Testing Laboratory
3023

Test report No.: 2360570R-RFUSV03S-B

TEST REPORT

Product Name	Wi-Fi 6/6E Sensor
Trademark	7SIGNAL, Inc.
Model and /or type reference	7S6300
FCC ID	YLF7S6300
Applicant´s name / address	7signal 6155 Rockside Road, Suite 110, Independence, Ohio 44131, United States
Manufacturer´s name	7SIGNAL, Inc.
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart E ANSI C63.4: 2014, ANSI C63.10: 2013 KDB Publication 987594, KDB Publication 789033
Verdict Summary	IN COMPLIANCE
Documented By (Senior Project Specialist / Genie Chang)	Genie Chang
Tested By (Senior Engineer / Ivan Chuang)	Ivan Chuang
Tested By (Senior Engineer / Alan Chen)	Alan Chen
Date of Receipt	2023/06/17
Date of Issue	2023/09/05
Report Version	V1.0

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Appendix 1: EUT Test Photographs
Appendix 2: Product Photos-Please refer to the file: 2360570R-Product Photos

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Report No.	Version	Description	Issued Date
2360570R-RFUSV03S-B	V1.0	Initial issue of report.	2023/09/05

1. Summary of Reference Test Data

1.1. Introduction

This application is intended to reuse the test data from FCC ID: A8J-ECW336, certified on 07/08/2022, due to the fact that this products is hardware-wise identical.
Since the difference is software version change from master mode to slave mode, the limitation of FCC Part 15E for Wi-Fi 6E was changed, and it re-test UNII-5, UNII-6, UNII-7 and UNII-8.

UNII-5, 6, 7, 8		
Test Item	Data Reused	Remark
Conducted Emission	No	Re-test
Radiated Band Edge	No	Re-test
Radiated Spurious Emission	No	Re-test
Occupied Bandwidth	No	Re-test
Transmit Output Power	No	Re-test
Power Spectral Density	No	Re-test
In-Band Emission (Mask)	No	Re-test
Contention Based Protocol	No	Re-test
Duty Cycle	No	Re-test

1.2. Difference Description

7S6300 (FCC ID: YLF7S6300), use the same MCU chipset (IPQ8072A), share the same chipset baseline, hardware design, support same bands, the difference is only on software version change from master mode to slave mode.

2. General Information

2.1. EUT Description

Product Name	Wi-Fi 6/6E Sensor
Trademark	7SIGNAL, Inc.
Model and /or type reference	7S6300
EUT Rated Voltage	AC 100-240V / 50-60Hz
EUT Test Voltage	AC 120V / 60Hz
Frequency Range	802.11a/ax-20MHz: 5955~7095MHz 802.11ax-40MHz: 5965~7085MHz 802.11ax-80MHz: 5985~7025MHz 802.11ax-160MHz: 6025~6985Hz
Number of Channels	802.11a/ax-20MHz: 58 802.11ax-40MHz: 29 802.11ax-80MHz: 14 802.11ax-160MHz: 7
Data Rate	802.11a: 6-54Mbps 802.11ax: up to 4803.9Mbps
Type of Modulation	OFDM, OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Channel Control	Auto

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Senao	7S6300	Dipole	5.30dBi for 5925~6425 MHz 3.71dBi for 6425~6525 MHz 3.71dBi for 6525~6875 MHz 5.06dBi for 6875~7125 MHz
2	Senao	7S6300	Dipole	4.66dBi for 5925~6425 MHz 4.74dBi for 6425~6525 MHz 4.74dBi for 6525~6875 MHz 3.96dBi for 6875~7125 MHz
3	Senao	7S6300	Dipole	4.68dBi for 5925~6425 MHz 4.44dBi for 6425~6525 MHz 4.44dBi for 6525~6875 MHz 5.43dBi for 6875~7125 MHz
4	Senao	7S6300	Dipole	5.44dBi for 5925~6425 MHz 5.38dBi for 6425~6525 MHz 5.38dBi for 6525~6875 MHz 5.48dBi for 6875~7125 MHz

Note: The Transmit Output Power and Power Spectral Density measurements were performed radiated and therefore directional antenna gain is not required.

802.11a/ax-20 MHz Center Working Frequency of Each Channel:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	5955	05	5975	09	5995	13	6015
17	6035	21	6055	25	6075	29	6095
33	6115	37	6135	41	6155	45	6175
49	6195	53	6215	57	6235	61	6255
65	6275	69	6295	73	6315	77	6335
81	6355	85	6375	89	6395	93	6415
97	6435	101	6455	105	6475	109	6495
113	6515	117	6535	121	6555	125	6575
129	6595	133	6615	137	6635	141	6655
145	6675	149	6695	153	6715	157	6735
161	6755	165	6775	169	6795	173	6815
177	6835	181	6855	185	6875	189	6895
193	6915	197	6935	201	6955	205	6975
209	6995	213	7015	217	7035	221	7055
225	7075	229	7095	--	--	--	--

802.11ax-40 MHz Center Working Frequency of Each Channel:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	5965	11	6005	19	6045	27	6085
35	6125	43	6165	51	6205	59	6245
67	6285	75	6325	83	6365	91	6405
99	6445	107	6485	115	6525	123	6565
131	6605	139	6645	147	6685	155	6725
163	6765	171	6805	179	6845	187	6885
195	6925	203	6965	211	7005	219	7045
227	7085	--	--	--	--	--	--

802.11ax-80 MHz Center Working Frequency of Each Channel:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
7	5985	23	6065	39	6145	55	6225
71	6305	87	6385	103	6465	119	6545
135	6625	151	6705	167	6785	183	6865
199	6945	215	7025	--	--	--	--

802.11ax-160 MHz Center Working Frequency of Each Channel:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
15	6025	47	6185	79	6345	111	6505
143	6665	175	6825	207	6985	--	--

Note:

1. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
2. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11a is 6Mbps、802.11ax-20BW/40BW/80BW/160BW is MCS0)
3. The spectrum plot against conducted item only shows the worst case.
4. The CDD mode and Beamforming mode are presented in the power output test item. For other test items, CDD mode is the worst case for the final test and shown in this report.
5. This device does not support partial RU and channel puncturing function.

Test Mode	Transmit (802.11a) Transmit (802.11ax-20BW) Transmit (802.11ax-40BW) Transmit (802.11ax-80BW) Transmit (802.11ax-160BW) Transmit (802.11ax-20BW)-Beamforming Transmit (802.11ax-40BW)-Beamforming Transmit (802.11ax-80BW)-Beamforming Transmit (802.11ax-160BW)-Beamforming

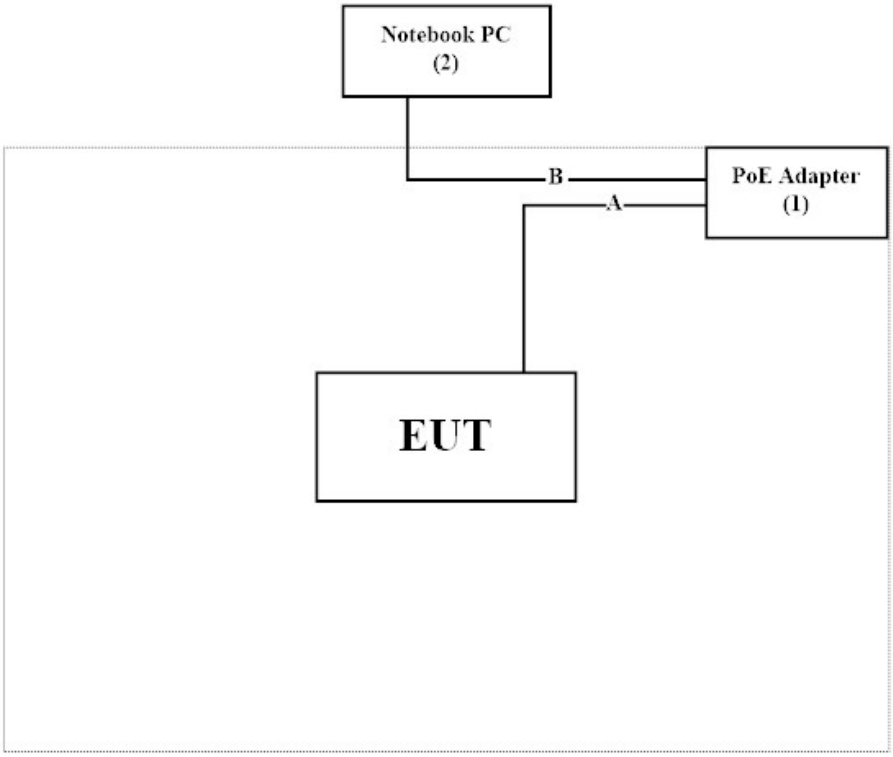
2.2. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	PoE Adapter	EnGenius	EPA5006GP	N/A	N/A
2	Notebook PC	DELL	Latitude E6440	N/A	N/A

Cable Type		Cable Description
A	LAN Cable	Non-shielded, 1.5m
B	LAN Cable	Non-shielded, 3m

2.3. Configuration of tested System



2.4. EUT Exercise Software

1	Setup the EUT as shown in Section 2.3.
2	Execute software “QSPR Version V5.0-00197” on the Notebook PC.
3	Configure the test mode, the test channel, and the data rate.
4	Press “OK” to start the continuous Transmit.
5	Verify that the EUT works properly.

2.5. Test Facility

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual
Radiated Emission	Temperature (°C)	10~40 °C	22.9 °C
	Humidity (%RH)	10~90 %	59.3 %
Conductive	Temperature (°C)	10~40 °C	23.6 °C
	Humidity (%RH)	10~90 %	54.7 %

USA	FCC Registration Number: TW0033
Canada	CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	Accredited by TAF
	Accredited Number: 3023

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist.,Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

2.6. List of Test Equipment

For Conduction measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
V	EMI Test Receiver	R&S	ESR7	101601	2023/06/20	2024/06/19
V	Two-Line V-Network	R&S	ENV216	101306	2023/03/16	2024/03/15
V	Coaxial Cable	SUHNER	RG400_BNC	RF001	2023/01/10	2024/01/09

Note:
1. All equipment are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software version: E3 230303 dekra V9.

For Conducted measurements / HY-SR02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
V	Spectrum Analyzer	R&S	FSV30	103466	2022/12/22	2023/12/21
V	Spectrum Analyzer	KEYSIGHT	N9010A	MY53470892	2022/11/7	2023/11/06
V	Peak Power Analyzer	KEYSIGHT	8990B	MY51000539	2023/05/15	2024/05/14
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY59240002	2023/05/18	2024/05/18
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY59240003	2023/05/18	2024/05/17
V	Spectrum Analyzer	KEYSIGHT	N9010A	MY55150401	2022/09/27	2023/09/26
V	Signal Generator	Agilent	N5182B	MY53050685	2023/07/23	2024/07/22
V	Frequency Extender	KEYSIGHT	N5182BX07	MY59360243	2023/07/23	2024/07/22

Note:
1. All equipments are calibrated every one year.
2. The test instruments marked with “V” are used to measure the final test results.
3. Test Software version: RF Conducted Test Tools R3 V3.0.1.19.

For Radiated measurements / HY-CB03

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
V	Loop Antenna	AMETEK	HLA6121	49611	2023/02/21	2024/02/20
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-675	2021/08/11	2023/08/10
V	Horn Antenna	RF SPIN	DRH18-E	210507A18ES	2023/05/11	2024/05/10
V	Horn Antenna	Com-Power	AH-840	101100	2021/10/04	2023/10/03
V	Pre-Amplifier	SGH	0301	20211007-10	2023/01/10	2024/01/09
V	Pre-Amplifier	SGH	PRAMP118	20200701	2023/01/10	2024/01/09
V	Pre-Amplifier	EMCI	EMC05820SE	980310	2023/01/10	2024/01/09
V	Pre-Amplifier	EMCI	EMC184045SE	980369	2023/01/10	2024/01/09
	Coaxial Cable	EMCI	EMC102-KM-KM-600	1160314		
	Coaxial Cable	EMCI	EMC102-KM-KM-7000	170242		
V	WIFI 6E Filter	Marvelous Microwave Inc.	MFN-5925.7125.S1	C50003N	2023/01/05	2024/01/04
V	EMI Test Receiver	R&S	ESR	102793	2022/12/05	2023/12/04
V	Spectrum Analyzer	R&S	FSV3044	101113	2023/02/04	2024/02/03
V	Coaxial Cable	SGH	SGH18	2021005-1	2023/01/10	2024/01/09
	Coaxial Cable	SGH	SGH18	202108-4		
	Coaxial Cable	SGH	SGH18	GD20110223-1		
	Coaxial Cable	SGH	HA800	GD20110222-3		

Note:
1. The test instruments marked with “V” are used to measure the final test results.
2. Test Software version: E3 230303 dekra V9.

2.7. Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

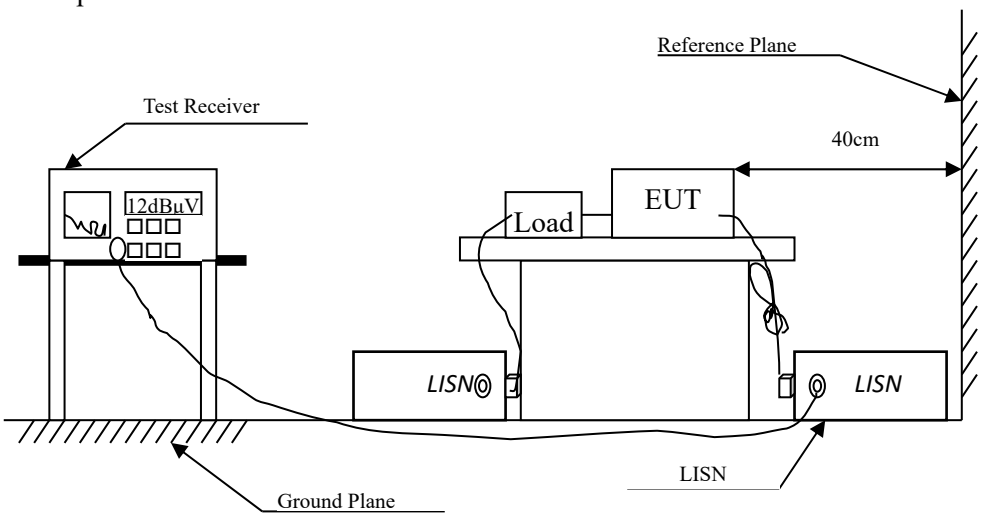
The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test Item	**Uncertainty**
Conducted Emission	±3.50 dB
99% & 26dB Bandwidth	±1580.61 Hz
Transmit Output	±4.28 dB
Peak Power Spectrum Density	±4.28 dB
In-BandS Emission (Mask)	±2.14 dB
Contention-Based Protocol (CBP)	±1.05 dB
Radiated Emission	9kHz~30MHz: ±3.88 dB 30MHz~1GHz: ±4.42 dB 1GHz~18GHz: ±4.28 dB 18GHz~40GHz: ±3.90 dB
Band Edge	±4.28 dB
Duty Cycle	±0.53 %

3. Conducted Emission

3.1. Test Setup



3.2. Limits

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remark: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

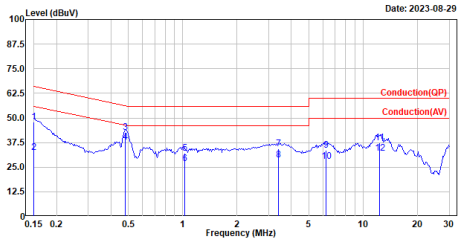
The EUT was setup according to ANSI C63.10: 2013. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)
Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.4. Test Specification

According to FCC CFR Title 47 Part 15 Subpart C Paragraph 15.207.

3.5. Test Result of Conducted Emission

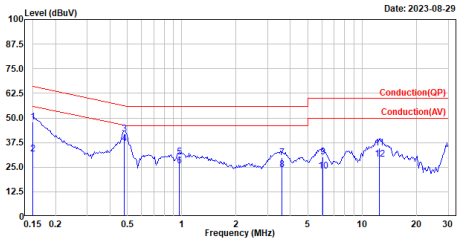
Site :HY-SR01
Condition :Line
Mode :TX_ax160_6985MHz
test by :Jimmy



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.150	47.76	65.98	-18.22	38.08	9.68	QP
2	0.150	32.34	55.98	-23.64	22.66	9.68	Average
3	0.483	42.77	56.29	-13.52	33.09	9.68	QP
4	0.483	37.70	46.29	-8.59	28.02	9.68	Average
5	1.025	31.92	56.00	-24.08	22.20	9.72	QP
6	1.025	26.83	46.00	-19.17	17.11	9.72	Average
7	3.393	34.16	56.00	-21.84	23.87	10.29	QP
8	3.393	28.77	46.00	-17.23	18.48	10.29	Average
9	6.248	33.72	60.00	-26.28	22.89	10.83	QP
10	6.248	28.04	50.00	-21.96	17.21	10.83	Average
11	12.294	37.19	60.00	-22.81	26.40	10.79	QP
12	12.294	31.93	50.00	-18.07	21.14	10.79	Average

Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

Site :HY-SR01
Condition :Neutral
Mode :TX_ax160_6985MHz
test by :Jimmy

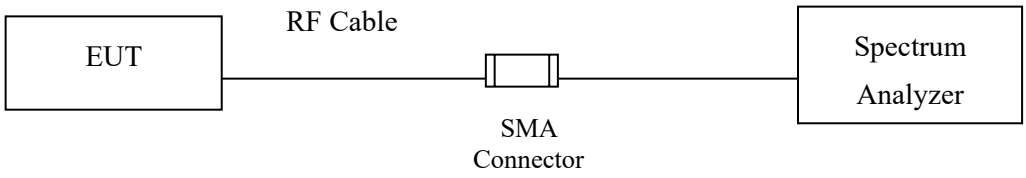


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.150	48.09	65.99	-17.90	38.43	9.66	QP
2	0.150	31.88	55.99	-24.11	22.22	9.66	Average
3	0.482	41.98	56.30	-14.32	32.32	9.66	QP
4	0.482	36.92	46.30	-9.38	27.26	9.66	Average
5	0.974	30.26	56.00	-25.74	20.56	9.70	QP
6	0.974	25.53	46.00	-20.47	15.83	9.70	Average
7	3.580	29.71	56.00	-26.29	19.37	10.34	QP
8	3.580	23.70	46.00	-22.30	13.36	10.34	Average
9	6.051	30.31	60.00	-29.69	19.49	10.82	QP
10	6.051	22.90	50.00	-27.10	12.08	10.82	Average
11	12.423	34.65	60.00	-25.35	23.84	10.81	QP
12	12.423	28.99	50.00	-21.01	18.18	10.81	Average

Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

4. 99% & 26dB Bandwidth

4.1. Test Setup



4.2. Limits

No Required

4.3. Test Procedure

The EUT was tested according to U-NII test procedure of KDB 789033.D02 V02r01

Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

4.4. Test Result of 99% & 26dB Bandwidth

Product : Wi-Fi 6/6E Sensor
Test Item : 99% & 26dB Bandwidth
Test Mode : Transmit (802.11a)
Test Date : 2023/08/10 ~ 2023/08/11

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Chain A	Chain B	Chain C	Chain D	Chain A	Chain B	Chain C	Chain D
1	5955	19.58	19.70	19.66	19.82	16.543	16.663	16.583	16.663
45	6175	19.42	19.74	19.66	20.06	16.583	16.663	16.583	16.463
93	6415	19.78	19.78	19.62	19.86	16.663	16.623	16.623	16.583
97	6435	19.82	19.58	19.54	20.10	16.623	16.583	16.623	16.583
105	6475	19.42	19.70	19.58	19.74	16.583	16.663	16.543	16.623
113	6515	19.62	19.46	19.46	19.82	16.623	16.663	16.583	16.623
117	6535	19.38	19.50	19.42	19.86	16.583	16.623	16.583	16.623
149	6695	20.06	19.58	19.82	20.14	16.703	16.663	16.583	16.623
181	6855	19.62	19.94	19.70	19.66	16.623	16.583	16.623	16.583
185	6875	19.86	19.62	19.42	19.94	16.543	16.583	16.543	16.583
189	6895	19.62	19.74	19.98	19.98	16.623	16.583	16.623	16.623
213	7015	19.98	19.66	20.18	20.38	16.543	16.623	16.623	16.663
229	7095	19.90	19.50	19.94	20.42	16.503	16.623	16.623	16.703

Product : Wi-Fi 6/6E Sensor
Test Item : 99% & 26dB Bandwidth
Test Mode : Transmit (802.11ax-20BW)
Test Date : 2023/08/10 ~ 2023/08/11

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Chain A	Chain B	Chain C	Chain D	Chain A	Chain B	Chain C	Chain D
1	5955	21.26	21.26	21.22	21.42	19.060	19.020	18.941	19.020
45	6175	21.14	21.30	21.10	21.50	18.941	18.981	18.901	19.060
93	6415	20.94	21.18	21.10	21.30	18.941	19.020	18.981	18.981
97	6435	20.98	21.54	20.94	21.38	18.901	18.981	19.020	19.140
105	6475	21.14	21.38	21.42	21.58	18.981	18.941	19.020	19.060
113	6515	21.34	21.50	21.18	21.42	18.981	18.901	18.981	19.020
117	6535	21.22	21.10	21.62	21.26	18.981	19.060	19.060	19.060
149	6695	20.90	20.86	21.34	20.90	19.060	19.020	19.020	19.100
181	6855	21.66	21.10	21.30	21.22	18.901	18.981	18.981	18.941
185	6875	21.14	21.34	20.94	21.22	18.981	19.060	18.981	18.941
189	6895	21.14	21.26	21.18	21.18	19.020	19.020	18.981	19.020
213	7015	21.38	21.42	21.38	21.42	19.020	19.020	18.941	18.901
229	7095	21.38	21.46	21.62	21.26	18.941	18.941	18.901	18.901

Product : Wi-Fi 6/6E Sensor
Test Item : 99% & 26dB Bandwidth
Test Mode : Transmit (802.11ax-40BW)
Test Date : 2023/08/10 ~ 2023/08/11

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Chain A	Chain B	Chain C	Chain D	Chain A	Chain B	Chain C	Chain D
3	5965	40.12	40.28	39.88	39.96	37.722	37.642	37.802	37.642
51	6205	40.12	40.04	40.20	40.20	37.562	37.722	37.642	37.722
91	6405	40.20	40.20	40.20	40.20	37.722	37.642	37.722	37.802
99	6445	40.04	40.28	40.76	40.20	37.642	37.642	37.642	37.722
107	6485	40.04	39.80	40.20	40.28	37.642	37.642	37.802	37.722
115	6525	39.96	40.44	40.20	39.96	37.722	37.722	37.802	37.642
123	6565	40.44	40.04	40.20	40.76	37.802	37.562	37.642	37.722
155	6725	40.12	40.04	40.44	40.04	37.562	37.482	37.722	37.802
179	6845	40.04	40.04	40.44	40.36	37.562	37.482	37.722	37.722
187	6885	40.12	39.96	40.20	40.60	37.562	37.562	37.722	37.722
195	6925	39.64	40.20	40.04	40.68	37.642	37.642	37.642	37.642
211	7005	40.20	40.20	40.36	40.28	37.642	37.562	37.642	37.642
227	7085	40.28	40.44	40.20	40.76	37.642	37.642	37.562	37.642

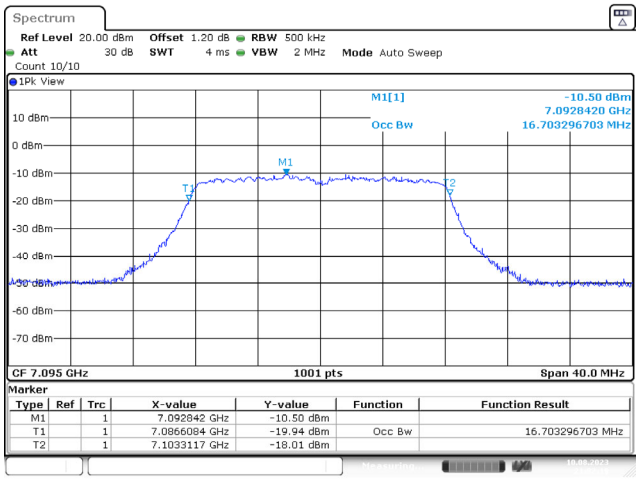
Product : Wi-Fi 6/6E Sensor
Test Item : 99% & 26dB Bandwidth
Test Mode : Transmit (802.11ax-80BW)
Test Date : 2023/08/10 ~ 2023/08/11

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Chain A	Chain B	Chain C	Chain D	Chain A	Chain B	Chain C	Chain D
7	5985	81.20	80.88	81.84	80.72	77.042	77.362	76.883	77.202
55	6225	80.72	82.00	81.04	81.36	77.042	77.202	77.362	77.042
87	6385	80.72	81.36	81.84	80.72	77.042	77.042	76.883	77.042
103	6465	80.88	81.52	80.88	81.20	76.883	76.883	76.883	77.042
119	6545	80.72	81.04	81.52	81.84	77.202	77.042	76.883	76.883
135	6625	82.16	81.04	81.52	81.36	76.403	76.723	77.202	76.723
151	6705	81.20	81.68	81.04	81.20	76.723	76.723	76.563	76.883
167	6785	81.04	81.20	82.00	81.36	77.042	76.883	77.042	77.202
183	6865	80.24	80.40	80.72	80.56	76.723	76.883	77.042	77.042
199	6945	81.52	81.04	80.08	80.88	76.563	76.723	76.723	76.883
215	7025	80.56	81.36	81.20	81.04	76.883	76.883	77.362	77.202

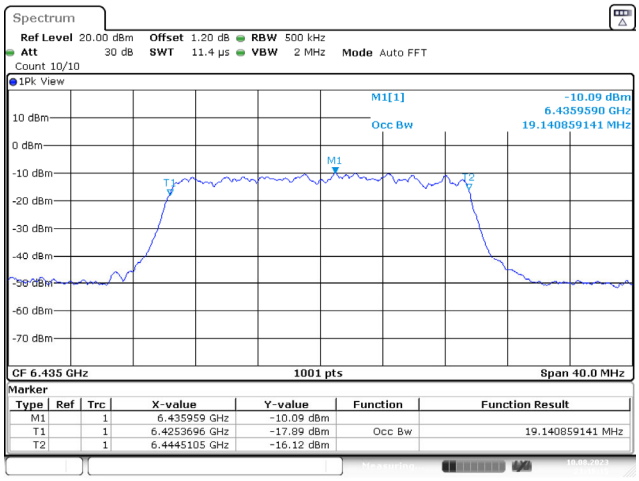
Product : Wi-Fi 6/6E Sensor
Test Item : 99% & 26dB Bandwidth
Test Mode : Transmit (802.11ax-160BW)
Test Date : 2023/08/10 ~ 2023/08/11

Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Chain A	Chain B	Chain C	Chain D	Chain A	Chain B	Chain C	Chain D
15	5250	161.76	161.76	162.72	163.04	154.405	154.085	154.085	154.725
47	6185	163.36	163.04	162.40	162.08	154.405	154.405	154.085	154.405
79	6345	162.08	161.76	162.40	164.32	154.725	154.725	154.085	154.085
111	6505	161.76	161.44	161.76	161.76	154.405	153.766	154.405	154.725
143	6665	162.40	161.76	161.12	163.36	154.085	153.126	153.446	154.085
175	6825	161.76	162.72	162.40	161.76	154.085	153.766	154.725	154.405
207	6985	161.76	161.76	161.76	163.04	154.405	154.405	153.446	154.085

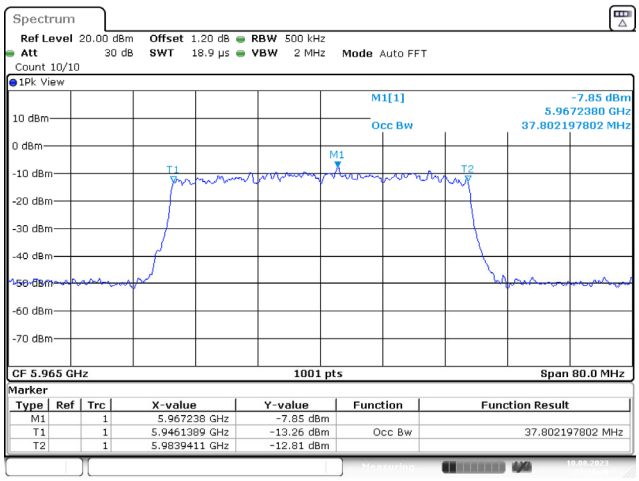
Spectrum plot of worst value (99% Occupied Bandwidth)



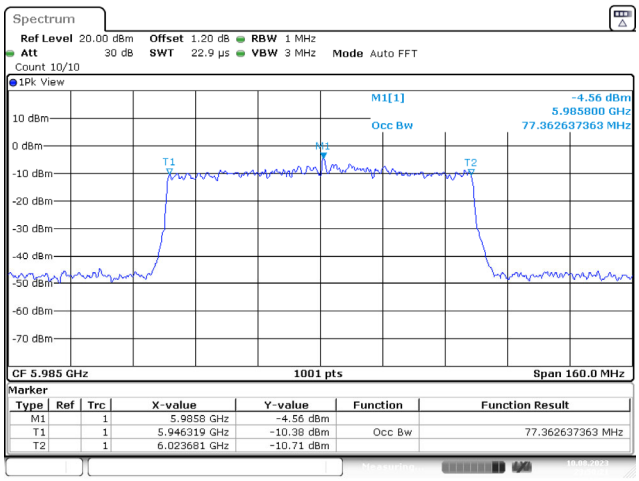
802.11a / 7095 MHz / Chain D



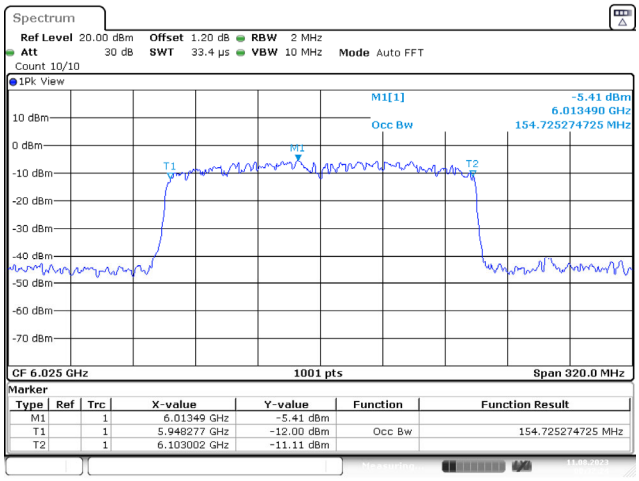
802.11ax20 / 6435 MHz / Chain D



802.11ax40 / 5965 MHz / Chain C



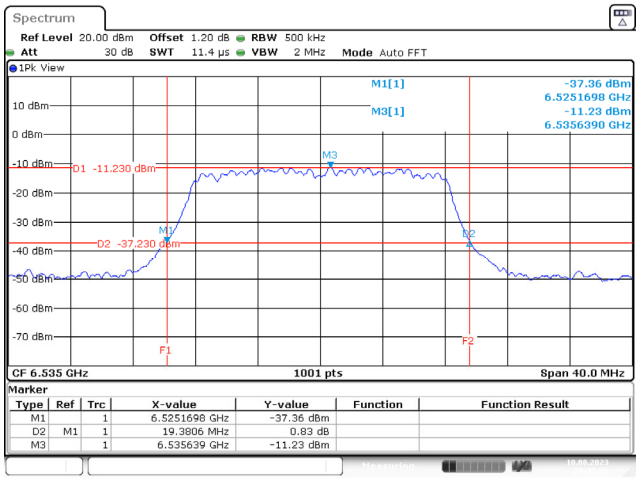
802.11ax80 / 5985 MHz / Chain B



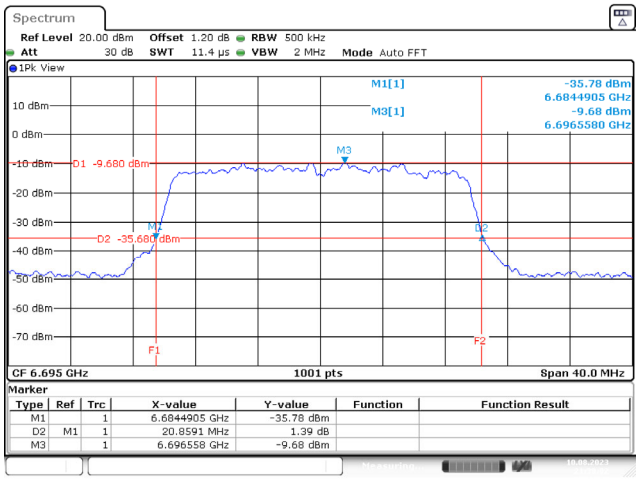
802.11ax160 / 6025 MHz / Chain D

NA

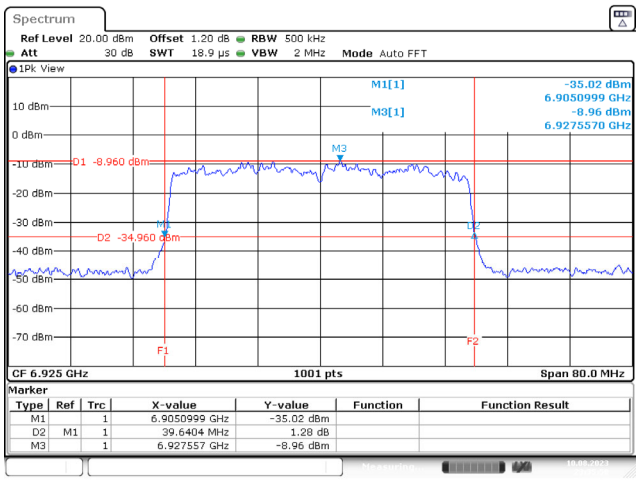
Spectrum plot of worst value (26dB Bandwidth)



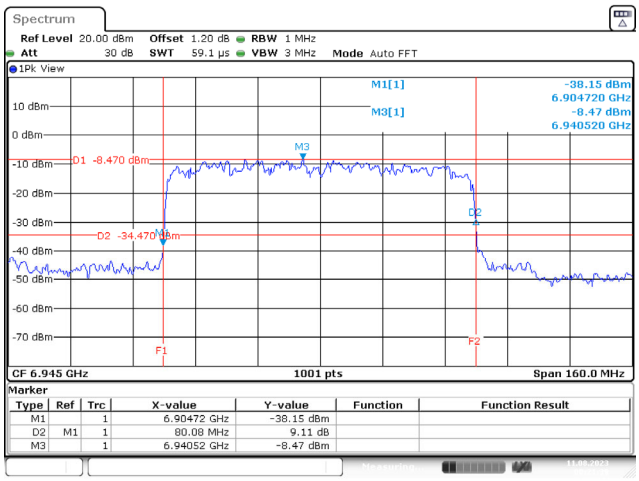
802.11a / 6535 MHz / Chain A



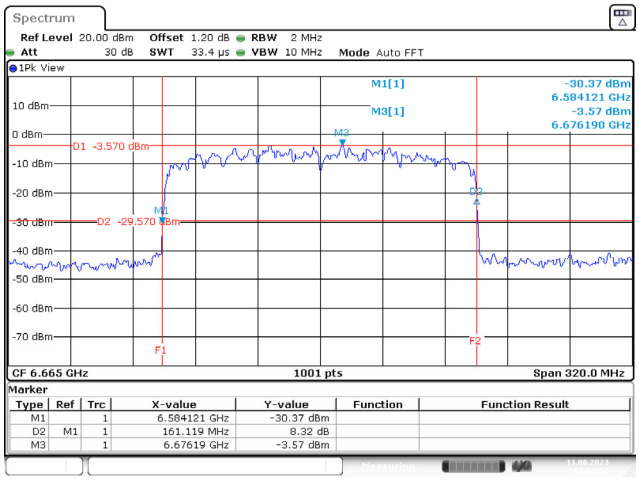
802.11ax20 / 6695 MHz / Chain B



802.11ax40 / 6925 MHz / Chain A



802.11ax80 / 6945 MHz / Chain C



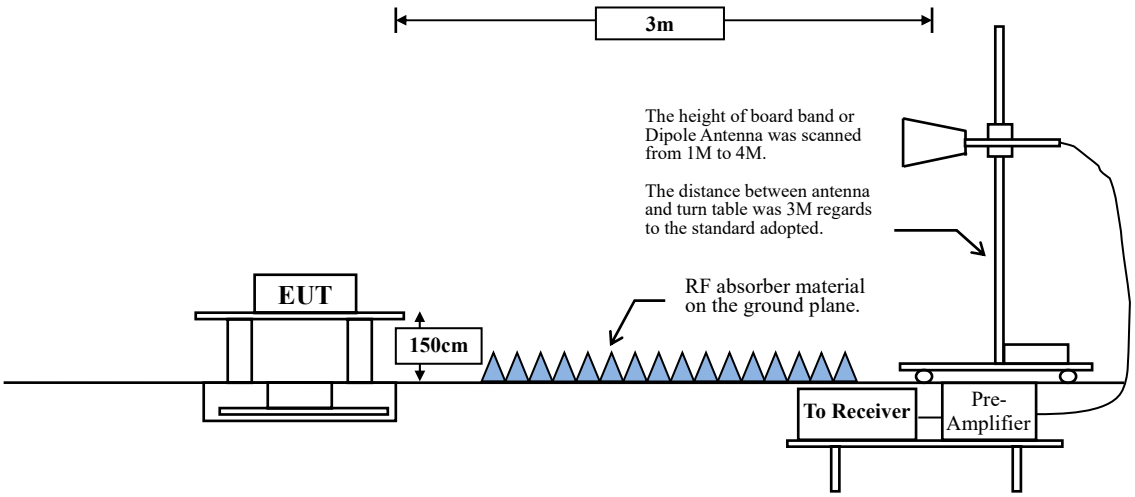
802.11ax160 / 6665 MHz / Chain C

NA

5. Transmit Output

5.1. Test Setup

Radiated Power Measurement



5.2. Limits

1. For the 5.925~6.425 GHz band:
   For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
   For indoor access point : e.i.r.p < 30 dBm.
   For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
   For client device control of a standard power access point : e.i.r.p < 30 dBm.
   For client device control of an indoor access point : e.i.r.p < 24 dBm.
2. For the 6.425~6.525 GHz band:
   For indoor access point : e.i.r.p < 30 dBm.
   For client device control of an indoor access point : e.i.r.p < 24 dBm.
3. For the 6.525~6.875 GHz band:
   For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
   For indoor access point : e.i.r.p < 30 dBm.
   For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
   For client device control of a standard power access point : e.i.r.p < 30 dBm.
   For client device control of an indoor access point : e.i.r.p < 24 dBm.
4. For the 6.87~7.125 GHz band:
   For indoor access point : e.i.r.p < 30 dBm.
   For client device control of an indoor access point : e.i.r.p < 24 dBm.

5.3. Test Procedure

1. The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 Method SA-2 for compliance to FCC CFR Title 47 Part 15 Subpart E requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground and the turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level.
3. Perform a field strength measuremrnt following ANSI C63.10 and record thr worse field strength value via spectrm reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then convert the measured field strength level to EIRP level.
4. Following ANSI C63.10 and KDB 412172 D01 v01r01,
   EIRP value (dBm) = Field strength value (dBμV/m) + Correction factor (dB) @3m
   Correction factor (dB) @3m = 20*log(3) -104.77 = -95.23dB

5.4. Test Result of Transmit Output

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11a)
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
1	5955	82.57	17.78	100.35	0.37	-95.23	5.49	24
45	6175	81.45	18.96	100.41	0.37	-95.23	5.55	24
93	6415	80.15	20.51	100.66	0.37	-95.23	5.80	24
97	6475	79.44	20.59	100.03	0.37	-95.23	5.17	24
105	6475	79.78	20.61	100.39	0.37	-95.23	5.53	24
113	6515	79.72	20.59	100.31	0.37	-95.23	5.45	24
117	6535	79.83	20.56	100.39	0.37	-95.23	5.53	24
149	6695	79.29	21.03	100.32	0.37	-95.23	5.46	24
181	6855	78.96	21.02	99.98	0.37	-95.23	5.12	24
185	6875	79.11	20.91	100.02	0.37	-95.23	5.16	24
189	6895	79.25	20.95	100.20	0.37	-95.23	5.34	24
213	7015	79.37	20.94	100.31	0.37	-95.23	5.45	24
229	7095	78.88	21.04	99.92	0.37	-95.23	5.06	24

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-20BW)
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
1	5955	82.29	17.78	100.07	0.97	-95.23	5.81	24
45	6175	80.97	18.96	99.93	0.97	-95.23	5.67	24
93	6415	79.61	20.51	100.12	0.97	-95.23	5.86	24
97	6475	79.41	20.59	100.00	0.97	-95.23	5.74	24
105	6475	79.51	20.61	100.12	0.97	-95.23	5.86	24
113	6515	79.59	20.59	100.18	0.97	-95.23	5.92	24
117	6535	79.69	20.56	100.25	0.97	-95.23	5.99	24
149	6695	78.92	21.03	99.95	0.97	-95.23	5.69	24
181	6855	78.76	21.02	99.78	0.97	-95.23	5.52	24
185	6875	78.48	20.91	99.39	0.97	-95.23	5.13	24
189	6895	78.62	20.95	99.57	0.97	-95.23	5.31	24
213	7015	78.84	20.94	99.78	0.97	-95.23	5.52	24
229	7095	78.45	21.04	99.49	0.97	-95.23	5.23	24

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-40BW)
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
3	5965	84.67	17.78	102.45	1.05	-95.23	8.27	24
51	6205	82.77	19.17	101.94	1.05	-95.23	7.76	24
91	6405	82.26	20.48	102.74	1.05	-95.23	8.56	24
99	6445	81.11	20.60	101.71	1.05	-95.23	7.53	24
107	6485	80.43	20.62	101.05	1.05	-95.23	6.87	24
115	6525	81.11	20.56	101.67	1.05	-95.23	7.49	24
123	6565	81.71	20.58	102.29	1.05	-95.23	8.11	24
155	6725	81.18	21.39	102.57	1.05	-95.23	8.39	24
179	6845	80.95	21.16	102.11	1.05	-95.23	7.93	24
187	6885	80.83	20.94	101.77	1.05	-95.23	7.59	24
195	6925	80.67	20.97	101.64	1.05	-95.23	7.46	24
211	7005	80.95	20.89	101.84	1.05	-95.23	7.66	24
227	7085	80.56	21.04	101.60	1.05	-95.23	7.42	24

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-80BW)
Test Date : 2023/07/19

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
7	5985	87.23	17.78	105.01	1.00	-95.23	10.78	24
55	6225	85.84	19.32	105.16	1.00	-95.23	10.93	24
87	6385	85.04	20.32	105.36	1.00	-95.23	11.13	24
103	6465	84.71	20.60	105.31	1.00	-95.23	11.08	24
119	6545	84.72	20.57	105.29	1.00	-95.23	11.06	24
135	6625	85.34	20.70	106.04	1.00	-95.23	11.81	24
151	6705	84.23	21.16	105.39	1.00	-95.23	11.16	24
167	6785	83.13	22.01	105.14	1.00	-95.23	10.91	24
183	6865	84.40	20.90	105.30	1.00	-95.23	11.07	24
199	6945	84.29	20.97	105.26	1.00	-95.23	11.03	24
215	7025	84.45	20.98	105.43	1.00	-95.23	11.20	24

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-160BW)
Test Date : 2023/07/19

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP (dBm)	EIRP Limit (dBm)
15	6025	89.65	17.91	107.56	1.02	-95.23	13.35	24
47	6185	88.94	19.03	107.97	1.02	-95.23	13.76	24
79	6345	88.62	19.99	108.61	1.02	-95.23	14.40	24
111	6505	87.72	20.63	108.35	1.02	-95.23	14.14	24
143	6665	87.37	20.89	108.26	1.02	-95.23	14.05	24
175	6825	86.16	21.45	107.61	1.02	-95.23	13.40	24
207	6985	87.05	20.91	107.96	1.02	-95.23	13.75	24

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-20BW)-Beamforming
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	EIRP (dBm)	EIRP Limit (dBm)
1	5955	5.81	24
45	6175	5.67	24
93	6415	5.86	24
97	6475	5.74	24
105	6475	5.86	24
113	6515	5.92	24
117	6535	5.99	24
149	6695	5.69	24
181	6855	5.52	24
185	6875	5.13	24
189	6895	5.31	24
213	7015	5.52	24
229	7095	5.23	24

Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-40BW)-Beamforming
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	EIRP (dBm)	EIRP Limit (dBm)
3	5965	8.27	24
51	6205	7.76	24
91	6405	8.56	24
99	6445	7.53	24
107	6485	6.87	24
115	6525	7.49	24
123	6565	8.11	24
155	6725	8.39	24
179	6845	7.93	24
187	6885	7.59	24
195	6925	7.46	24
211	7005	7.66	24
227	7085	7.42	24

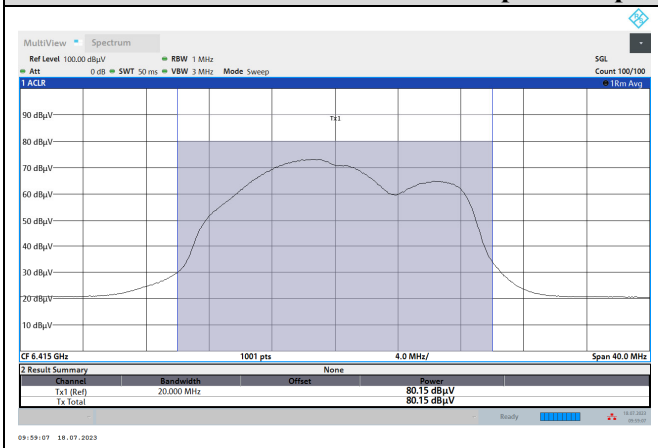
Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-80BW)-Beamforming
Test Date : 2023/07/19

Channel No.	Frequency (MHz)	EIRP (dBm)	EIRP Limit (dBm)
7	5985	10.78	24
55	6225	10.93	24
87	6385	11.13	24
103	6465	11.08	24
119	6545	11.06	24
135	6625	11.81	24
151	6705	11.16	24
167	6785	10.91	24
183	6865	11.07	24
199	6945	11.03	24
215	7025	11.20	24

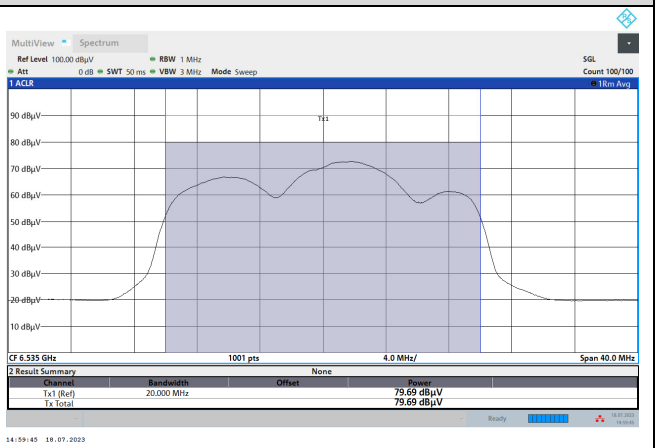
Product : Wi-Fi 6/6E Sensor
Test Item : Transmit Output
Test Mode : Transmit (802.11ax-160BW)-Beamforming
Test Date : 2023/07/19

Channel No.	Frequency (MHz)	EIRP (dBm)	EIRP Limit (dBm)
15	6025	13.35	24
47	6185	13.76	24
79	6345	14.40	24
111	6505	14.14	24
143	6665	14.05	24
175	6825	13.40	24
207	6985	13.75	24

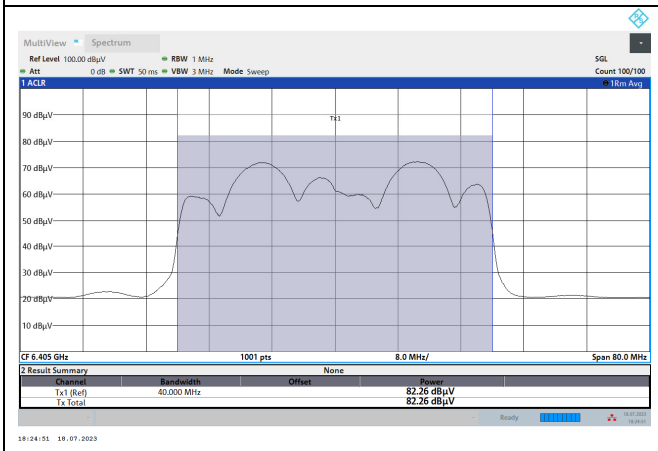
Spectrum plot of worst value



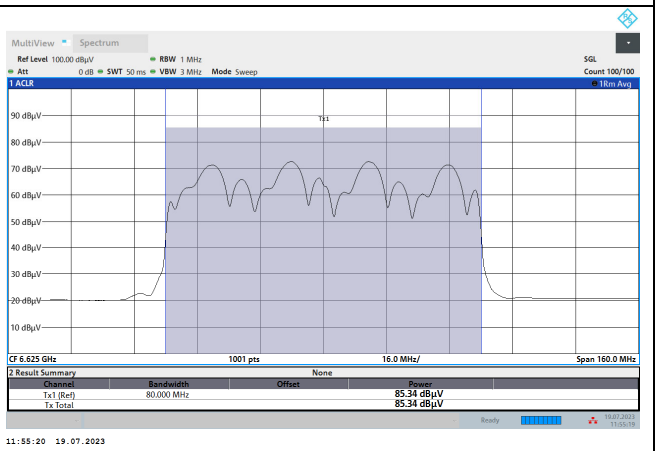
802.11a / 6415 MHz



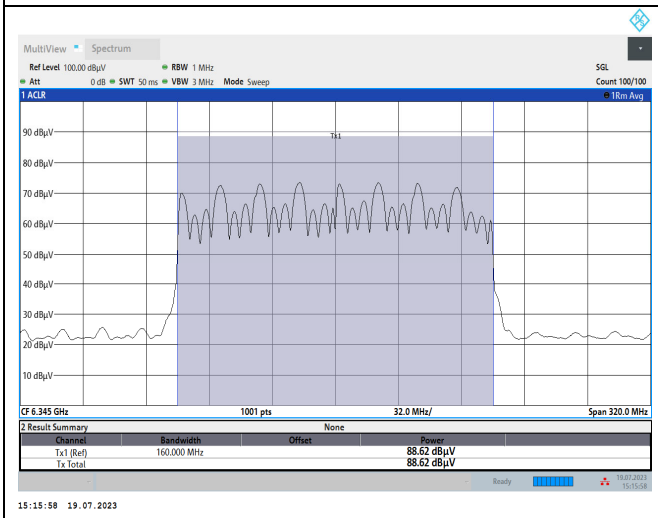
802.11ax20 / 6535 MHz



802.11ax40 / 6405 MHz



802.11ax80 / 6625 MHz



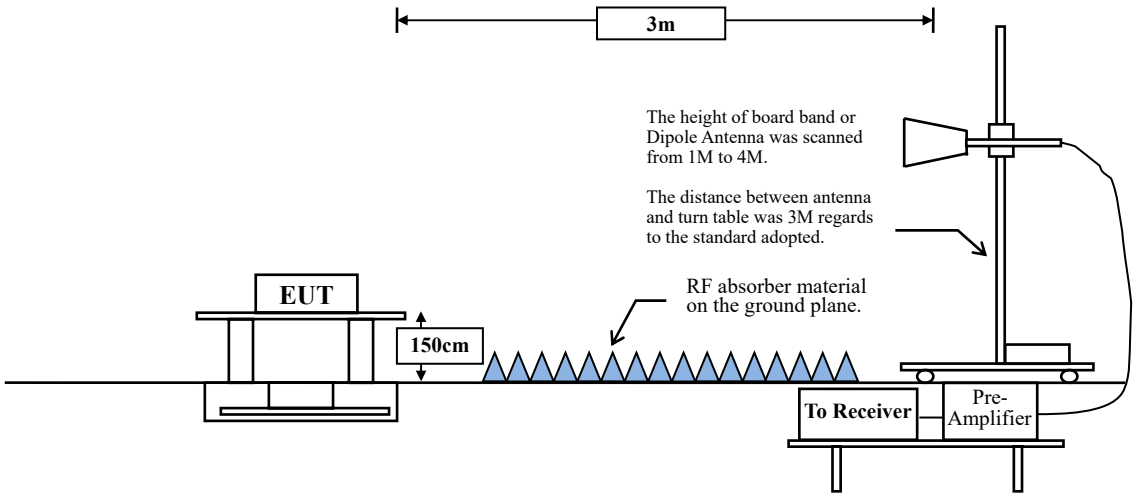
802.11ax160 / 6345 MHz

NA

6. Maximun Power Spectrum Density

6.1. Test Setup

Radiated PSD Measurement



6.2. Limits

1. For the 5.925~6.425 GHz band:
   For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
   For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
   For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
   For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
   For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
2. For the 6.425~6.525 GHz band:
   For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
   For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
3. For the 6.525~6.875 GHz band:
   For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
   For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
   For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
   For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
   For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
4. For the 6.875~7.125 GHz band:
   For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
   For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.

6.3. Test Procedure

1. The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033 D02 v02r01 Method SA-2 for compliance to FCC CFR Title 47 Part 15 Subpart E requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground and the turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level.
3. Perform a field strength measuremrnt following ANSI C63.10 and record thr worse field strength value via spectrm reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then convert the measured field strength level to EIRP level.
4. Following ANSI C63.10 and KDB 412172 D01 v01r01,
   EIRP value (dBm) = Field strength value (dBμV/m) + Correction factor (dB) @3m
   Correction factor (dB) @3m = 20*log(3) -104.77 = -95.23dB

6.4. Test Result of Maximun Power Spectral Density

Product : Wi-Fi 6/6E Sensor
Test Item : Maximun Power Spectral Density
Test Mode : Transmit (802.11a)
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm)	EIRP PSD Limit (dBm)
1	5955	76.06	17.78	93.84	0.37	-95.23	-1.02	-1
45	6175	74.86	18.96	93.82	0.37	-95.23	-1.04	-1
93	6415	73.28	20.51	93.79	0.37	-95.23	-1.07	-1
97	6435	73.10	20.59	93.69	0.37	-95.23	-1.17	-1
105	6475	73.22	20.61	93.83	0.37	-95.23	-1.03	-1
113	6515	73.25	20.59	93.84	0.37	-95.23	-1.02	-1
117	6535	73.21	20.56	93.77	0.37	-95.23	-1.09	-1
149	6695	72.80	21.03	93.83	0.37	-95.23	-1.03	-1
181	6855	72.70	21.02	93.72	0.37	-95.23	-1.14	-1
185	6875	72.72	20.91	93.63	0.37	-95.23	-1.23	-1
189	6895	72.84	20.95	93.79	0.37	-95.23	-1.07	-1
213	7015	72.80	20.94	93.74	0.37	-95.23	-1.12	-1
229	7095	72.64	21.04	93.68	0.37	-95.23	-1.18	-1

Product : Wi-Fi 6/6E Sensor
Test Item : Maximun Power Spectral Density
Test Mode : Transmit (802.11ax-20BW)
Test Date : 2023/07/18

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm)	EIRP PSD Limit (dBm)
1	5955	75.41	17.78	93.19	0.97	-95.23	-1.07	-1
45	6175	74.28	18.96	93.24	0.97	-95.23	-1.02	-1
93	6415	72.71	20.51	93.22	0.97	-95.23	-1.04	-1
97	6435	72.65	20.59	93.24	0.97	-95.23	-1.02	-1
105	6475	72.58	20.61	93.19	0.97	-95.23	-1.07	-1
113	6515	72.49	20.59	93.08	0.97	-95.23	-1.18	-1
117	6535	72.69	20.56	93.25	0.97	-95.23	-1.01	-1
149	6695	72.17	21.03	93.20	0.97	-95.23	-1.06	-1
181	6855	72.21	21.02	93.23	0.97	-95.23	-1.03	-1
185	6875	72.17	20.91	93.08	0.97	-95.23	-1.18	-1
189	6895	72.22	20.95	93.17	0.97	-95.23	-1.09	-1
213	7015	72.21	20.94	93.15	0.97	-95.23	-1.11	-1
229	7095	72.06	21.04	93.10	0.97	-95.23	-1.16	-1

Product : Wi-Fi 6/6E Sensor
Test Item : Maximun Power Spectral Density
Test Mode : Transmit (802.11ax-40BW)
Test Date : 2023/07/18

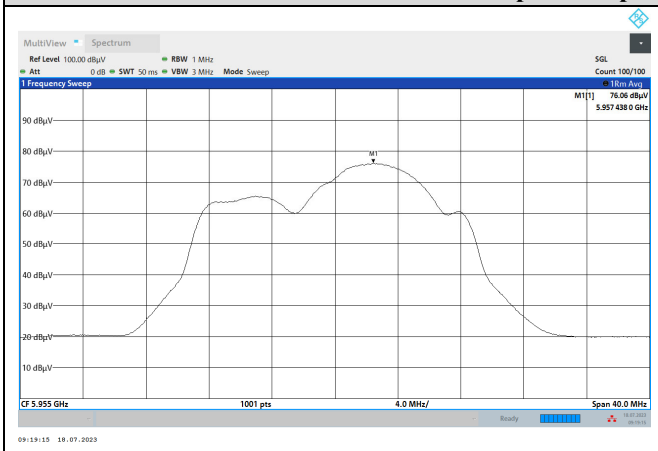
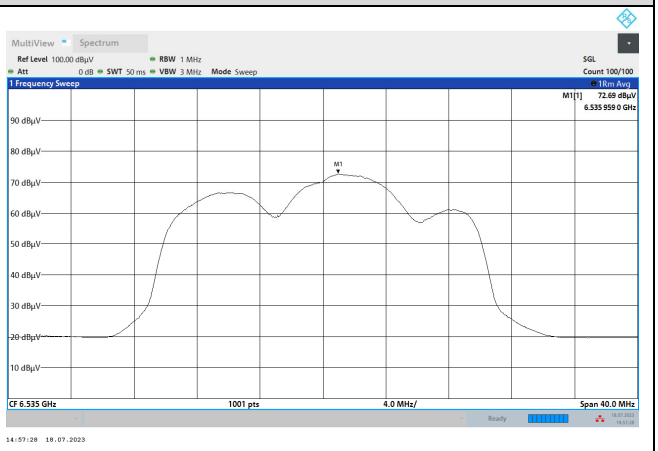
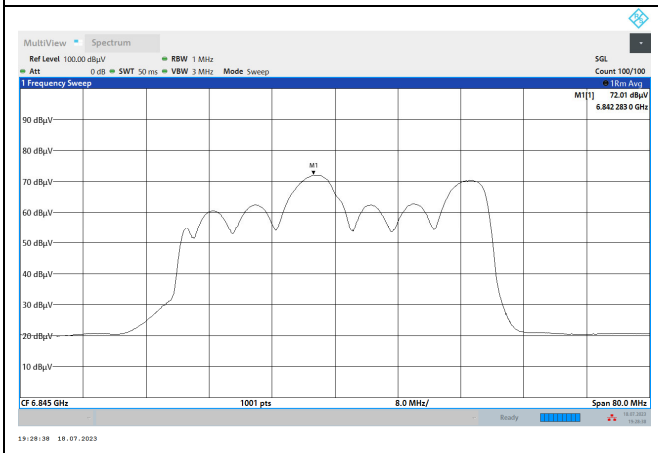
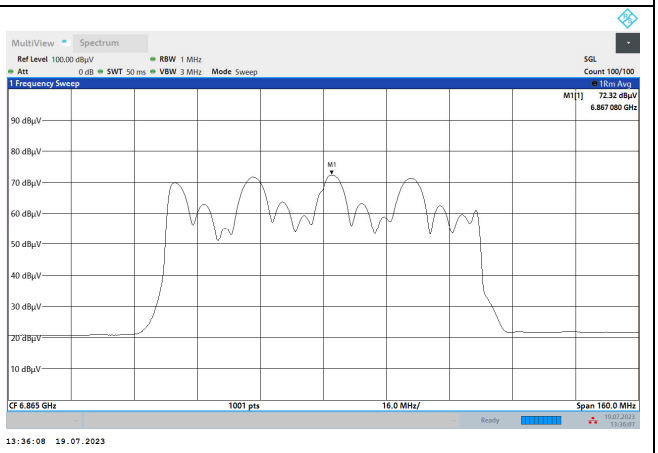
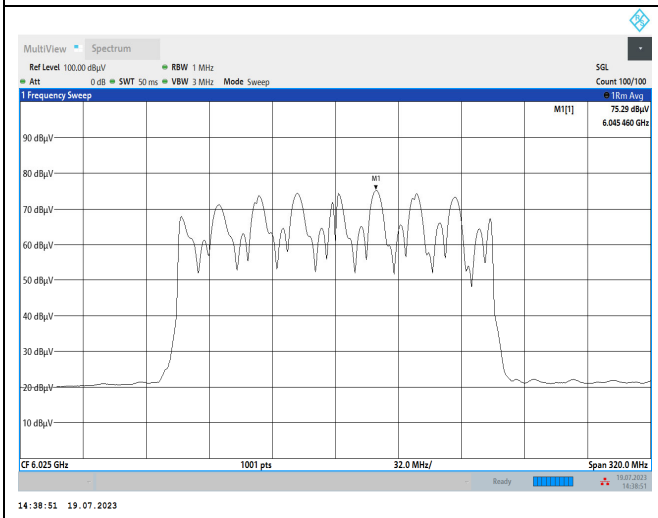
Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm)	EIRP PSD Limit (dBm)
3	5965	75.33	17.78	93.11	1.05	-95.23	-1.07	-1
51	6205	73.93	19.17	93.10	1.05	-95.23	-1.08	-1
91	6405	72.52	20.48	93.00	1.05	-95.23	-1.18	-1
99	6445	72.55	20.60	93.15	1.05	-95.23	-1.03	-1
107	6485	72.53	20.62	93.15	1.05	-95.23	-1.03	-1
115	6525	72.57	20.56	93.13	1.05	-95.23	-1.05	-1
123	6565	72.54	20.58	93.12	1.05	-95.23	-1.06	-1
155	6725	71.75	21.39	93.14	1.05	-95.23	-1.04	-1
179	6845	72.01	21.16	93.17	1.05	-95.23	-1.01	-1
187	6885	72.03	20.94	92.97	1.05	-95.23	-1.21	-1
195	6925	72.07	20.97	93.04	1.05	-95.23	-1.14	-1
211	7005	72.25	20.89	93.14	1.05	-95.23	-1.04	-1
227	7085	72.02	21.04	93.06	1.05	-95.23	-1.12	-1

Product : Wi-Fi 6/6E Sensor
Test Item : Maximun Power Spectral Density
Test Mode : Transmit (802.11ax-80BW)
Test Date : 2023/07/19

Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm)	EIRP PSD Limit (dBm)
7	5985	75.38	17.78	93.16	1.00	-95.23	-1.07	-1
55	6225	73.87	19.32	93.19	1.00	-95.23	-1.04	-1
87	6385	72.82	20.32	93.14	1.00	-95.23	-1.09	-1
103	6465	72.61	20.60	93.21	1.00	-95.23	-1.02	-1
119	6545	72.56	20.57	93.13	1.00	-95.23	-1.10	-1
135	6625	72.47	20.70	93.17	1.00	-95.23	-1.06	-1
151	6705	72.04	21.16	93.20	1.00	-95.23	-1.03	-1
167	6785	71.20	22.01	93.21	1.00	-95.23	-1.02	-1
183	6865	72.32	20.90	93.22	1.00	-95.23	-1.01	-1
199	6945	72.24	20.97	93.21	1.00	-95.23	-1.02	-1
215	7025	72.19	20.98	93.17	1.00	-95.23	-1.06	-1

Product : Wi-Fi 6/6E Sensor
Test Item : Maximun Power Spectral Density
Test Mode : Transmit (802.11ax-160BW)
Test Date : 2023/08/11

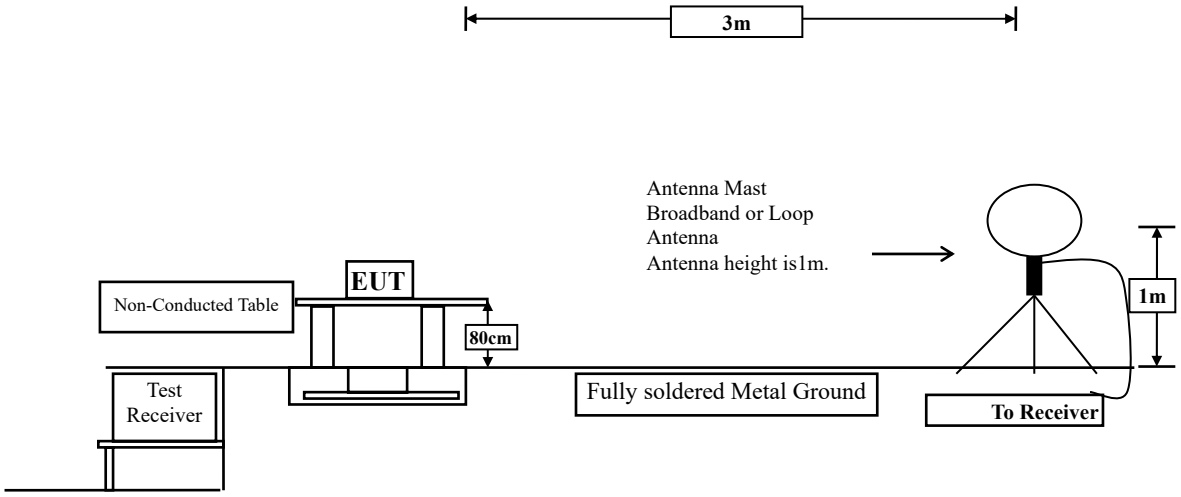
Channel No.	Frequency (MHz)	Reading Level (dBμV/m)	Path Loss (dB)	Field Strength (dBμV/m)	Duty Factor (dB)	Correction Factor (dB)	EIRP PSD (dBm)	EIRP PSD Limit (dBm)
15	6025	75.29	17.91	93.20	1.02	-95.23	-1.01	-1
47	6185	74.15	19.03	93.18	1.02	-95.23	-1.03	-1
79	6345	73.21	19.99	93.20	1.02	-95.23	-1.01	-1
111	6505	72.52	20.63	93.15	1.02	-95.23	-1.06	-1
143	6665	72.25	20.89	93.14	1.02	-95.23	-1.07	-1
175	6825	71.73	21.45	93.18	1.02	-95.23	-1.03	-1
207	6985	72.23	20.91	93.14	1.02	-95.23	-1.07	-1

Spectrum plot of worst value	
	
802.11a / 5955 MHz	802.11ax20 / 6535 MHz
	
802.11ax40 / 6845 MHz	802.11ax80 / 6865 MHz
	NA
802.11ax160 / 6025 MHz	

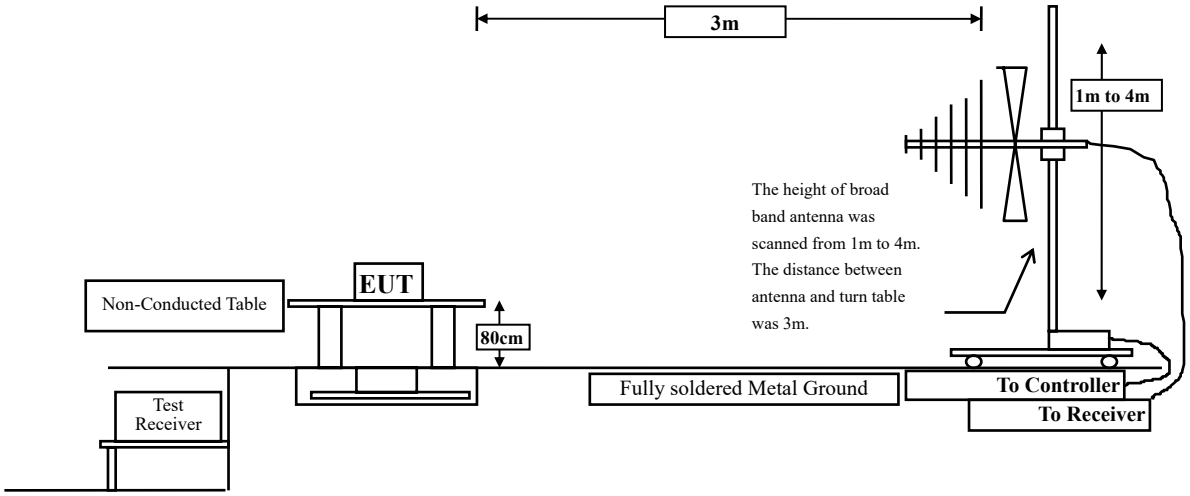
7. Radiated Emission

7.1. Test Setup

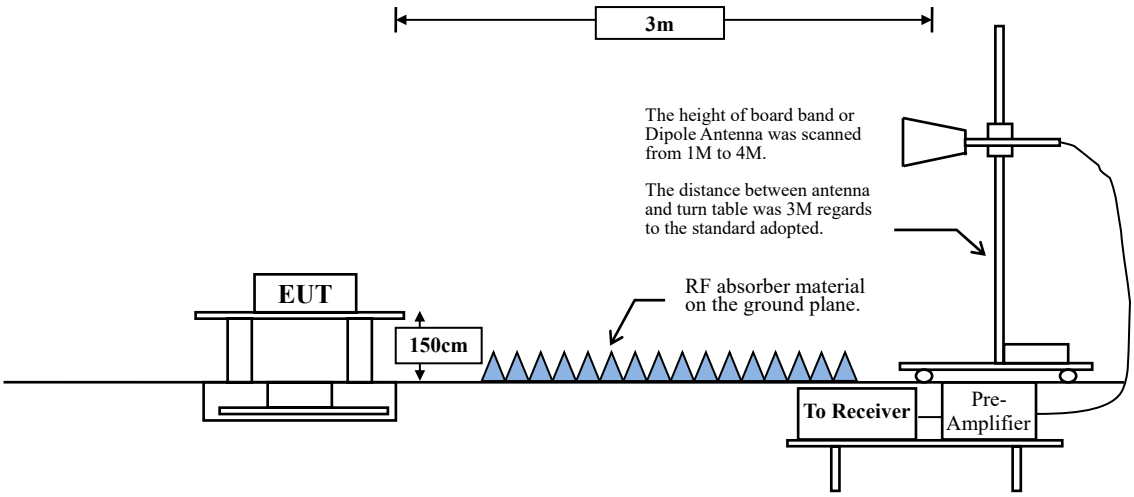
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



7.2. Limits

General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission Limits specified in Section 15.209:

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBµV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBµV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter Limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Unwanted Emission out of the restricted bands Limits

FCC CFR Title 47 Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBµV/m@3m)
5925 MHz > F 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

The following for mula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ uV/m, where P is the eirp (Watts).

7.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

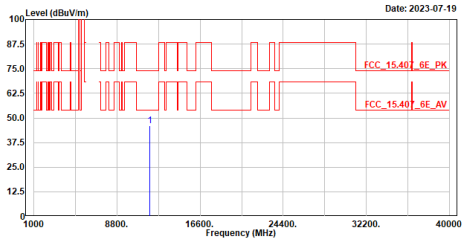
The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field dtrength of harmonics measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harmonics and included The frequency range from the lowest oscillator frequency generated within the device up to the 10th harmonic was checked is checked.

7.4. Test Result of Radiated Emissions

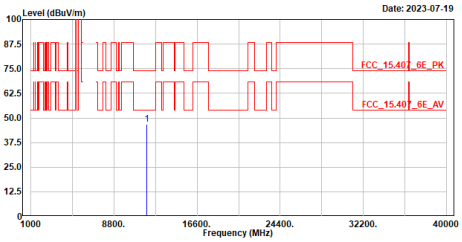
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_5955MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11910.000	46.19	74.00	-27.81	47.56	-1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

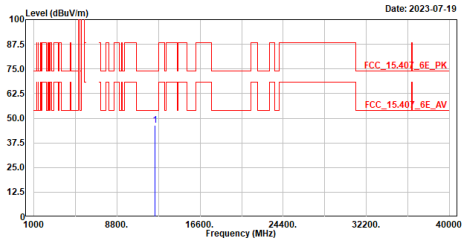
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_5955MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11910.000	46.90	74.00	-27.10	48.27	-1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

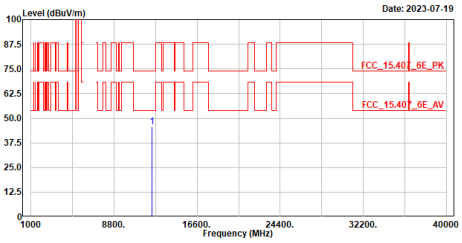
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6175MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12350.000	46.34	74.00	-27.66	46.88	-0.54	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

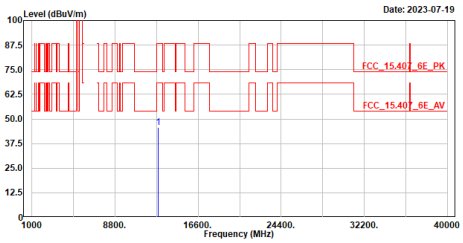
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6175MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12350.000	45.72	74.00	-28.28	46.26	-0.54	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

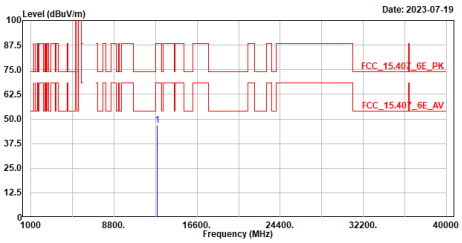
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6415MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12830.000	45.55	88.22	-42.67	45.02	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

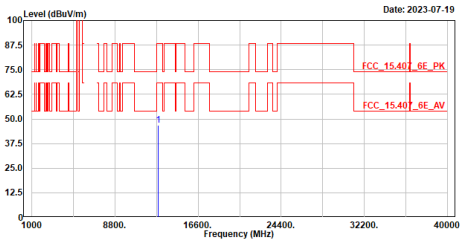
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6415MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12830.000	46.82	88.22	-41.40	46.29	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

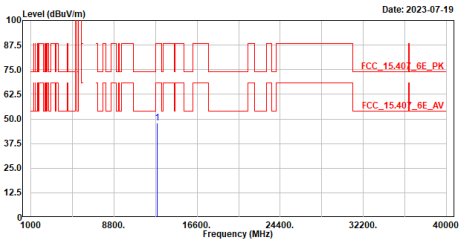
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6435MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12870.000	46.87	88.22	-41.35	46.31	0.56	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

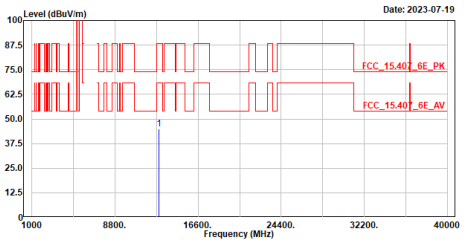
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6435MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12870.000	47.77	88.22	-40.45	47.21	0.56	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

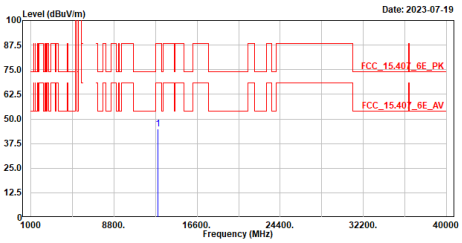
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6475MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12950.000	45.06	88.22	-43.16	44.56	0.50	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

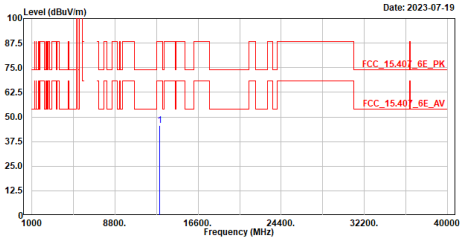
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6475MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12950.000	44.77	88.22	-43.45	44.27	0.50	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

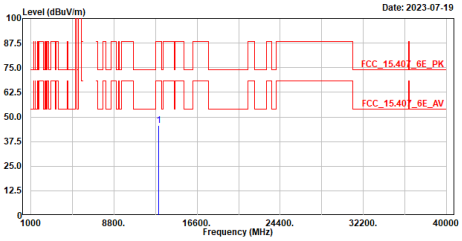
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6515MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13030.000	45.78	88.22	-42.44	45.34	0.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

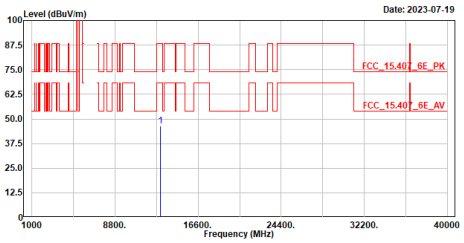
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6515MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13030.000	45.66	88.22	-42.56	45.22	0.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

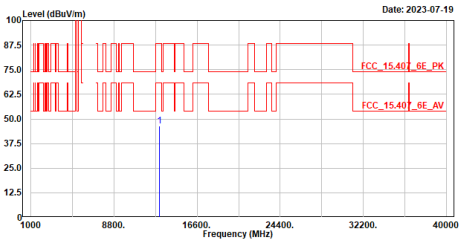
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6535MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13070.000	46.43	88.22	-41.79	45.90	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

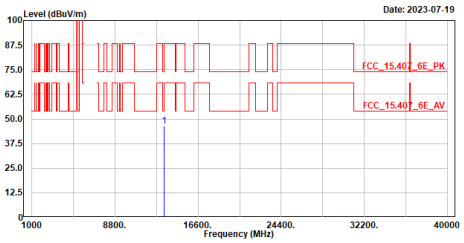
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6535MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13070.000	46.27	88.22	-41.95	45.74	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

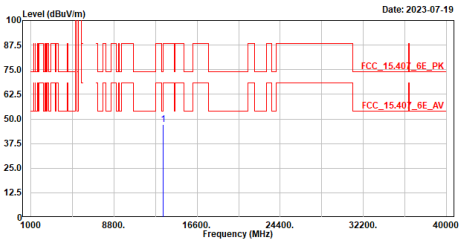
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6695MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13390.000	46.53	74.00	-27.47	45.33	1.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

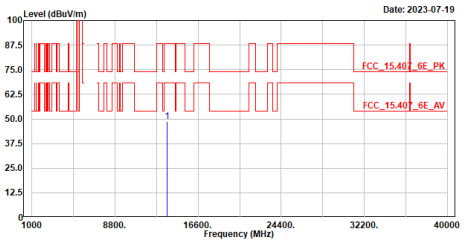
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6695MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13390.000	47.03	74.00	-26.97	45.83	1.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

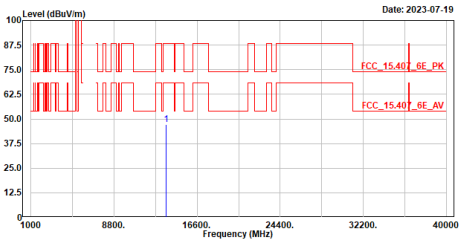
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6855MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13710.000	48.52	88.22	-39.70	47.49	1.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

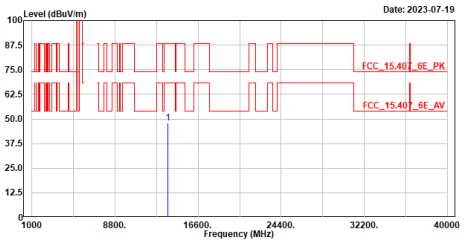
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6855MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13710.000	47.07	88.22	-41.15	46.04	1.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

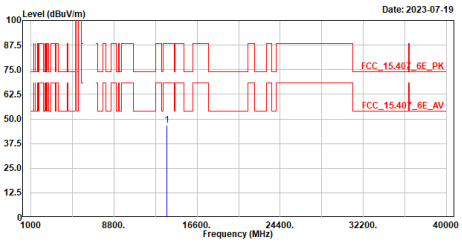
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6875MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13750.000	47.89	88.22	-40.33	46.82	1.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

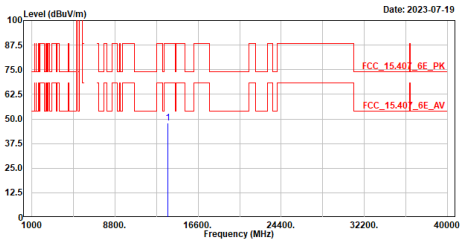
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6875MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13750.000	46.86	88.22	-41.36	45.79	1.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

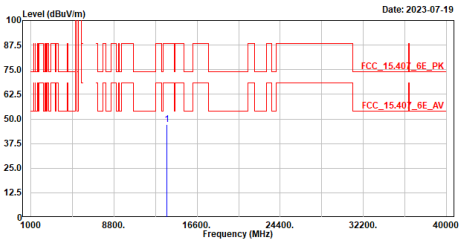
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_6895MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13790.000	47.87	88.22	-40.35	46.56	1.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

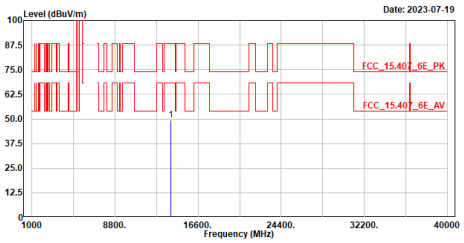
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_6895MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13790.000	46.99	88.22	-41.23	45.68	1.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

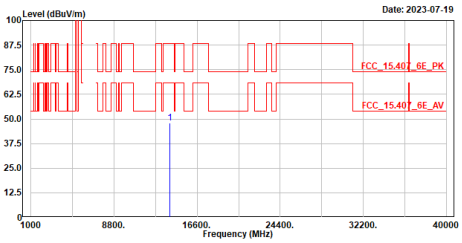
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_7015MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14030.000	49.49	88.22	-38.73	48.28	1.21	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

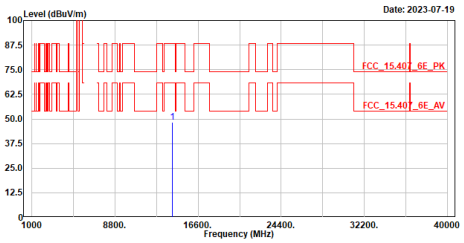
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_7015MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14030.000	47.80	88.22	-40.42	46.59	1.21	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

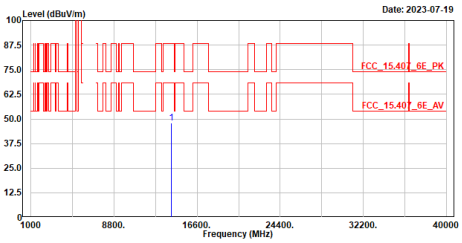
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_a_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14190.000	48.16	88.22	-40.06	46.79	1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

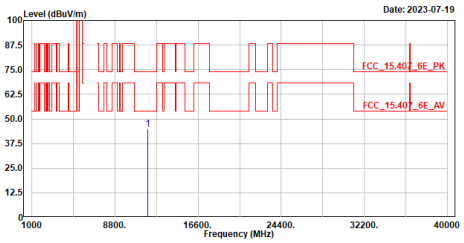
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_a_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14190.000	47.89	88.22	-40.33	46.52	1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

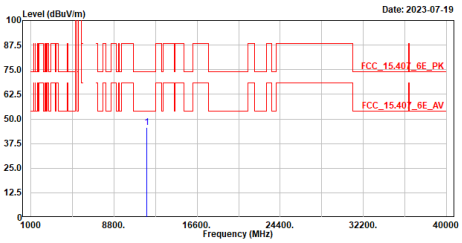
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_5955MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11910.000	44.90	74.00	-29.10	46.27	-1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

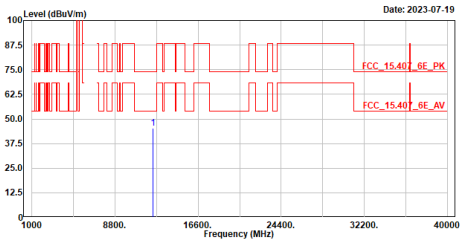
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_5955MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11910.000	45.55	74.00	-28.45	46.92	-1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

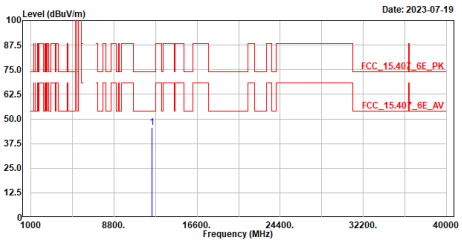
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6175MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12350.000	45.35	74.00	-28.65	45.89	-0.54	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

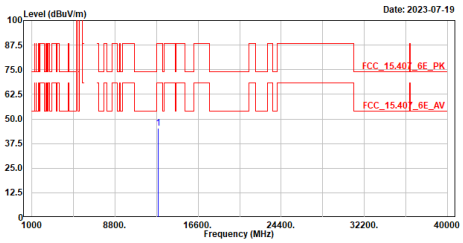
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6175MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12350.000	45.62	74.00	-28.38	46.16	-0.54	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

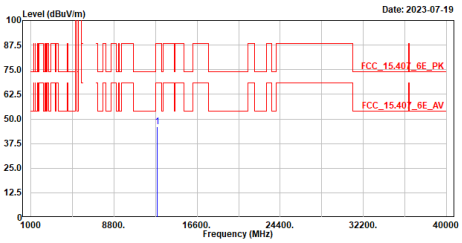
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6415MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12830.000	45.47	88.22	-42.75	44.94	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

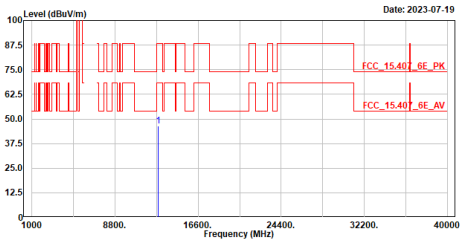
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6415MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12830.000	46.05	88.22	-42.17	45.52	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

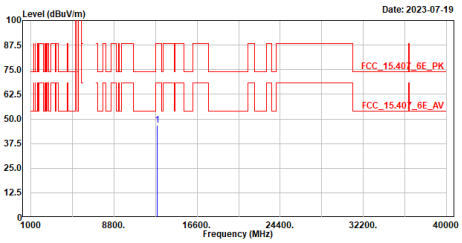
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6435MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12870.000	46.41	88.22	-41.81	45.85	0.56	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

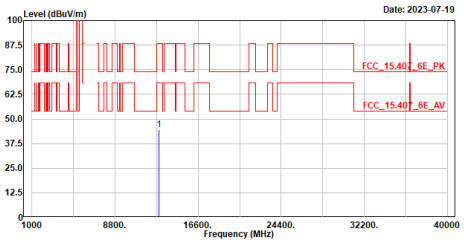
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6435MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12870.000	46.70	88.22	-41.52	46.14	0.56	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

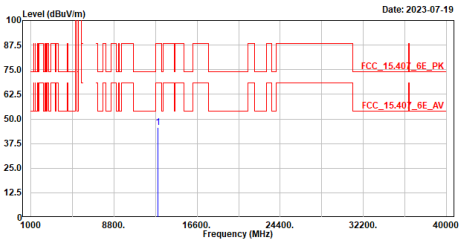
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6475MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12950.000	44.35	88.22	-43.87	43.85	0.50	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

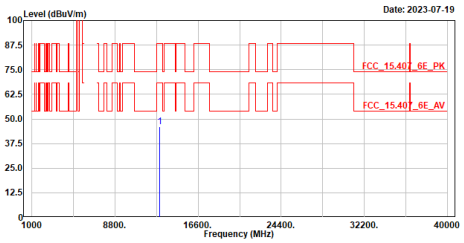
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6475MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12950.000	45.62	88.22	-42.60	45.12	0.50	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

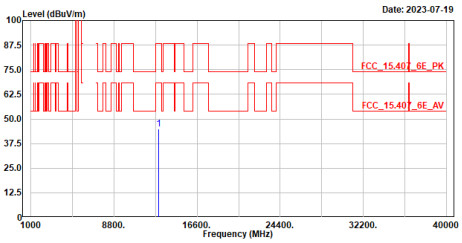
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6515MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13030.000	45.89	88.22	-42.33	45.45	0.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

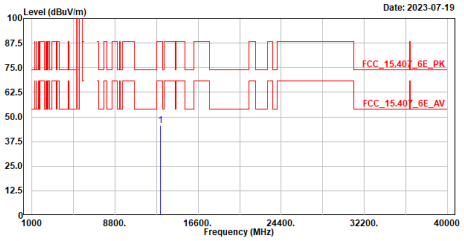
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6515MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13030.000	45.07	88.22	-43.15	44.63	0.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

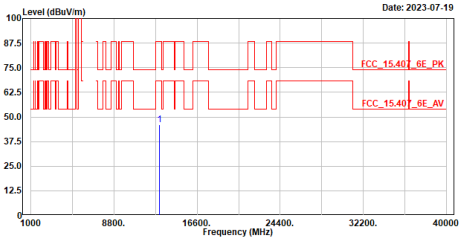
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6535MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13070.000	45.65	88.22	-42.57	45.12	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

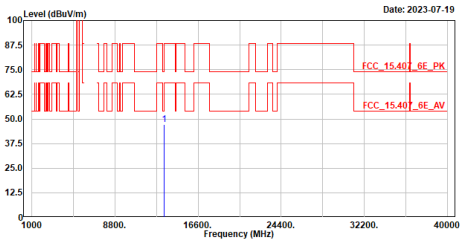
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6535MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13070.000	46.10	88.22	-42.12	45.57	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

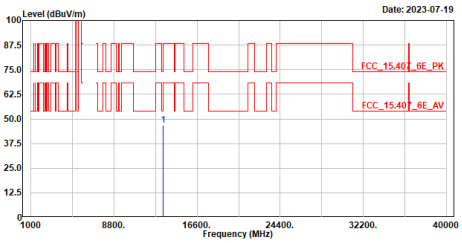
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6695MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13390.000	47.02	74.00	-26.98	45.82	1.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

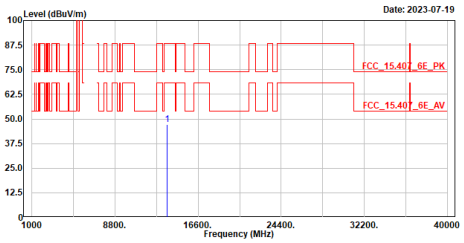
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6695MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13390.000	46.70	74.00	-27.30	45.50	1.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

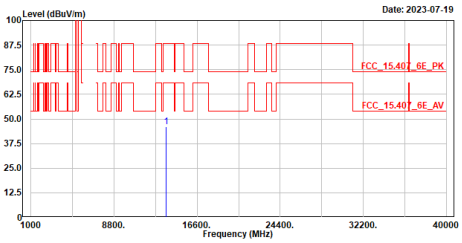
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6855MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13710.000	47.11	88.22	-41.11	46.08	1.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

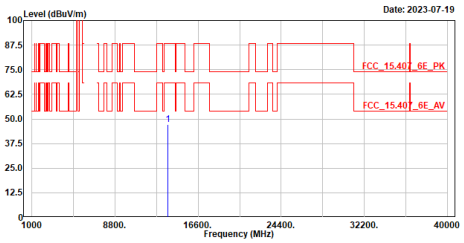
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6855MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13710.000	46.07	88.22	-42.15	45.04	1.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

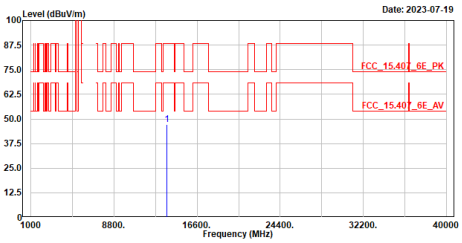
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6875MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13750.000	47.29	88.22	-40.93	46.22	1.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

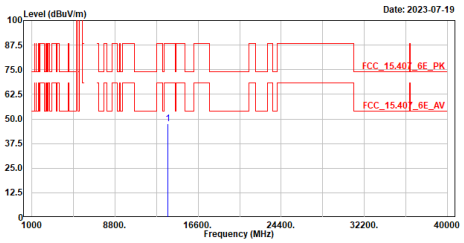
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6875MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13750.000	47.32	88.22	-40.90	46.25	1.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

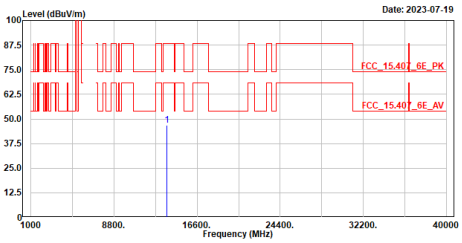
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_6895MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13790.000	47.44	88.22	-40.78	46.13	1.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

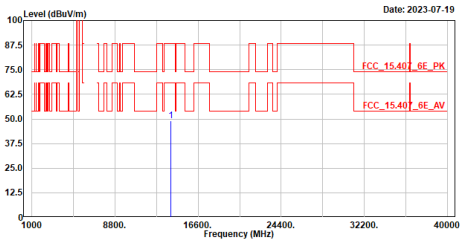
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_6895MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13790.000	46.92	88.22	-41.30	45.61	1.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

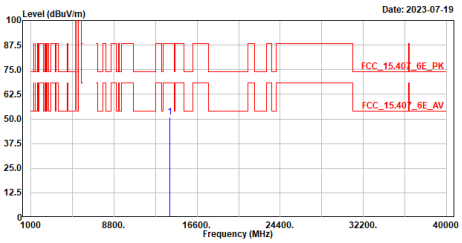
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_7015MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14030.000	48.94	88.22	-39.28	47.73	1.21	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

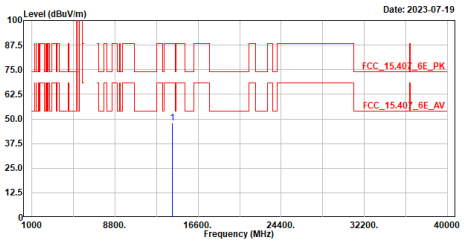
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_7015MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14030.000	50.91	88.22	-37.31	49.70	1.21	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

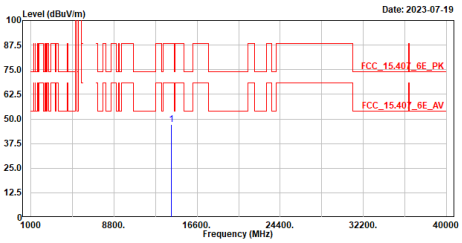
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax20_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14190.000	48.11	88.22	-40.11	46.74	1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

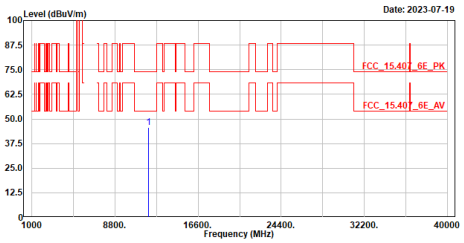
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax20_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14190.000	47.18	88.22	-41.04	45.81	1.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

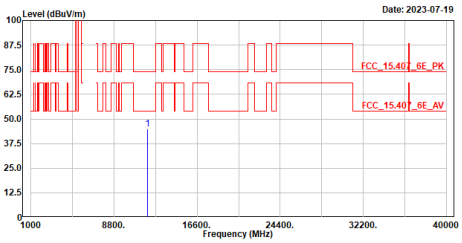
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_5965MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11930.000	45.78	74.00	-28.22	46.99	-1.21	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

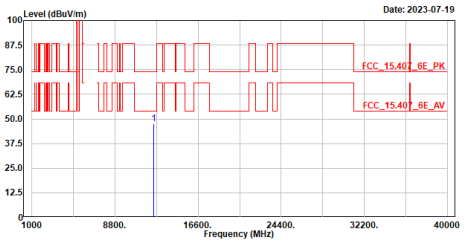
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_5965MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11930.000	45.05	74.00	-28.95	46.26	-1.21	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

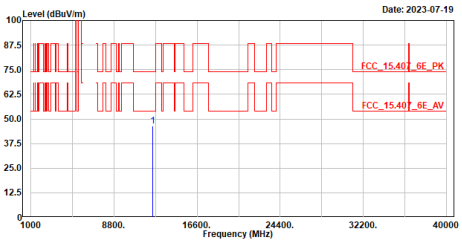
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6205MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12410.000	47.41	74.00	-26.59	47.72	-0.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

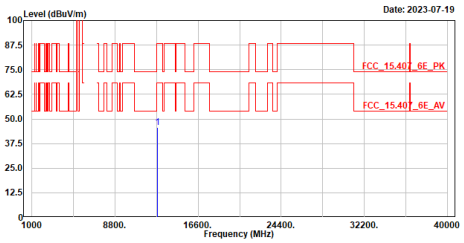
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6205MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12410.000	46.39	74.00	-27.61	46.70	-0.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

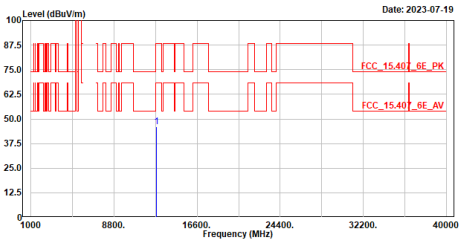
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6405MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12810.000	45.75	88.22	-42.47	45.24	0.51	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

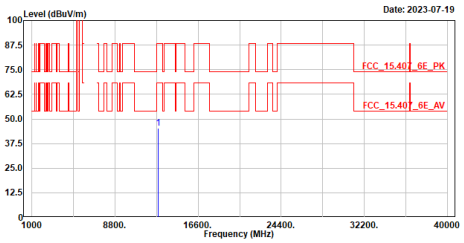
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6405MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12810.000	46.03	88.22	-42.19	45.52	0.51	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

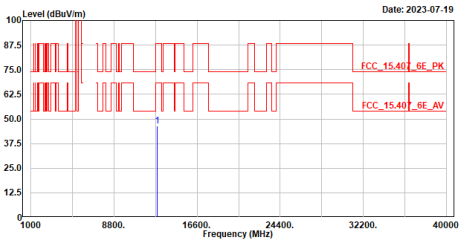
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6445MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12890.000	45.30	88.22	-42.92	44.77	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

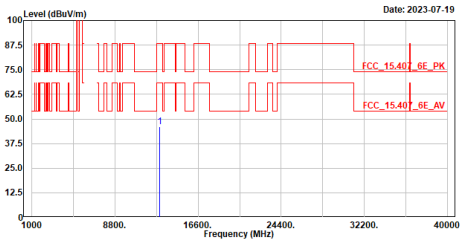
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6445MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12890.000	46.25	88.22	-41.97	45.72	0.53	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

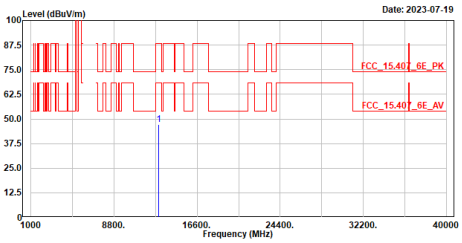
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6485MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12970.000	46.04	88.22	-42.18	45.59	0.45	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

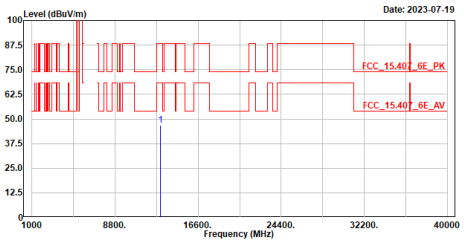
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6485MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12970.000	47.30	88.22	-40.92	46.85	0.45	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

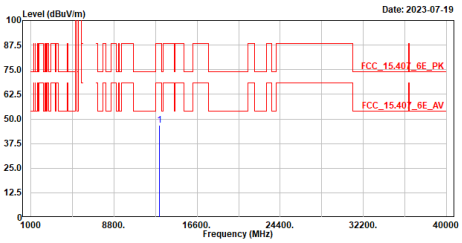
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6525MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13050.000	46.61	88.22	-41.61	46.15	0.46	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

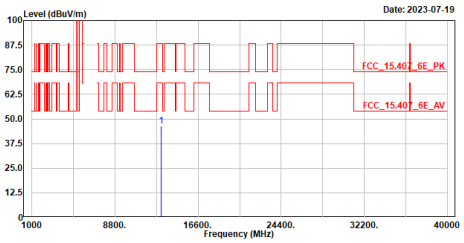
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6525MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13050.000	46.65	88.22	-41.57	46.19	0.46	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

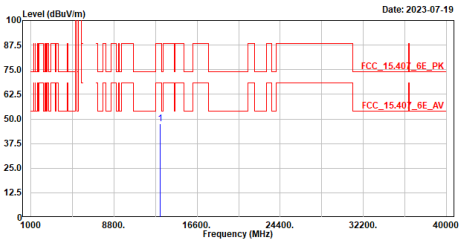
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6565MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13130.000	46.39	88.22	-41.83	45.63	0.76	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

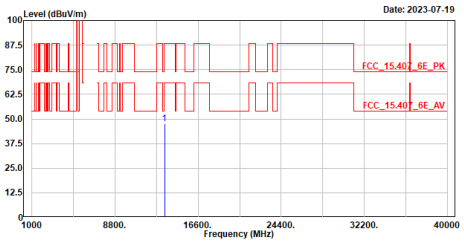
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6565MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13130.000	47.57	88.22	-40.65	46.81	0.76	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

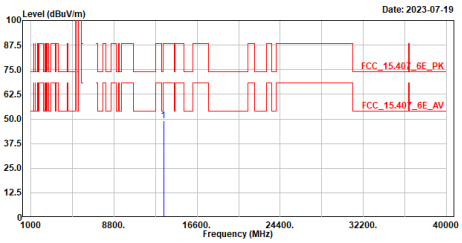
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6725MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13450.000	47.68	88.22	-40.54	46.57	1.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

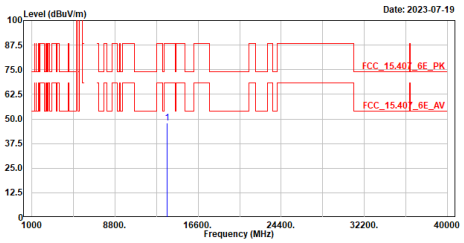
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6725MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13450.000	48.97	88.22	-39.25	47.86	1.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

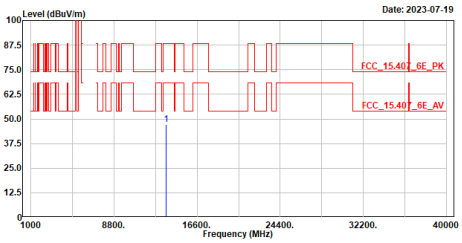
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6845MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13690.000	47.76	88.22	-40.46	46.73	1.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

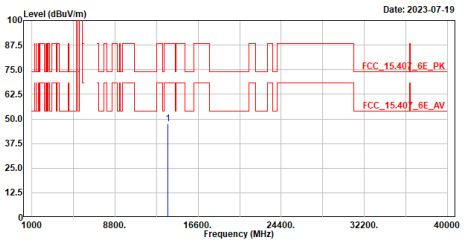
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6845MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13690.000	47.11	88.22	-41.11	46.08	1.03	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

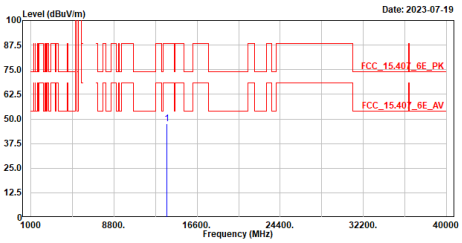
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6885MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13770.000	47.49	88.22	-40.73	46.29	1.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

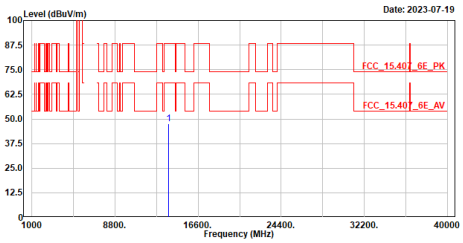
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6885MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13770.000	47.53	88.22	-40.69	46.33	1.20	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

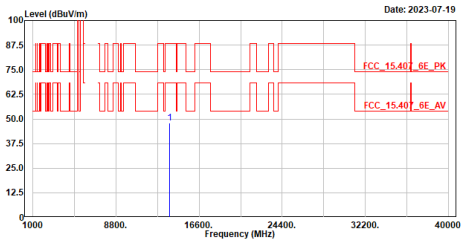
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_6925MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13850.000	47.39	88.22	-40.83	46.04	1.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

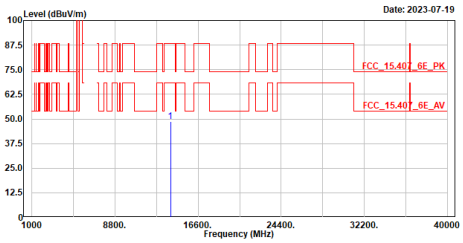
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_6925MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13850.000	47.93	88.22	-40.29	46.58	1.35	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

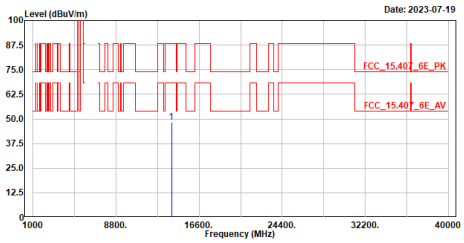
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_7005MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14010.000	48.80	88.22	-39.42	47.50	1.30	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

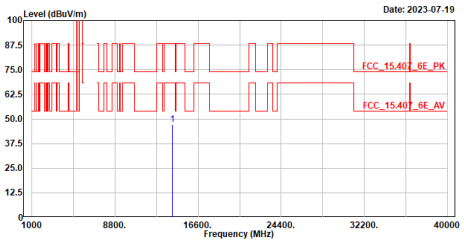
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_7005MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14010.000	48.35	88.22	-39.87	47.05	1.30	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

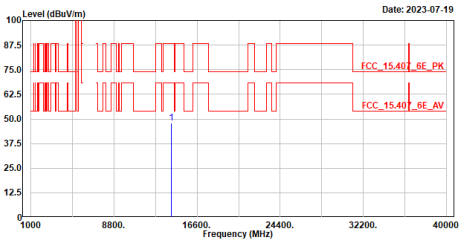
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax40_7085MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14170.000	47.05	88.22	-41.17	45.67	1.38	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

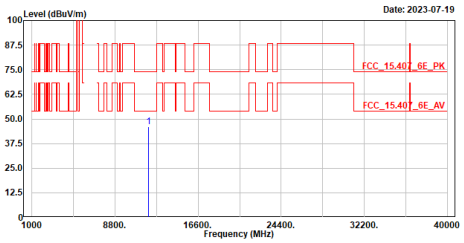
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax40_7085MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14170.000	48.00	88.22	-40.22	46.62	1.38	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

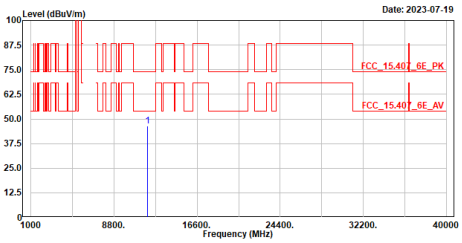
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_5985MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11970.000	45.94	74.00	-28.06	46.88	-0.94	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

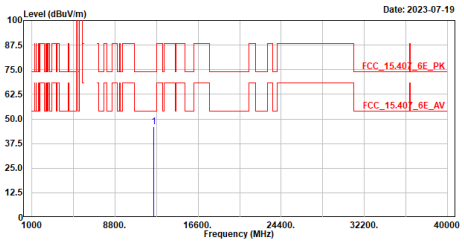
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_5985MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	11970.000	46.54	74.00	-27.46	47.48	-0.94	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

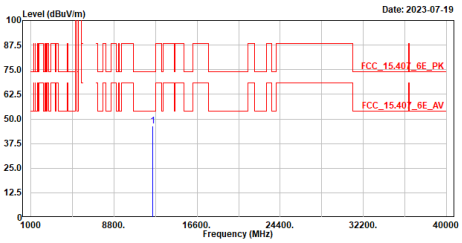
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6225MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12450.000	46.07	74.00	-27.93	46.22	-0.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

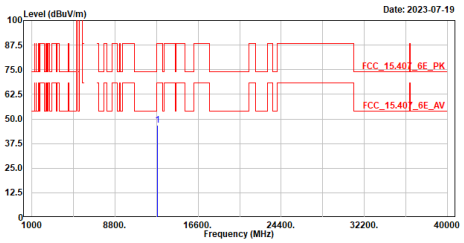
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6225MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12450.000	46.32	74.00	-27.68	46.47	-0.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

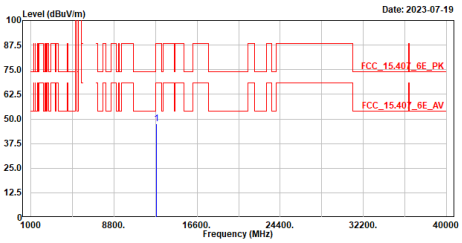
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6385MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12770.000	46.91	88.22	-41.31	46.27	0.64	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

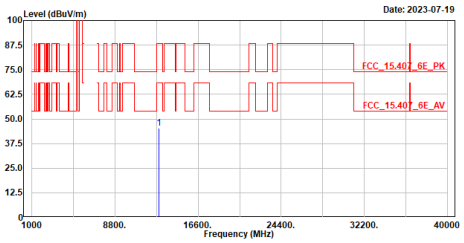
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6385MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12770.000	47.69	88.22	-40.53	47.05	0.64	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

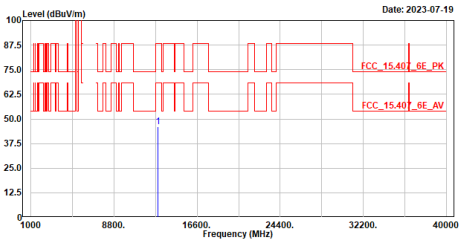
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6465MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12930.000	45.33	88.22	-42.89	44.82	0.51	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

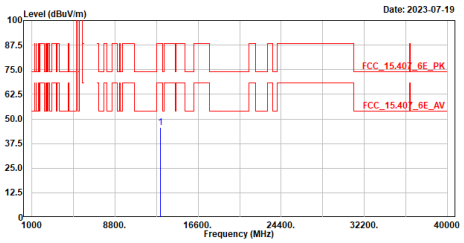
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6465MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12930.000	46.20	88.22	-42.02	45.69	0.51	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

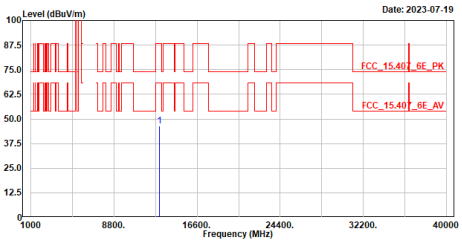
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6545MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13090.000	45.57	88.22	-42.65	44.97	0.60	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

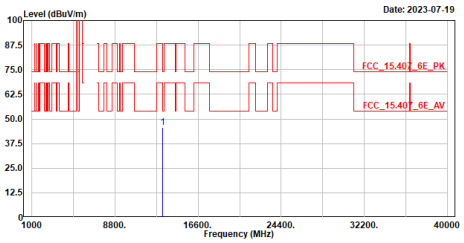
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6545MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13090.000	46.47	88.22	-41.75	45.87	0.60	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

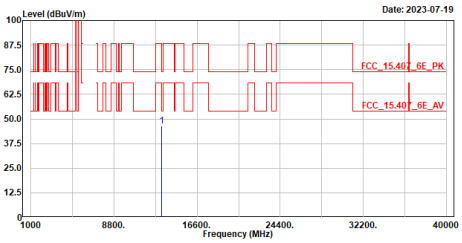
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6625MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13250.000	45.82	74.00	-28.18	44.66	1.16	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

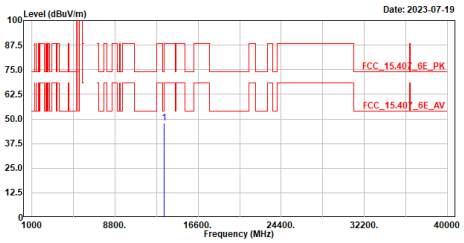
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6625MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13250.000	46.53	74.00	-27.47	45.37	1.16	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

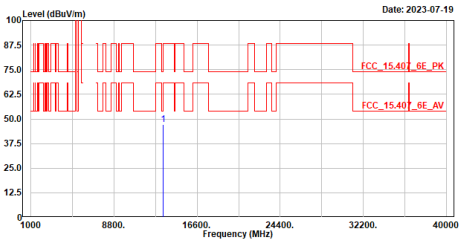
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6705MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13410.000	47.93	88.22	-40.29	46.66	1.27	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

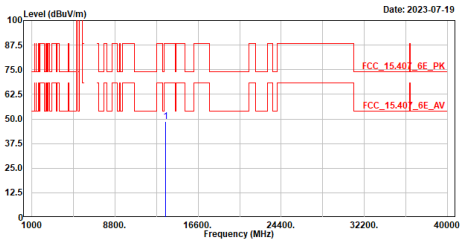
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6705MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13410.000	47.01	88.22	-41.21	45.74	1.27	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

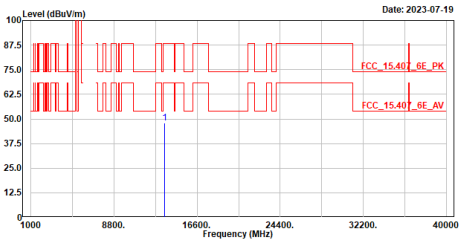
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6785MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13570.000	48.56	88.22	-39.66	47.71	0.85	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

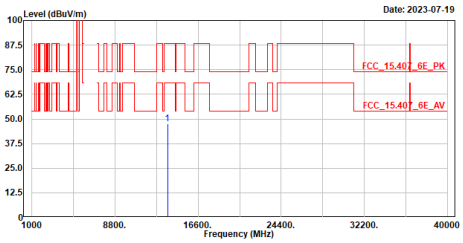
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6785MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13570.000	47.87	88.22	-40.35	47.02	0.85	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

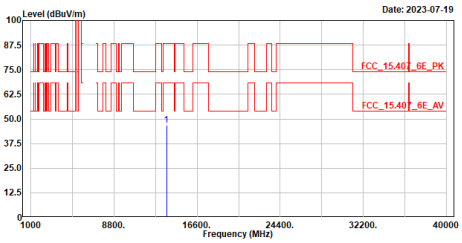
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6865MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13730.000	47.39	88.22	-40.83	46.34	1.05	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

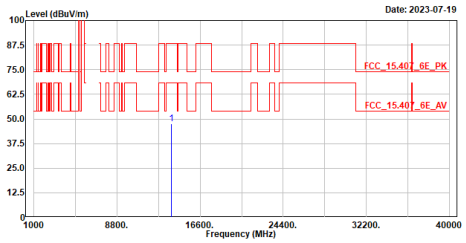
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6865MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13730.000	46.84	88.22	-41.38	45.79	1.05	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

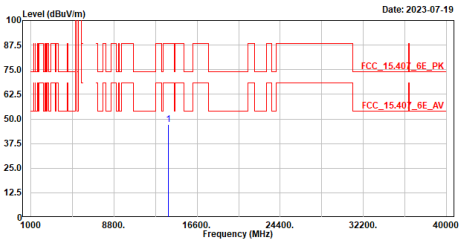
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_6945MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13890.000	47.53	88.22	-40.69	46.42	1.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

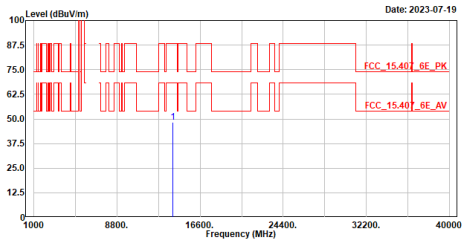
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_6945MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13890.000	47.03	88.22	-41.19	45.92	1.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

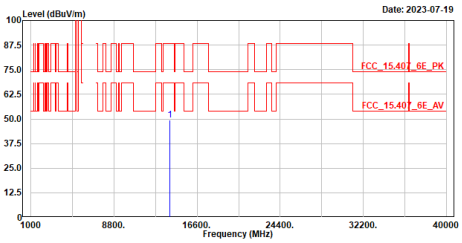
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax80_7025MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14050.000	48.44	88.22	-39.78	47.31	1.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

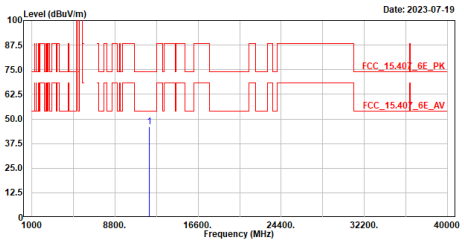
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax80_7025MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	14050.000	49.54	88.22	-38.68	48.41	1.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

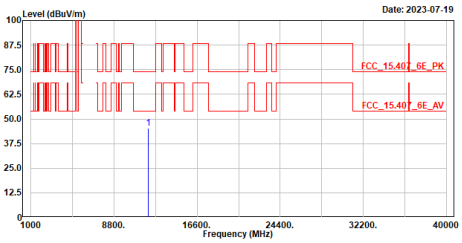
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6025MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12050.000	45.85	74.00	-28.15	46.94	-1.09	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

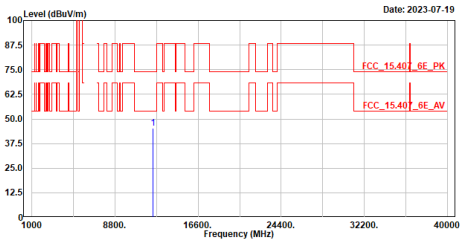
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6025MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12050.000	45.23	74.00	-28.77	46.32	-1.09	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

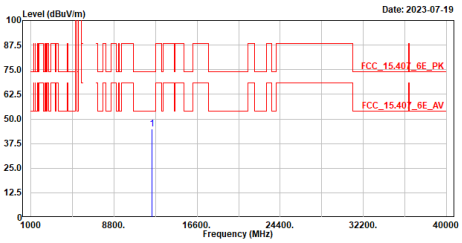
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6185MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12370.000	45.12	74.00	-28.88	45.56	-0.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

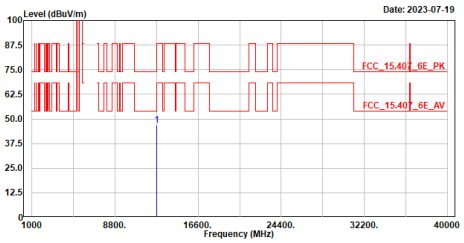
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6185MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12370.000	44.97	74.00	-29.03	45.41	-0.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

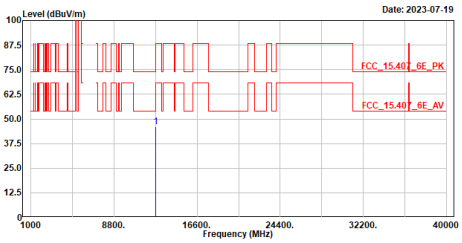
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6345MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12690.000	46.75	74.00	-27.25	46.28	0.47	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

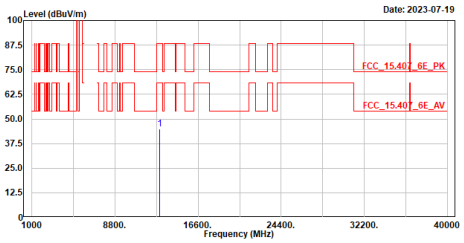
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6345MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	12690.000	46.19	74.00	-27.81	45.72	0.47	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

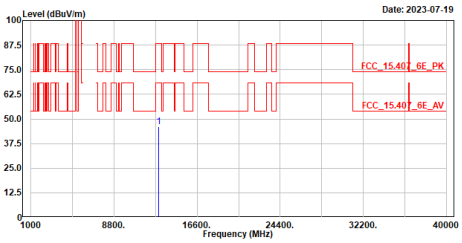
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6505MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13010.000	44.86	88.22	-43.36	44.45	0.41	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

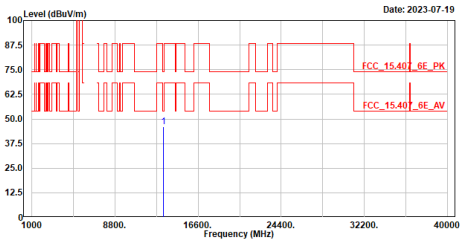
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6505MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13010.000	46.09	88.22	-42.13	45.68	0.41	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

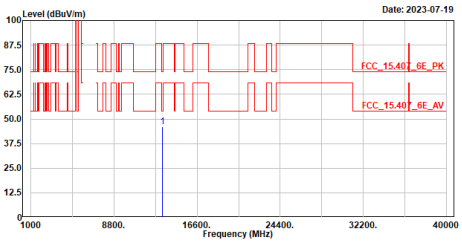
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6665MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13330.000	45.95	74.00	-28.05	44.95	1.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

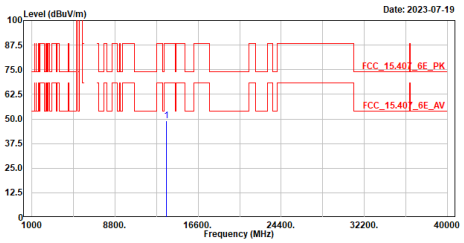
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6665MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13330.000	46.19	74.00	-27.81	45.19	1.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

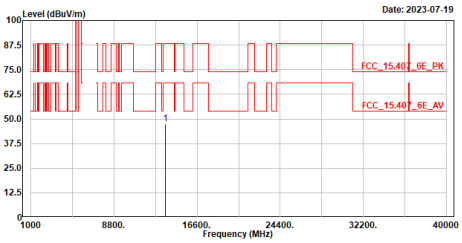
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6825MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13650.000	48.94	88.22	-39.28	47.96	0.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

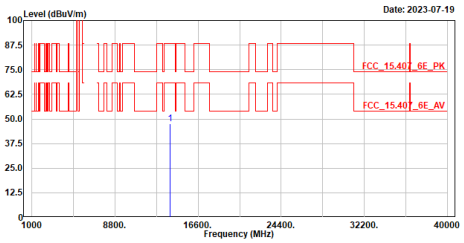
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6825MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13650.000	47.52	88.22	-40.70	46.54	0.98	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

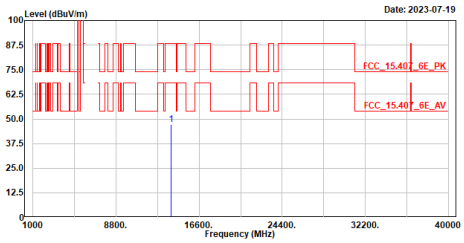
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6985MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13970.000	47.43	88.22	-40.79	46.35	1.08	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

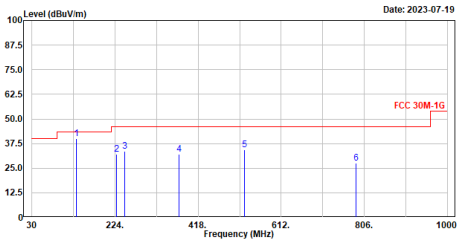
Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6985MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	13970.000	47.12	88.22	-41.10	46.04	1.08	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

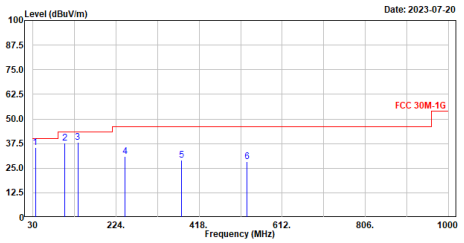
Site :HY-CB03
Condition :3m ,HORIZONTAL
Mode :TX_ax160_6985MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	133.790	40.03	43.50	-3.47	65.10	-25.07	QP
2	226.910	32.00	46.00	-14.00	58.59	-26.59	QP
3	246.310	33.40	46.00	-12.60	58.89	-25.49	QP
4	374.350	32.26	46.00	-13.74	54.04	-21.78	QP
5	525.670	34.28	46.00	-11.72	52.46	-18.18	QP
6	786.600	27.63	46.00	-18.37	41.00	-13.37	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB03
Condition :3m ,VERTICAL
Mode :TX_ax160_6985MHz
Test BY :Peter



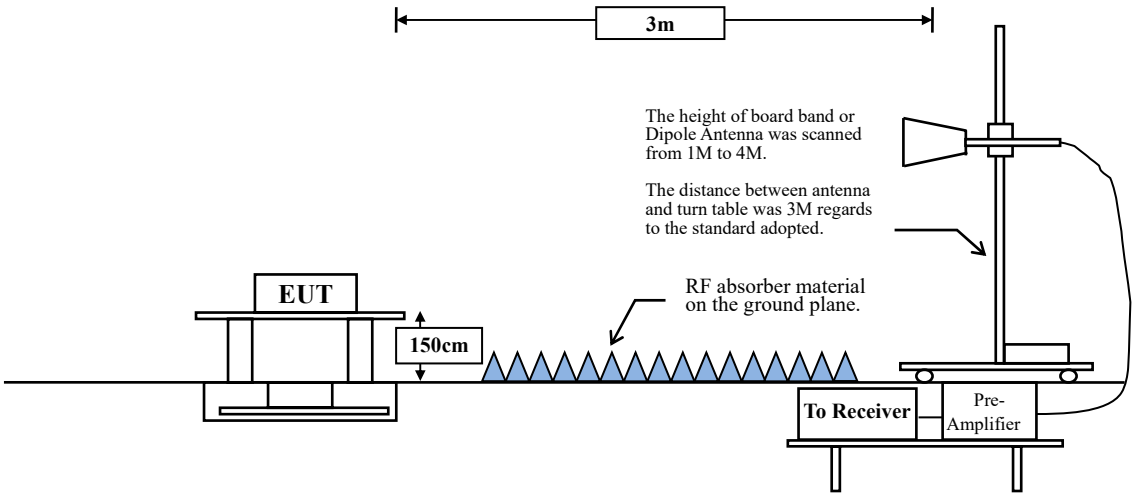
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	35.820	35.56	40.00	-4.44	60.50	-24.94	QP
2	103.720	37.74	43.50	-5.76	66.04	-28.30	QP
3	134.760	38.10	43.50	-5.40	63.08	-24.98	QP
4	245.340	31.04	46.00	-14.96	56.53	-25.49	QP
5	377.260	29.15	46.00	-16.85	50.86	-21.71	QP
6	530.520	28.41	46.00	-17.59	46.49	-18.08	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

8. Band Edge

8.1. Test Setup

Radiated Emission Above 1GHz



8.2. Limits

General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission Limits specified in Section 15.209:

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBμV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBμV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter Limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Unwanted Emission out of the restricted bands Limits

FCC CFR Title 47 Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBμV/m@3m)
5925 MHz > F 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

The following for mula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ uV/m, where P is the eirp (Watts).

8.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

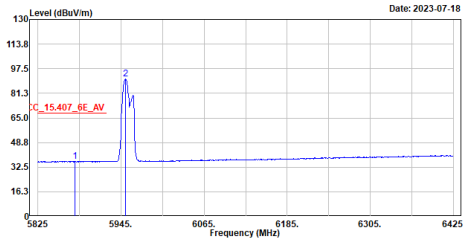
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

8.4. Test Result of Band Edge

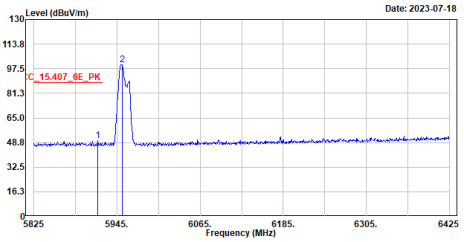
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_a_5955MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5879.000	36.54	68.22	-31.68	18.55	17.99	Average
2	5951.600	90.76	------	------	72.98	17.78	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

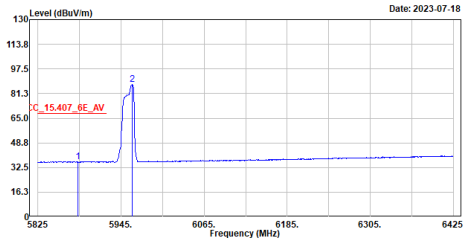
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_a_5955MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5917.400	49.90	88.22	-38.32	32.00	17.90	Peak
2	5952.200	100.31	------	------	82.53	17.78	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

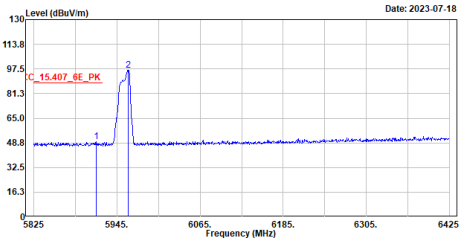
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_a_5955MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5882.600	36.51	68.22	-31.71	18.52	17.99	Average
2	5961.200	87.10	------	------	69.33	17.77	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

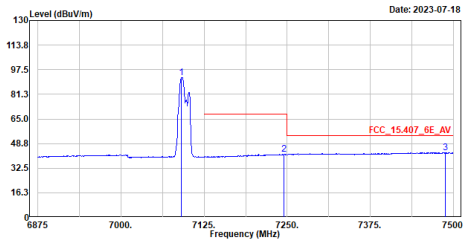
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_a_5955MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5915.000	49.62	88.22	-38.60	31.70	17.92	Peak
2	5961.200	96.72	------	------	78.95	17.77	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

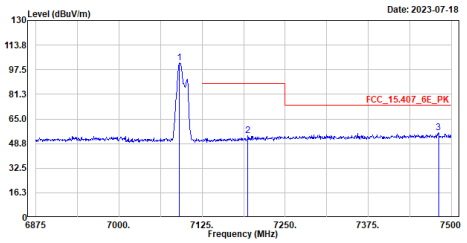
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_a_7095MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7091.250	92.31	------	------	71.26	21.05	Average
2	7245.000	41.69	68.22	-26.53	20.02	21.67	Average
3	7487.500	42.82	54.00	-11.18	20.77	22.05	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

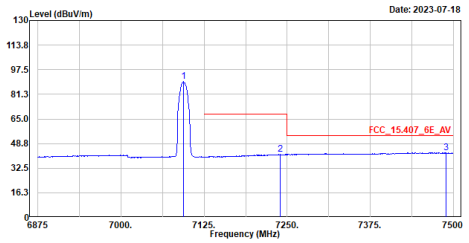
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_a_7095MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7091.250	101.80	------	------	80.75	21.05	Peak
2	7193.750	53.89	88.22	-34.33	32.48	21.41	Peak
3	7480.625	56.04	74.00	-17.96	33.96	22.08	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

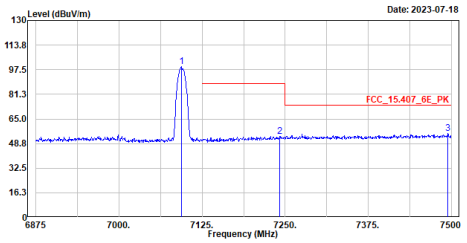
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_a_7095MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7093.750	89.71	------	------	68.66	21.05	Average
2	7240.000	41.61	68.22	-26.61	19.96	21.65	Average
3	7488.750	42.69	54.00	-11.31	20.66	22.03	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

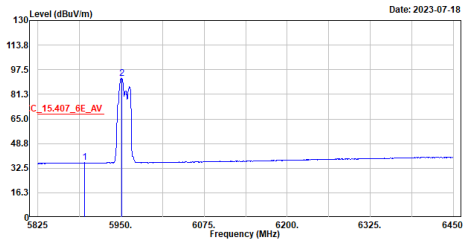
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_a_7095MHz
Test BY :Ashton Chiu



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7093.750	99.35	------	------	78.30	21.05	Peak
2	7241.875	53.59	88.22	-34.63	31.93	21.66	Peak
3	7495.000	55.59	74.00	-18.41	33.58	22.01	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

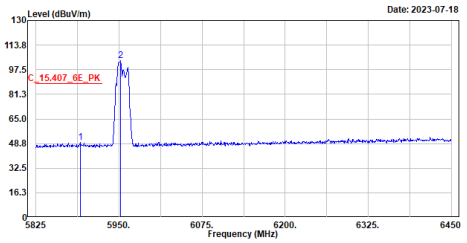
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax20_5955MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5895.625	36.06	68.22	-32.16	18.07	17.99	Average
2	5951.250	91.82	------	------	74.04	17.78	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

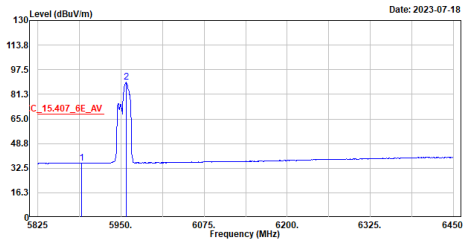
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax20_5955MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5891.875	49.42	88.22	-38.80	31.43	17.99	Peak
2	5952.500	103.33	------	------	85.55	17.78	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

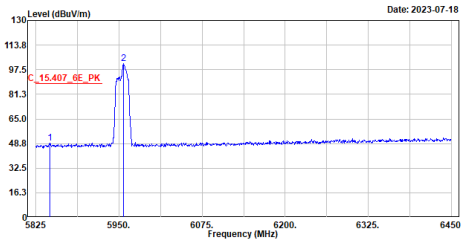
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax20_5955MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5891.250	36.00	68.22	-32.22	18.01	17.99	Average
2	5957.500	89.25	------	------	71.48	17.77	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

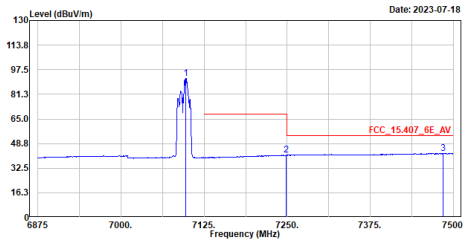
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax20_5955MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5845.625	49.21	88.22	-39.01	31.20	18.01	Peak
2	5956.875	101.48	------	------	83.71	17.77	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

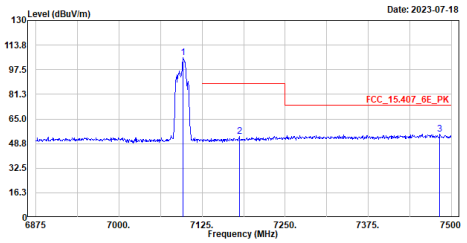
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax20_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7097.500	91.68	------	------	70.64	21.04	Average
2	7248.750	41.13	68.22	-27.09	19.45	21.68	Average
3	7485.000	42.16	54.00	-11.84	20.10	22.06	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

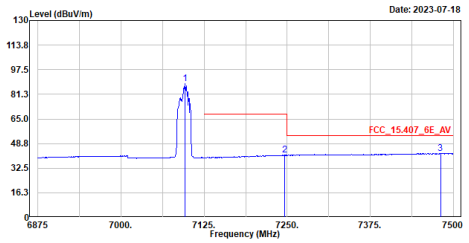
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax20_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7096.875	105.31	------	------	84.27	21.04	Peak
2	7181.250	53.50	88.22	-34.72	32.18	21.32	Peak
3	7482.500	54.85	74.00	-19.15	32.78	22.07	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

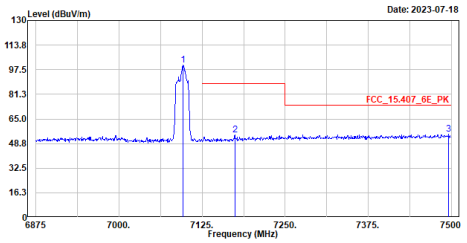
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax20_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7096.875	88.20	------	------	67.16	21.04	Average
2	7246.250	41.04	68.22	-27.18	19.36	21.68	Average
3	7480.625	42.17	54.00	-11.83	20.09	22.08	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

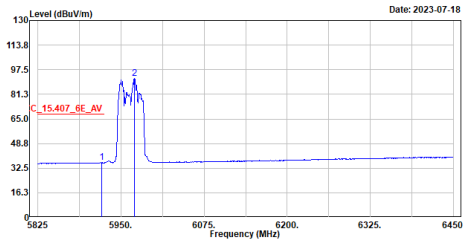
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax20_7095MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	7096.250	100.52	------	------	79.48	21.04	Peak
2	7174.375	54.43	88.22	-33.79	33.14	21.29	Peak
3	7496.250	55.03	74.00	-18.97	33.03	22.00	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

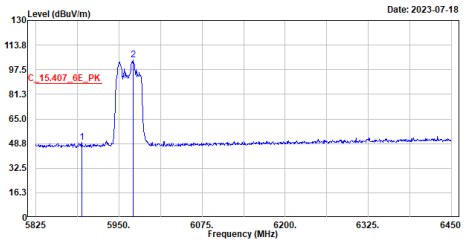
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax40_5965MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5921.250	36.17	68.22	-32.05	18.27	17.90	Average
2	5970.000	91.62	------	------	73.84	17.78	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

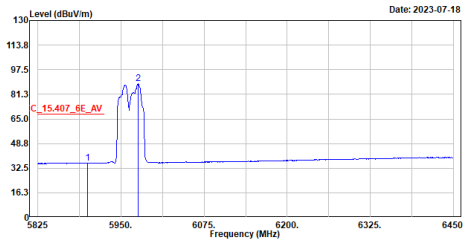
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax40_5965MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5893.750	49.32	88.22	-38.90	31.33	17.99	Peak
2	5971.250	103.85	------	------	86.07	17.78	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

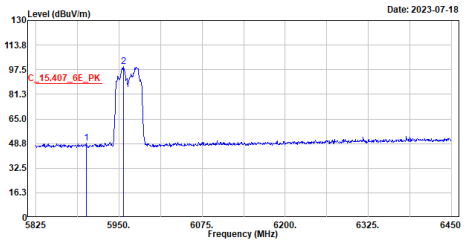
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax40_5965MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5900.000	35.97	68.22	-32.25	17.99	17.98	Average
2	5976.250	88.11	------	------	70.34	17.77	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

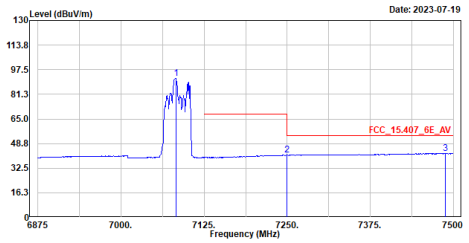
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax40_5965MHz
Test BY :Peter



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	5900.625	48.89	88.22	-39.33	30.91	17.98	Peak
2	5956.875	99.43	------	------	81.66	17.77	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

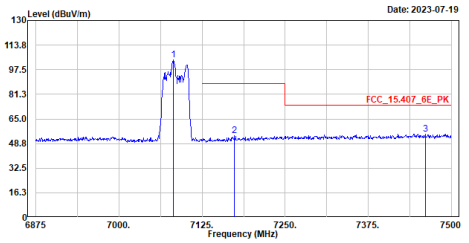
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax40_7085MHz
Test BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	7082.500	91.73	------	------	70.69	21.04	Average
2	7249.375	41.15	68.22	-27.07	19.47	21.68	Average
3	7488.125	42.17	54.00	-11.83	20.14	22.03	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

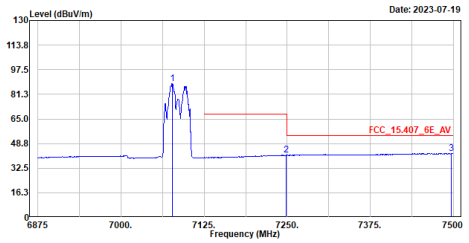
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_ax40_7085MHz
Test BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	7081.875	103.83	------	------	82.79	21.04	Peak
2	7173.750	53.80	88.22	-34.42	32.51	21.29	Peak
3	7460.625	55.00	74.00	-19.00	32.81	22.19	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

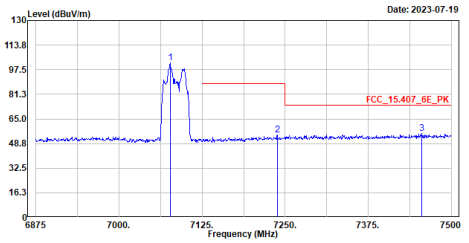
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax40_7085MHz
Test BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	7076.875	88.42	------	------	67.37	21.05	Average
2	7248.750	41.00	68.22	-27.22	19.32	21.68	Average
3	7496.875	42.31	54.00	-11.69	20.31	22.00	Average

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_ax40_7085MHz
Test BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	7076.875	102.07	------	------	81.02	21.05	Peak
2	7238.125	54.28	88.22	-33.94	32.64	21.64	Peak
3	7455.000	55.63	74.00	-18.37	33.45	22.18	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.