



Spot Check Evaluation

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2409-2
FCC ID : IHDT56AS7
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L), 27(F), 27(H), 27(M),
27(Q), 90(S)
47 CFR Part 15 Subpart C §15.247
47 CFR Part 15 Subpart E §15.407
TEST DATE(S) : Jun. 16, 2024 ~ Jun. 28, 2024

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China



TABLE OF CONTENTS

REVISION HISTORY.....	3
1 GENERAL DESCRIPTION.....	4
1.1 Applicant.....	4
1.2 Manufacturer.....	4
1.3 Product Feature of Equipment Under Test.....	4
1.4 Modification of EUT	4
1.5 Testing Site.....	5
1.6 Test Software.....	5
1.7 Applicable Standards.....	6
1.8 Specification of Accessory.....	6
2 RE-USE OF MEASURED DATA.....	7
2.1 Introduction Section	7
2.2 Model Difference Information	7
2.3 Reference detail Section:	8
2.4 Spot Check Verification Data Section.....	9
3 LIST OF MEASURING EQUIPMENT.....	13
4 MEASUREMENT UNCERTAINTY	15
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. RADIATED SPURIOUS EMISSION	
APPENDIX C. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
452307-01	Rev. 01	Initial issue of report	Jul. 05, 2024
452307-01	Rev. 02	Added model difference information in section 2.2.	Jul. 10, 2024

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2409-2
FCC ID	IHDT56AS7
IMEI Code	Conducted/DFS: 350074740013397/350074740013405 Conduction: 350074740014155/350074740014163 Radiation(BT/WLAN): 350074740016515/350074740016523 Radiation(WWAN): 350074740014270/350074740014288
HW Version	DVT2
SW Version	UUI34.42
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Modification of EUT

No modifications are made to the EUT during all test items.



1.5 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-KS CO01-KS DFS01-KS 03CH04-KS 03CH06-KS	CN1257	314309

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	TH01-KS	SPORTON	FCC 15C-15E Test Tools Ver10.0_210607	10.0
2.	TH01-KS	SPORTON	FCC BT2.0 Ver3.0_For_CHINA_190111	3.0
3.	TH01-KS	SPORTON	Part2224_Ver5.0 200330	5.0
4.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
5.	CO01-KS	AUDIX	E3	6.2009-8-24
6.	03CH04-KS	AUDIX	E3	210616
7.	03CH06-KS	AUDIX	E3	6.2009-8-24al
8.	DFS01-KS	Sporton	Test Tools	1.0

1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC KDB 484596 D01 Referencing Test Data v02r03
- 47 CFR Part 2, 22(H), 24(E), 27(L), 27(F), 27(H), 27(M), 27(Q), 90(S)
- 47 CFR Part 15 Subpart C §15.247
- 47 CFR Part 15 Subpart E §15.407
- ANSI C63.10-2013
- ANSI C63.26-2015

1.8 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-681N
AC Adapter 1(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-682N
AC Adapter 1(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-683N
AC Adapter 1(AU)	Brand Name	Motorola(Chenyang)	Model Name	MC-685N
AC Adapter 1(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-687N
AC Adapter 2(US)	Brand Name	Motorola(Acbel)	Model Name	MC-681N
AC Adapter 2(EU)	Brand Name	Motorola(Acbel)	Model Name	MC-682N
AC Adapter 2(UK)	Brand Name	Motorola(Acbel)	Model Name	MC-683N
AC Adapter 2(AU)	Brand Name	Motorola(Acbel)	Model Name	MC-685N
AC Adapter 2(BR)	Brand Name	Motorola(Acbel)	Model Name	MC-687N
Battery	Brand Name	Motorola(ATL)	Model Name	QV43
USB Cable 1	Brand Name	Motorola(Hexin)	Model Name	S928E28748
USB Cable 2	Brand Name	Motorola(Juwei)	Model Name	S928E28749
USB Cable 3	Brand Name	Motorola(Saibao)	Model Name	S928E38943
Wireless Earphones	Brand Name	Motorola	Model Name	XT2441-1



2 Re-use of Measured Data

2.1 Introduction Section

The subject device of this application (Model: XT2409-2, FCC ID: IHDT56AS7) is electrically identical to the reference device (Model: XT2409-1, XT2409-6, FCC ID: IHDT56AS6) for the portions of the circuitry corresponding to the data being re-used.

ECR Data Referencing Inquiry has been approved by FCC, and the data referencing and spot check test plan includes RF/EMC, the details are presented in section 2.3 of this report, for Conducted items of 5GNR bands please refer to test report which No.: 24ADRTCC7014; and for SAR Reference detail, please refer to FCC SAR report FA452307-01.

The criteria set in section 3 of KDB 484596 D01 v02r03 is followed to determine whether the data referencing is justified. For SAR, the higher between the referenced value and the spot check value is used to determine compliance in both standalone and simultaneous transmission conditions.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: IHDT56AS7 .

2.2 Model Difference Information

The **main** difference between FCC ID: IHDT56AS6 and FCC ID: IHDT56AS7 is as below:

- Remove LTE B18/19/20/32/39/43 and 5G NR n20/n75/n77(Part 27O)/n78(Part 27O).
- Add 5G NR n78(Part 27Q).
- LTE Band 41/41C changed from Power class 2 to Power class 3.
- Different NFC chipset.

Other differences and all the details of similarity and difference can be found in the confidential documents (XT2409-2_Operational Description of Product Equality Declaration).



2.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID (Parent)	Reference on test	Reference Title	FCC ID Filling (Variant)	Test on the variant	Data Referencing (Y/N)
15C	DSS (BR/EDR)	2400~2483.5	IHDT56AS6	Full test	FR452307A	IHDT56AS7	Spot check	Y, All test items
	DTS (BLE)	2400~2483.5	IHDT56AS6	Full test	FR452307B	IHDT56AS7	Spot check	Y, All test items
	DTS (WLAN)	2400~2483.5	IHDT56AS6	Full test	FR452307C	IHDT56AS7	Spot check	Y, All test items
15E	U-NII	5180~5240	IHDT56AS6	Full test	FR452307E	IHDT56AS7	Spot check	Y, All test items
		5260~5320	IHDT56AS6	Full test	FR452307E	IHDT56AS7	Spot check	Y, All test items
		5500~5720	IHDT56AS6	Full test	FR452307E	IHDT56AS7	Spot check	Y, All test items
		5745~5825	IHDT56AS6	Full test	FR452307E	IHDT56AS7	Spot check	Y, All test items
		5260~5320 5500~5720	IHDT56AS6	Full test	FZ452307	IHDT56AS7	Spot check	Y, All test items
	6XD	5925~7125	IHDT56AS6	Full test	FR452307F	IHDT56AS7	Spot check	Y, All test items
22, 24, 27, 90	PCE (GSM)	GSM 850/1900	IHDT56AS6	Full test	FG452307A	IHDT56AS7	Spot check	Y, All test items
	PCE (WCDMA)	Band II, IV, V	IHDT56AS6	Full test	FG452307A	IHDT56AS7	Spot check	Y, All test items
	PCE (LTE)	B2/4/5/12/13/17/25/26/66	IHDT56AS6	Full test	FG452307B	IHDT56AS7	Spot check	Y, All test items
		B7/7C/38/38C/41/41C	IHDT56AS6	Full test	FG452307C	IHDT56AS7	Spot check, Full test on Power/EIRP of B41/41C	Y, except for Power/EIRP of B41/41C
		LTE Inter CA	IHDT56AS6	Full test	FG452307F	IHDT56AS7	Spot check	Y, All test items
		B42	IHDT56AS6	Full test	FG452307E	IHDT56AS7	Spot check	Y, All test items
		B26(90S)	IHDT56AS6	Full test	FG452307D	IHDT56AS7	Spot check	Y, All test items
	PCE (5G NR)	n2/n5/n7/n26/n38/n41/n66	IHDT56AS6	Full test	FG452307G	IHDT56AS7	Spot check, Full test on Conducted	Y, except for Conducted

Y: Pointer to spot-check exhibit; N: Pointer to full test exhibit

Note: LTE Inter CA band: CA_2A-4A,CA_2A-7A,CA_2A-66A,CA_4A-5A,CA_4A-7A,CA_5A-7A,CA_5A-66A.

2.4 Spot Check Verification Data Section

All test items test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

All test procedures follow the related section of parent report.

Spot-check measurements, while being always compliant with the applicable rule part(s) for the test under consideration, show a deviation d_{dB} from the reference data no larger than 3 dB:

$$d_{dB} = |V_{dB} - R_{dB}| \leq 3 \text{ dB} \quad (1)$$

V_{dB} , the variant spot-check level

R_{dB} , the corresponding measurement level for the reference model

An alternative to the limit of eq. (1) is available, and is based on considering how far the reference data R_{dB} is from the compliance threshold C_{dB} (also expressed in dB), for the particular test under consideration. In this case, if $M_{dB} = |C_{dB} - R_{dB}|$ is the margin in dB from the compliance limit, a spot check may be considered acceptable when the deviation d_{dB} from the reference data satisfies the following condition:

$$d_{dB} = |V_{dB} - R_{dB}| \leq (3 + M_{dB} / 20) \text{ dB} , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \quad (2)$$

$$d_{dB} = |V_{dB} - R_{dB}| = 6 \text{ dB} , \text{ for } M_{dB} > 60 \text{ dB}$$

where “| |” is the absolute value of the measured quantity.

When using the option in eq. (2), d_{dB} increases linearly from 3 dB to 6 dB.

Summary for spot check for each rule entry and technology is listed as below:

Mode	Test Item	IHDT56AS6 Parent Worst mode Test Result	IHDT56AS7 Variant Check Test Result	Deviation (dB)	Limit (dB)
BT 1Mbps (DH5-CH00)	Number of Channels	79	79	0	3
	Hopping Channel Separation	1.004	1.007	0.003	3
	Dwell Time of Each Channel	0.31	0.31	0	3
	20dB Bandwidth	0.86	0.85	0.01	3
	99% Bandwidth	0.755	0.755	0	3
	Conducted Band Edges	-44.34	-42.66	1.68	3
	Conducted Spurious Emission	-36.06	-36.47	0.41	3
BT 1Mbps (3DH5-CH00)	Radiated Band Edges and Radiated Spurious Emission	55.38	55.83	0.45	3
BT	AC Conducted Emission	62.33	60.12	2.21	3



Mode	Test Item	IHDT56AS6 Parent Worst mode Test Result	IHDT56AS7 Variant Check Test Result	Deviation (dB)	Limit (dB)
BLE (1M-CH00)	6dB Bandwidth	0.72	0.72	0	3
	99% Bandwidth	1.06	1.05	0.01	3
	Power Spectral Density	-9.26	-9.23	0.03	3
	Conducted Band Edges	-43.79	-45.71	1.92	3
	Conducted Spurious Emission	-36.1	-38.22	2.21	3
BLE (2M-CH38)	Radiated Band Edges and Spurious Emission	45.09	45.98	0.89	3
BLE	AC Conducted Emission	62.33	60.12	2.21	3
WIFI 2.4G (802.11b CH01)	6dB Bandwidth	8.56	8.08	0.48	3
	99% Bandwidth	12.83	13.24	0.41	3
	Power Spectral Density	-0.45	-0.43	0.02	3
	Conducted Band Edges	-39.37	-39.11	0.26	3
	Conducted Spurious Emission	-36.35	-38.21	1.86	3
WIFI 2.4G (802.11n HT40 CH09)	Radiated Band Edges and Spurious Emission	50.78	50.62	0.16	3
WIFI 2.4G	AC Conducted Emission	62.33	60.12	2.21	3
WIFI 5G (802.11a CH165)	26dB Bandwidth	22.70	22.33	0.37	3
	99% Bandwidth	17.26	17.73	0.47	3
	Power Spectral Density	7.76	7.30	0.46	3
WIFI 5G (802.11ax HE20 CH64)	Unwanted Emissions	50.75	50.43	0.32	3
WIFI 5G	AC Conducted Emission	52.72	50.73	1.99	3
WLAN 5G	DFS	0.959232	0.914430	0.044802	3
WLAN 6G (802.11ax HE20 CH1)	26dB Emission Bandwidth	21.30	21.5	0.2	3
	99% Occupied Bandwidth	19.02	19.02	0	3
	Fundamental Power Spectral Density	1.72	1.71	0.01	3
	In-Band Emissions	-36.04	-36.45	0.41	3
	Contention Based Protocol	-69.75	-69.53	0.22	3
WLAN 6G (802.11ax HE80 CH7)	Unwanted Emissions	64.49	65.15	0.66	3
WIFI 6G	AC Conducted Emission	10.74	12.74	2.00	3
Part 22/24/27/90 2/3/4G (LTE Band 41)	Peak-to-Average Ratio	6.99	7.45	0.46	3
	Occupied Bandwidth	4.49	4.48	0.01	3
	Conducted Band Edge	-11.03	-12.91	1.88	3
	Conducted Spurious Emission	-42.88	-43.98	1.10	3
	Frequency Stability	0.0049	0.0024	0.0025	3
Part 22/24/27/90 2/3/4/5G	-				
(GSM 1900)	Radiated Spurious Emission	-48.35	-49.81	1.46	3
(WCDMA Band II)	Radiated Spurious Emission	-54.28	-54.11	0.17	3
(LTE Band 13)	Radiated Spurious Emission	-58.27	-57.98	0.29	3
(5G NR n41)	Radiated Spurious Emission	-40.97	-41.90	0.93	3



Test Item	Mode	IHDT56AS6 Parent Worst mode Test Result	IHDT56AS7 Variant Check Test Result	Deviation (dB)	Limit (dB)
Conducted Power (dBm)	BT BR/EDR	18.13	17.55	0.58	3
	BLE 1Mbps	6.91	6.79	0.12	3
	BLE 2Mbps	6.96	6.68	0.28	3
	11b, 2.4GHz	24.62	24.52	0.1	3
	11g, 2.4GHz	28.73	28.64	0.09	3
	11n HT20, 2.4GHz	28.66	28.55	0.11	3
	11n HT40, 2.4GHz	27.08	27.04	0.04	3
	11ax HE20, 2.4GHz	28.73	28.67	0.06	3
	11ax HE40, 2.4GHz	27.10	27.06	0.04	3
	11a, 5.2GHz	19.93	19.91	0.02	3
	11a, 5.3GHz	20.32	20.30	0.02	3
	11a, 5.5GHz	20.34	20.31	0.03	3
	11a, 5.8GHz	20.98	20.90	0.08	3
	11n HT20, 5.2GHz	20.14	20.03	0.11	3
	11n HT20, 5.3GHz	20.88	20.78	0.1	3
	11n HT20, 5.5GHz	20.91	20.86	0.05	3
	11n HT20, 5.8GHz	20.94	20.86	0.08	3
	11ac VHT20, 5.2GHz	20.22	20.18	0.04	3
	11ac VHT20, 5.3GHz	20.95	20.91	0.04	3
	11ac VHT20, 5.5GHz	20.97	20.94	0.03	3
	11ac VHT20, 5.8GHz	20.99	20.92	0.07	3
	11ax HE20, 5.2GHz	20.27	20.22	0.05	3
	11ax HE20, 5.3GHz	20.99	20.90	0.09	3
	11ax HE20, 5.5GHz	21.03	20.92	0.11	3
	11ax HE20, 5.8GHz	21.05	21.00	0.05	3
	11n HT40, 5.2GHz	19.17	19.09	0.08	3
	11n HT40, 5.3GHz	19.22	19.19	0.03	3
	11n HT40, 5.5GHz	19.25	19.20	0.05	3
	11n HT40, 5.8GHz	19.07	19.05	0.02	3
	11ac VHT40, 5.2GHz	19.20	19.18	0.02	3
	11ac VHT40, 5.3GHz	19.26	19.20	0.06	3
	11ac VHT40, 5.5GHz	19.27	19.25	0.02	3
	11ac VHT40, 5.8GHz	19.11	19.00	0.11	3
	11ax HE40, 5.2GHz	19.29	19.25	0.04	3
	11ax HE40, 5.3GHz	19.34	19.32	0.02	3
	11ax HE40, 5.5GHz	19.34	19.31	0.03	3
	11ax HE40, 5.8GHz	19.20	19.17	0.03	3
	11ac VHT80, 5.2GHz	12.60	12.57	0.03	3
	11ac VHT80, 5.3GHz	13.19	13.14	0.05	3
	11ac VHT80, 5.5GHz	18.08	17.97	0.11	3
	11ac VHT80, 5.8GHz	17.98	17.88	0.10	3
	11ax HE80, 5.2GHz	12.64	12.60	0.04	3
	11ax HE80, 5.3GHz	13.25	13.20	0.05	3
	11ax HE80, 5.5GHz	18.16	18.13	0.03	3
	11ax HE80, 5.8GHz	18.04	17.96	0.08	3
	6E 11ax HE20 U-NII-5	12.72	12.67	0.05	3
	6E 11ax HE20 U-NII-6	12.62	12.57	0.05	3
	6E 11ax HE20 U-NII-7	13.10	13.08	0.02	3
	6E 11ax HE20 U-NII-8	12.57	12.52	0.05	3
	6E 11ax HE40 U-NII-5	15.40	15.36	0.04	3
	6E 11ax HE40 U-NII-6	15.27	15.26	0.01	3



6E 11ax HE40 U-NII-7	15.82	15.80	0.02	3
6E 11ax HE40 U-NII-8	15.20	15.09	0.11	3
6E 11ax HE80 U-NII-5	19.29	19.25	0.04	3
6E 11ax HE80 U-NII-6	19.30	19.27	0.03	3
6E 11ax HE80 U-NII-7	19.77	19.71	0.06	3
6E 11ax HE80 U-NII-8	19.69	19.65	0.04	3
GSM 850	31.91	31.90	0.01	3
GSM 1900	29.09	29.08	0.01	3
WCDMA B5	22.53	22.51	0.02	3
WCDMA B2	22.55	22.54	0.01	3
WCDMA B4	22.63	22.61	0.02	3
LTE Band 2	22.23	22.21	0.02	3
LTE Band 25	22.33	22.30	0.03	3
LTE Band 4	22.35	22.31	0.04	3
LTE Band 66	22.39	22.33	0.06	3
LTE Band 5	22.42	22.40	0.02	3
LTE B26	22.53	22.51	0.02	3
LTE B26 (90S)	22.32	22.30	0.02	3
LTE Band 7	22.27	22.22	0.05	3
LTE Band 7C	22.26	22.11	0.15	3
LTE Band 12	22.49	22.48	0.01	3
LTE Band 17	22.45	22.31	0.14	3
LTE Band 13	22.52	22.50	0.02	3
LTE Band 38	22.50	22.47	0.03	3
LTE Band 38C	22.45	22.42	0.03	3

Conclusion:

All test items test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. All spot check test data are shown within expected level compliant to limit line.

We are using power and ERP/EIRP measurements from the original parent model reports to list on the grant.

The same detection mechanism/software/antenna gain is used in the variant of DFS/CBP. Hence, all test cases refer to parent report.

We confirm that the test data referencing policy of FCC KDB 484596 D01 Referencing Test Data v02r03 has been followed and the test data as referenced from the parent model report represents compliance with new FCC ID.



3 List of Measuring Equipment

For BT/WIFI:

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 11, 2023	Jun. 28, 2024	Oct. 10, 2024	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1435004	50MHz Bandwidth	Jan. 02, 2024	Jun. 28, 2024	Jan. 01, 2025	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 02, 2024	Jun. 28, 2024	Jan. 01, 2025	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 10, 2023	Jun. 25, 2024	Oct. 09, 2024	Radiation (03CH06-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY60242126	10Hz~44GHz	Oct. 10, 2023	Jun. 25, 2024	Oct. 09, 2024	Radiation (03CH06-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 10, 2023	Jun. 25, 2024	Oct. 09, 2024	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	59913	30MHz~1GHz	Aug. 19, 2023	Jun. 25, 2024	Aug. 18, 2024	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00240132	1GHz~18GHz	Jul. 12, 2023	Jun. 25, 2024	Jul. 11, 2024	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101093	18GHz~40GHz	Jan. 05, 2024	Jun. 25, 2024	Jan. 04, 2025	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	380827	9kHz ~1GHz	Jul. 06, 2023	Jun. 25, 2024	Jul. 05, 2024	Radiation (03CH06-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 04, 2024	Jun. 25, 2024	Jan. 03, 2025	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-00101 800-30-10P	2082395	1Ghz-18Ghz	Jan. 04, 2024	Jun. 25, 2024	Jan. 03, 2025	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270319	500MHz~26.5GHz	Oct. 10, 2023	Jun. 25, 2024	Oct. 09, 2024	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 25, 2024	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 25, 2024	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 25, 2024	NCR	Radiation (03CH06-KS)
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz;	Apr 18, 2024	Jun. 16, 2024	Apr 17, 2025	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 11, 2023	Jun. 16, 2024	Oct. 10, 2024	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr 18, 2024	Jun. 16, 2024	Apr 17, 2025	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 11, 2023	Jun. 16, 2024	Oct. 10, 2024	Conduction (CO01-KS)
Spectrum Analyzer	R&S	FSV7	101632	10Hz~7GHz	Jan. 03, 2024	Jun. 24, 2024	Jan. 02, 2025	DFS (DFS01-KS)
Vector Signal Generator	R&S	SMJ100A	101908	100kHz~6GHz	Jan. 02, 2024	Jun. 24, 2024	Jan. 01, 2025	DFS (DFS01-KS)
Combiner	MTJ Cooperation	MTJ7112	N/A	0.4-6GHz	NCR	Jun. 24, 2024	NCR	DFS (DFS01-KS)
Signal Analyzer	R&S	FSV7	101472	10Hz~7GHz	Jan. 02, 2024	Jun. 28, 2024	Jan. 01, 2025	CBP (DFS01-KS)
MXG-B RF Vector Signal Generator	Keysight	5182B /5182BX07	MY56200417 /MY59360210	9kHz~7.2GHz	Apr. 17, 2024	Jun. 28, 2024	Apr. 16, 2025	CBP (DFS01-KS)
Combiner	MTJ Cooperation	MTJ7114-M	N/A	0.5GHz~18GHz	NCR	Jun. 28, 2024	NCR	CBP (DFS01-KS)

NCR: No Calibration Required.

**For WWAN Bands:**

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 11, 2023	Jun. 28, 2024	Oct. 10, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jun. 28, 2024	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 06, 2023	Jun. 28, 2024	Jul. 05, 2024	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz~44G, MAX 30dB	Oct. 10, 2023	Jun. 21, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 11 2023	Jun. 21, 2024	Sep. 10, 2024	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	59913	30MHz~1GHz	Aug. 19, 2023	Jun. 21, 2024	Aug. 18, 2024	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00251694	1GHz~18GHz	Jul. 12, 2023	Jun. 21, 2024	Jul. 11, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2024	Jun. 21, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz~1GHz	Jul. 06, 2023	Jun. 21, 2024	Jul. 05, 2024	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GG A	060728	18~40GHz	Jan. 05, 2024	Jun. 21, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz~18Ghz	Oct. 10, 2023	Jun. 21, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz~18Ghz	Oct. 10, 2023	Jun. 21, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 21, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 21, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 21, 2024	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required.

4 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement(BT/WIFI 2.4G/5G)

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Conducted Power Spectral Density	±0.90 dB
Frequency	±0.04 ppm

Uncertainty of Conducted Measurement (WIFI 6G)

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Conducted Power Spectral Density	±0.90 dB
Frequency	±0.04 ppm
Conducted Generated signal Levels	±0.56 dB
Conducted Time	0.38%

Uncertainty of Conducted Measurement (DFS)

Test Item	Uncertainty
Conducted Generated signal Levels	±0.56 dB
Conducted Time	0.38%

**Uncertainty of Conducted Measurement (WWAN Bands)**

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Peak to Average Ratio	±0.50 dB
Frequency Stability	±0.04 ppm

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.84 dB
---	---------

03CH06-KS:(BT/WIFI)

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.30 dB
---	---------

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.06 dB
---	---------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.18 dB
---	---------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.38 dB
---	---------

**03CH04-KS:(WWAN)****Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83dB
---	--------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.82dB
---	--------

-THE END-



Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 41_Ant.4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	21.55	21.63	21.61	0.1219	0.1242	0.1236
20	QPSK	1	99	21.51	21.56	21.59	0.1208	0.1222	0.1230
20	QPSK	100	0	20.54	20.61	20.56	0.0966	0.0982	0.0971
20	16QAM	1	0	20.53	20.55	20.52	0.0964	0.0968	0.0962
20	64QAM	1	0	19.54	19.57	19.51	0.0767	0.0773	0.0762
20	256QAM	1	0	16.52	16.69	16.54	0.0383	0.0398	0.0385
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	21.53	21.55	21.54	0.1213	0.1219	0.1216
15	16QAM	1	0	20.51	20.52	20.43	0.0959	0.0962	0.0942
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	21.44	21.58	21.60	0.1189	0.1227	0.1233
10	16QAM	1	0	20.52	20.55	20.50	0.0962	0.0968	0.0957
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	21.52	21.59	21.58	0.1211	0.1230	0.1227
5	16QAM	1	0	20.45	20.50	20.42	0.0946	0.0957	0.0940



LTE Band 41C_Ant.1:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.44	0.1159
M	QPSK	1	Max	1	0	22.31	0.1125
H	QPSK	1	Max	1	0	22.03	0.1054
L	16QAM	1	Max	1	0	21.33	0.0897
M	16QAM	1	Max	1	0	21.33	0.0897
H	16QAM	1	Max	1	0	21.33	0.0897
L	64QAM	1	Max	1	0	19.61	0.0604
M	64QAM	1	Max	1	0	19.29	0.0561
H	64QAM	1	Max	1	0	19.32	0.0565
L	256QAM	1	Max	1	0	17.33	0.0357
M	256QAM	1	Max	1	0	17.31	0.0356
H	256QAM	1	Max	1	0	17.37	0.0361
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.23	0.1104
M	16QAM	1	Max	1	0	21.05	0.0841
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.40	0.1148
M	16QAM	1	Max	1	0	21.18	0.0867
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	25.40	0.2291
M	16QAM	1	Max	1	0	23.99	0.1656
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.23	0.1104
M	16QAM	1	Max	1	0	21.10	0.0851
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.28	0.1117
M	16QAM	1	Max	1	0	20.93	0.0818



Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.39	0.1146
M	16QAM	1	Max	1	0	20.90	0.0813
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.27	0.1114
M	16QAM	1	Max	1	0	20.79	0.0793
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.43	0.1156
M	16QAM	1	Max	1	0	21.14	0.0859
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.42	0.1153
M	16QAM	1	Max	1	0	20.85	0.0804



Appendix B. Radiated Spurious Emission

Test Engineer :	Carl Ni	Relative Humidity :	41 ~ 42%
		Temperature :	21°C~22°C

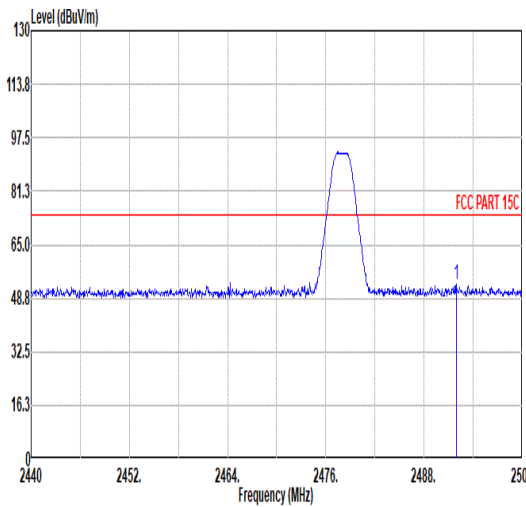
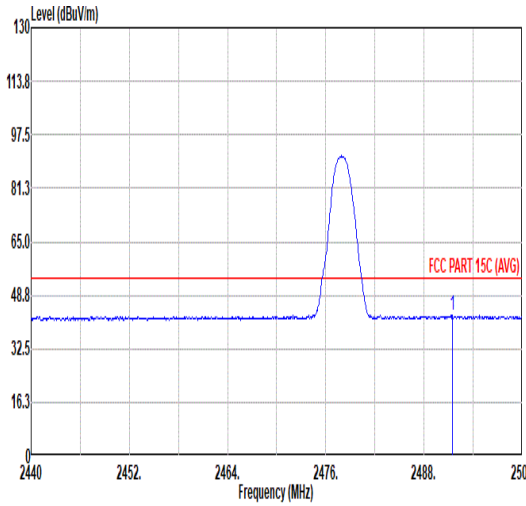
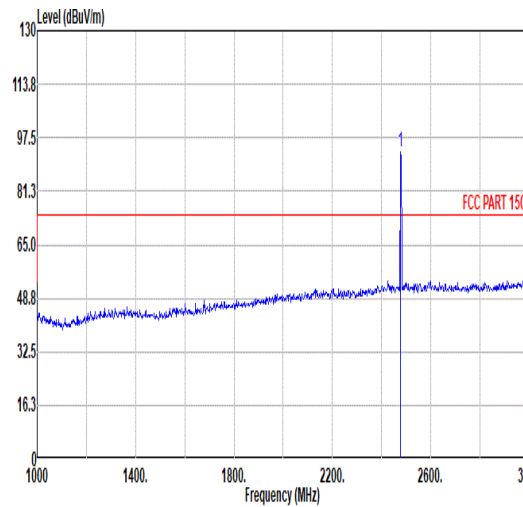
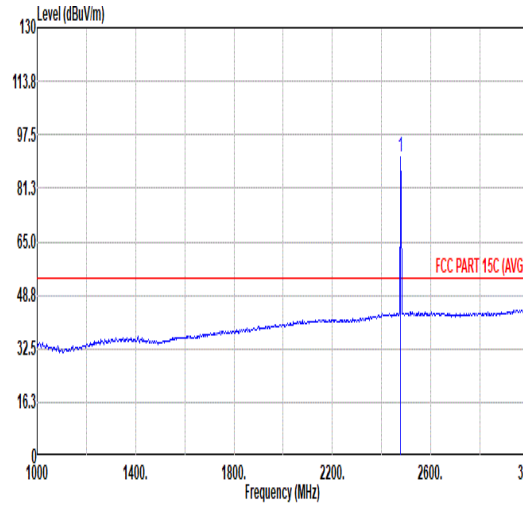
Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	2400-2483.5	6	Bluetooth-LE_GSKF	38	2478	2Mbps	Full	-
	U-NII-5	5.925-6.425	CDD 5+7	802.11ax HE80	7	5985	MCS0	Full	-
	27Q N78 BW=100M								

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth-LE_GSKF	38	2496.58	42.64	54.00	-11.36	V	AVERAGE	Pass	Band Edge
	Bluetooth-LE_GSKF	38	7434.00	43.61	74.00	-30.39	V	PEAK	Pass	Harmonic
	802.11ax HE80	7	5922.76	65.14	68.20	-3.06	V	Peak	Pass	Band Edge
	802.11ax HE80	7	11970.00	39.90	54.00	-14.10	H	AVERAGE	Pass	Harmonic

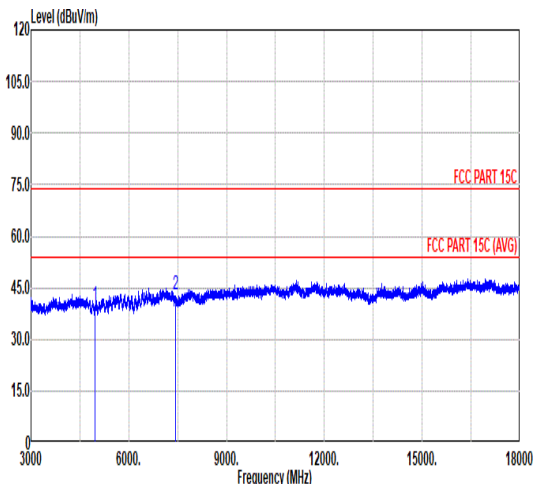
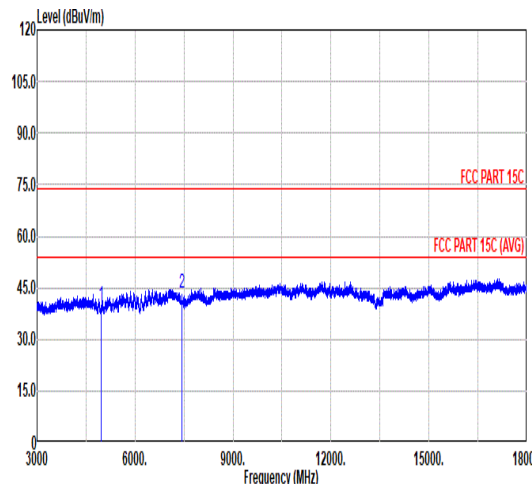


Mode	1																																																							
	Co-location Band Edge																																																							
	Bluetooth-LE_GSKF_CH38_2478MHz_Full																																																							
ANT	6																																																							
Pol.	Horizontal																																																							
Peak	Fundamental																																																							
																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2491.96</td><td>52.76</td><td>74.00</td><td>-21.24</td><td>39.61</td><td>32.65</td><td>6.74</td><td>32.24</td><td>6.00</td><td>100</td><td>244 PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2491.96	52.76	74.00	-21.24	39.61	32.65	6.74	32.24	6.00	100	244 PEAK
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																														
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2491.96	52.76	74.00	-21.24	39.61	32.65	6.74	32.24	6.00	100	244 PEAK																																													
Avg																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2491.48</td><td>42.58</td><td>54.00</td><td>-11.42</td><td>29.43</td><td>32.65</td><td>6.74</td><td>32.24</td><td>6.00</td><td>100</td><td>244 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2491.48	42.58	54.00	-11.42	29.43	32.65	6.74	32.24	6.00	100	244 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																													
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2491.48	42.58	54.00	-11.42	29.43	32.65	6.74	32.24	6.00	100	244 AVERAGE																																													
Peak																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2478.00</td><td>93.28</td><td>-----</td><td>-----</td><td>80.21</td><td>32.57</td><td>6.73</td><td>32.23</td><td>6.00</td><td>100</td><td>244 PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2478.00	93.28	-----	-----	80.21	32.57	6.73	32.23	6.00	100	244 PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																													
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2478.00	93.28	-----	-----	80.21	32.57	6.73	32.23	6.00	100	244 PEAK																																													
Avg																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2478.00</td><td>90.99</td><td>-----</td><td>-----</td><td>77.92</td><td>32.57</td><td>6.73</td><td>32.23</td><td>6.00</td><td>100</td><td>244 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2478.00	90.99	-----	-----	77.92	32.57	6.73	32.23	6.00	100	244 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																													
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2478.00	90.99	-----	-----	77.92	32.57	6.73	32.23	6.00	100	244 AVERAGE																																													

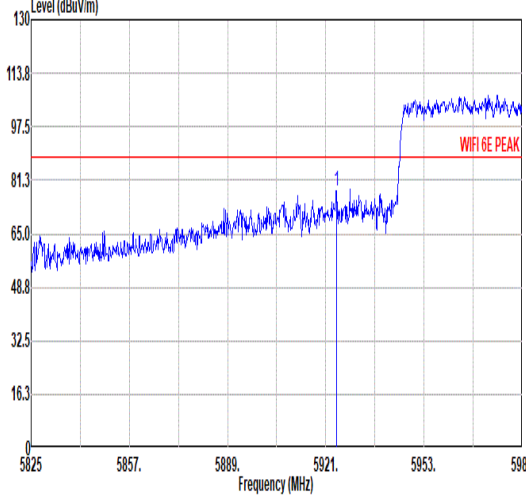
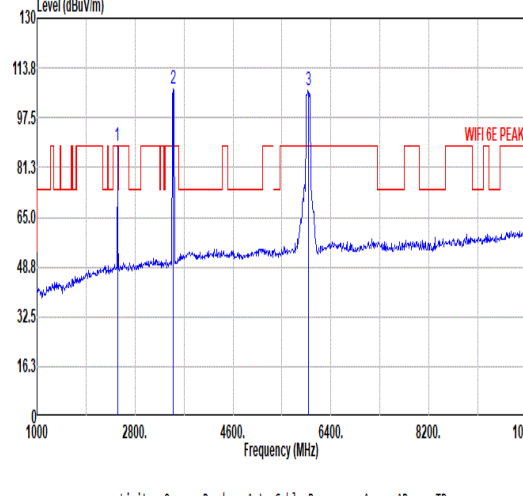
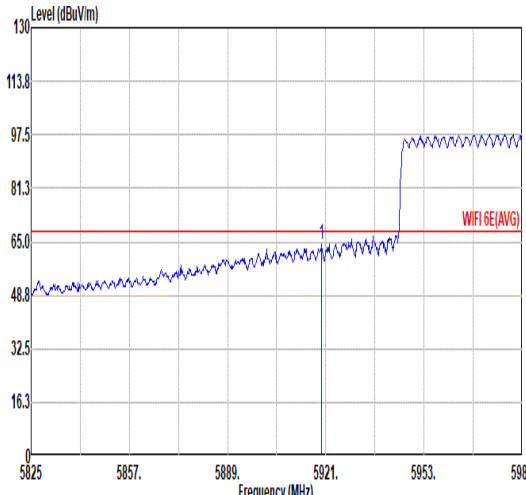
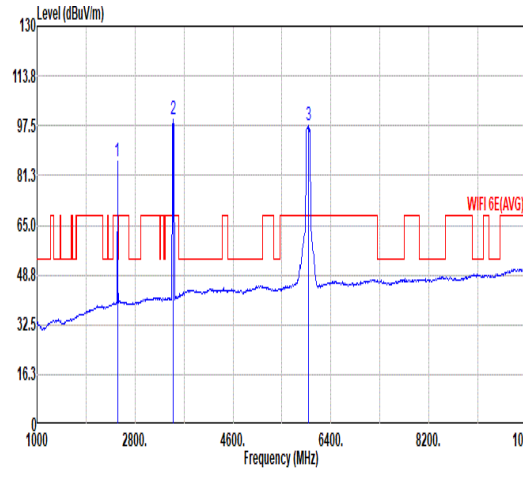


Mode	1																																																							
	Co-location Band Edge																																																							
	Bluetooth-LE_GSKF_CH38_2478MHz_Full																																																							
ANT	6																																																							
Pol.	Vertical																																																							
Peak																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2497.30</td><td>52.91</td><td>74.00</td><td>-21.09</td><td>39.72</td><td>32.68</td><td>6.75</td><td>32.24</td><td>6.00</td><td>138</td><td>96 PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2497.30	52.91	74.00	-21.09	39.72	32.68	6.75	32.24	6.00	138	96 PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2497.30	52.91	74.00	-21.09	39.72	32.68	6.75	32.24	6.00	138	96 PEAK																																													
Fundamental																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2478.00</td><td>97.26</td><td>-----</td><td>-----</td><td>84.19</td><td>32.57</td><td>6.73</td><td>32.23</td><td>6.00</td><td>138</td><td>96 PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2478.00	97.26	-----	-----	84.19	32.57	6.73	32.23	6.00	138	96 PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2478.00	97.26	-----	-----	84.19	32.57	6.73	32.23	6.00	138	96 PEAK																																													
Avg																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2496.58</td><td>42.64</td><td>54.00</td><td>-11.36</td><td>29.45</td><td>32.68</td><td>6.75</td><td>32.24</td><td>6.00</td><td>138</td><td>96 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2496.58	42.64	54.00	-11.36	29.45	32.68	6.75	32.24	6.00	138	96 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2496.58	42.64	54.00	-11.36	29.45	32.68	6.75	32.24	6.00	138	96 AVERAGE																																													
Fundamental																																																								
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2478.00</td><td>94.98</td><td>-----</td><td>-----</td><td>81.91</td><td>32.57</td><td>6.73</td><td>32.23</td><td>6.00</td><td>138</td><td>96 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2478.00	94.98	-----	-----	81.91	32.57	6.73	32.23	6.00	138	96 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																														
1	2478.00	94.98	-----	-----	81.91	32.57	6.73	32.23	6.00	138	96 AVERAGE																																													

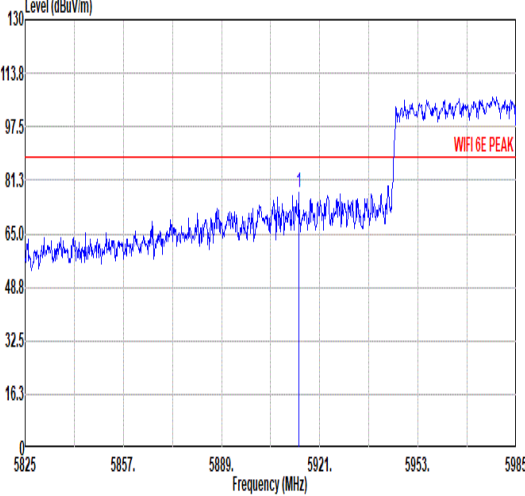
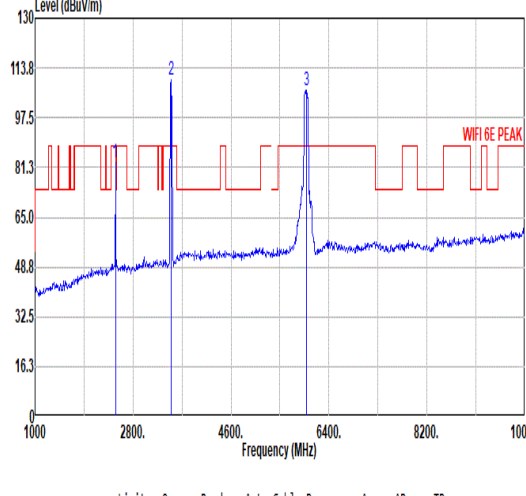
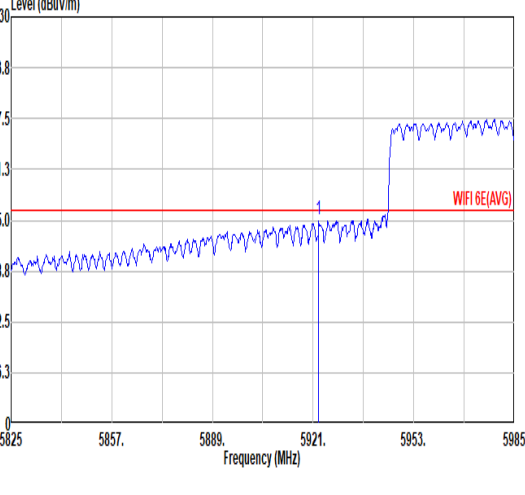
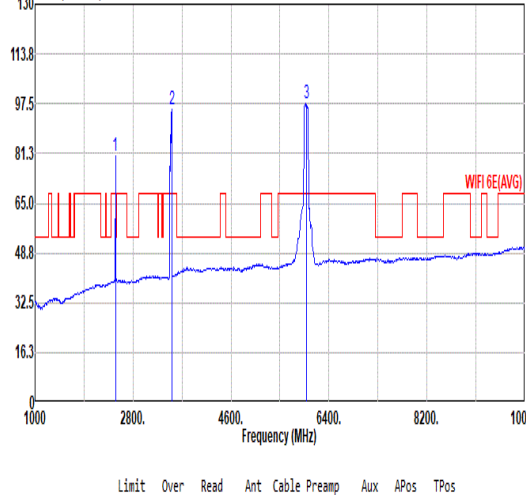


Mode	1																																																																						
	Co-location Harmonic																																																																						
	Bluetooth-LE_GSKF_CH38_2478MHz_Full																																																																						
ANT	6																																																																						
Pol.	Horizontal						Vertical																																																																
Peak Avg																																																																							
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4956.00</td><td>39.93</td><td>74.00</td><td>-34.07</td><td>57.48</td><td>34.00</td><td>9.61</td><td>61.16</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr><tr><td>2</td><td>7434.00</td><td>43.00</td><td>74.00</td><td>-31.00</td><td>56.53</td><td>35.70</td><td>11.77</td><td>61.00</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>													Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4956.00	39.93	74.00	-34.07	57.48	34.00	9.61	61.16	0.00	---	---	PEAK	2	7434.00	43.00	74.00	-31.00	56.53	35.70	11.77	61.00	0.00	---	---	PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																													
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																													
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																													
1	4956.00	39.93	74.00	-34.07	57.48	34.00	9.61	61.16	0.00	---	---	PEAK																																																											
2	7434.00	43.00	74.00	-31.00	56.53	35.70	11.77	61.00	0.00	---	---	PEAK																																																											
<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4956.00</td><td>40.03</td><td>74.00</td><td>-33.97</td><td>57.58</td><td>34.00</td><td>9.61</td><td>61.16</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr><tr><td>2</td><td>7434.00</td><td>43.61</td><td>74.00</td><td>-30.39</td><td>57.14</td><td>35.70</td><td>11.77</td><td>61.00</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>													Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4956.00	40.03	74.00	-33.97	57.58	34.00	9.61	61.16	0.00	---	---	PEAK	2	7434.00	43.61	74.00	-30.39	57.14	35.70	11.77	61.00	0.00	---	---	PEAK	
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																														
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																													
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																													
1	4956.00	40.03	74.00	-33.97	57.58	34.00	9.61	61.16	0.00	---	---	PEAK																																																											
2	7434.00	43.61	74.00	-30.39	57.14	35.70	11.77	61.00	0.00	---	---	PEAK																																																											



		1																																																																																																																								
Mode	Co-location Band Edge																																																																																																																									
	802.11ax HE80_CH7_5985MHz_Full																																																																																																																									
ANT	CDD 5+7																																																																																																																									
Pol.	Horizontal						Fundamental																																																																																																																			
Peak																																																																																																																										
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5924.52</td><td>78.03</td><td>88.20</td><td>-10.17</td><td>64.62</td><td>35.05</td><td>10.52</td><td>32.16</td><td>0.00</td><td>100</td><td>349 PEAK</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5924.52	78.03	88.20	-10.17	64.62	35.05	10.52	32.16	0.00	100	349 PEAK	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2476.00</td><td>88.15</td><td>-----</td><td>81.10</td><td>32.56</td><td>6.72</td><td>32.23</td><td>0.00</td><td>100</td><td>349 Peak</td></tr><tr><td>2</td><td>3502.00</td><td>106.73</td><td>-----</td><td>97.70</td><td>32.70</td><td>8.09</td><td>31.76</td><td>0.00</td><td>100</td><td>349 Peak</td></tr><tr><td>3</td><td>5985.00</td><td>106.49</td><td>-----</td><td>92.79</td><td>35.31</td><td>10.56</td><td>32.17</td><td>0.00</td><td>100</td><td>349 PEAK</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	2476.00	88.15	-----	81.10	32.56	6.72	32.23	0.00	100	349 Peak	2	3502.00	106.73	-----	97.70	32.70	8.09	31.76	0.00	100	349 Peak	3	5985.00	106.49	-----	92.79	35.31	10.56	32.17	0.00	100
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	5924.52	78.03	88.20	-10.17	64.62	35.05	10.52	32.16	0.00	100	349 PEAK																																																																																																															
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	2476.00	88.15	-----	81.10	32.56	6.72	32.23	0.00	100	349 Peak																																																																																																																
2	3502.00	106.73	-----	97.70	32.70	8.09	31.76	0.00	100	349 Peak																																																																																																																
3	5985.00	106.49	-----	92.79	35.31	10.56	32.17	0.00	100	349 PEAK																																																																																																																
Avg																																																																																																																										
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5919.72</td><td>64.40</td><td>68.20</td><td>-3.80</td><td>51.03</td><td>35.02</td><td>10.51</td><td>32.16</td><td>0.00</td><td>100</td><td>349 AVERAGE</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5919.72	64.40	68.20	-3.80	51.03	35.02	10.51	32.16	0.00	100	349 AVERAGE	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2476.00</td><td>85.90</td><td>-----</td><td>78.85</td><td>32.56</td><td>6.72</td><td>32.23</td><td>0.00</td><td>100</td><td>349 Average</td></tr><tr><td>2</td><td>3502.00</td><td>99.79</td><td>-----</td><td>90.76</td><td>32.70</td><td>8.09</td><td>31.76</td><td>0.00</td><td>100</td><td>349 Average</td></tr><tr><td>3</td><td>5985.00</td><td>97.83</td><td>-----</td><td>84.09</td><td>35.34</td><td>10.57</td><td>32.17</td><td>0.00</td><td>100</td><td>349 AVERAGE</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	2476.00	85.90	-----	78.85	32.56	6.72	32.23	0.00	100	349 Average	2	3502.00	99.79	-----	90.76	32.70	8.09	31.76	0.00	100	349 Average	3	5985.00	97.83	-----	84.09	35.34	10.57	32.17	0.00	100
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	5919.72	64.40	68.20	-3.80	51.03	35.02	10.51	32.16	0.00	100	349 AVERAGE																																																																																																															
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	2476.00	85.90	-----	78.85	32.56	6.72	32.23	0.00	100	349 Average																																																																																																																
2	3502.00	99.79	-----	90.76	32.70	8.09	31.76	0.00	100	349 Average																																																																																																																
3	5985.00	97.83	-----	84.09	35.34	10.57	32.17	0.00	100	349 AVERAGE																																																																																																																



		1																																																																																																																								
Mode	Co-location Band Edge																																																																																																																									
	802.11ax HE80_CH7_5985MHz_Full																																																																																																																									
ANT	CDD 5+7																																																																																																																									
Pol.	Vertical						Fundamental																																																																																																																			
Peak																																																																																																																										
	<table><thead><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5914.12</td><td>77.37</td><td>88.20</td><td>-10.83</td><td>64.04</td><td>34.98</td><td>10.51</td><td>32.16</td><td>0.00</td><td>107</td><td>277 PEAK</td></tr></tbody></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5914.12	77.37	88.20	-10.83	64.04	34.98	10.51	32.16	0.00	107	277 PEAK	<table><thead><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>2476.00</td><td>82.71</td><td>-----</td><td>75.66</td><td>32.56</td><td>6.72</td><td>32.23</td><td>0.00</td><td>107</td><td>277 Peak</td></tr><tr><td>2</td><td>3502.00</td><td>110.07</td><td>-----</td><td>101.04</td><td>32.70</td><td>8.09</td><td>31.76</td><td>0.00</td><td>107</td><td>277 Peak</td></tr><tr><td>3</td><td>5985.00</td><td>106.51</td><td>-----</td><td>92.77</td><td>35.34</td><td>10.57</td><td>32.17</td><td>0.00</td><td>107</td><td>277 PEAK</td></tr></tbody></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	2476.00	82.71	-----	75.66	32.56	6.72	32.23	0.00	107	277 Peak	2	3502.00	110.07	-----	101.04	32.70	8.09	31.76	0.00	107	277 Peak	3	5985.00	106.51	-----	92.77	35.34	10.57	32.17	0.00	107
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	5914.12	77.37	88.20	-10.83	64.04	34.98	10.51	32.16	0.00	107	277 PEAK																																																																																																															
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	2476.00	82.71	-----	75.66	32.56	6.72	32.23	0.00	107	277 Peak																																																																																																																
2	3502.00	110.07	-----	101.04	32.70	8.09	31.76	0.00	107	277 Peak																																																																																																																
3	5985.00	106.51	-----	92.77	35.34	10.57	32.17	0.00	107	277 PEAK																																																																																																																
Avg																																																																																																																										
	<table><thead><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5922.76</td><td>65.14</td><td>68.20</td><td>-3.06</td><td>51.75</td><td>35.04</td><td>10.51</td><td>32.16</td><td>0.00</td><td>107</td><td>277 Peak</td></tr></tbody></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5922.76	65.14	68.20	-3.06	51.75	35.04	10.51	32.16	0.00	107	277 Peak	<table><thead><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>2476.00</td><td>80.44</td><td>-----</td><td>73.39</td><td>32.56</td><td>6.72</td><td>32.23</td><td>0.00</td><td>107</td><td>277 Average</td></tr><tr><td>2</td><td>3511.00</td><td>95.72</td><td>-----</td><td>86.63</td><td>32.72</td><td>8.11</td><td>31.74</td><td>0.00</td><td>107</td><td>277 Average</td></tr><tr><td>3</td><td>5985.00</td><td>97.58</td><td>-----</td><td>83.88</td><td>35.31</td><td>10.56</td><td>32.17</td><td>0.00</td><td>107</td><td>277 AVERAGE</td></tr></tbody></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	2476.00	80.44	-----	73.39	32.56	6.72	32.23	0.00	107	277 Average	2	3511.00	95.72	-----	86.63	32.72	8.11	31.74	0.00	107	277 Average	3	5985.00	97.58	-----	83.88	35.31	10.56	32.17	0.00	107
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	5922.76	65.14	68.20	-3.06	51.75	35.04	10.51	32.16	0.00	107	277 Peak																																																																																																															
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																
1	2476.00	80.44	-----	73.39	32.56	6.72	32.23	0.00	107	277 Average																																																																																																																
2	3511.00	95.72	-----	86.63	32.72	8.11	31.74	0.00	107	277 Average																																																																																																																
3	5985.00	97.58	-----	83.88	35.31	10.56	32.17	0.00	107	277 AVERAGE																																																																																																																



Mode	1																																																																	
	Co-location Harmonic																																																																	
	802.11ax HE80_CH7_5985MHz_Full																																																																	
ANT	CDD 5+7																																																																	
Pol.	Horizontal																																																																	
Peak Avg																																																																		
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 11970.00</td><td>47.52</td><td>74.00</td><td>-26.48</td><td>54.88</td><td>38.70</td><td>15.25</td><td>61.31</td><td>0.00</td><td>300</td><td>0 PEAK</td></tr><tr><td>2 11970.00</td><td>39.90</td><td>54.00</td><td>-14.10</td><td>47.26</td><td>38.70</td><td>15.26</td><td>61.32</td><td>0.00</td><td>300</td><td>0 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 11970.00	47.52	74.00	-26.48	54.88	38.70	15.25	61.31	0.00	300	0 PEAK	2 11970.00	39.90	54.00	-14.10	47.26	38.70	15.26	61.32	0.00	300	0 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																							
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																										
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																								
1 11970.00	47.52	74.00	-26.48	54.88	38.70	15.25	61.31	0.00	300	0 PEAK																																																								
2 11970.00	39.90	54.00	-14.10	47.26	38.70	15.26	61.32	0.00	300	0 AVERAGE																																																								
Vertical																																																																		
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1 11970.00</td><td>46.84</td><td>74.00</td><td>-27.16</td><td>54.20</td><td>38.70</td><td>15.25</td><td>61.31</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1 11970.00	46.84	74.00	-27.16	54.20	38.70	15.25	61.31	0.00	---	---	PEAK										
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																							
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																										
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																								
1 11970.00	46.84	74.00	-27.16	54.20	38.70	15.25	61.31	0.00	---	---	PEAK																																																							

Note: For all plots above, the over limit line signals are Fundamental signal which can be ignored.