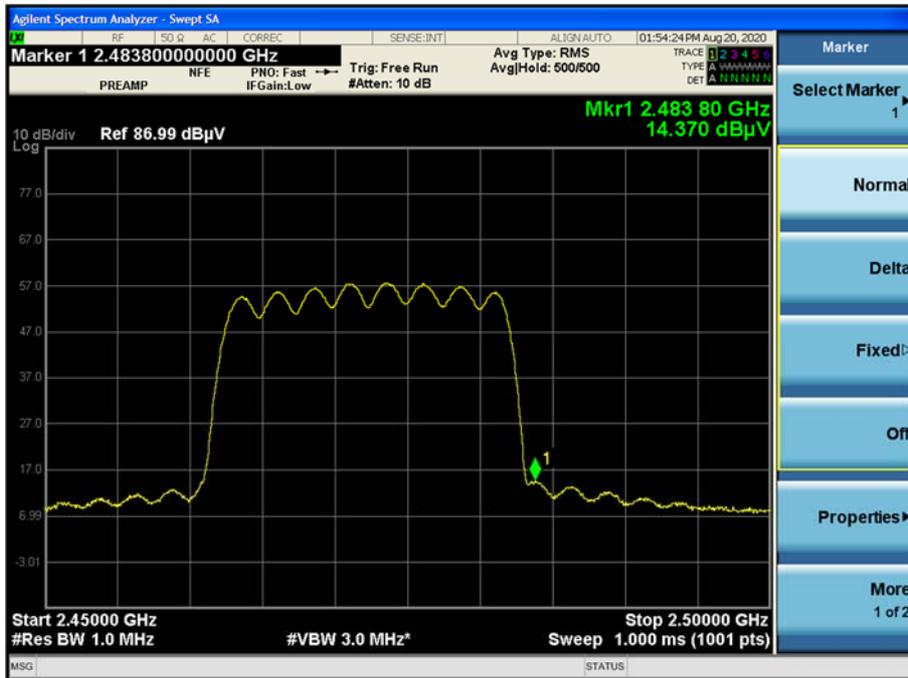
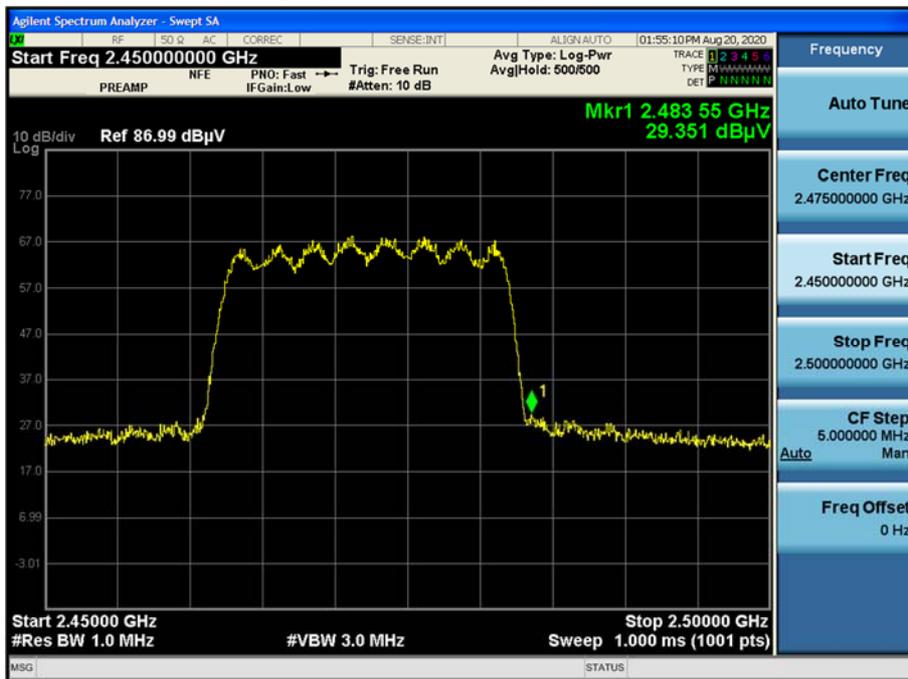


▣ Test Plots

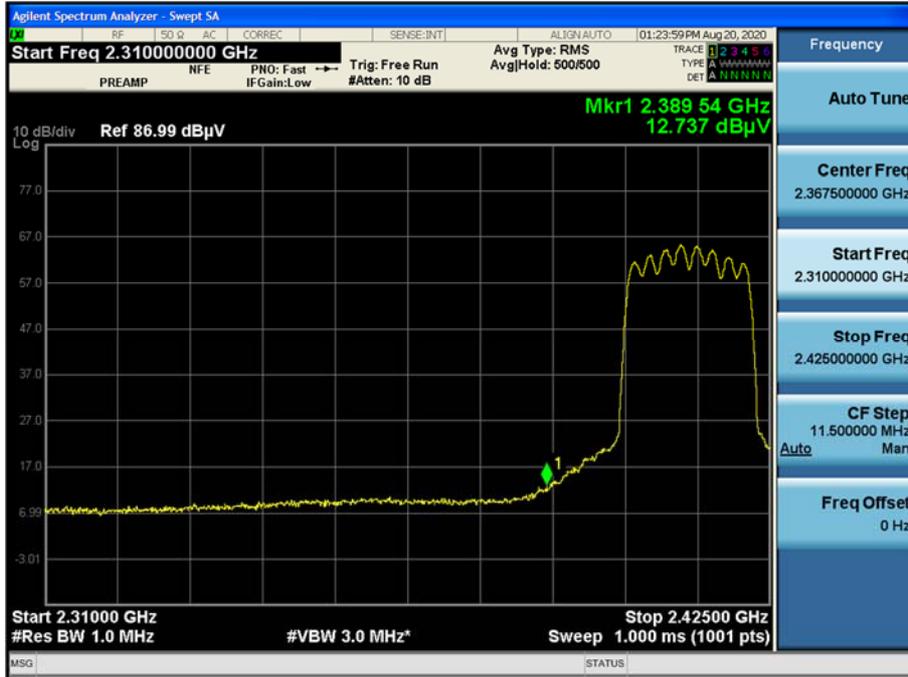
Radiated Restricted Band Edges plot – Average Reading (802.11ax(HE20) Ch.13) 26 T RU 8, X-H



Radiated Restricted Band Edges plot – Peak Reading (802.11ax(HE20) Ch.13) 26 T RU 8, X-H



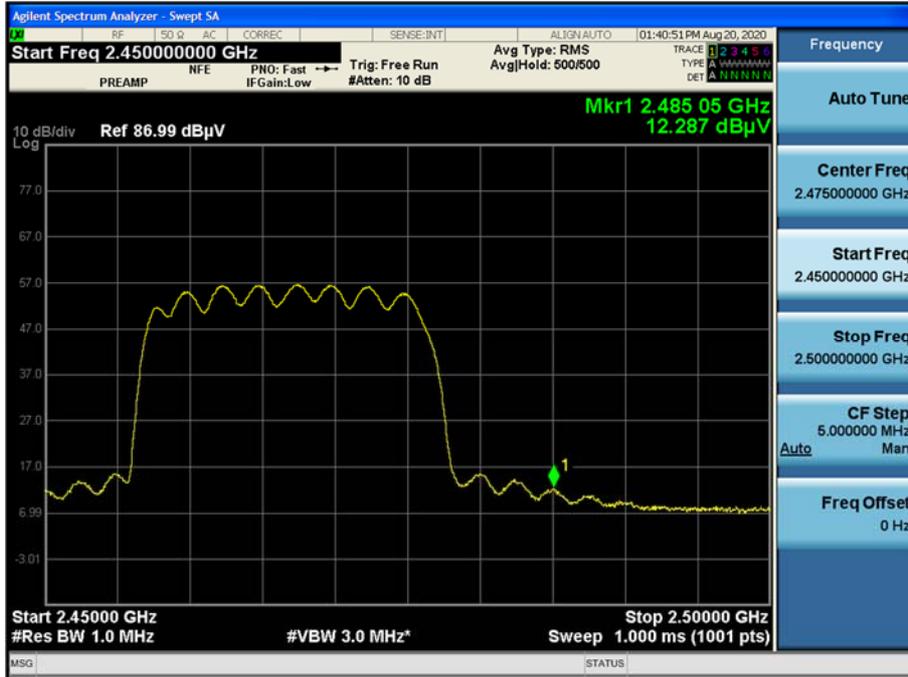
Radiated Restricted Band Edges plot – Average Reading (802.11ax(HE20) Ch.1) SU, X-H



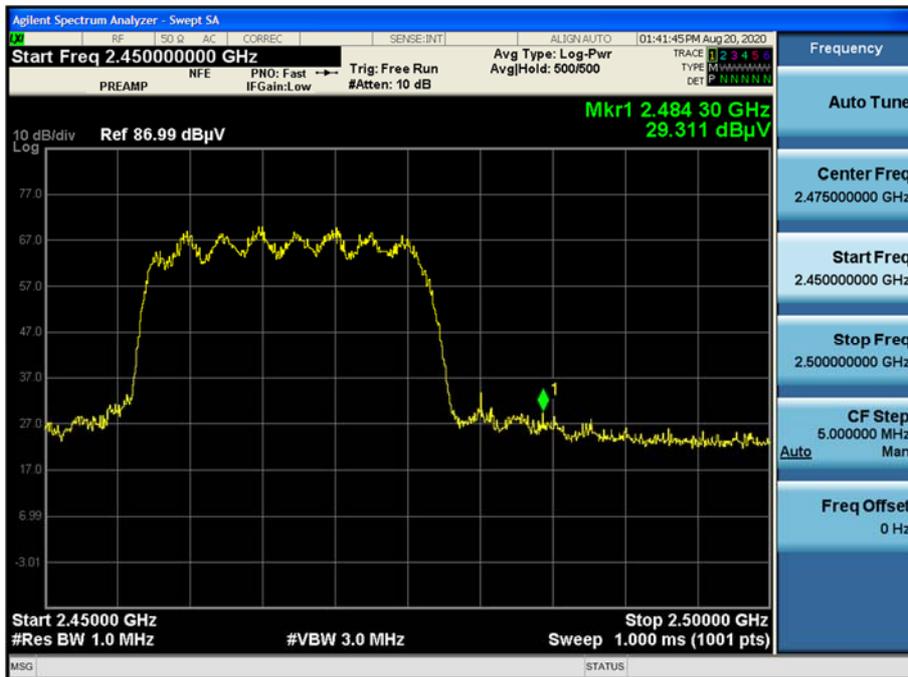
Radiated Restricted Band Edges plot – Peak Reading (802.11ax(HE20) Ch.1) SU, X-H



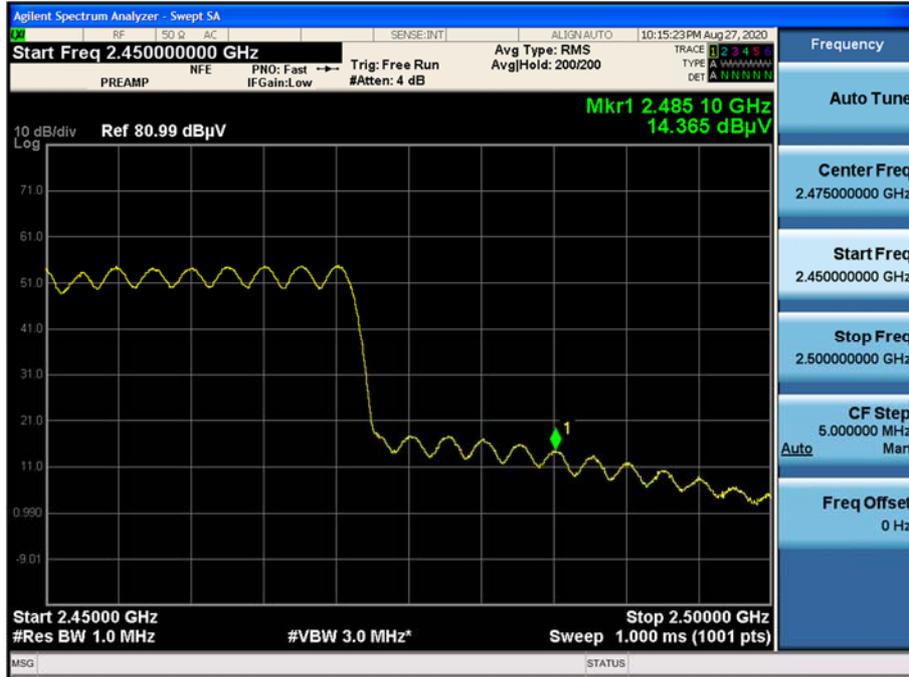
Radiated Restricted Band Edges plot – Average Reading (802.11ax(HE20) Ch.12) SU, X-H



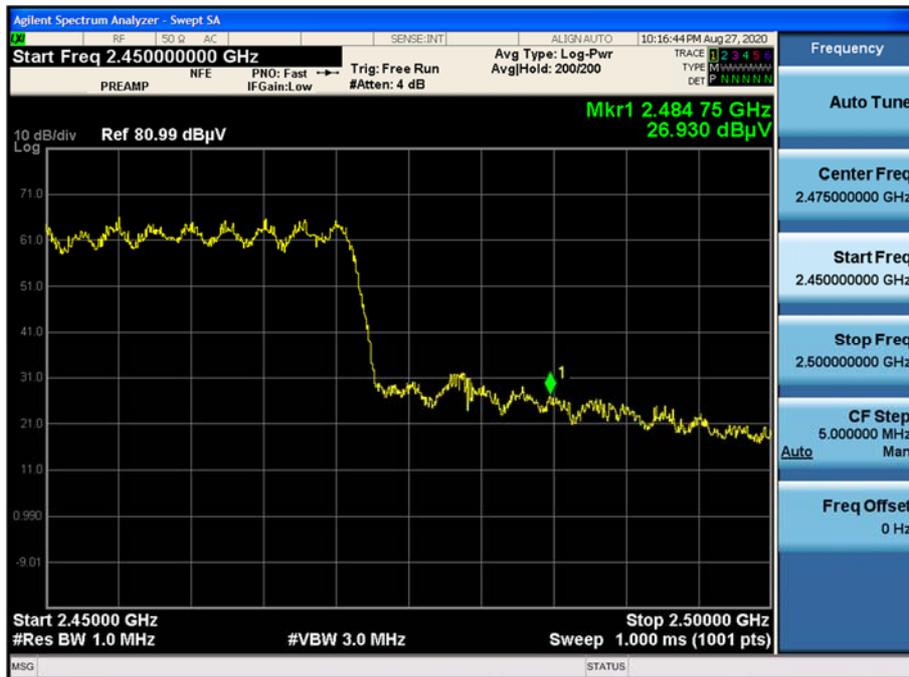
Radiated Restricted Band Edges plot – Peak Reading (802.11ax(HE20) Ch.12) SU, X-H



Radiated Restricted Band Edges plot – Average Reading (802.11ax(HE40) Ch.9) 484 T RU 65, X-H



Radiated Restricted Band Edges plot – Peak Reading (802.11ax(HE40) Ch.9) 484 T RU 65, X-H



Note:

Plot of worst case are only reported.

9.8.2 FFC Cable

1. 242 Tone

Operation Mode: 802.11ax(HE20)
 Transfer MCS Index: 61
 Operating Frequency: 2467 MHz
 Channel No.: 12 Ch

Frequency [MHz]	Reading [dBuV]	Duty Cycle Factor	※ A.F.+CL [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2483.5	27.54	0.00	36.44	H	63.98	73.98	10.00	PK
2483.5	12.82	0.16	36.44	H	49.42	53.98	4.56	AV
2483.5	27.18	0.00	36.44	V	63.62	73.98	10.36	PK
2483.5	12.45	0.16	36.44	V	49.05	53.98	4.93	AV

Operation Mode: 802.11ax(HE20)
 Transfer MCS Index: 61
 Operating Frequency: 2472 MHz
 Channel No.: 13 Ch

Frequency [MHz]	Reading [dBuV]	Duty Cycle Factor	※ A.F.+CL [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2483.5	27.70	0.00	36.44	H	64.14	73.98	9.84	PK
2483.5	13.31	0.16	36.44	H	49.91	53.98	4.07	AV
2483.5	27.07	0.00	36.44	V	63.51	73.98	10.47	PK
2483.5	13.21	0.16	36.44	V	49.80	53.98	4.18	AV



2. 484 Tone

Operation Mode: 802.11ax(HE40)
 Transfer MCS Index: 65
 Operating Frequency: 2422 MHz, 2452 MHz
 Channel No.: 03 Ch, 09 Ch

Frequency [MHz]	Reading [dBuV]	Duty Cycle Factor	※ A.F.+CL [dB]	ANT. POL [H/V]	Total [dBuV/ m]	Limit [dBuV/ m]	Margi n [dB]	Measurem ent Type
2483.5	26.77	0.00	36.44	H	63.21	73.98	10.77	PK
2483.5	14.19	0.16	36.44	H	50.79	53.98	3.19	AV
2483.5	26.45	0.00	36.44	V	62.89	73.98	11.09	PK
2483.5	14.09	0.16	36.44	V	50.69	53.98	3.29	AV

3. SU

Operation Mode: 802.11ax(HE20)
 Operating Frequency: 2467 MHz
 Channel No.: 12 Ch

Frequency [MHz]	Reading [dBuV]	Duty Cycle Factor	※ A.F.+CL [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2483.5	28.67	0.00	36.44	H	65.11	73.98	8.87	PK
2483.5	11.72	2.24	36.44	H	50.40	53.98	3.58	AV
2483.5	28.42	0.00	36.44	V	64.85	73.98	9.13	PK
2483.5	11.63	2.24	36.44	V	50.31	53.98	3.67	AV

Operation Mode: 802.11ax(HE20)
 Operating Frequency: 2472 MHz
 Channel No.: 13 Ch

Frequency [MHz]	Reading [dBuV]	Duty Cycle Factor	※ A.F.+CL [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2483.5	24.92	0.00	36.44	H	61.36	73.98	12.62	PK
2483.5	11.31	2.24	36.44	H	49.98	53.98	4.00	AV
2483.5	24.69	0.00	36.44	V	61.13	73.98	12.85	PK
2483.5	11.14	2.24	36.44	V	49.81	53.98	4.17	AV



Operation Mode: 802.11ax(HE40)
 Operating Frequency: 2422 MHz, 2452 MHz
 Channel No.: 03 Ch, 09 Ch

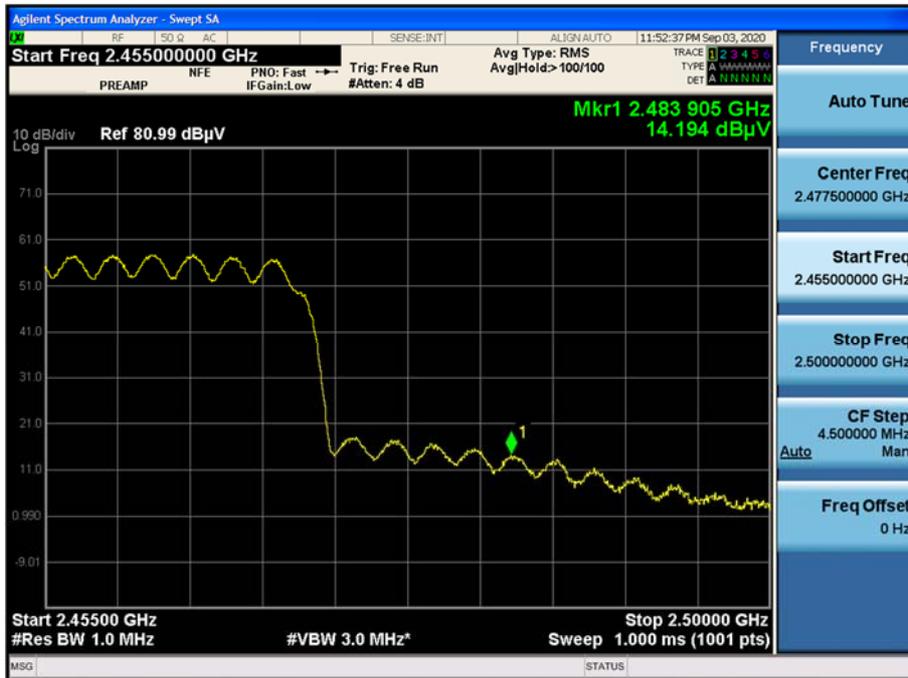
Frequency [MHz]	Reading [dBuV]	Duty Cycle Factor	※ A.F.+CL [dB]	ANT. POL [H/V]	Total [dBuV/ m]	Limit [dBuV/ m]	Margi n [dB]	Measurem ent Type
2483.5	26.86	0.00	36.44	H	63.30	73.98	10.68	PK
2483.5	11.95	2.30	36.44	H	50.69	53.98	3.29	AV
2483.5	26.52	0.00	36.44	V	62.96	73.98	11.02	PK
2483.5	11.58	2.30	36.44	V	50.32	53.98	3.66	AV

Note:

1. The worst case of the basic cable only was tested.

▣ Test Plots

Radiated Restricted Band Edges plot – Average Reading (802.11ax(HE40) Ch.9) 484 T RU 65, X-H



Radiated Restricted Band Edges plot – Peak Reading (802.11ax(HE40) Ch.9) 484 T RU 65, X-H



Note:

Plot of worst case are only reported.

9.9 RECEIVER SPURIOUS EMISSIONS

9.9.1 Basic Cable

Frequency Range : Below 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

Frequency Range : Above 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

9.9.2 FFC Cable

Frequency Range : Below 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

Frequency Range : Above 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Note:

1. The worst case of the basic cable only was tested.

10. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/05/2020	Annual	100033
ESPAC	SU-642 /Temperature Chamber	03/18/2020	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/11/2020	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	05/06/2020	Annual	MY53310623
Agilent	N1911A / Power Meter	04/07/2020	Annual	MY45101406
Agilent	N1921A / Power Sensor	03/23/2020	Annual	MY55220026
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/25/2020	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/12/2020	Annual	KR75303960
Weinschel	2-20 / Attenuator(20 dB)	10/08/2019	Annual	BR0592
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/12/2020	Annual	100422

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	05/18/2020	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/19/2020	Biennial	9160-3368
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/02/2019	Biennial	9168-1039
Schwarzbeck	BBHA 9120D / Horn Antenna	11/18/2019	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	11/29/2019	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/11/2019	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/26/2019	Annual	101068-SZ
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	01/21/2020	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	02/10/2020	Annual	1
CERNEX WEINSCHTEL	CBLU1183540B-01/Broadband Bench Top LNA 56-10 / Attenuator(10 dB)	12/24/2019	Annual	N/A
CERNEX Api tech.	CBL06185030 / Broadband Low Noise Amplifier 18B-03 / Attenuator (3 dB)	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
T&M SYSTEM	COAXIAL ATTENUATOR / Thru	12/24/2019	Annual	N/A
CERNEX	CBL18265035 / Power Amplifier	12/26/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	03/23/2020	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/18/2020	Annual	3000C000276

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

11. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2009-FI004-P