32	45.57	45.71	74.00	28.29	Peak
4	5460.00	33.16	1.32	34.31	44.24	44.41	68.20	23.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 22 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

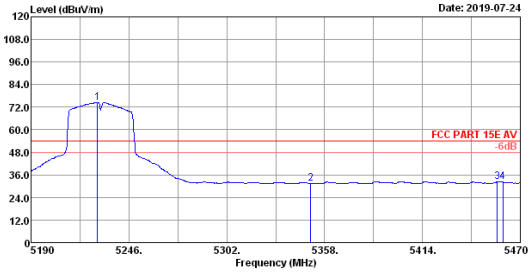


Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5226.68	32.92	1.30	34.35	87.07	86.94	------	------	Peak
2	5350.00	33.10	1.31	34.33	43.21	43.29	74.00	30.71	Peak
3	5443.68	33.16	1.32	34.31	45.75	45.92	74.00	28.08	Peak
4	5460.00	33.16	1.32	34.31	44.38	44.55	68.20	23.65	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 23 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

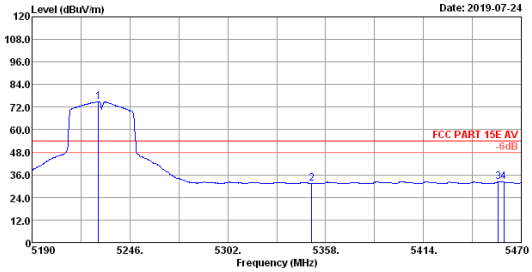


Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5228.08	32.92	1.30	34.35	74.72	74.59	54.00	-20.59	Average
2	5350.00	33.10	1.31	34.33	31.42	31.50	54.00	22.50	Average
3	5456.84	33.16	1.32	34.31	32.18	32.35	54.00	21.65	Average
4	5460.00	33.16	1.32	34.31	31.94	32.11	54.00	21.89	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 24 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

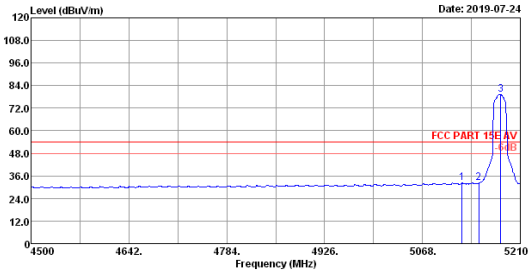


Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11nHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5228.08	32.92	1.30	34.35	75.16	75.03	54.00	-21.03	Average
2	5350.00	33.10	1.31	34.33	31.42	31.50	54.00	22.50	Average
3	5456.84	33.16	1.32	34.31	32.17	32.34	54.00	21.66	Average
4	5460.00	33.16	1.32	34.31	32.02	32.19	54.00	21.81	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 25 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

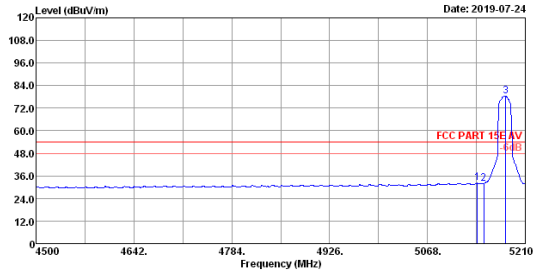


Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5125.51	32.83	1.28	34.37	32.42	32.16	54.00	21.84	Average
2	5150.00	32.83	1.29	34.37	32.37	32.12	54.00	21.88	Average
3	5181.60	32.85	1.29	34.36	79.49	79.27	54.00	-25.27	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 26 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

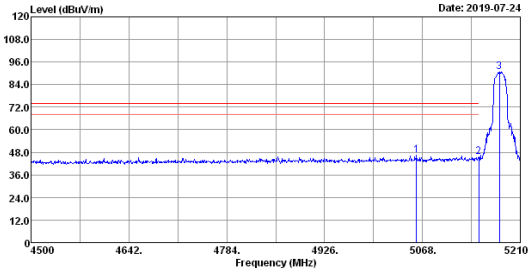


Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5140.42	32.83	1.29	34.37	32.35	32.10	54.00	21.90	Average
2	5150.00	32.83	1.29	34.37	32.27	32.02	54.00	21.98	Average
3	5181.60	32.85	1.29	34.36	78.78	78.56	54.00	-24.56	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 27 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

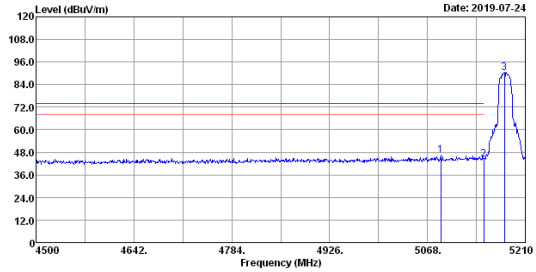


Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5059.48	32.70	1.28	34.39	46.90	46.49	74.00	27.51	Peak
2	5150.00	32.83	1.29	34.37	45.90	45.65	74.00	28.35	Peak
3	5179.47	32.85	1.29	34.36	90.98	90.76	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 28 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

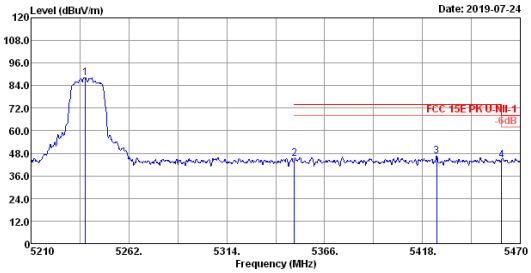


Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5180MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5087.17	32.75	1.28	34.38	46.75	46.40	74.00	27.60	Peak
2	5150.00	32.83	1.29	34.37	44.65	44.40	74.00	29.60	Peak
3	5179.47	32.85	1.29	34.36	90.72	90.50	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 29 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

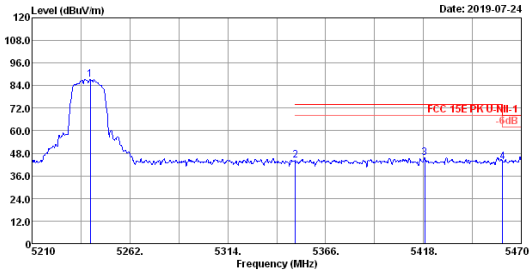


Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.86	32.92	1.30	34.35	88.47	88.34	------	------	Peak
2	5350.00	33.10	1.31	34.33	44.95	45.03	74.00	28.97	Peak
3	5425.54	33.17	1.32	34.32	46.41	46.58	74.00	27.42	Peak
4	5460.00	33.16	1.32	34.31	44.26	44.43	68.20	23.77	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 30 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

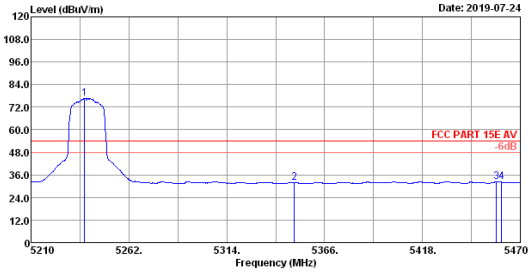


Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5240.94	32.92	1.30	34.35	87.56	87.43	------	------	Peak
2	5350.00	33.10	1.31	34.33	44.07	44.15	74.00	29.85	Peak
3	5418.78	33.17	1.32	34.32	45.47	45.64	74.00	28.36	Peak
4	5460.00	33.16	1.32	34.31	43.03	43.20	68.20	25.00	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 31 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

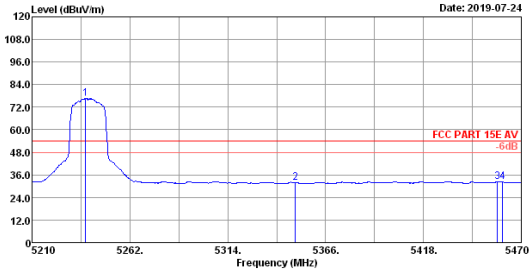


Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.34	32.92	1.30	34.35	76.82	76.69	54.00	-22.69	Average
2	5350.00	33.10	1.31	34.33	31.77	31.85	54.00	22.15	Average
3	5457.26	33.16	1.32	34.31	32.20	32.37	54.00	21.63	Average
4	5460.00	33.16	1.32	34.31	31.97	32.14	54.00	21.86	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 32 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

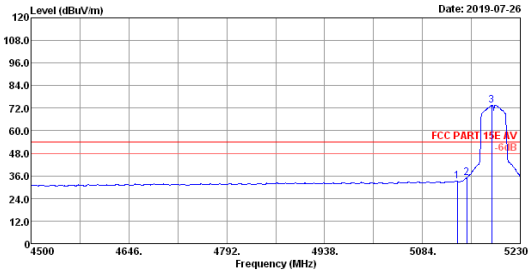


Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT20 5240MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5238.34	32.92	1.30	34.35	76.86	76.73	54.00	-22.73	Average
2	5350.00	33.10	1.31	34.33	31.82	31.90	54.00	22.10	Average
3	5457.26	33.16	1.32	34.31	32.24	32.41	54.00	21.59	Average
4	5460.00	33.16	1.32	34.31	32.00	32.17	54.00	21.83	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 33 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

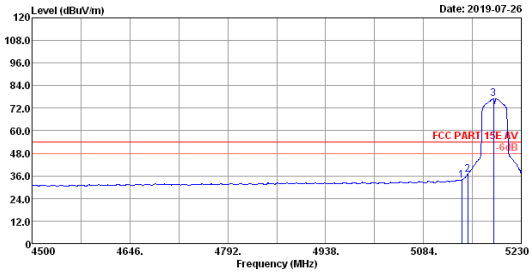


Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5135.83	32.83	1.28	34.37	33.35	33.09	54.00	20.91	Average
2	5150.00	32.83	1.29	34.37	35.09	34.84	54.00	19.16	Average
3	5187.66	32.85	1.29	34.36	73.93	73.71	54.00	-19.71	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 34 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

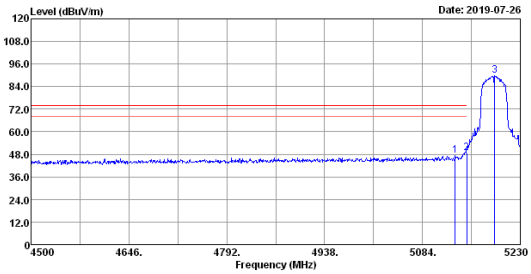


Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5140.94	32.83	1.29	34.37	34.05	33.80	54.00	20.20	Average
2	5150.00	32.83	1.29	34.37	36.78	36.53	54.00	17.47	Average
3	5188.39	32.85	1.29	34.36	77.32	77.10	54.00	-23.10	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 35 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

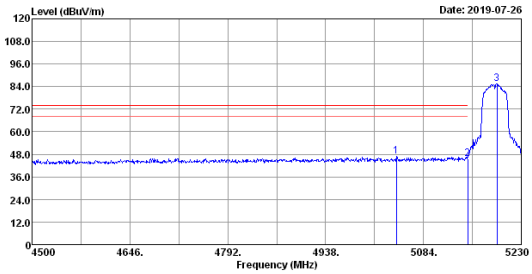


Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5132.91	32.83	1.28	34.37	47.66	47.40	74.00	26.60	Peak
2	5150.00	32.83	1.29	34.37	48.81	48.56	74.00	25.44	Peak
3	5192.04	32.86	1.29	34.36	90.14	89.93	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 36 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

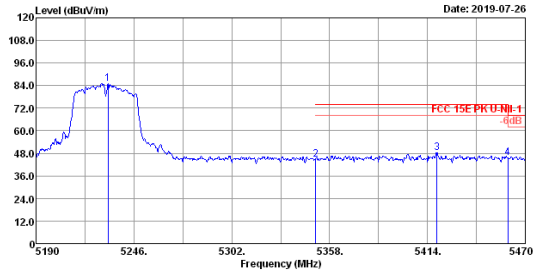


Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5190MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5043.85	32.65	1.28	34.39	47.18	46.72	74.00	27.28	Peak
2	5150.00	32.83	1.29	34.37	46.02	45.77	74.00	28.23	Peak
3	5193.50	32.86	1.29	34.36	85.72	85.51	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 37 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

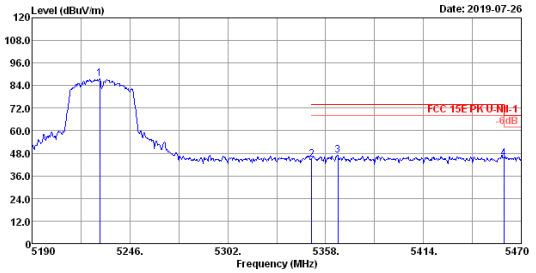


Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5231.16	32.92	1.30	34.35	85.36	85.23	------	------	Peak
2	5350.00	33.10	1.31	34.33	44.65	44.73	74.00	29.27	Peak
3	5419.32	33.17	1.32	34.32	48.18	48.35	74.00	25.65	Peak
4	5460.00	33.16	1.32	34.31	45.23	45.40	68.20	22.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 38 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

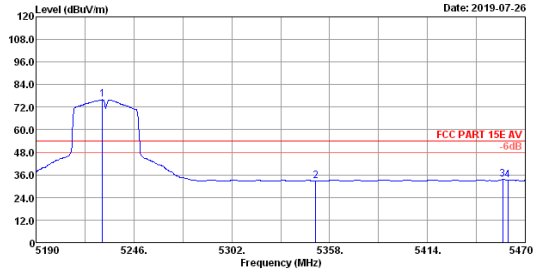


Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5228.64	32.92	1.30	34.35	87.63	87.50	------	------	Peak
2	5350.00	33.10	1.31	34.33	44.45	44.53	74.00	29.47	Peak
3	5365.00	33.13	1.31	34.33	46.88	46.99	74.00	27.01	Peak
4	5460.00	33.16	1.32	34.31	45.08	45.25	68.20	22.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 39 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

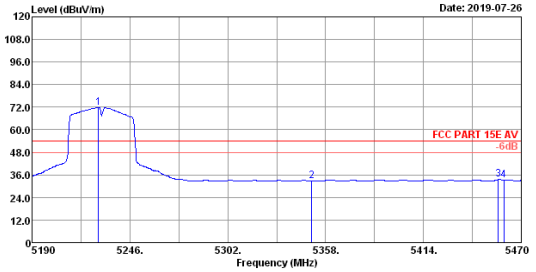


Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5228.08	32.92	1.30	34.35	76.11	75.98	54.00	-21.98	Average
2	5350.00	33.10	1.31	34.33	32.68	32.76	54.00	21.24	Average
3	5457.12	33.16	1.32	34.31	33.33	33.50	54.00	20.50	Average
4	5460.00	33.16	1.32	34.31	33.14	33.31	54.00	20.69	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 40 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

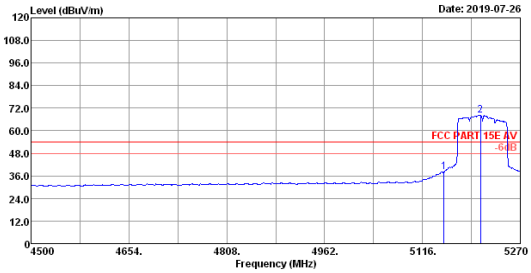


Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT40 5230MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5228.08	32.92	1.30	34.35	72.03	71.90	54.00	-17.90	Average
2	5350.00	33.10	1.31	34.33	32.65	32.73	54.00	21.27	Average
3	5456.84	33.16	1.32	34.31	33.31	33.48	54.00	20.52	Average
4	5460.00	33.16	1.32	34.31	33.13	33.30	54.00	20.70	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 41 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

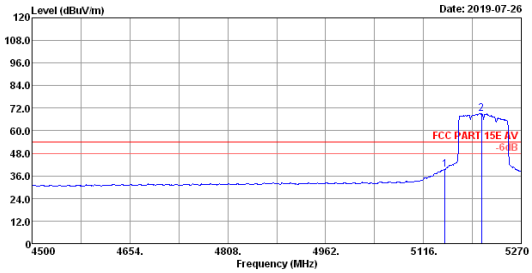


Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.83	1.29	34.37	38.31	38.06	54.00	15.94	Average
2	5207.63	32.89	1.29	34.36	68.52	68.34	54.00	-14.34	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 42 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

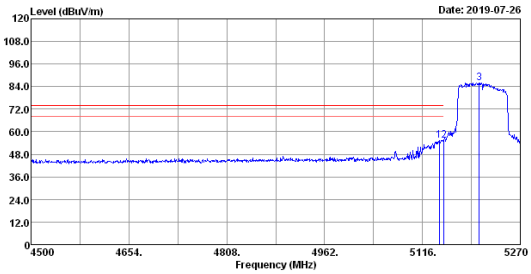


Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.83	1.29	34.37	39.69	39.44	54.00	14.56	Average
2	5207.63	32.89	1.29	34.36	69.40	69.22	54.00	-15.22	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 43 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

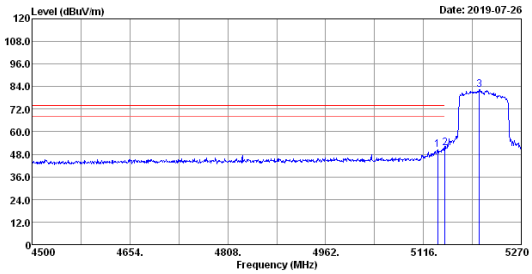


Site no. : 3m Chamber Data no. : 43
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5142.18	32.83	1.29	34.37	55.51	55.26	74.00	18.74	Peak
2	5150.00	32.83	1.29	34.37	55.69	55.44	74.00	18.56	Peak
3	5205.32	32.86	1.29	34.36	86.22	86.01	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 44 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

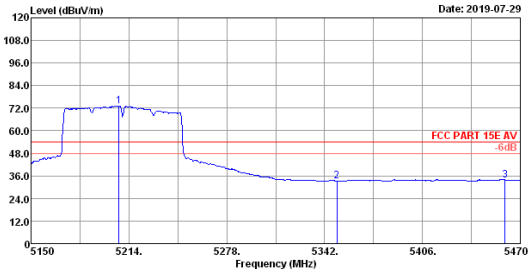


Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5138.33	32.83	1.28	34.37	50.94	50.68	74.00	23.32	Peak
2	5150.00	32.83	1.29	34.37	51.43	51.18	74.00	22.82	Peak
3	5203.78	32.86	1.29	34.36	82.58	82.37	------	------	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 45 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

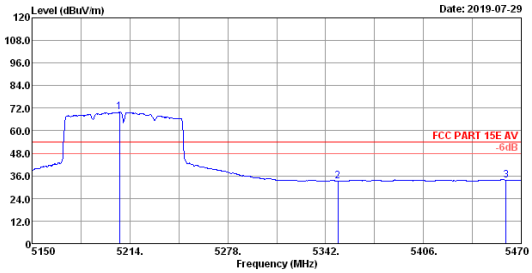


Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5207.60	32.89	1.29	34.36	73.36	73.18	54.00	-19.18	Average
2	5350.00	33.10	1.31	34.33	33.30	33.38	54.00	20.62	Average
3	5460.00	33.16	1.32	34.31	33.66	33.83	54.00	20.17	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 46 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

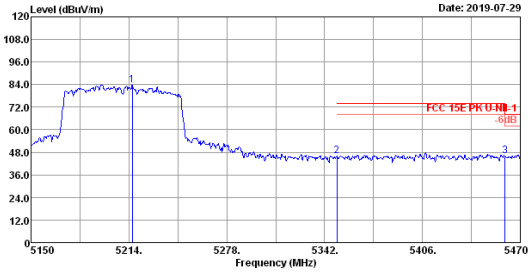


Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC PART 15E AV Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5207.28	32.86	1.29	34.36	70.13	69.92	54.00	-15.92	Average
2	5350.00	33.10	1.31	34.33	33.22	33.30	54.00	20.70	Average
3	5460.00	33.16	1.32	34.31	33.67	33.84	54.00	20.16	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 47 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)

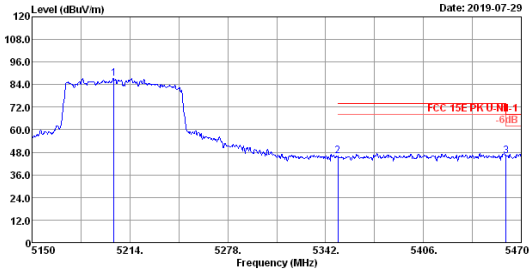


Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : HORIZONTAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5216.24	32.89	1.29	34.36	84.02	83.84	------	------	Peak
2	5350.00	33.10	1.31	34.33	45.82	45.90	74.00	28.10	Peak
3	5460.00	33.16	1.32	34.31	45.70	45.87	68.20	22.33	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Data: 48 File: F:\2019 Report\P\Planet\A1Z1906090-WIFI5G-band1.EM6 (104)



Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2018 3115-4877 Ant. pol. : VERTICAL
Limit : FCC 15E PK U-NII-1 Pre :
Env. / Ins. : 23.4°C/52.9% Engineer : Garry
EUT : COSMO
Power rating : AC120V/60Hz
Test Mode : 802.11acVHT80 5210MHz Tx Mode
M/N : COSMO COMMUNICATOR

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5203.44	32.86	1.29	34.36	87.48	87.27	------	------	Peak
2	5350.00	33.10	1.31	34.33	45.89	45.97	74.00	28.03	Peak
3	5460.00	33.16	1.32	34.31	45.99	46.16	68.20	22.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.