

Prüfbericht-Nr.: <i>Test report no.:</i>	CN22KG8L 003	Auftrags-Nr.: <i>Order no.:</i>	168368607	Seite 1 von 23 <i>Page 1 of 23</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2022-04-21	
Auftraggeber: <i>Client:</i>	SZ DJI TECHNOLOGY CO., LTD. 14th Floor, West Wing, Skyworth Semiconductor Design Building No.18 Gaoxin South 4th Ave Nanshan District, Shenzhen, P.R. China			
Prüfgegenstand: <i>Test item:</i>	DJI RC Motion 2			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	RM220			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart E Section 15.407 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2022-06-24	Please refer to photo documents		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003318870-002,005 A003318870-009			
Prüfzeitraum: <i>Testing period:</i>	2022-08-25 to 2022-09-02			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	Hardy Suo	genehmigt von: <i>authorized by:</i>	Winni e Hou	
Datum: <i>Date:</i>	2022-10-10	Ausstellungsdatum: <i>Issue date:</i>	2022-10-10	
Stellung / Position:	Sachverständige(r) / Expert	Stellung / Position:	Sachverständige(r) / Expert	
Sonstiges / Other:	FCC ID: SS3-RM22022 This report is for 5.8GHz SDR.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

v05

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM OUTPUT POWER

RESULT: Pass

5.1.3 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 FREQUENCY STABILITY

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 6dB BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of 5.8GHz SDR

Appendix B: Photographs of the Test Set-up

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Accreditation Designation No.: CN1260

ISED Wireless Device Testing Laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (TS8997)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
Signal Analyzer	R&S	FSV 40	101441	2023-08-01
OSP	R&S	OSP 150	101017	2022-12-02
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	R&S	WMS32 (V11.00.00)	N/A	N/A
Power Meter	R&S	NRP2	107105	2022-12-02
Wideband Power Sensor	R&S	NRP-Z81	105677	2023-08-01
Shielding Room 8#	Albatross	SR8	APC17151-SR8	2024-06-22
Unwanted Emission Testing (TS9975)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2023-08-02
Signal Analyzer	R&S	FSV 40	101439	2023-08-01
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2023-08-01
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2023-08-02
Amplifier	R&S	SCU-18F	180070	2023-08-02
Amplifier	R&S	SCU40A	100475	2023-08-02
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-08-06
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-08-06
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-08-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2023-08-06
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-06-22

Conducted Emission on AC Mains

Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	2023-02-27
Artificial Mains Network	R&S	ENV216	101445	2023-02-27
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
Radiated Emission of Transmitter, valid up to 26.5 GHz	±4.17 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	±4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT (**E**quipment **U**nder **T**est) is a DJI RC Motion 2. It supports 2.4GHz SDR and 5.8GHz SDR functions.

*remark: SDR means specific defined radio, and cannot changes radio specification via software/firmware by end-users.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification

General Information of EUT	Value
Kind of Equipment	DJI RC Motion 2
Type Designation	RM220
Trademark	DJI
FCC ID	SS3-RM22022
Operating Temperature Range	-10 °C ~ 40 °C
Operating Voltage	Internal battery operated (DC 3.6V@2600mAh) or Charged by USB port (DC 5V)
Testing Voltage	Fully charged battery
Radiofrequency operating mode	1) 2.4GHz SDR: operating within 2400-2483.5MHz, supports 1.4MHz/10MHz/20MHz Bandwidth 2) 5.8GHz SDR: operating within 5725-5850MHz, supports 1.4MHz/10MHz/20MHz Bandwidth
Technical Specification of 5.8GHz SDR	
Operating Frequency	5728.5-5846.5MHz for 1.4MHz Bandwidth 5730.12-5848.12MHz for 1.4MHz Bandwidth (CA mode) 5732.5-5844.5MHz for 10MHz Bandwidth (RX Only) 5735.5-5839.5MHz for 20MHz Bandwidth (RX Only)
Type of Modulation	OFDM (QPSK, 16QAM, 64QAM)
Channel Number	60 channels for 1.4MHz Bandwidth 60 channels for 1.4MHz Bandwidth (CA mode) 113 channels for 10MHz Bandwidth 105 channels for 20MHz Bandwidth
Channel Separation	2MHz for 1.4MHz Bandwidth 2MHz for 1.4MHz Bandwidth (CA mode) 1MHz for 10MHz Bandwidth 1MHz for 20MHz Bandwidth
Antenna Type	Dipole antenna
Antenna Number	2Tx2Rx for MIMO mode (ANT0+ANT1), Un-correlated signals, only supports MIMO
Antenna Gain	1.5 dBi for ANT0 & ANT1
The type of wideband data transmission equipment	DTS

Table 4: RF Channel and Frequency of 5.8GHz SDR

5.8GHz 1.4MHzBandwidth (5728.5MHz-5846.5MHz)					
RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
1	5728.5	21	5768.5	41	5808.5
2	5730.5	22	5770.5	42	5810.5
3	5732.5	23	5772.5	43	5812.5
4	5734.5	24	5774.5	44	5814.5
5	5736.5	25	5776.5	45	5816.5
6	5738.5	26	5778.5	46	5818.5
7	5740.5	27	5780.5	47	5820.5
8	5742.5	28	5782.5	48	5822.5
9	5744.5	29	5784.5	49	5824.5
10	5746.5	30	5786.5	50	5826.5
11	5748.5	31	5788.5	51	5828.5
12	5750.5	32	5790.5	52	5830.5
13	5752.5	33	5792.5	53	5832.5
14	5754.5	34	5794.5	54	5834.5
15	5756.5	35	5796.5	55	5836.5
16	5758.5	36	5798.5	56	5838.5
17	5760.5	37	5800.5	57	5840.5
18	5762.5	38	5802.5	58	5842.5
19	5764.5	39	5804.5	59	5844.5
20	5766.5	40	5806.5	60	5846.5

5.8GHz 1.4MHz Bandwidth (CA Mode) (5730.12MHz-5848.12MHz)					
RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
1	5730.12	21	5770.12	41	5810.12
2	5732.12	22	5772.12	42	5812.12
3	5734.12	23	5774.12	43	5814.12
4	5736.12	24	5776.12	44	5816.12
5	5738.12	25	5778.12	45	5818.12
6	5740.12	26	5780.12	46	5820.12
7	5742.12	27	5782.12	47	5822.12
8	5744.12	28	5784.12	48	5824.12
9	5746.12	29	5786.12	49	5826.12
10	5748.12	30	5788.12	50	5828.12
11	5750.12	31	5790.12	51	5830.12
12	5752.12	32	5792.12	52	5832.12
13	5754.12	33	5794.12	53	5834.12
14	5756.12	34	5796.12	54	5836.12
15	5758.12	35	5798.12	55	5838.12

16	5760.12	36	5800.12	56	5840.12
17	5762.12	37	5802.12	57	5842.12
18	5764.12	38	5804.12	58	5844.12
19	5766.12	39	5806.12	59	5846.12
20	5768.12	40	5808.12	60	5848.12

5.8GHz 10MHzBandwidth (5732.5MHz-5844.5MHz)					
RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
1	5732.5	39	5770.5	77	5808.5
2	5733.5	40	5771.5	78	5809.5
3	5734.5	41	5772.5	79	5810.5
4	5735.5	42	5773.5	80	5811.5
5	5736.5	43	5774.5	81	5812.5
6	5737.5	44	5775.5	82	5813.5
7	5738.5	45	5776.5	83	5814.5
8	5739.5	46	5777.5	84	5815.5
9	5740.5	47	5778.5	85	5816.5
10	5741.5	48	5779.5	86	5817.5
11	5742.5	49	5780.5	87	5818.5
12	5743.5	50	5781.5	88	5819.5
13	5744.5	51	5782.5	89	5820.5
14	5745.5	52	5783.5	90	5821.5
15	5746.5	53	5784.5	91	5822.5
16	5747.5	54	5785.5	92	5823.5
17	5748.5	55	5786.5	93	5824.5
18	5749.5	56	5787.5	94	5825.5
19	5750.5	57	5788.5	95	5826.5
20	5751.5	58	5789.5	96	5827.5
21	5752.5	59	5790.5	97	5828.5
22	5753.5	60	5791.5	98	5829.5
23	5754.5	61	5792.5	99	5830.5
24	5755.5	62	5793.5	100	5831.5
25	5756.5	63	5794.5	101	5832.5
26	5757.5	64	5795.5	102	5833.5
27	5758.5	65	5796.5	103	5834.5
28	5759.5	66	5797.5	104	5835.5
29	5760.5	67	5798.5	105	5836.5
30	5761.5	68	5799.5	106	5837.5
31	5762.5	69	5800.5	107	5838.5
32	5763.5	70	5801.5	108	5839.5
33	5764.5	71	5802.5	109	5840.5
34	5765.5	72	5803.5	110	5841.5
35	5766.5	73	5804.5	111	5842.5

36	5767.5	74	5805.5	112	5843.5
37	5768.5	75	5806.5	113	5844.5
38	5769.5	76	5807.5		

5.8GHz 20MHz Bandwidth (5735.5MHz-5839.5MHz)					
RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
1	5735.5	36	5770.5	71	5805.5
2	5736.5	37	5771.5	72	5806.5
3	5737.5	38	5772.5	73	5807.5
4	5738.5	39	5773.5	74	5808.5
5	5739.5	40	5774.5	75	5809.5
6	5740.5	41	5775.5	76	5810.5
7	5741.5	42	5776.5	77	5811.5
8	5742.5	43	5777.5	78	5812.5
9	5743.5	44	5778.5	79	5813.5
10	5744.5	45	5779.5	80	5814.5
11	5745.5	46	5780.5	81	5815.5
12	5746.5	47	5781.5	82	5816.5
13	5747.5	48	5782.5	83	5817.5
14	5748.5	49	5783.5	84	5818.5
15	5749.5	50	5784.5	85	5819.5
16	5750.5	51	5785.5	86	5820.5
17	5751.5	52	5786.5	87	5821.5
18	5752.5	53	5787.5	88	5822.5
19	5753.5	54	5788.5	89	5823.5
20	5754.5	55	5789.5	90	5824.5
21	5755.5	56	5790.5	91	5825.5
22	5756.5	57	5791.5	92	5826.5
23	5757.5	58	5792.5	93	5827.5
24	5758.5	59	5793.5	94	5828.5
25	5759.5	60	5794.5	95	5829.5
26	5760.5	61	5795.5	96	5830.5
27	5761.5	62	5796.5	97	5831.5
28	5762.5	63	5797.5	98	5832.5
29	5763.5	64	5798.5	99	5833.5
30	5764.5	65	5799.5	100	5834.5
31	5765.5	66	5800.5	101	5835.5
32	5766.5	67	5801.5	102	5836.5
33	5767.5	68	5802.5	103	5837.5
34	5768.5	69	5803.5	104	5838.5
35	5769.5	70	5804.5	105	5839.5

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, 5.8GHz SDR wireless transmitting mode (1.4MHz, 1.4MHz CA)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Charging by AC/DC Adapter + Normal Operation by 5.8G SDR
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- User Manual
- Block Diagram
- Operation Description
- ID Label and Location Info

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all tests were performed on model RM220 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T480	PF-16A6N8	N/A
Huawei Adapter	Huawei	HW-100225C00	HC78EAM4W03196	Output: DC 5V, 2A

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

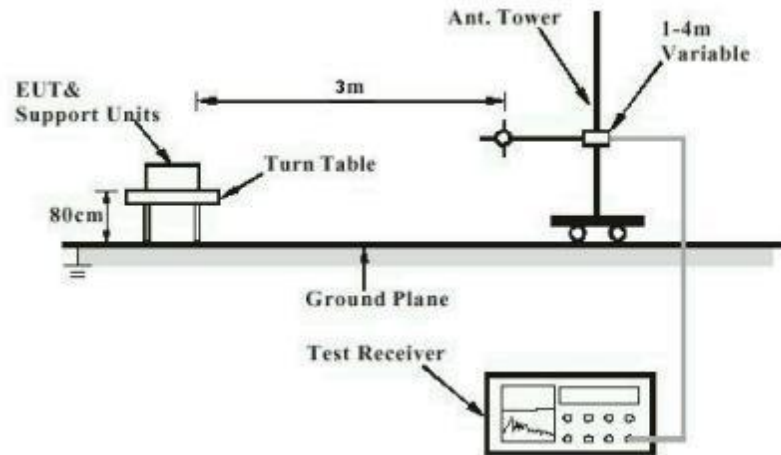


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

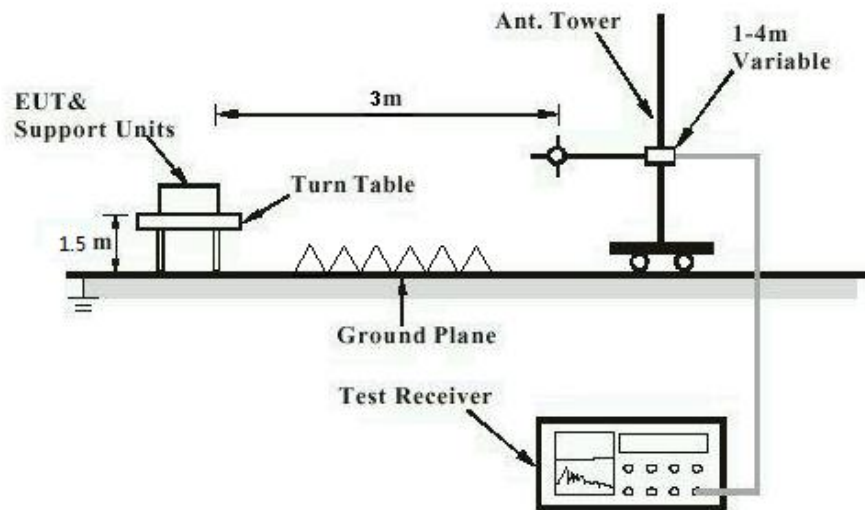


Diagram of Measurement Configuration for Mains Conduction Measurement

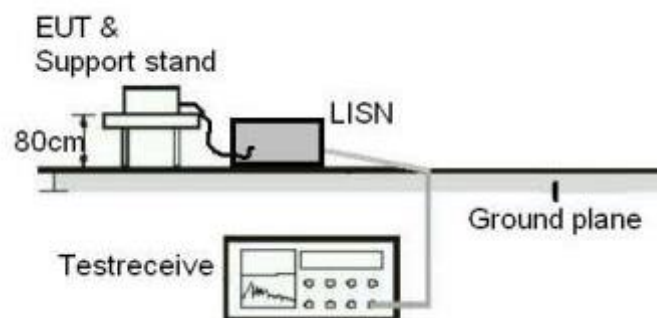
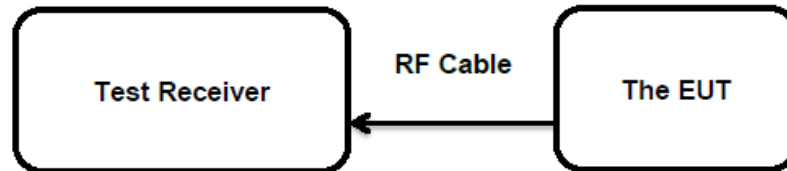


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Radio Test Requirement & Test Suites (5GHz Bands)

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.203

According to the manufacturer declared, the EUT has integral antenna, the max. Uncorrelated antenna gain antenna is 1.5dBi for 5.8GHz SDR, permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum output power
RESULT:
Pass
Test Specification

Test standard : FCC Part 15.407 (a)
 Basic standard : ANSI C63.10:2013
 Limits : <1W (30dBm) (5725-5850MHz)
 Kind of test site : Shielded Room

Test Setup

Date of testing : 2022-08-25
 Input voltage : DC 5V by USB port
 Operation mode : A
 Test channel : Low / Middle / High
 Ambient temperature : 25.7 °C
 Relative humidity : 55 %
 Atmospheric pressure : 101 kPa

Table 6: Test Result of Maximum Conducted Output Power, 5.8GHz SDR

Test Mode	Test Channel (MHz)	Measured Power (MIMO mode)		Limit (W)
		(dBm)	(W)	
1.4MHz BW	5728.5	26.21	0.4178	< 1.0
	5786.5	26.57	0.4539	
	5846.5	26.69	0.4667	
1.4MHz BW CA	5730.12	26.72	0.4699	
	5788.12	26.48	0.4446	
	5848.12	26.50	0.4467	
Max. e.i.r.p.=26.72dBm+1.5dBi=28.22dBm, which is less than 36dBm=4W.				

Note:

- 1) The cable loss is taken into account in results.
- 2) Max. Antenna gain(G) of 5.8GHz SDR: 1.5dBi (uncorrelated antenna gain)
 e.i.r.p.=P_(Peak power)+ G, which is far below the 4 W

5.1.3 Power Spectral Density**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.407 (a)
Basic standard	: ANSI C63.10:2013
Limits	: <30dBm/500KHz (5725-5850MHz)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2022-08-25
Input voltage	: DC 5V by USB port
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25.7 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

Refer to attached Appendix A for details of test data.

5.1.4 Frequency Stability**RESULT:****Pass****Test Specification**

Test standard : FCC Part 15.407 (g)
Basic standard : ANSI C63.10:2013
Limits : Within assigned bands
Kind of test site : Shielded Room

Test Setup

Date of testing : 2022-08-25
Input voltage : DC 5V by USB port
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25.7 °C
Relative humidity : 55 %
Atmospheric pressure : 101 kPa

Refer to attached Appendix A for details of test data.

5.1.5 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.407
Basic standard : ANSI C63.10:2013
Limits : N/A
Kind of test site : Shielded Room

Test Setup

Date of testing : 2022-08-25
Input voltage : DC 5V by USB port
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25.7 °C
Relative humidity : 55 %
Atmospheric pressure : 101 kPa

Refer to attached Appendix A for details of test data.

5.1.6 6dB Bandwidth**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.407 (e)
Basic standard	: ANSI C63.10:2013
Limits	: At least 500KHz (5725-5850MHz)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2022-08-25
Input voltage	: DC 5V by USB port
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25.7 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

Refer to attached Appendix A for details of test data.

5.1.7 Radiated Spurious Emission**RESULT:****Pass****Test Specification**

Test standard : FCC Part 15.407(b) & FCC Part 15.205 & FCC Part 15.209
Basic standard : ANSI C63.10:2013

Limits

- 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.
 - Restricted Bands meet the requirement of 15.209 limit
- : 3m Semi-Anechoic Chamber

Kind of test site

Test Setup

Date of testing : 2022-09-02
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : Refer to test result
Relative humidity : Refer to test result
Atmospheric pressure : 101 kPa

Refer to attached Appendix A for details of test data.

5.1.8 Conducted Emission on AC Mains**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.207
Basic standard	: ANSI C63.10:2013
Frequency range	: 0.15 - 30MHz
Limits	: FCC Part 15.207
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2022-08-23
Input voltage	: AC 120V, 60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: 23.7 °C
Relative humidity	: 2.4 %
Atmospheric pressure	: 101 kPa

Refer to attached Appendix A for details of test data.

6. Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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Appendix A.1: Test Results of Conducted Power Spectral Density

5.8G SDR, 1.4MHz BW

Power Spectral Density (5728.5 MHz; 30.000 dBm; 1.4MHz)

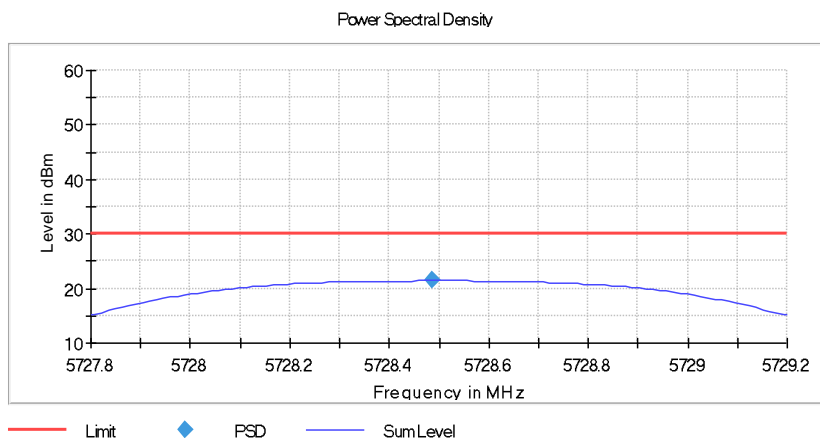
Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5728.500000	5728.486139	21.417	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72780 GHz	5.72780 GHz
Stop Frequency	5.72920 GHz	5.72920 GHz
Span	1.400 MHz	1.400 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 6
SweepTime	505.000 ms	505.000 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	119	119
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 15	max. 15
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Power Spectral Density (5786.5 MHz; 30.000 dBm; 1.4MHz)

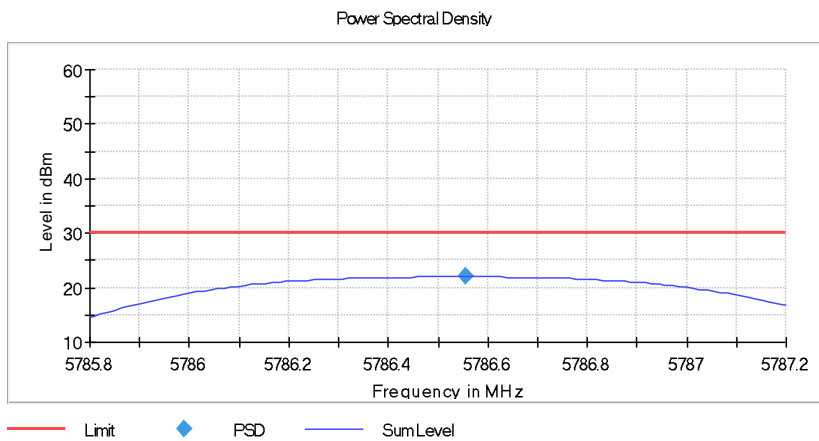
Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5786.500000	5786.555446	21.992	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.78580 GHz	5.78580 GHz
Stop Frequency	5.78720 GHz	5.78720 GHz
Span	1.400 MHz	1.400 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 6
SweepTime	505.000 ms	505.000 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	119	119
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 15	max. 15
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Power Spectral Density (5846.5 MHz; 30.000 dBm; 1.4MHz)

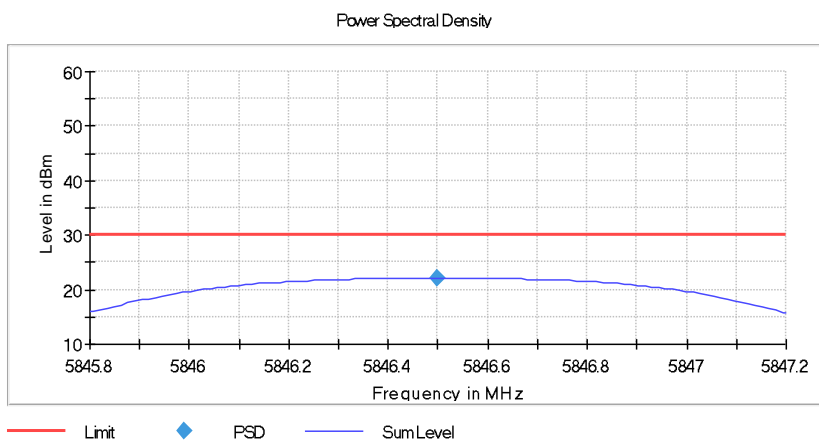
Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5846.500000	5846.500000	22.114	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.84580 GHz	5.84580 GHz
Stop Frequency	5.84720 GHz	5.84720 GHz
Span	1.400 MHz	1.400 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 6
SweepTime	505.000 ms	505.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	119	119
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 15	max. 15
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

5.8G SDR, 1.4MHz BW CA mode

Power Spectral Density (5730.12 MHz; 30.000 dBm; 1.4MHz)

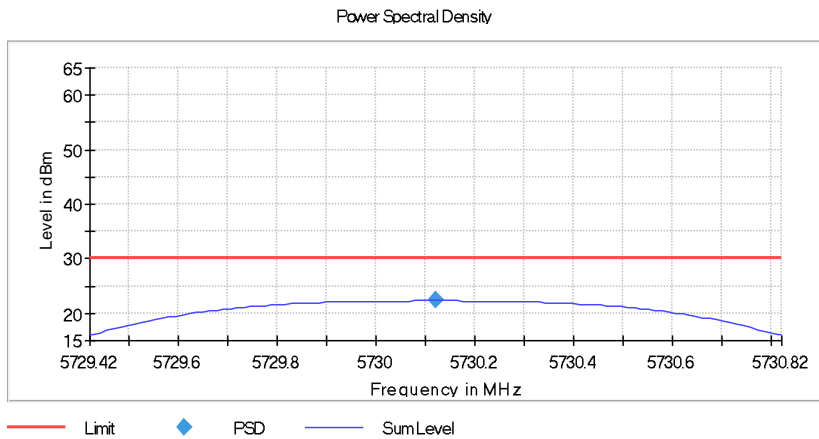
Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5730.120000	5730.120000	22.290	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72942 GHz	5.72942 GHz
Stop Frequency	5.73082 GHz	5.73082 GHz
Span	1.400 MHz	1.400 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 6
SweepTime	505.000 ms	505.000 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	119	119
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 15	max. 15
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Power Spectral Density (5788.12 MHz; 30.000 dBm; 1.4MHz)

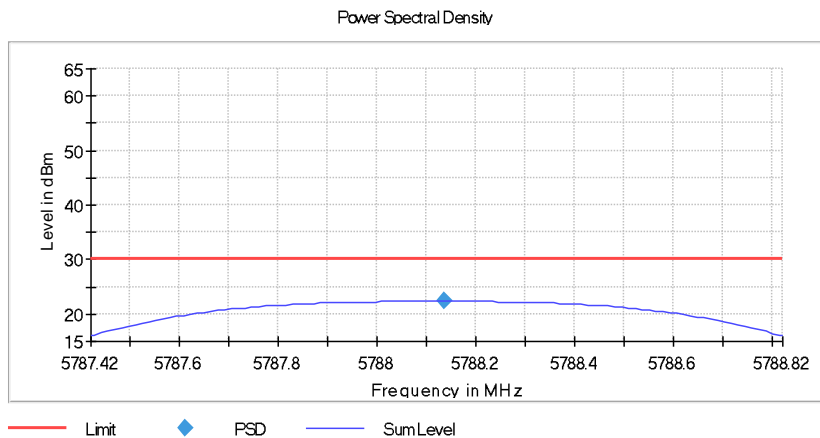
Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5788.120000	5788.133861	22.347	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.78742 GHz	5.78742 GHz
Stop Frequency	5.78882 GHz	5.78882 GHz
Span	1.400 MHz	1.400 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 6
Sweeptime	505.000 ms	505.000 ms
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	RMS	RMS
SweepCount	119	119
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 15	max. 15
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Power Spectral Density (5848.12 MHz; 30.000 dBm; 1.4MHz)

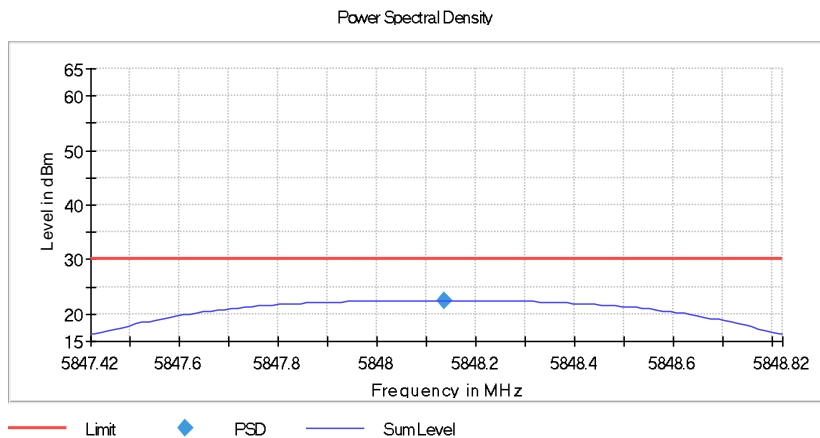
Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5848.120000	5848.133861	22.473	30.0	PASS

Ports

Port	State
1	used
2	used



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.84742 GHz	5.84742 GHz
Stop Frequency	5.84882 GHz	5.84882 GHz
Span	1.400 MHz	1.400 MHz
RBW	500.000 kHz	<= 500.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	101	~ 6
Sweeptime	505.000 ms	505.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	RMS	RMS
SweepCount	119	119
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 15	max. 15
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Appendix A.2: Test Results of Frequency Stability

5.8G SDR, 1.4MHz BW

Frequency Error (5728.5 MHz; 30.000 dBm; 1.4MHz)

Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

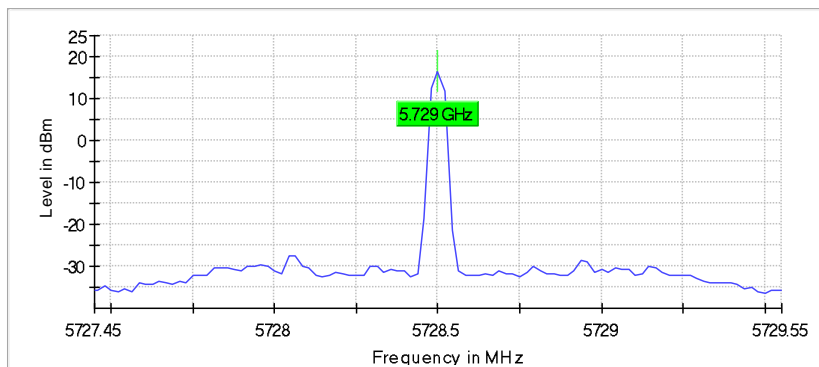
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)
5728.500000	5728.499650	0.061	-0.350000	---	---

(continuation of the "Result" table from column 6 ...)

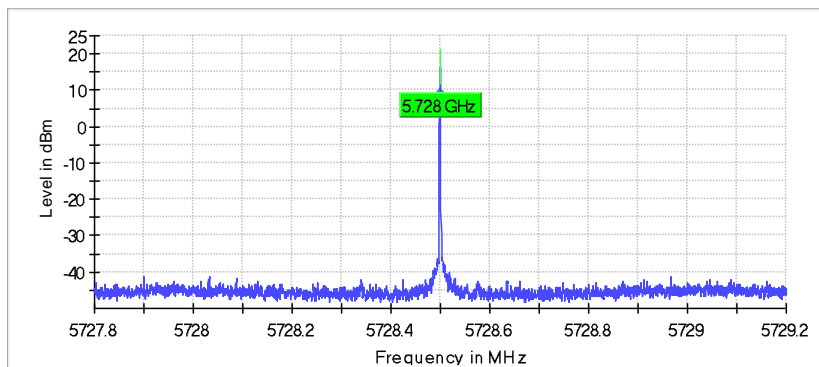
DUT Frequency (MHz)	Result
5728.500000	PASS

Frequency stability Pre



Center frequency Max Hold

Frequency stability



Edge points Max Hold Center frequency

Frequency Error (5786.5 MHz; 30.000 dBm; 1.4MHz)

Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

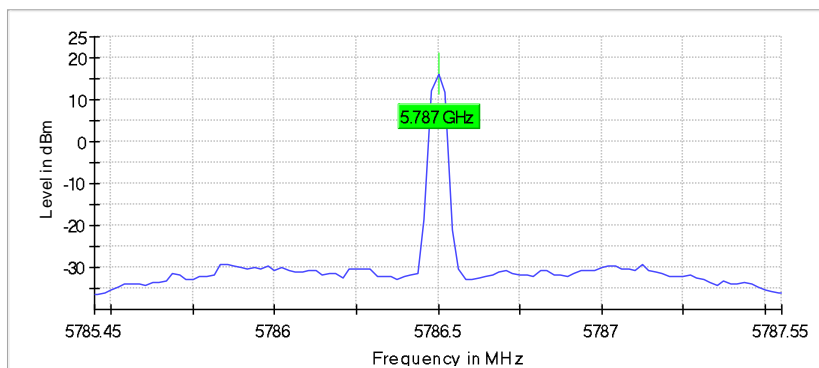
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)
5786.500000	5786.499510	0.085	-0.490000	---	---

(continuation of the "Result" table from column 6 ...)

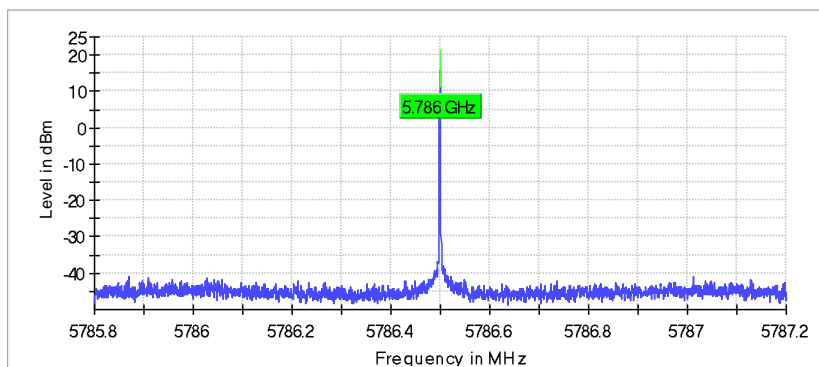
DUT Frequency (MHz)	Result
5786.500000	PASS

Frequency stability Pre



Center frequency Max Hold

Frequency stability



Edge points Max Hold Center frequency

Frequency Error (5846.5 MHz; 30.000 dBm; 1.4MHz)

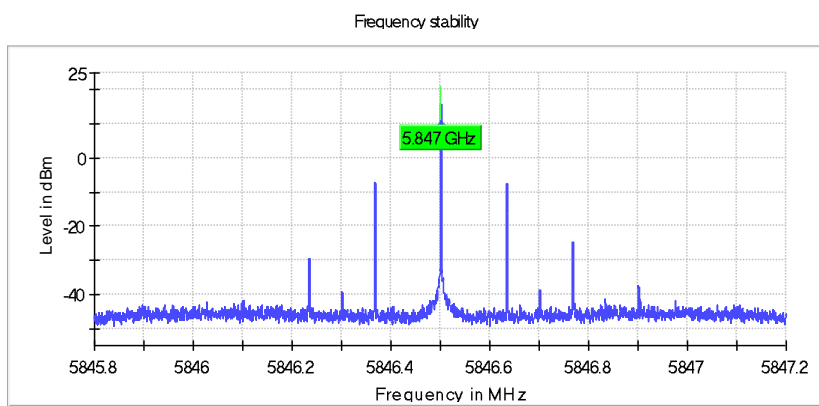
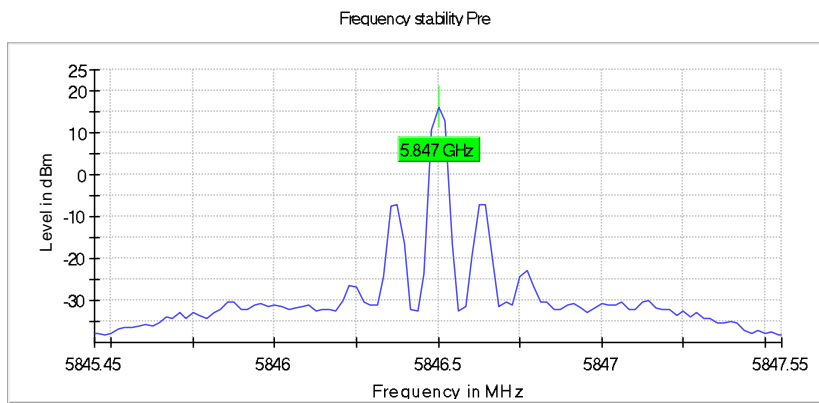
Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)
5846.500000	5846.501400	0.239	1.400000	---	---

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
5846.500000	PASS



5.8G SDR, 1.4MHz BW CA mode

Frequency Error (5730.12 MHz; 30.000 dBm; 1.4MHz)

Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

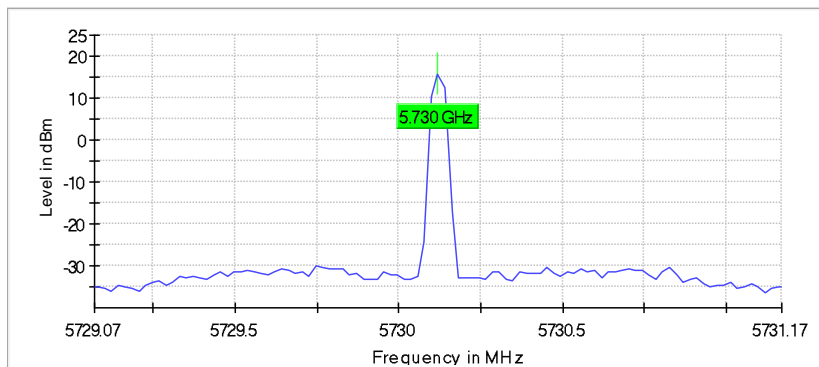
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)
5730.120000	5730.121470	0.257	1.470000	---	---

(continuation of the "Result" table from column 6 ...)

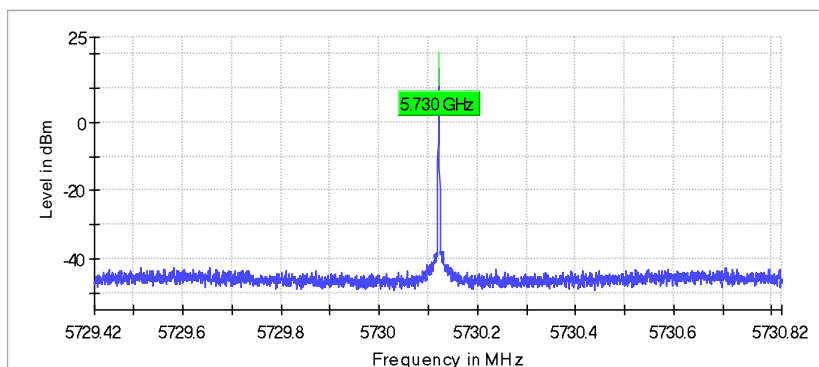
DUT Frequency (MHz)	Result
5730.120000	PASS

Frequency stability Pre



Center frequency Max Hold

Frequency stability



Edge points Max Hold Center frequency

Frequency Error (5788.12 MHz; 30.000 dBm; 1.4MHz)

Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

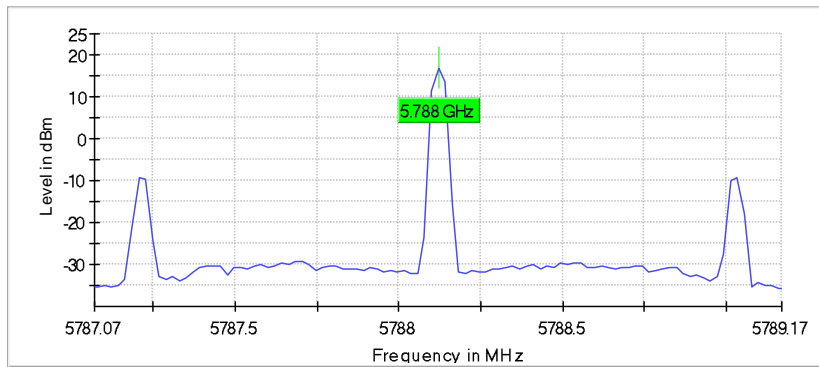
Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)
5788.120000	5788.121540	0.266	1.540000	---	---

(continuation of the "Result" table from column 6 ...)

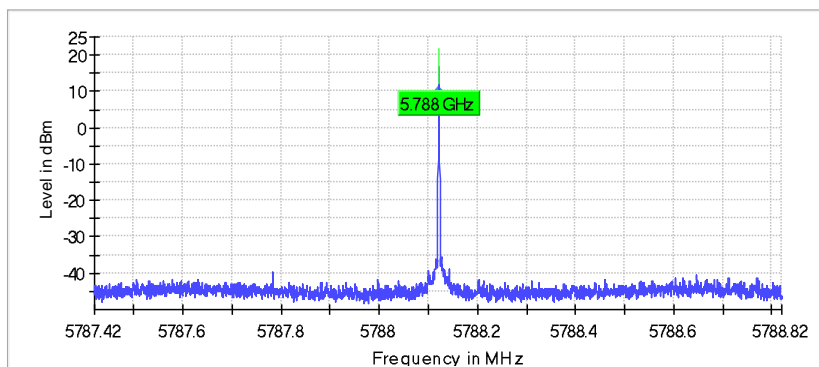
DUT Frequency (MHz)	Result
5788.120000	PASS

Frequency stability Pre



Center frequency Max Hold

Frequency stability



Edge points Max Hold Center frequency

Frequency Error (5848.12 MHz; 30.000 dBm; 1.4MHz)

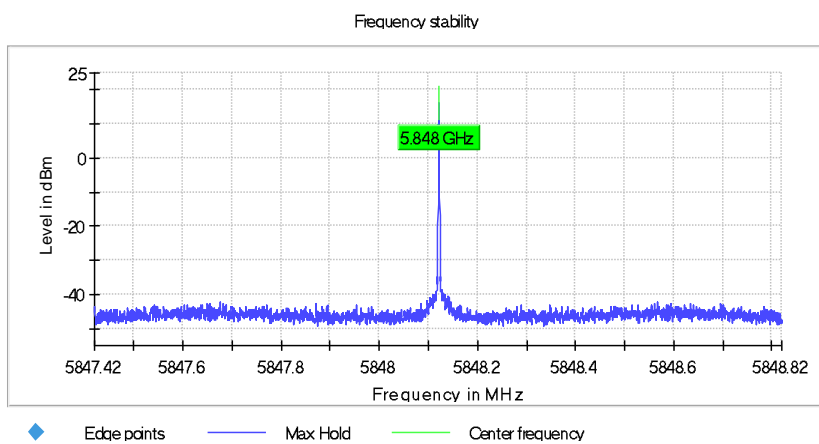
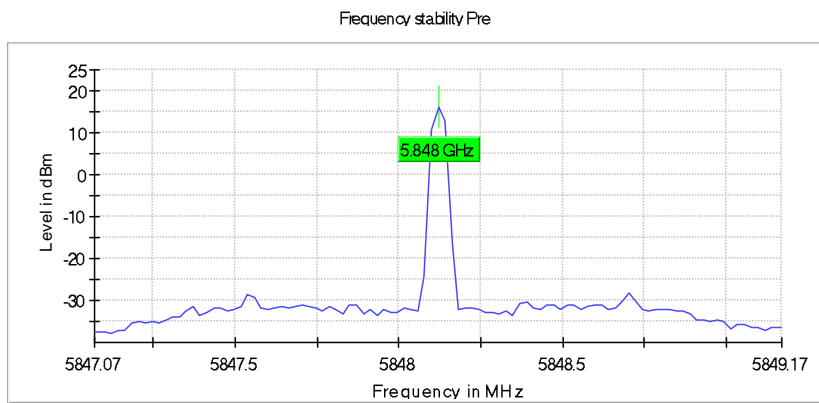
Test according to FCC title 47 part 15 §15.407(g), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 A.3 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency (MHz)	Difference (ppm)	Frequency Difference (kHz)	Limit Min (MHz)	Limit Max (MHz)
5848.120000	5848.121470	0.251	1.470000	---	---

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
5848.120000	PASS



Appendix A.3: Test Results of 6dB Bandwidth

5.8G SDR, 1.4MHz BW

Minimum Emission Bandwidth 6 dB (5728.5 MHz; 30.000 dBm; 1.4MHz)

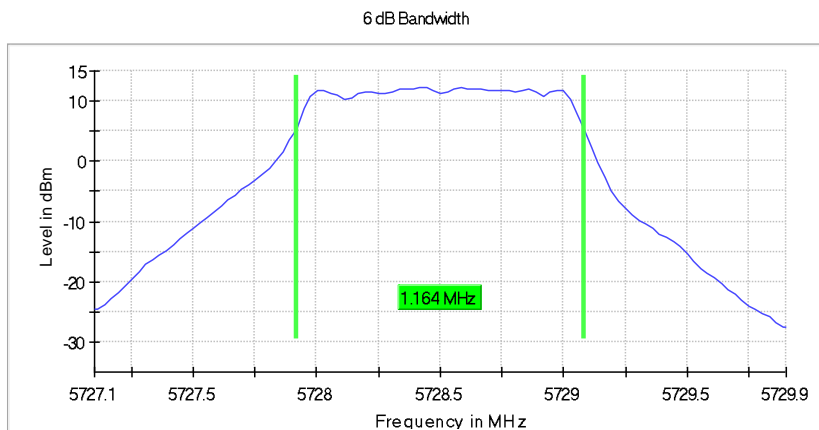
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5728.500000	1.164356	0.500000	---	5727.917822	5729.082178

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5728.500000	12.4	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72710 GHz	5.72710 GHz
Stop Frequency	5.72990 GHz	5.72990 GHz
Span	2.800 MHz	2.800 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 56
Sweeptime	19.022 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.30 dB

Minimum Emission Bandwidth 6 dB (5786.5 MHz; 30.000 dBm; 1.4MHz)

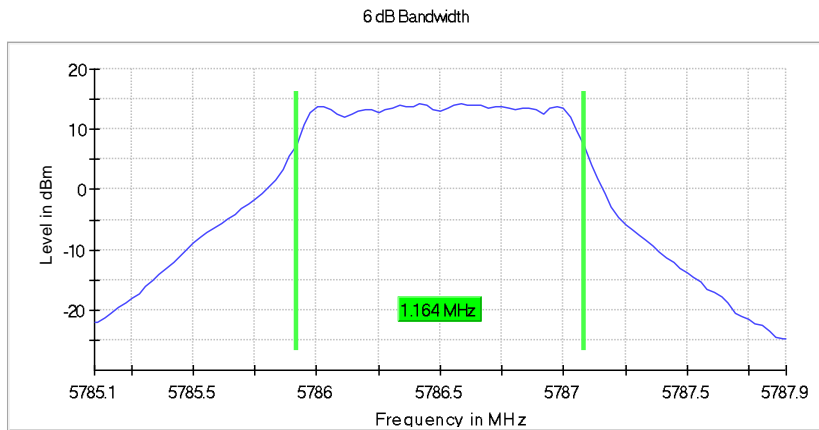
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5786.500000	1.164356	0.500000	---	5785.917822	5787.082178

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5786.500000	14.2	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.78510 GHz	5.78510 GHz
Stop Frequency	5.78790 GHz	5.78790 GHz
Span	2.800 MHz	2.800 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 56
Sweeptime	19.022 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.05 dB	0.30 dB

Minimum Emission Bandwidth 6 dB (5846.5 MHz; 30.000 dBm; 1.4MHz)

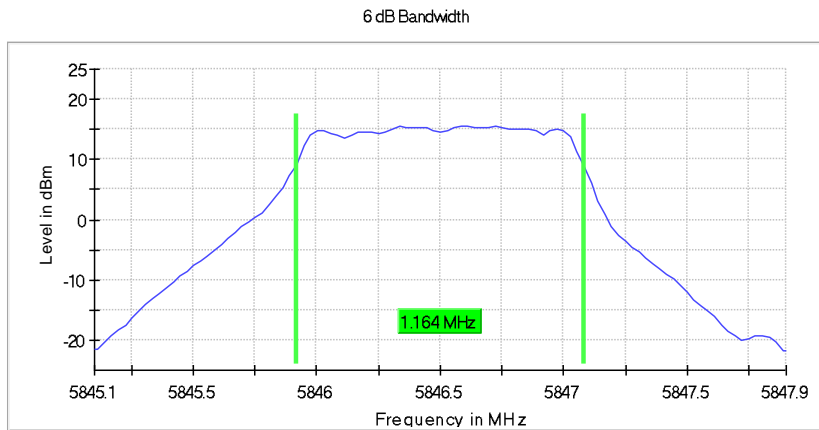
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5846.50000	1.164356	0.500000	---	5845.917822	5847.082178

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5846.50000	15.5	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.84510 GHz	5.84510 GHz
Stop Frequency	5.84790 GHz	5.84790 GHz
Span	2.800 MHz	2.800 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 56
Sweeptime	19.022 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.30 dB

5.8G SDR, 1.4MHz BW CA mode

Minimum Emission Bandwidth 6 dB (5730.12 MHz; 30.000 dBm; 1.4MHz)

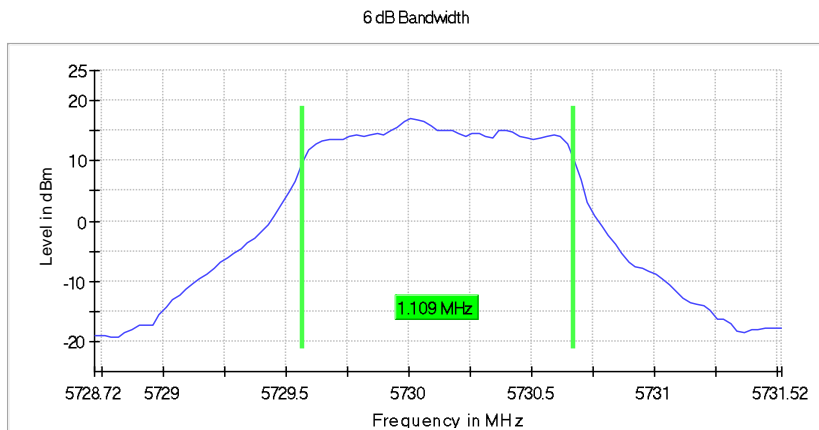
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5730.120000	1.108910	0.500000	---	5729.565545	5730.674455

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5730.120000	16.9	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72872 GHz	5.72872 GHz
Stop Frequency	5.73152 GHz	5.73152 GHz
Span	2.800 MHz	2.800 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 56
Sweeptime	19.022 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.04 dB	0.30 dB

Minimum Emission Bandwidth 6 dB (5788.12 MHz; 30.000 dBm; 1.4MHz)

Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

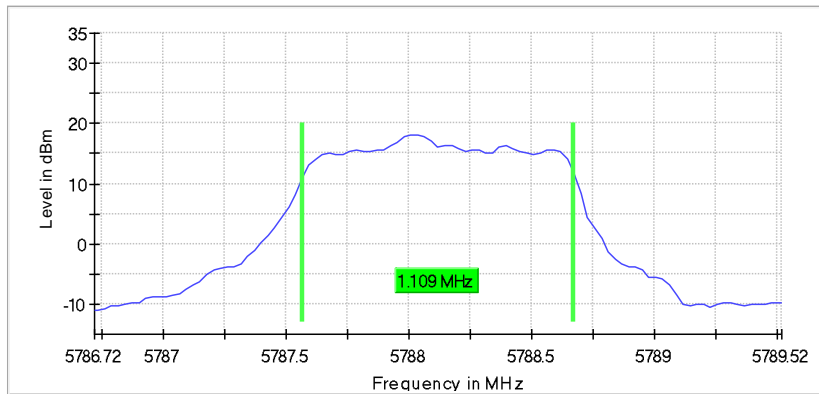
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5788.120000	1.108910	0.500000	---	5787.565545	5788.674455

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5788.120000	18.1	PASS

6 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.78672 GHz	5.78672 GHz
Stop Frequency	5.78952 GHz	5.78952 GHz
Span	2.800 MHz	2.800 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 56
Sweeptime	19.022 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.03 dB	0.30 dB

Minimum Emission Bandwidth 6 dB (5848.12 MHz; 30.000 dBm; 1.4MHz)

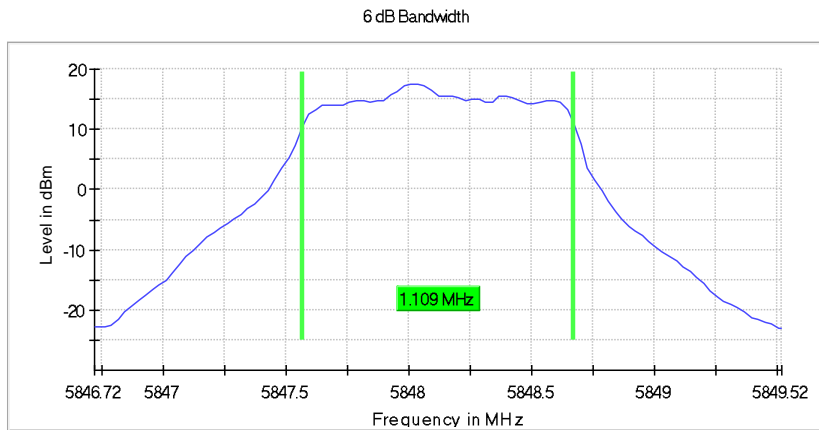
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5848.120000	1.108910	0.500000	---	5847.565545	5848.674455

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5848.120000	17.5	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.84672 GHz	5.84672 GHz
Stop Frequency	5.84952 GHz	5.84952 GHz
Span	2.800 MHz	2.800 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 56
Sweeptime	19.022 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	13 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.07 dB	0.30 dB

Appendix A.4: Test Results of 99% Bandwidth

5.8G SDR, 1.4MHz BW

Occupied Channel Bandwidth 99% (5728.5 MHz; 30.000 dBm; 1.4MHz)

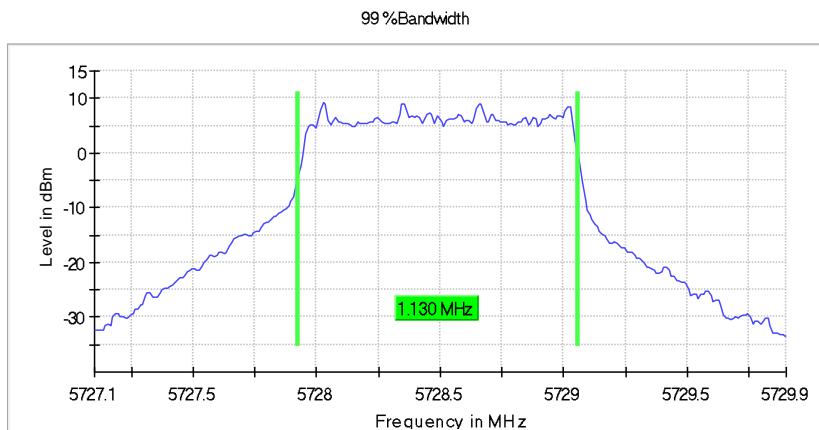
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5728.500000	1.130000	---	---	5727.925000	5729.055000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5728.500000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72710 GHz	5.72710 GHz
Stop Frequency	5.72990 GHz	5.72990 GHz
Span	2.800 MHz	2.800 MHz
RBW	20.000 kHz	>= 14.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	280	~ 280
Sweeptime	94.727 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.02 dB	0.30 dB

Occupied Channel Bandwidth 99% (5786.5 MHz; 30.000 dBm; 1.4MHz)

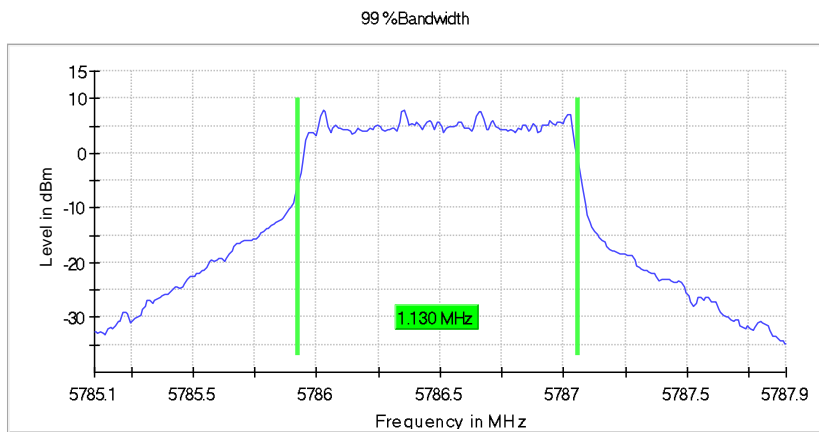
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5786.500000	1.130000	---	---	5785.925000	5787.055000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5786.500000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.78510 GHz	5.78510 GHz
Stop Frequency	5.78790 GHz	5.78790 GHz
Span	2.800 MHz	2.800 MHz
RBW	20.000 kHz	>= 14.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	280	~ 280
Sweeptime	94.727 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.06 dB	0.30 dB

Occupied Channel Bandwidth 99% (5846.5 MHz; 30.000 dBm; 1.4MHz)

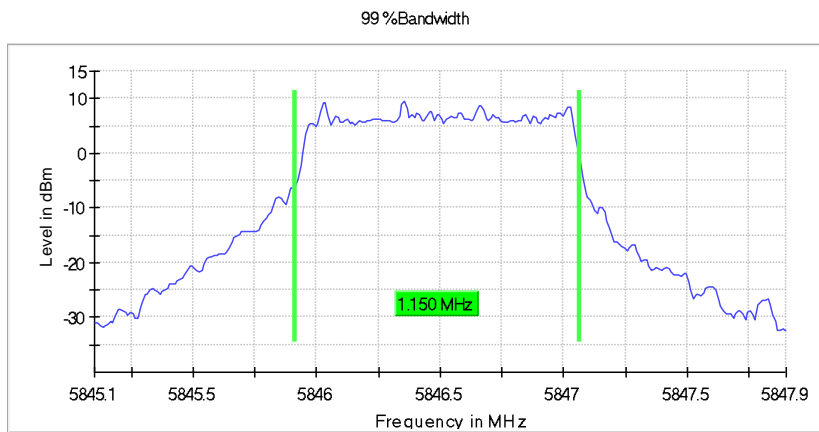
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5846.50000	1.15000	---	---	5845.91500	5847.06500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5846.50000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.84510 GHz	5.84510 GHz
Stop Frequency	5.84790 GHz	5.84790 GHz
Span	2.800 MHz	2.800 MHz
RBW	20.000 kHz	>= 14.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	280	~ 280
Sweeptime	94.727 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.30 dB

5.8G SDR, 1.4MHz BW CA mode

Occupied Channel Bandwidth 99% (5730.12 MHz; 30.000 dBm; 1.4MHz)

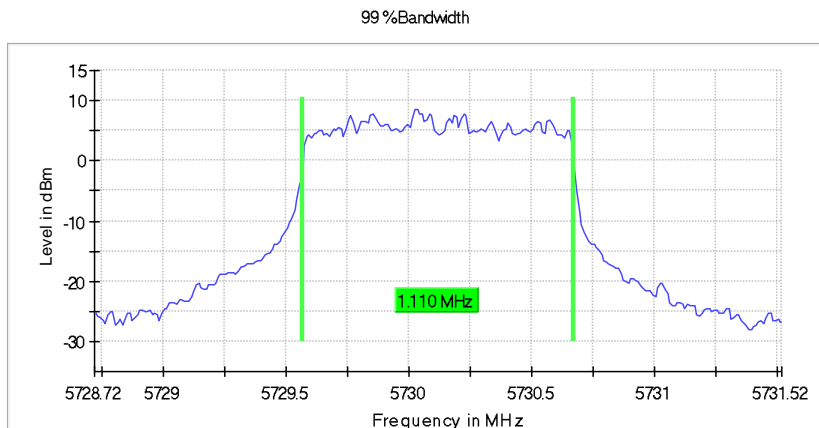
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5730.120000	1.110000	---	---	5729.565000	5730.675000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5730.120000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.72872 GHz	5.72872 GHz
Stop Frequency	5.73152 GHz	5.73152 GHz
Span	2.800 MHz	2.800 MHz
RBW	20.000 kHz	>= 14.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	280	~ 280
Sweeptime	94.727 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.07 dB	0.30 dB

Occupied Channel Bandwidth 99% (5788.12 MHz; 30.000 dBm; 1.4MHz)

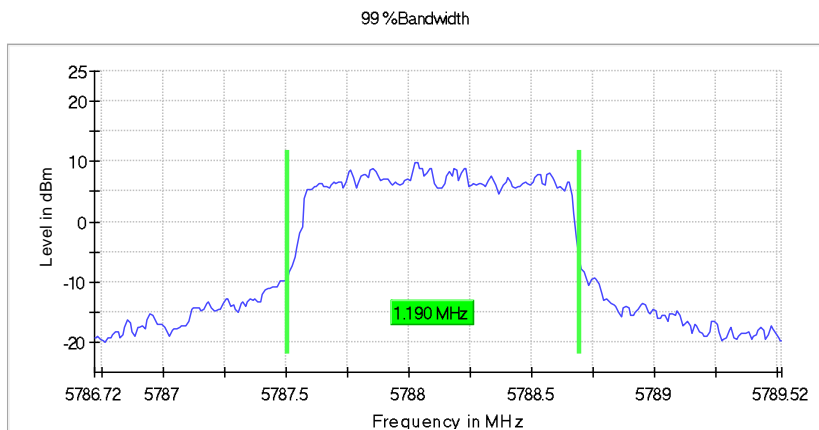
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5788.120000	1.190000	---	---	5787.505000	5788.695000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5788.120000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.78672 GHz	5.78672 GHz
Stop Frequency	5.78952 GHz	5.78952 GHz
Span	2.800 MHz	2.800 MHz
RBW	20.000 kHz	>= 14.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	280	~ 280
Sweeptime	94.727 µs	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.04 dB	0.30 dB

Occupied Channel Bandwidth 99% (5848.12 MHz; 30.000 dBm; 1.4MHz)

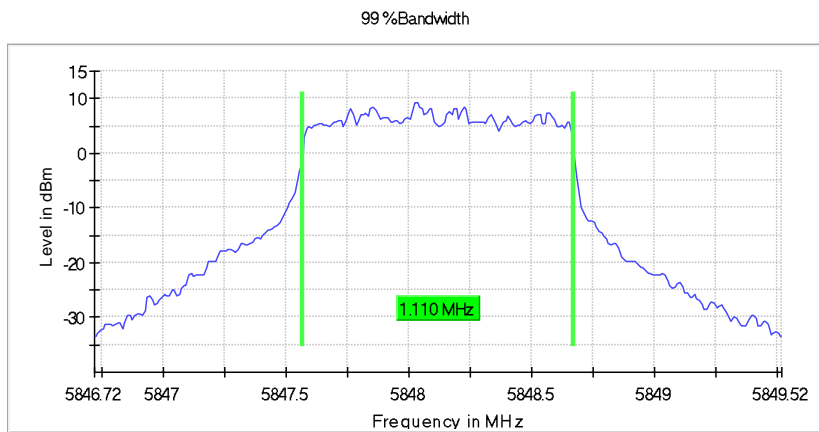
Test according to FCC title 47 part 15 §15.407(a),(e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5848.120000	1.110000	---	---	5847.565000	5848.675000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5848.120000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	5.84672 GHz	5.84672 GHz
Stop Frequency	5.84952 GHz	5.84952 GHz
Span	2.800 MHz	2.800 MHz
RBW	20.000 kHz	>= 14.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	280	~ 280
Sweeptime	94.727 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.05 dB	0.30 dB

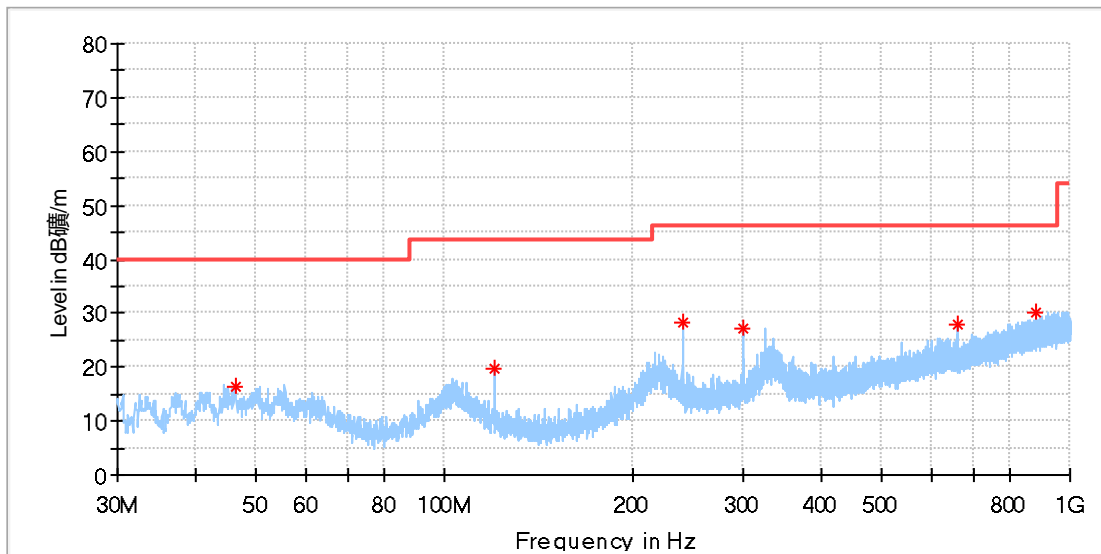
Appendix A.5: Test Results of Radiated Spurious Emissions

Note: 1, Testing is carried out with frequency rang 9kHz to the tenth harmonics.
 2, The margin is greater than 20 dB are not shown in this Appendix.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

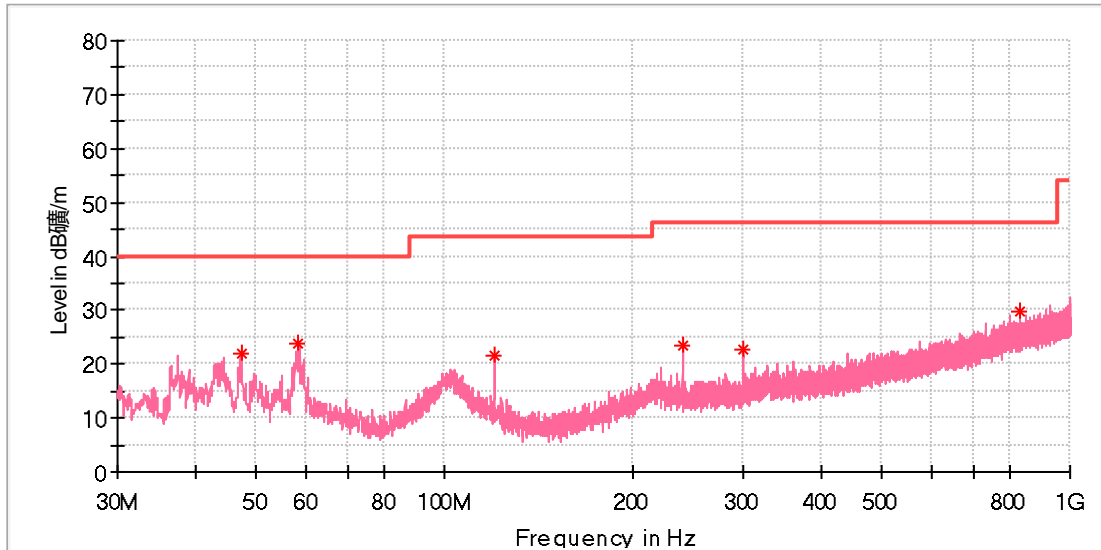
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.247500	16.48	40.00	23.52	100.0	H	47.0	-18.6
119.919000	19.70	43.50	23.80	100.0	H	248.0	-20.8
239.956500	28.21	46.00	17.79	100.0	H	240.0	-17.7
299.854000	27.15	46.00	18.85	100.0	H	227.0	-16.3
659.821000	27.90	46.00	18.10	100.0	H	248.0	-8.9
881.854000	30.29	46.00	15.71	100.0	H	169.0	-5.1

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.314500	22.07	40.00	17.93	100.0	V	290.0	-18.5
58.421000	23.67	40.00	16.33	100.0	V	282.0	-18.8
119.919000	21.59	43.50	21.91	100.0	V	229.0	-20.8
239.859500	23.42	46.00	22.58	100.0	V	178.0	-17.7
299.854000	22.75	46.00	23.25	100.0	V	214.0	-16.3
828.940500	29.81	46.00	16.19	100.0	V	88.0	-5.8

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

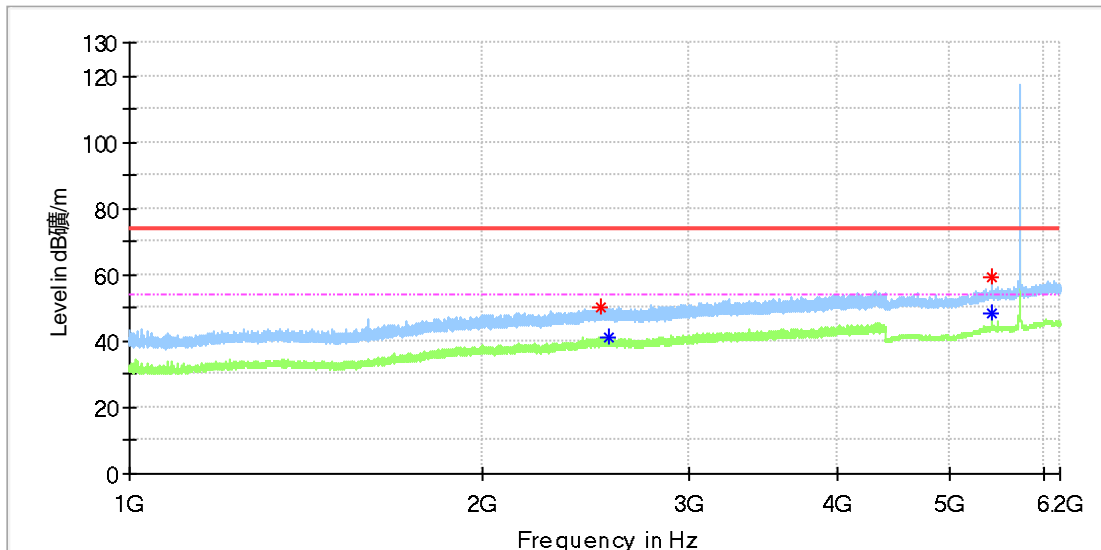
1GHz - 18GHz

Note: The highest waveform in the figure is 5.8G SDR Fundamental.

5.8G SDR, 1.4MHz BW

EUT Information

EUT Name:	DJI RC Motion 2
Model:	RM220
Test Mode:	SDR 5.8G_1.4M_5728.5MHz
Order No/Sample No:	168368607/A003318870-005
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

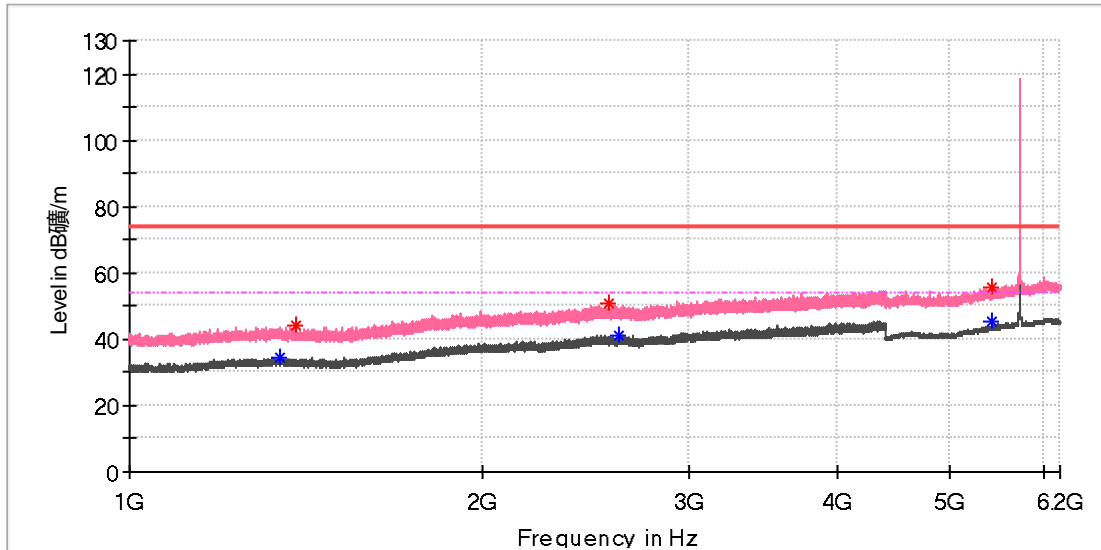
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2515.210000	50.20	---	74.00	23.80	100.0	H	40.0	7.4
2558.730000	---	41.05	54.00	12.95	100.0	H	86.0	7.6
5421.500000	59.22	---	74.00	14.78	100.0	H	358.0	13.5
5421.500000	---	48.19	54.00	5.81	100.0	H	358.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5728.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

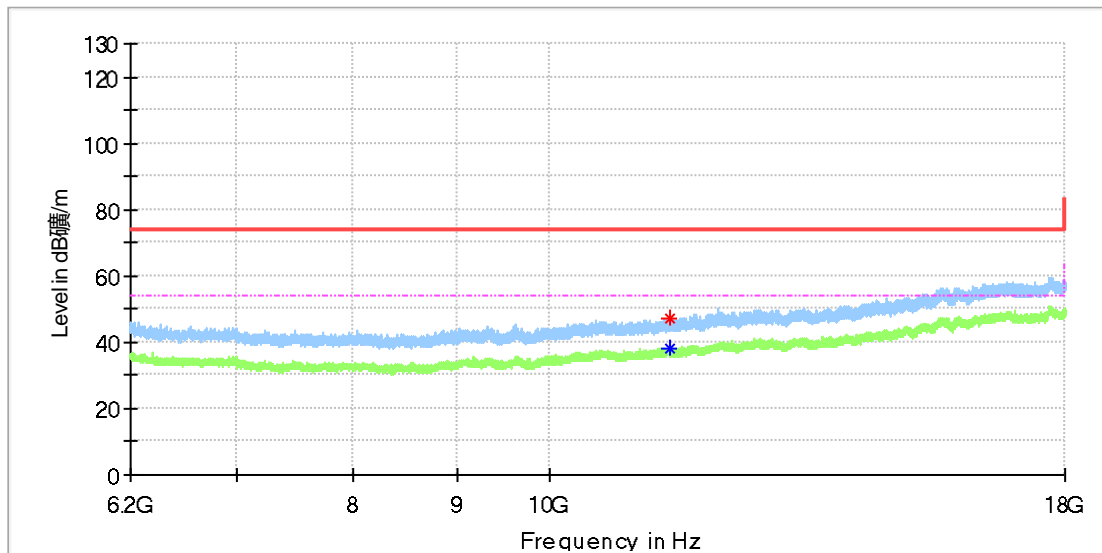
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1342.720000	---	34.52	54.00	19.48	100.0	V	189.0	2.1
1384.370000	44.04	---	74.00	29.96	100.0	V	76.0	1.8
2561.790000	50.87	---	74.00	23.13	100.0	V	319.0	7.6
2614.660000	---	41.27	54.00	12.73	100.0	V	76.0	7.4
5421.000000	55.37	---	74.00	18.63	100.0	V	32.0	13.5
5421.500000	---	45.50	54.00	8.50	100.0	V	81.0	13.5

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5728.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

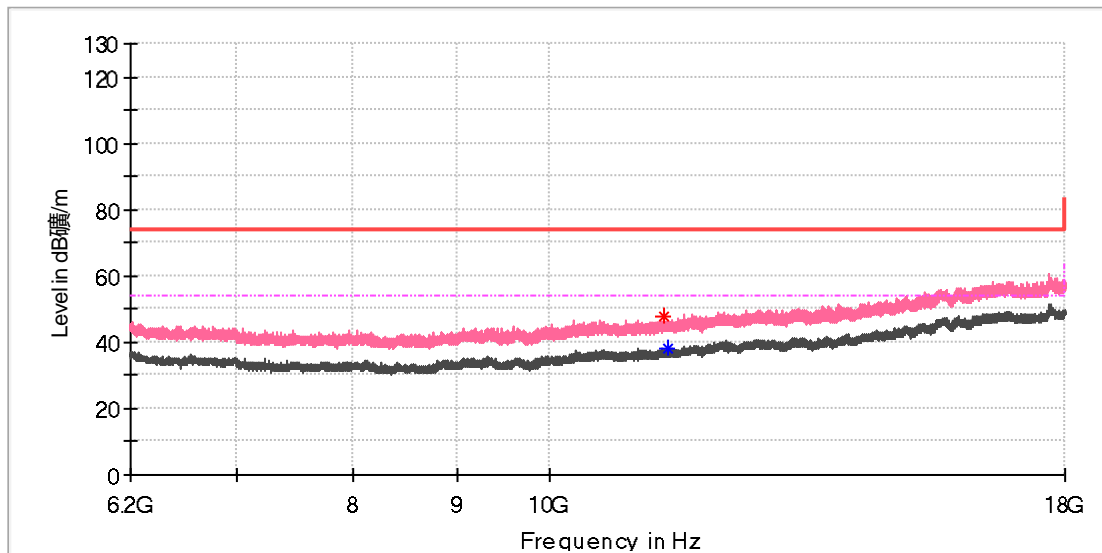
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11463.291667	47.28	---	74.00	26.72	100.0	H	349.0	13.5
11469.191667	---	37.99	54.00	16.01	100.0	H	89.0	13.6

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5728.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

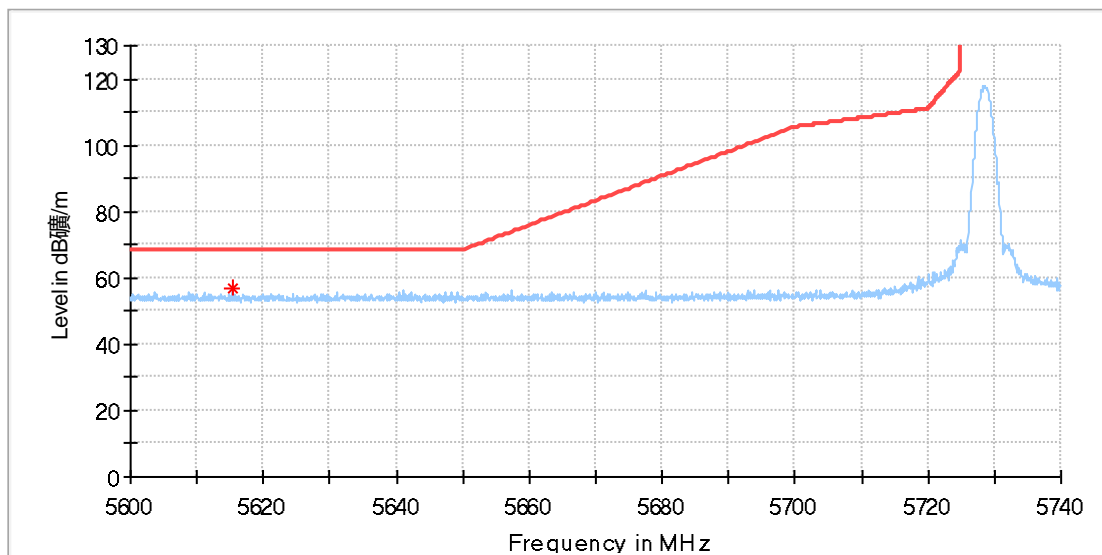
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11401.341667	47.67	---	74.00	26.33	100.0	V	219.0	12.8
11437.233333	---	38.00	54.00	16.00	100.0	V	0.0	13.2

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	DJI RC Motion 2
Model:	RM220
Test Mode:	SDR 5.8G_1.4M_5728.5MHz
Order No/Sample No:	168368607/A003318870-005
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

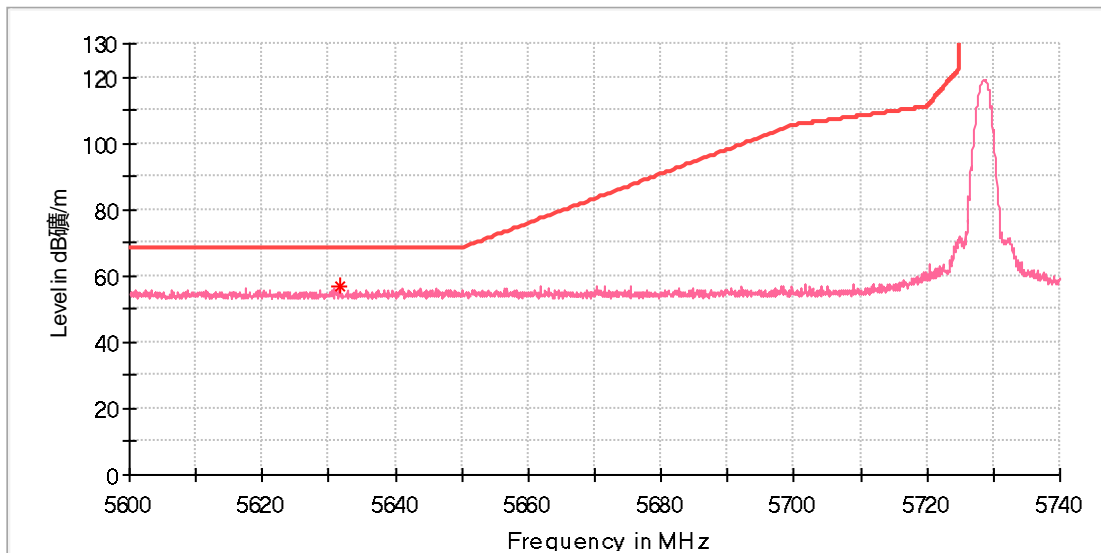
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5615.277778	56.58	68.20	11.62	100.0	H	198.0	13.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5728.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

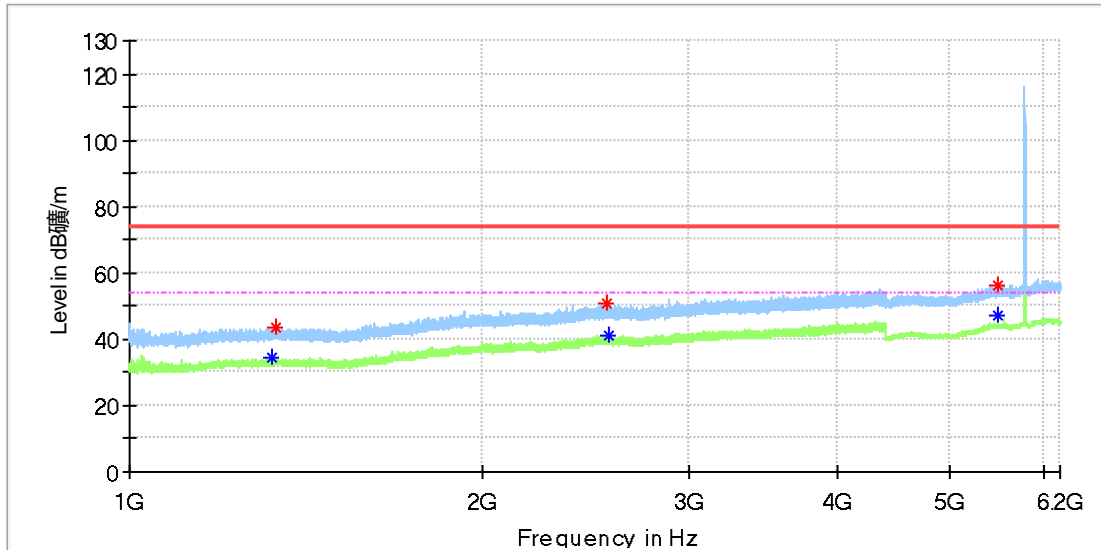
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5631.533333	56.76	68.20	11.44	100.0	V	0.0	13.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

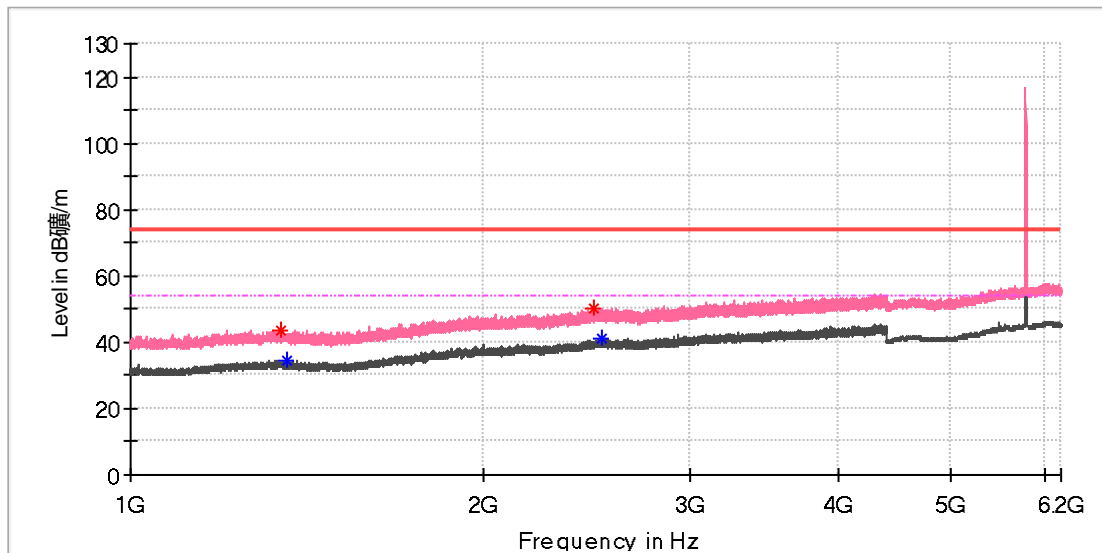
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1320.450000	---	34.21	54.00	19.79	100.0	H	254.0	2.0
1334.220000	43.45	---	74.00	30.55	100.0	H	0.0	2.1
2553.460000	50.94	---	74.00	23.06	100.0	H	20.0	7.6
2560.260000	---	41.13	54.00	12.87	100.0	H	301.0	7.6
5459.000000	56.45	---	74.00	17.55	100.0	H	17.0	13.6
5459.500000	---	47.24	54.00	6.76	100.0	H	17.0	13.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

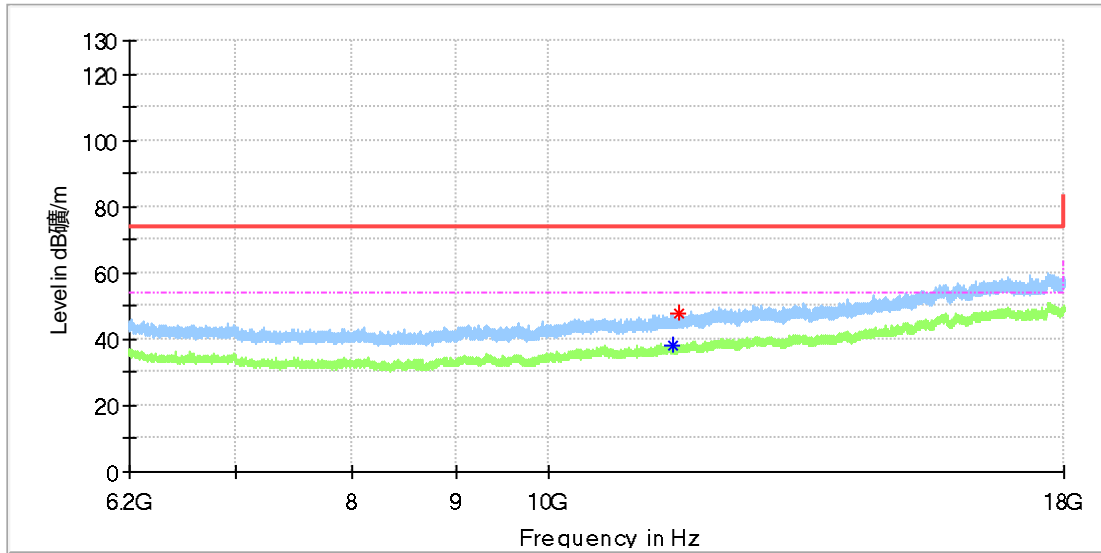
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1341.020000	43.49	---	74.00	30.51	100.0	V	137.0	2.1
1357.850000	---	34.72	54.00	19.28	100.0	V	183.0	2.1
2483.590000	50.35	---	74.00	23.65	100.0	V	353.0	7.4
2518.270000	---	40.92	54.00	13.08	100.0	V	194.0	7.5

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

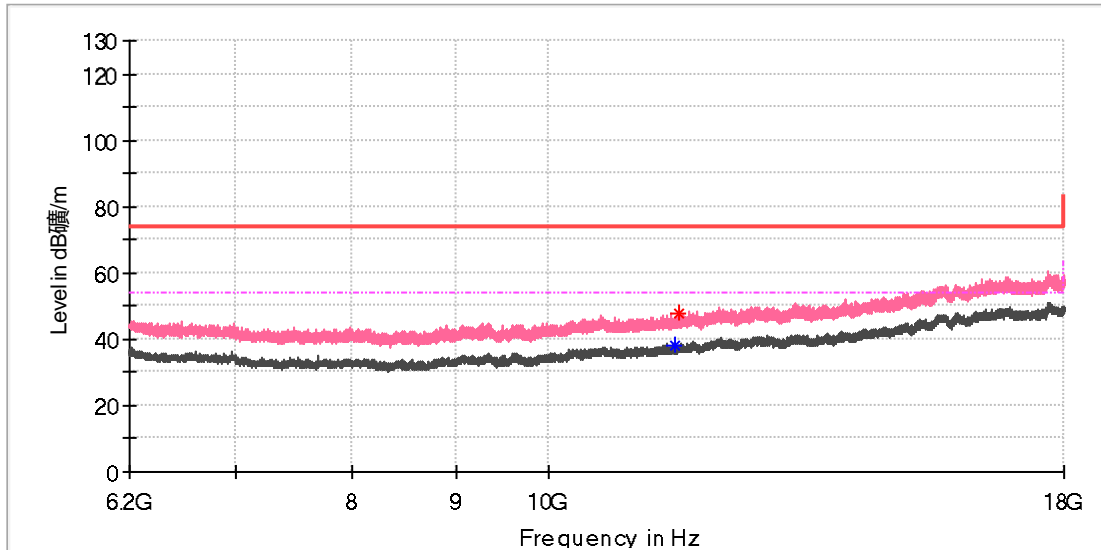
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11535.075000	---	38.06	54.00	15.94	100.0	H	89.0	13.5
11594.566667	47.55	---	74.00	26.45	100.0	H	100.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5786.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

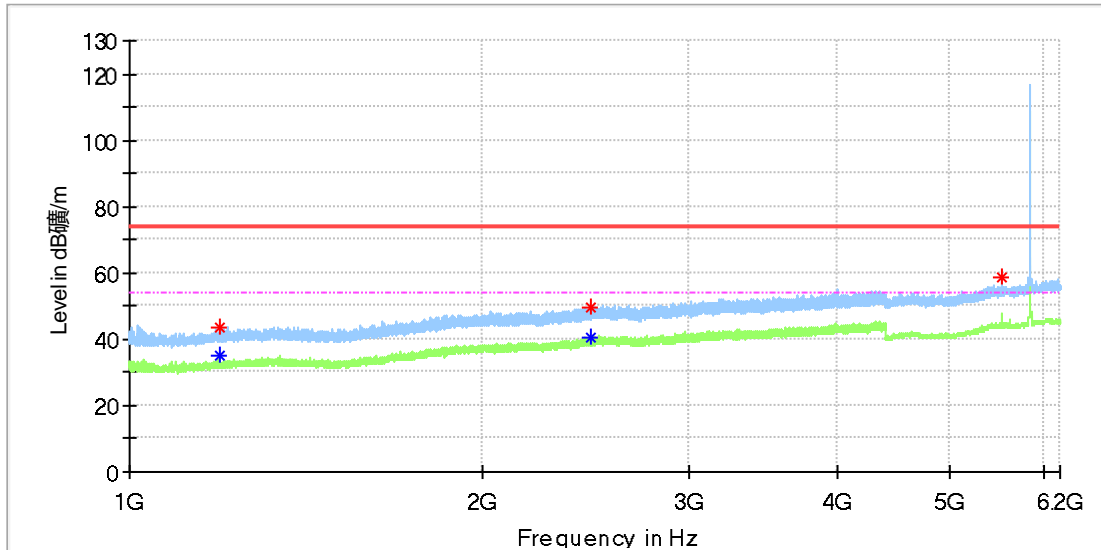
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11550.316667	---	38.09	54.00	15.91	100.0	V	86.0	13.5
11608.825000	47.79	---	74.00	26.21	100.0	V	355.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5846.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

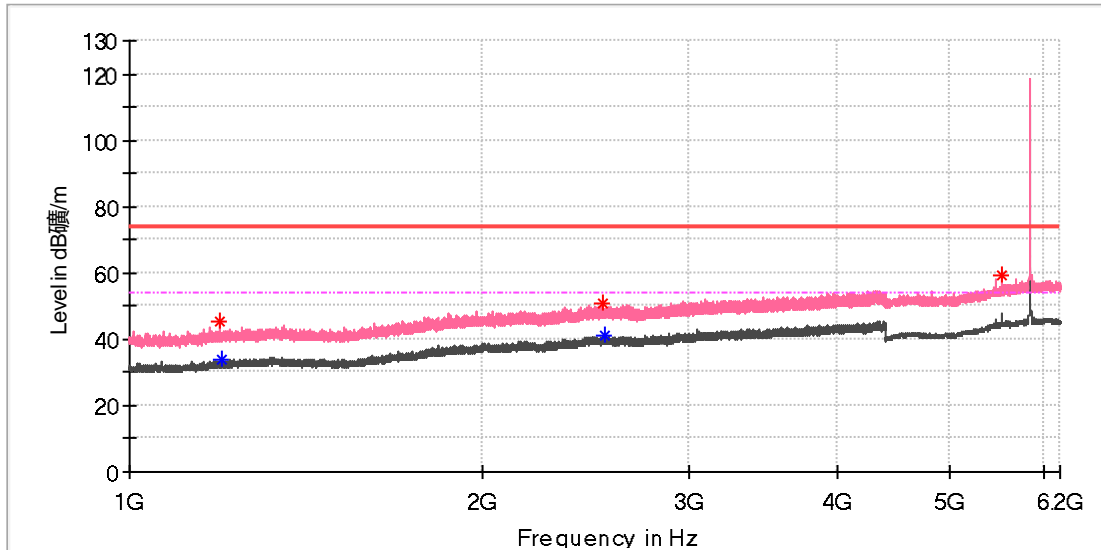
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.330000	---	35.18	54.00	18.82	100.0	H	248.0	1.1
1195.330000	43.40	---	74.00	30.60	100.0	H	248.0	1.1
2471.860000	49.68	---	74.00	24.32	100.0	H	76.0	7.4
2473.220000	---	40.73	54.00	13.27	100.0	H	119.0	7.4
5539.000000	58.55	---	68.20	9.65	100.0	H	11.0	13.8

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5846.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

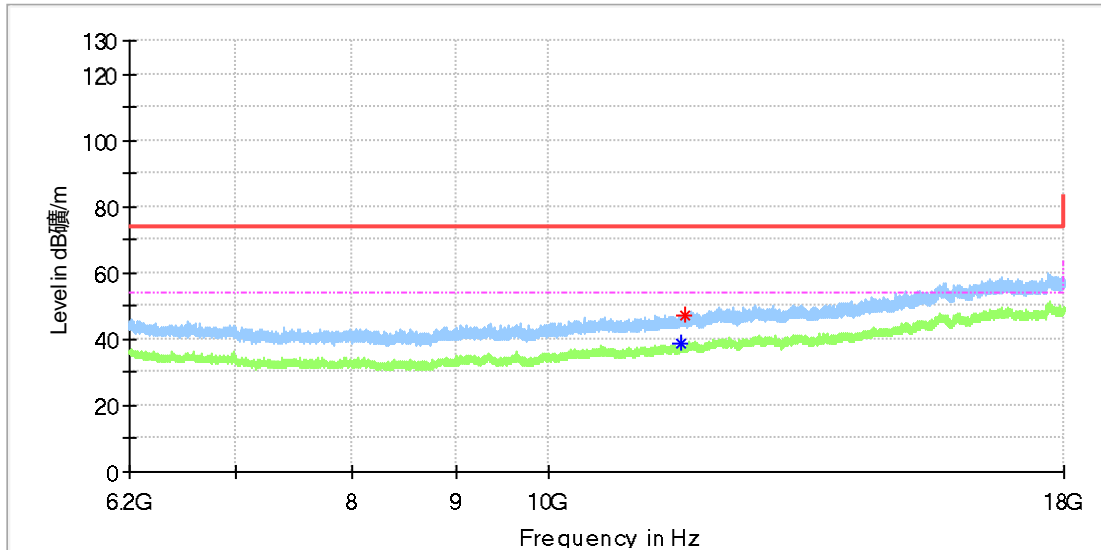
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1194.820000	45.38	---	74.00	28.62	100.0	V	73.0	1.1
1199.580000	---	33.64	54.00	20.36	100.0	V	194.0	1.1
2527.620000	50.59	---	74.00	23.41	100.0	V	29.0	7.5
2536.630000	---	40.97	54.00	13.03	100.0	V	19.0	7.6
5539.500000	59.03	---	68.20	9.17	100.0	V	71.0	13.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5846.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

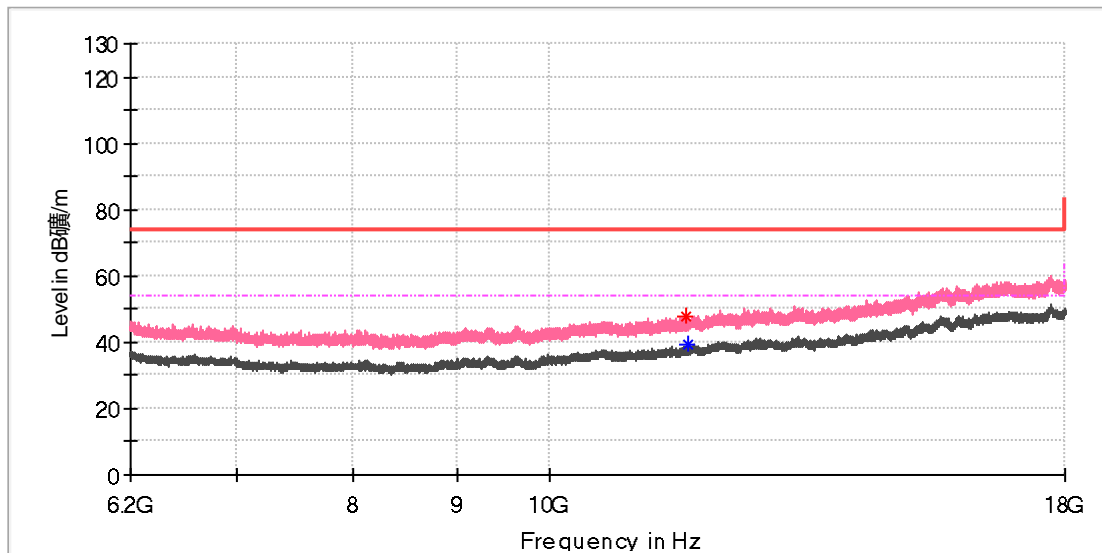
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11636.358333	---	38.49	54.00	15.51	100.0	H	268.0	13.3
11688.475000	47.03	---	74.00	26.97	100.0	H	356.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5846.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

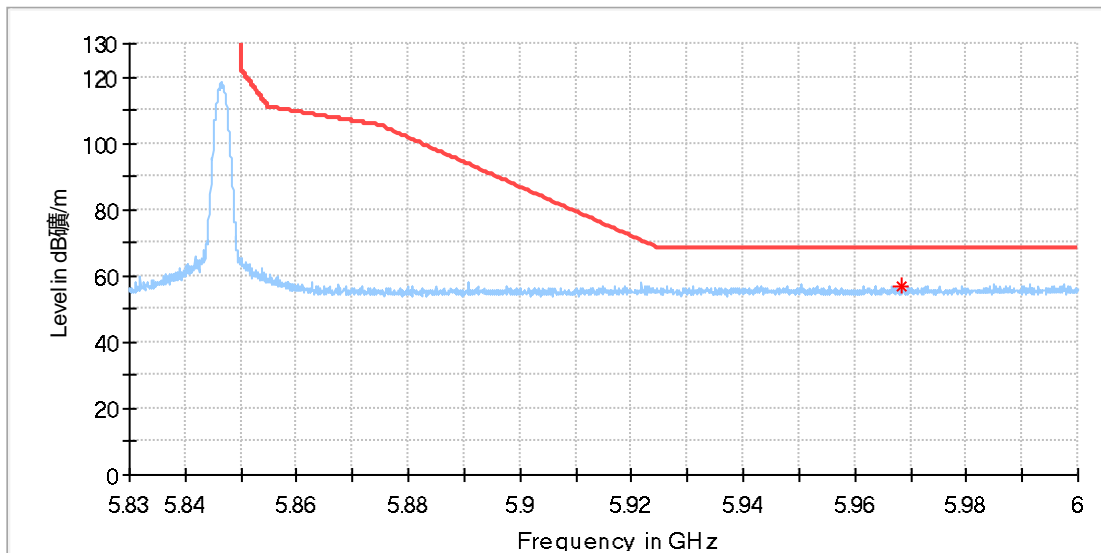
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11672.250000	47.77	---	74.00	26.23	100.0	V	7.0	13.3
11701.750000	---	39.05	54.00	14.95	100.0	V	31.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5846.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

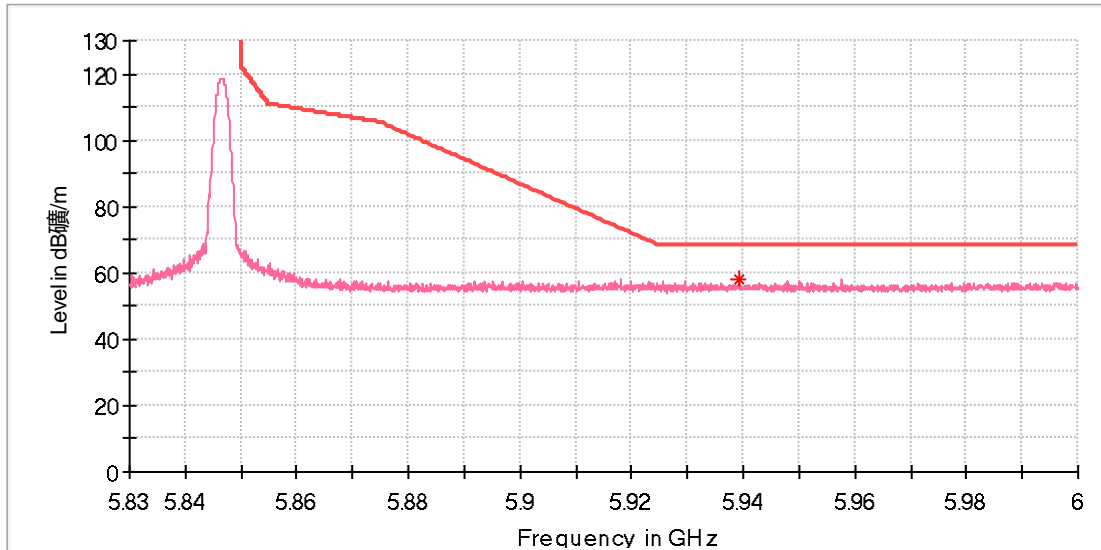
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5968.375000	57.06	68.20	11.14	100.0	H	39.0	14.9

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M_5846.5MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

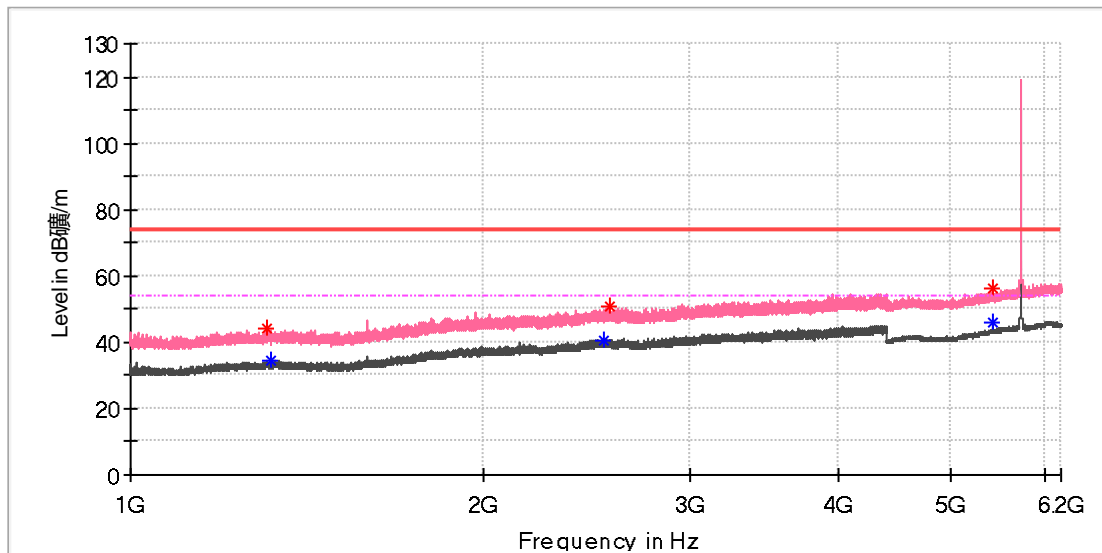
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5939.17778	57.78	68.20	10.42	100.0	V	357.0	14.7

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5730.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

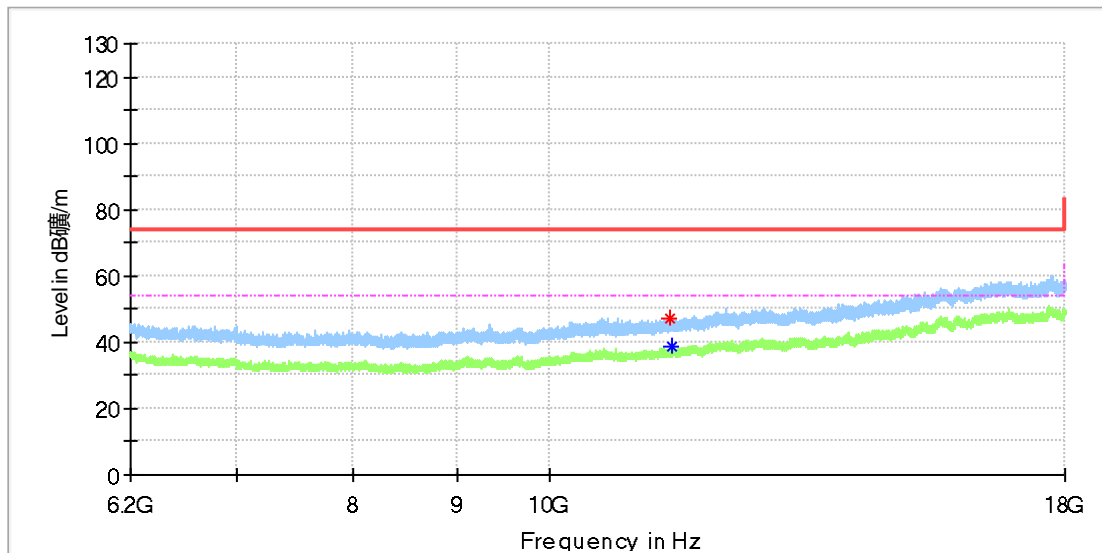
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1306.680000	43.85	---	74.00	30.15	100.0	V	329.0	2.0
1314.500000	---	34.57	54.00	19.43	100.0	V	2.0	2.0
2524.900000	---	40.62	54.00	13.38	100.0	V	210.0	7.5
2554.820000	50.49	---	74.00	23.51	100.0	V	52.0	7.6
5423.000000	56.40	---	74.00	17.60	100.0	V	47.0	13.5
5423.000000	---	45.94	54.00	8.06	100.0	V	47.0	13.5

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5730.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

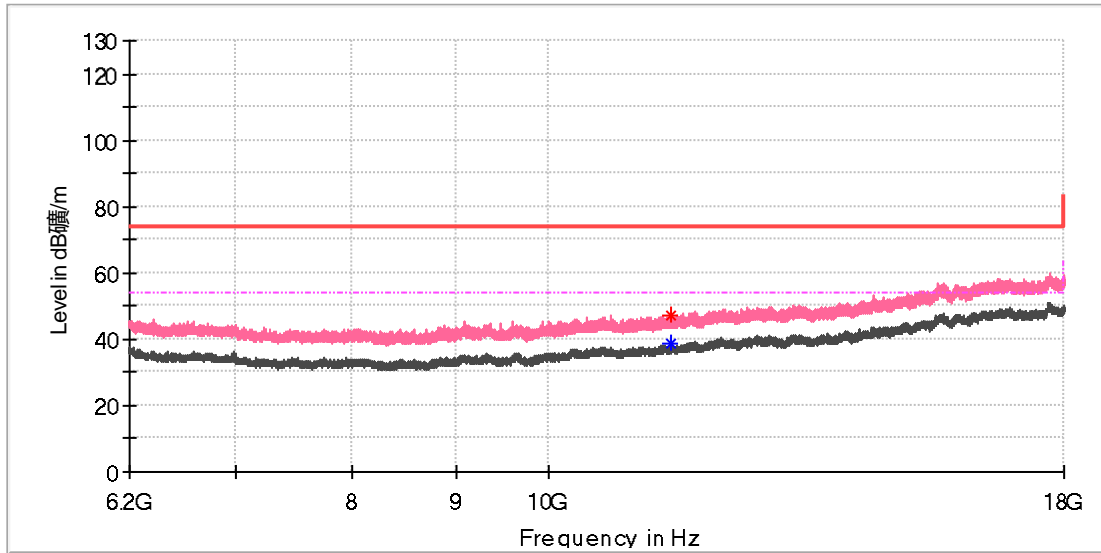
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11472.633333	47.29	---	74.00	26.71	100.0	H	197.0	13.6
11502.625000	---	38.55	54.00	15.45	100.0	H	48.0	13.7

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5730.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

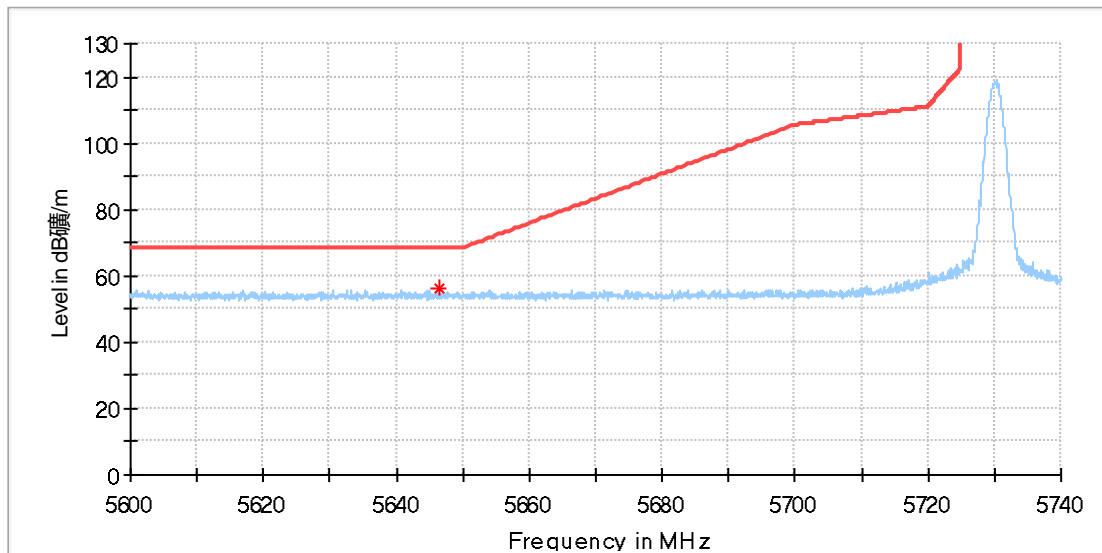
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11503.608333	47.37	---	74.00	26.63	100.0	V	272.0	13.7
11503.608333	---	38.54	54.00	15.46	100.0	V	272.0	13.7

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	DJI RC Motion 2
Model:	RM220
Test Mode:	SDR 5.8G_1.4M CA_5730.12MHz
Order No/Sample No:	168368607/A003318870-005
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

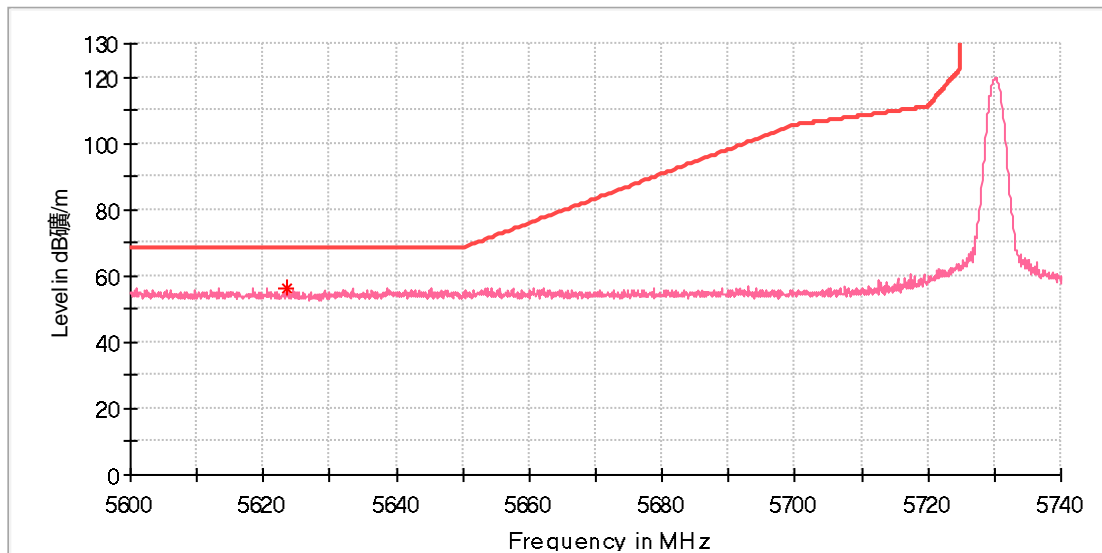
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.322222	56.05	68.20	12.15	100.0	H	1.0	13.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	DJI RC Motion 2
Model:	RM220
Test Mode:	SDR 5.8G_1.4M CA_5730.12MHz
Order No/Sample No:	168368607/A003318870-005
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

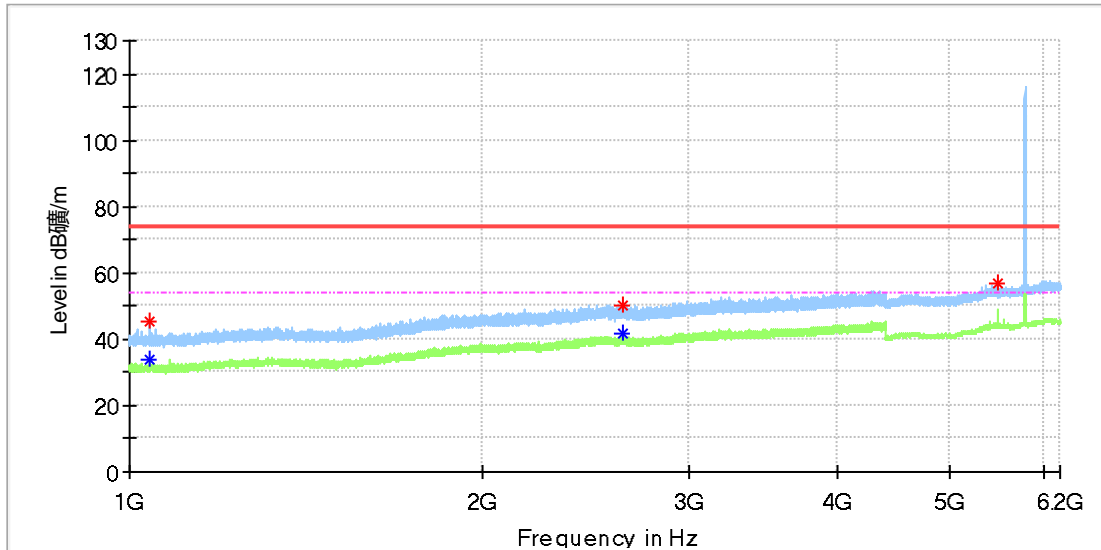
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5623.650000	56.06	68.20	12.14	100.0	V	65.0	13.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5788.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

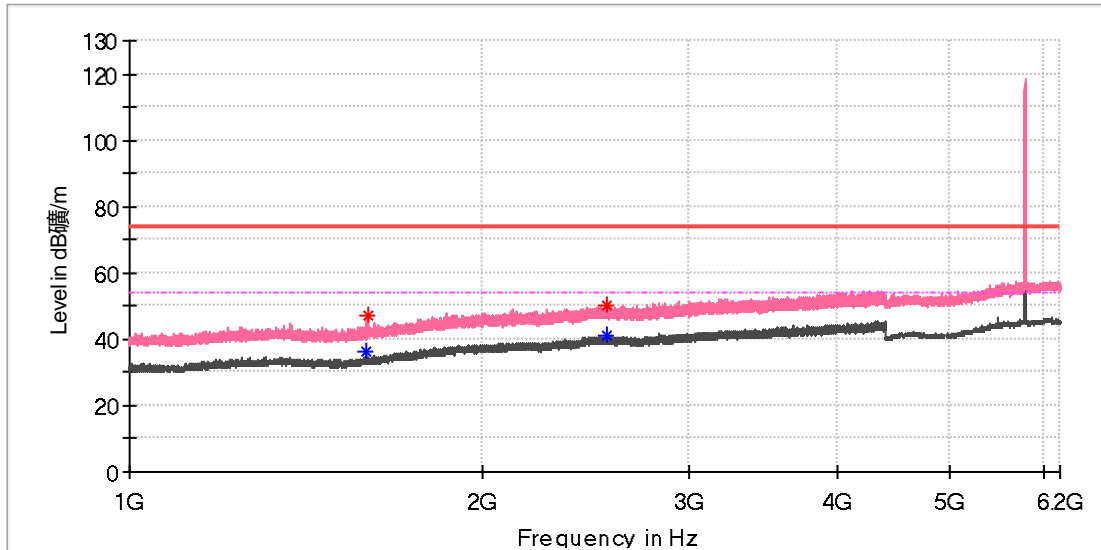
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1038.930000	---	33.93	54.00	20.07	100.0	H	183.0	-0.2
1038.930000	45.12	---	74.00	28.88	100.0	H	183.0	-0.2
2630.980000	---	41.55	54.00	12.45	100.0	H	329.0	7.5
2634.550000	50.11	---	74.00	23.89	100.0	H	140.0	7.5
5480.500000	57.04	---	68.20	11.16	100.0	H	11.0	13.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5788.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

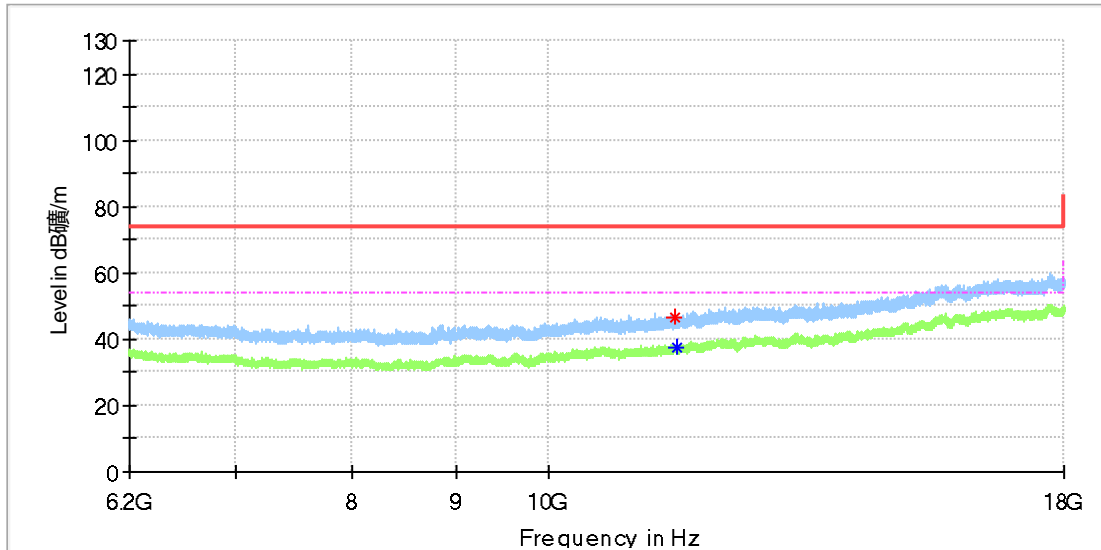
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.130000	---	36.45	54.00	17.55	100.0	V	183.0	2.0
1597.380000	47.07	---	74.00	26.93	100.0	V	183.0	2.1
2550.400000	---	41.12	54.00	12.88	100.0	V	237.0	7.6
2553.120000	50.02	---	74.00	23.98	100.0	V	6.0	7.6

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5788.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

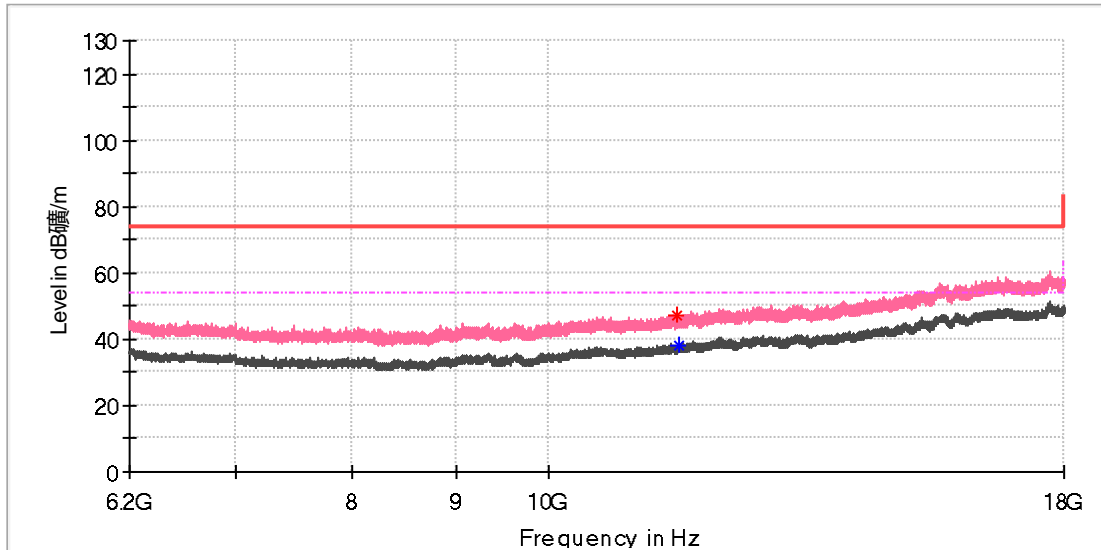
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11554.250000	46.58	---	74.00	27.42	100.0	H	217.0	13.5
11586.700000	---	37.76	54.00	16.24	100.0	H	0.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5788.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

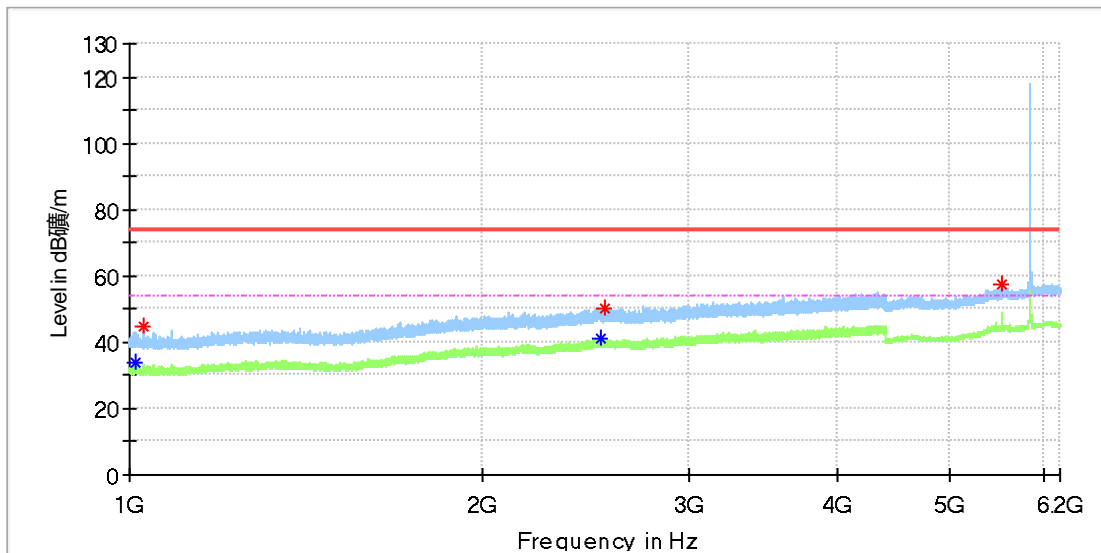
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11564.083333	47.07	---	74.00	26.93	100.0	V	21.0	13.4
11599.975000	---	38.12	54.00	15.88	100.0	V	99.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5848.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

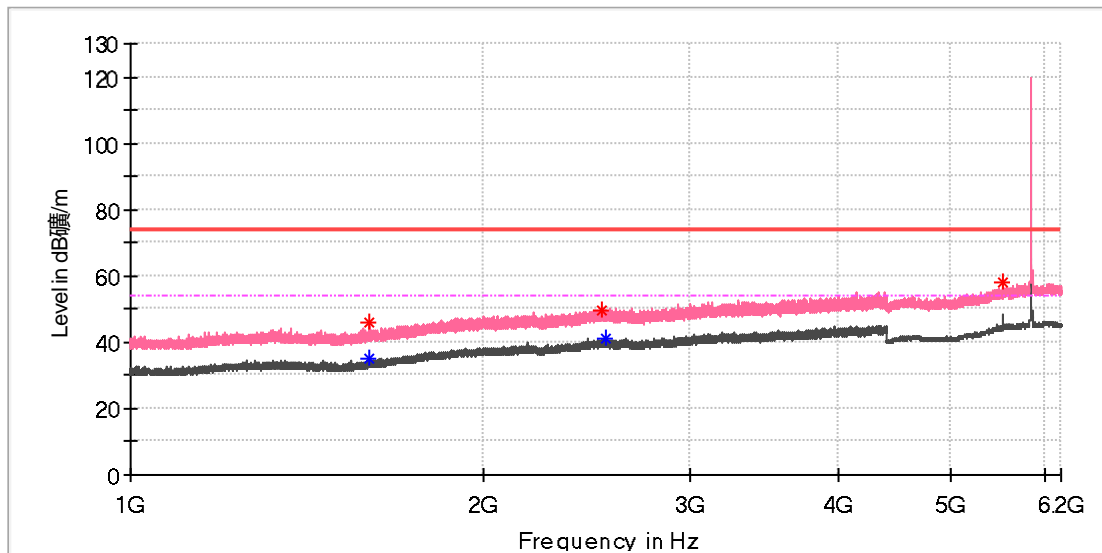
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1012.410000	---	33.65	54.00	20.35	100.0	H	244.0	-0.2
1027.710000	44.82	---	74.00	29.18	100.0	H	244.0	-0.2
2519.970000	---	40.89	54.00	13.11	100.0	H	167.0	7.5
2541.900000	50.42	---	74.00	23.58	100.0	H	232.0	7.6
5540.500000	57.37	---	68.20	10.83	100.0	H	1.0	13.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5848.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

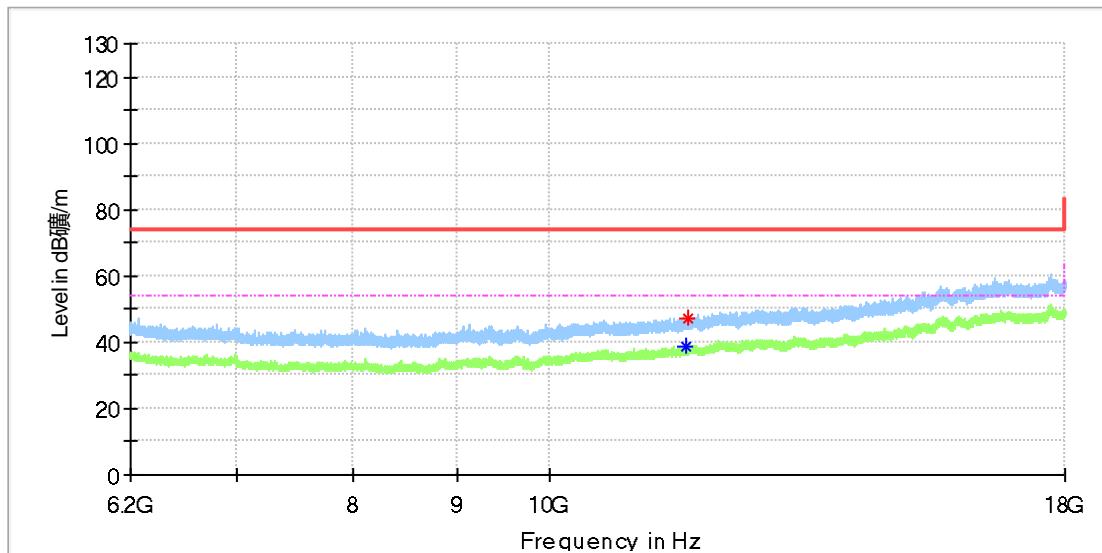
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1598.740000	45.95	---	74.00	28.05	100.0	V	179.0	2.1
1598.740000	---	35.28	54.00	18.72	100.0	V	179.0	2.1
2519.290000	49.82	---	74.00	24.18	100.0	V	0.0	7.5
2540.030000	---	40.84	54.00	13.16	100.0	V	325.0	7.6
5541.000000	57.88	---	68.20	10.32	100.0	V	80.0	13.8

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5848.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

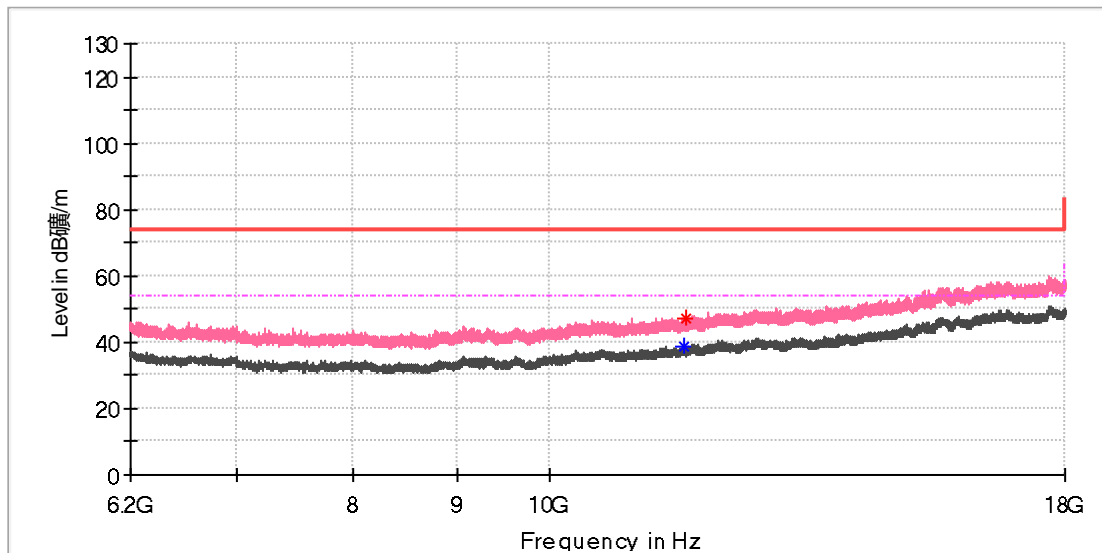
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11686.508333	---	39.00	54.00	15.00	100.0	H	0.0	13.3
11708.633333	47.29	---	74.00	26.71	100.0	H	154.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5848.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

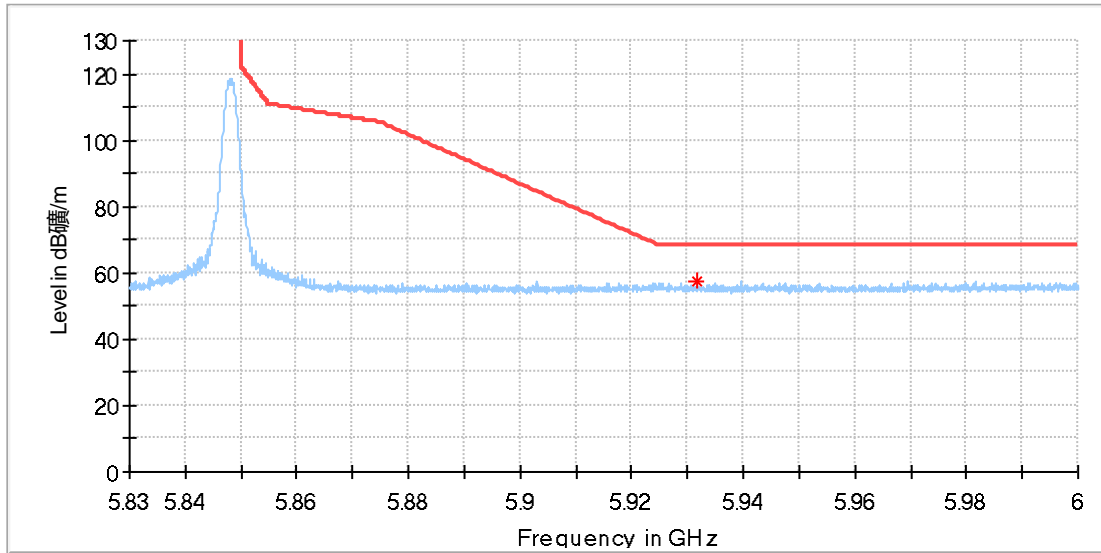
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11654.058333	---	38.77	54.00	15.23	100.0	V	5.0	13.3
11673.233333	47.10	---	74.00	26.91	100.0	V	0.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5848.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

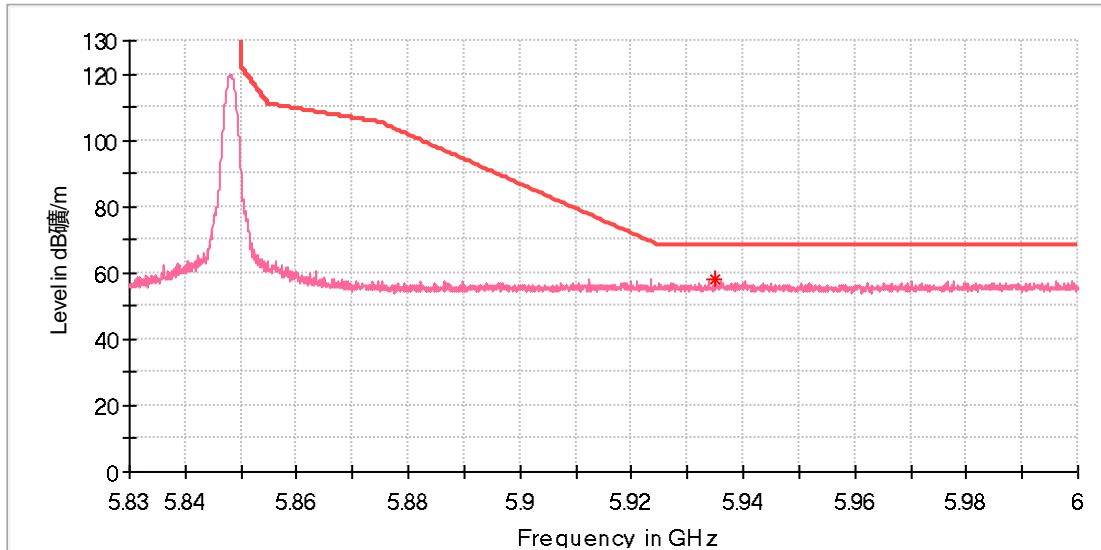
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5931.638889	57.32	68.20	10.88	100.0	H	97.0	14.7

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: DJI RC Motion 2
 Model: RM220
 Test Mode: SDR 5.8G_1.4M CA_5848.12MHz
 Order No/Sample No: 168368607/A003318870-005
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5934.833333	57.86	68.20	10.34	100.0	V	47.0	14.7

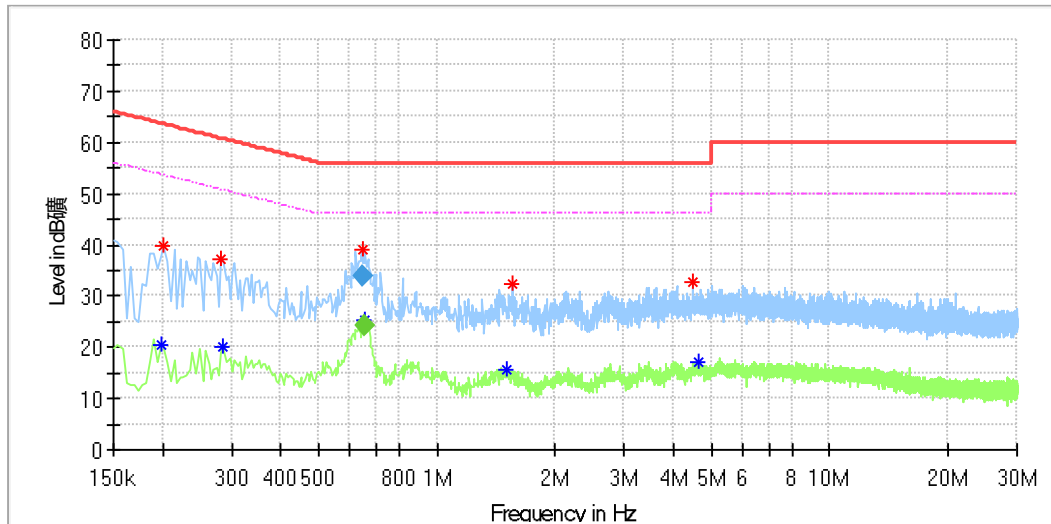
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.6: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: DJI RC Motion 2
 Order No: 168368607(P00667773) (#100)
 Model: RM220
 Test mode: Charging by AC/DC Adapter + Normal Operation by 5.8G SDR
 Test Voltage: AC 120V/60Hz
 Test By:/Review By: Ouyang Wang/Gary Chen
 Test Standard: FCC Part 15
 Tem./Hum./Pressure: 23.7°C/52.4%/101kPa
 Remark: SR2



Critical Freqs

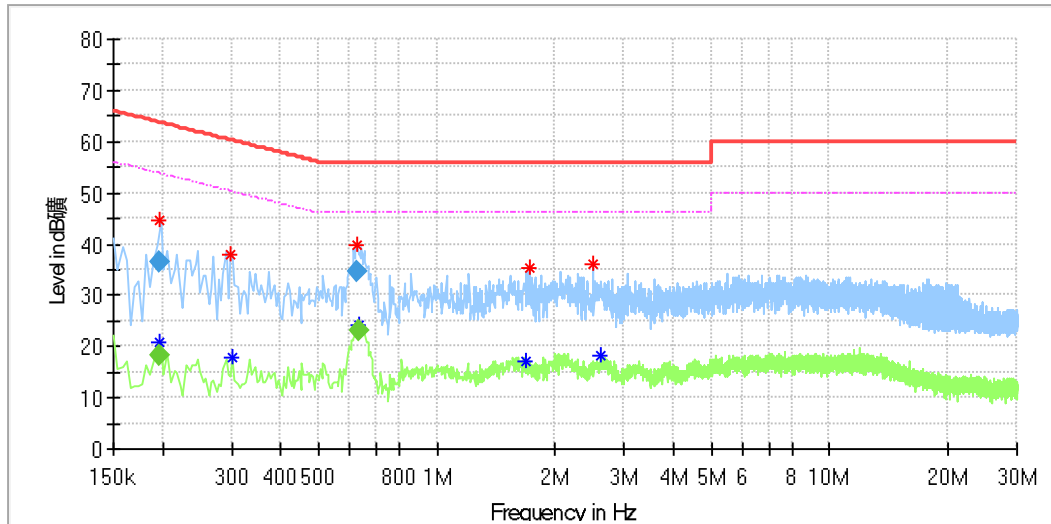
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.198000	---	20.65	53.69	33.04	L1	9.9
0.202000	39.75	---	63.53	23.77	L1	9.9
0.282000	37.20	---	60.76	23.56	L1	9.9
0.286000	---	19.91	50.64	30.73	L1	9.9
0.649500	38.93	---	56.00	17.07	L1	10.0
0.653500	---	25.16	46.00	20.84	L1	10.0
1.510000	---	15.66	46.00	30.34	L1	10.1
1.554000	32.28	---	56.00	23.72	L1	10.1
4.498000	32.82	---	56.00	23.18	L1	10.2
4.610000	---	17.09	46.00	28.91	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.649500	33.86	---	56.00	22.14	3000.0	9.000	L1	10.0
0.653500	---	24.11	46.00	21.89	3000.0	9.000	L1	10.0

EUT Information

EUT Name: DJI RC Motion 2
 Order No: 168368607(P00667773) (#100)
 Model: RM220
 Test mode: Charging by AC/DC Adapter + Normal Operation by 5.8G SDR
 Test Voltage: AC 120V/60Hz
 Test By:/Review By: Ouyang Wang/Gary Chen
 Test Standard: FCC Part 15
 Tem./Hum./Pressure: 23.7°C/52.4%/101kPa
 Remark: SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.197500	---	20.85	53.69	32.85	N	9.8
0.197500	44.66	---	63.69	19.03	N	9.8
0.298000	38.01	---	60.30	22.29	N	9.8
0.302000	---	17.73	50.19	32.46	N	9.8
0.625500	39.81	---	56.00	16.19	N	9.8
0.634500	---	24.31	46.00	21.69	N	9.8
1.678000	---	17.23	46.00	28.77	N	9.8
1.714000	35.30	---	56.00	20.70	N	9.8
2.494000	36.04	---	56.00	19.96	N	9.9
2.626000	---	18.08	46.00	27.92	N	9.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.197500	---	18.17	53.72	35.55	3000.0	9.000	N	9.8
0.197500	36.28	---	63.72	27.43	3000.0	9.000	N	9.8
0.625500	34.58	---	56.00	21.42	3000.0	9.000	N	9.8
0.634500	---	23.04	46.00	22.96	3000.0	9.000	N	9.8