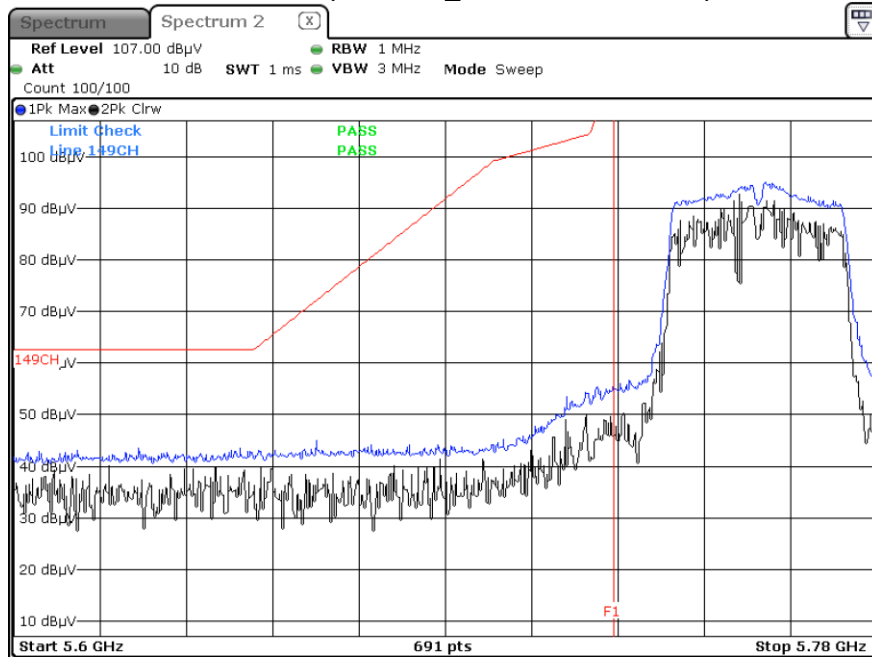
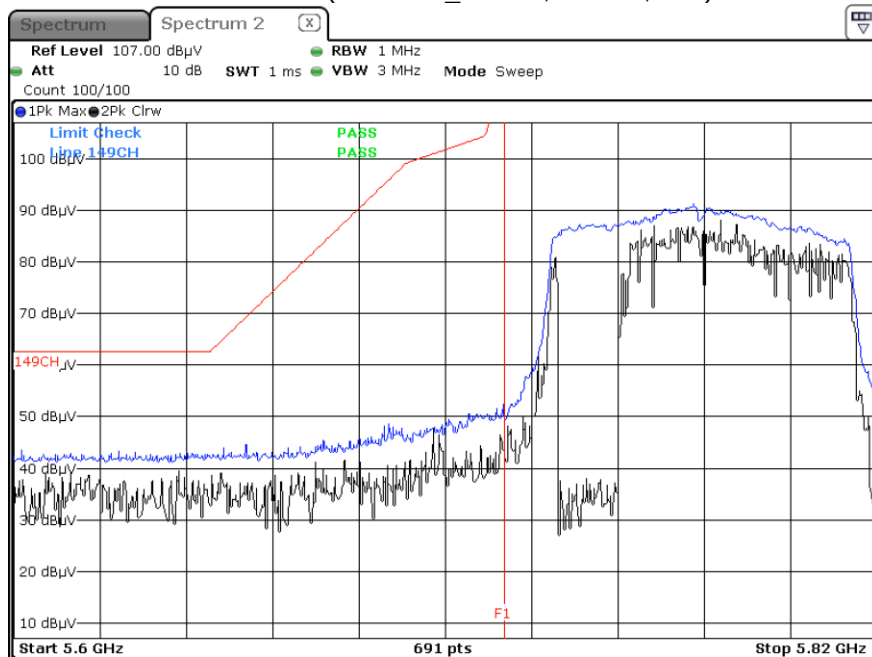


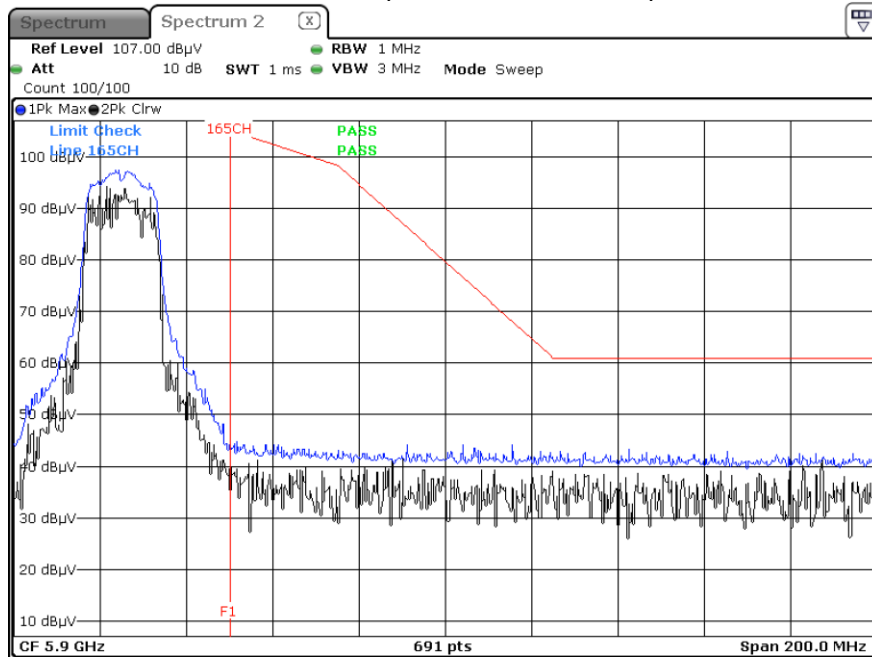
Peak Result (802.11ac_VHT40, Ch.151, X-H)



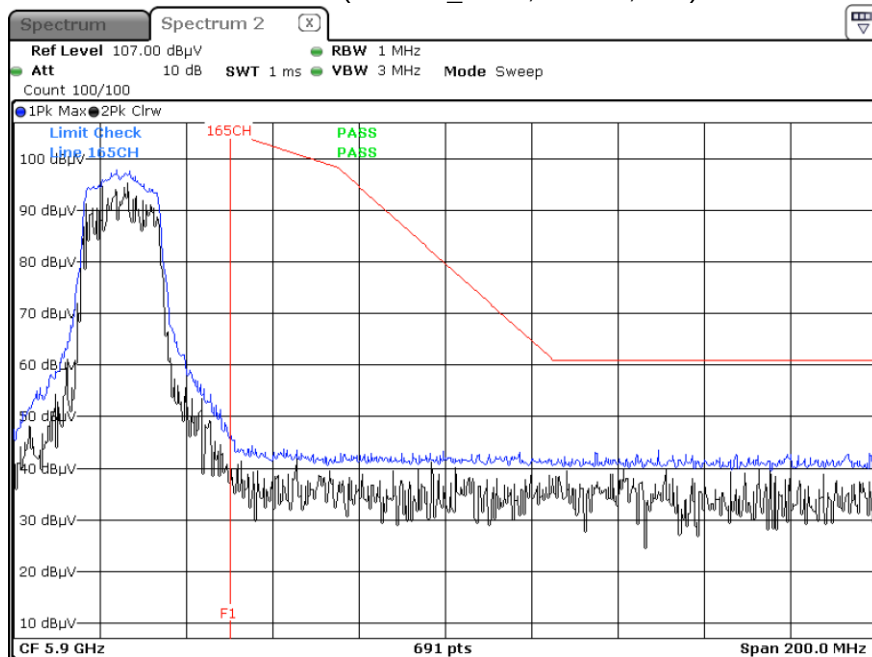
Peak Result (802.11ac_VHT80, Ch.155, X-H)



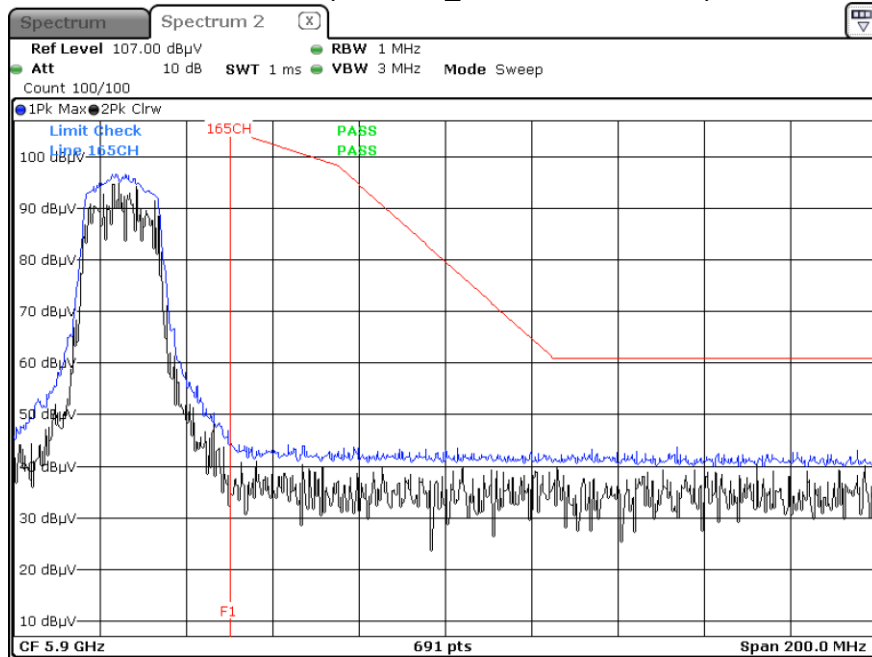
Peak Result (802.11a, Ch.165, X-H)



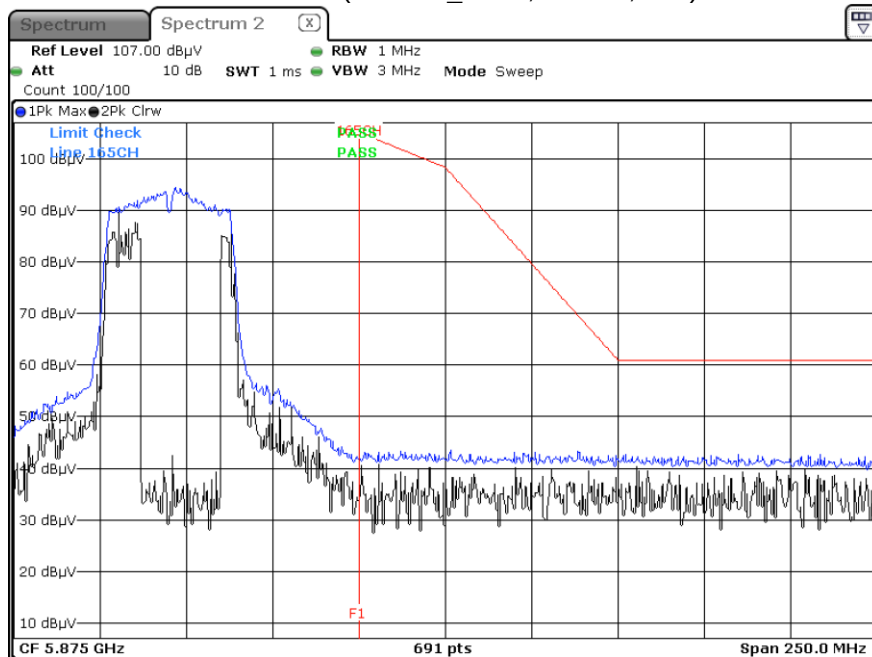
Peak Result (802.11n_HT20, Ch.165, X-H)



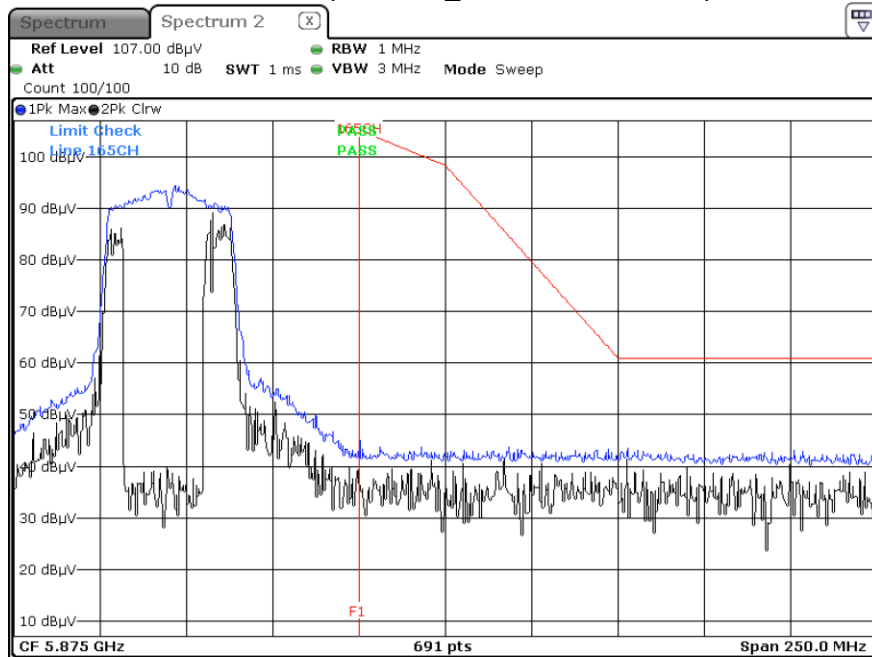
Peak Result (802.11ac_VHT20, Ch.165, X-H)



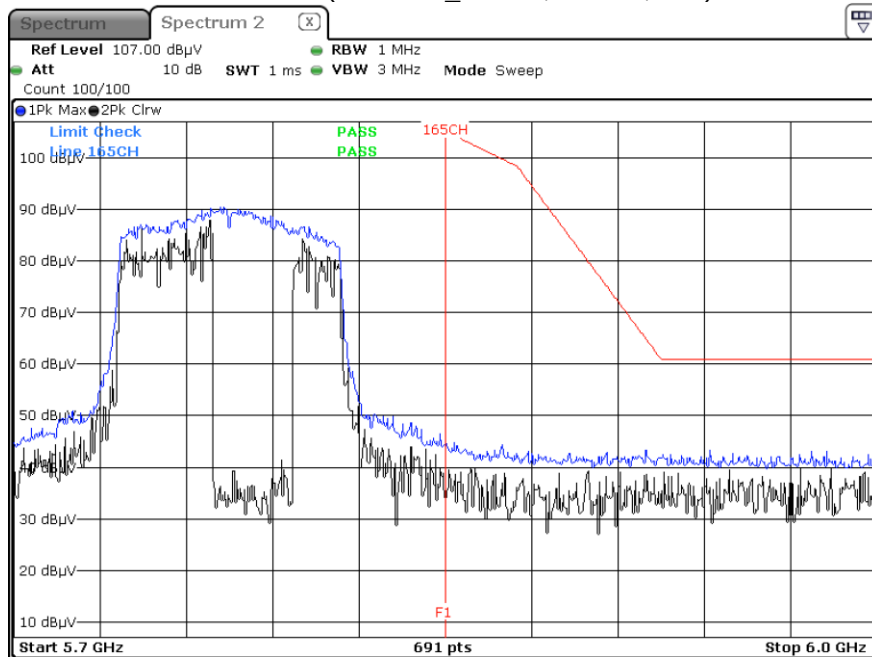
Peak Result (802.11n_HT40, Ch.159, X-H)



Peak Result (802.11ac_VHT40, Ch.159, X-H)



Peak Result (802.11ac_VHT80, Ch.155, X-H)



Note :

1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

10.9 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

5G WLAN L1

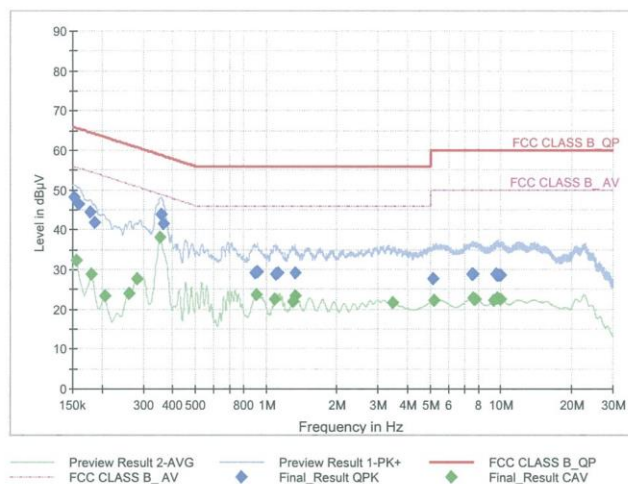
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Test Report

Common Information

EUT : SM-A736B/DS
Manufacturer : SAMSUNG
Test Site: SHIELD ROOM
Operating Conditions : 5G WLAN L1
Operator Name:
Comment:

Full Spectrum



Final Result QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1523	48.15	65.88	17.72	9.000	L1	OFF	9.6
0.1590	46.45	65.52	19.07	9.000	L1	OFF	9.6
0.1770	44.44	64.63	20.18	9.000	L1	OFF	9.6
0.1860	41.74	64.21	22.47	9.000	L1	OFF	9.6
0.3570	43.92	58.80	14.88	9.000	L1	OFF	9.6
0.3638	41.49	58.64	17.15	9.000	L1	OFF	9.6
0.8938	29.10	56.00	26.90	9.000	L1	OFF	9.7
0.9185	29.47	56.00	26.53	9.000	L1	OFF	9.7
1.0963	28.78	56.00	27.22	9.000	L1	OFF	9.7
1.1233	29.06	56.00	26.94	9.000	L1	OFF	9.7
1.3258	29.03	56.00	26.97	9.000	L1	OFF	9.7
5.1035	27.78	60.00	32.22	9.000	L1	OFF	9.9
7.5448	28.84	60.00	31.16	9.000	L1	OFF	10.0
7.6100	28.79	60.00	31.21	9.000	L1	OFF	10.0
9.5653	28.82	60.00	31.18	9.000	L1	OFF	10.0
9.6553	28.65	60.00	31.35	9.000	L1	OFF	10.0
9.7430	28.64	60.00	31.36	9.000	L1	OFF	10.0
9.9523	28.49	60.00	31.51	9.000	L1	OFF	10.0

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5G WLAN L1

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Final Result CAV

Frequency (MHz)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1545	32.28	55.75	23.47	9.000	L1	OFF	9.6
0.1793	28.95	54.52	25.57	9.000	L1	OFF	9.6
0.2063	23.46	53.36	29.89	9.000	L1	OFF	9.6
0.2603	23.87	51.42	27.55	9.000	L1	OFF	9.6
0.2828	27.83	50.74	22.90	9.000	L1	OFF	9.6
0.3525	38.17	48.90	10.74	9.000	L1	OFF	9.6
0.9118	23.59	46.00	22.41	9.000	L1	OFF	9.7
1.0895	22.53	46.00	23.47	9.000	L1	OFF	9.7
1.2988	22.04	46.00	23.96	9.000	L1	OFF	9.7
1.3258	23.26	46.00	22.74	9.000	L1	OFF	9.7
3.4610	21.55	46.00	24.45	9.000	L1	OFF	9.8
5.1598	22.12	50.00	27.88	9.000	L1	OFF	9.9
7.6258	22.65	50.00	27.35	9.000	L1	OFF	10.0
7.6483	22.64	50.00	27.36	9.000	L1	OFF	10.0
7.7788	22.42	50.00	27.58	9.000	L1	OFF	10.0
9.3425	22.26	50.00	27.74	9.000	L1	OFF	10.0
9.6733	22.66	50.00	27.34	9.000	L1	OFF	10.0
9.9815	22.38	50.00	27.62	9.000	L1	OFF	10.0

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Conducted Emissions (Line 2)

5G WLAN N

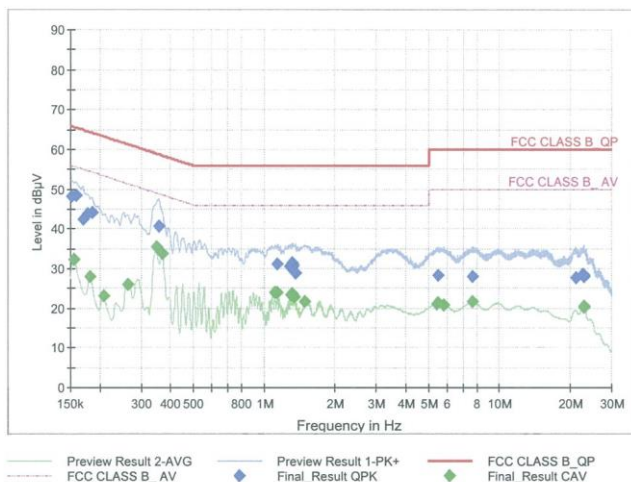
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Test Report

Common Information

EUT : SM-A736B/DS
Manufacturer : SAMSUNG
Test Site: SHIELD ROOM
Operating Conditions : 5G WLAN N
Operator Name:
Comment:

Full Spectrum



Final Result QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1523	48.21	65.88	17.67	9.000	N	OFF	9.6
0.1590	48.55	65.52	16.97	9.000	N	OFF	9.6
0.1703	42.44	64.95	22.51	9.000	N	OFF	9.6
0.1770	43.77	64.63	20.86	9.000	N	OFF	9.6
0.1860	44.01	64.21	20.21	9.000	N	OFF	9.6
0.3548	40.66	58.85	18.19	9.000	N	OFF	9.6
1.1413	31.12	56.00	24.88	9.000	N	OFF	9.7
1.2898	30.62	56.00	25.38	9.000	N	OFF	9.7
1.3145	30.29	56.00	25.71	9.000	N	OFF	9.7
1.3213	31.40	56.00	24.60	9.000	N	OFF	9.7
1.3258	30.97	56.00	25.03	9.000	N	OFF	9.7
1.3595	28.93	56.00	27.07	9.000	N	OFF	9.7
5.4905	28.25	60.00	31.75	9.000	N	OFF	9.9
7.7293	27.88	60.00	32.12	9.000	N	OFF	10.0
21.0583	27.59	60.00	32.41	9.000	N	OFF	10.5
22.7098	28.50	60.00	31.50	9.000	N	OFF	10.5
22.9483	28.00	60.00	32.00	9.000	N	OFF	10.6
22.9730	28.30	60.00	31.70	9.000	N	OFF	10.6

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5G WLAN N

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Final Result CAV

Frequency (MHz)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.1545	32.38	55.75	23.38	9.000	N	OFF	9.6
0.1815	28.05	54.42	26.37	9.000	N	OFF	9.6
0.2085	23.20	53.27	30.06	9.000	N	OFF	9.6
0.2625	25.97	51.35	25.38	9.000	N	OFF	9.6
0.3480	35.46	49.01	13.55	9.000	N	OFF	9.6
0.3683	33.81	48.54	14.73	9.000	N	OFF	9.6
1.1120	23.81	46.00	22.19	9.000	N	OFF	9.7
1.1368	24.02	46.00	21.98	9.000	N	OFF	9.7
1.2943	23.24	46.00	22.76	9.000	N	OFF	9.7
1.3213	23.68	46.00	22.32	9.000	N	OFF	9.7
1.3483	22.82	46.00	23.18	9.000	N	OFF	9.7
1.4810	21.73	46.00	24.27	9.000	N	OFF	9.7
5.4298	21.11	50.00	28.89	9.000	N	OFF	9.9
5.4905	21.26	50.00	28.74	9.000	N	OFF	9.9
5.8213	20.86	50.00	29.14	9.000	N	OFF	9.9
7.7293	21.51	50.00	28.49	9.000	N	OFF	10.0
22.8133	20.36	50.00	29.64	9.000	N	OFF	10.6
22.8200	20.28	50.00	29.72	9.000	N	OFF	10.6

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11. LIST OF TEST EQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	08/23/2022	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	06/17/2022	Annual
Temperature Chamber	SU-642	ESPACE	0093008124	03/15/2022	Annual
Signal Analyzer	N9030A	Agilent	MY49431210	01/11/2023	Annual
Power Measurement Set	OSP 120	Rohde & Schwarz	101231	07/02/2022	Annual
Power Meter	N1911A	Agilent	MY45100523	04/08/2022	Annual
Power Sensor	N1921A	Keysight	MY57820067	04/08/2022	Annual
Directional Coupler	87300B	Agilent	3116A03621	11/02/2022	Annual
Power Splitter	11667B	Hewlett Packard	05001	05/20/2022	Annual
DC Power Supply	E3632A	Hewlett Packard	MY50360067	02/16/2022	Annual
Attenuator(10 dB)	8493C	Hewlett Packard	07560	06/18/2022	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	HCT CO., LTD.	N/A	N/A	N/A

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

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/19/2022	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	760	02/22/2023	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02299	05/19/2022	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170541	11/16/2023	Biennial
Spectrum Analyzer	FSV40-N	Rohde & Schwarz	102168	07/05/2022	Annual
Signal Analyzer	N9030A	Agilent	MY49431210	01/11/2023	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	06/24/2022	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	06/24/2022	Annual
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	01/06/2023	Annual
Band Reject Filter	WRCJV5100/5850-40/50-8EEK	Wainwright Instruments	1	02/07/2023	Annual
High Pass Filter	WHK3.0/18G-10EF	Wainwright Instruments	8	01/21/2023	Annual
High Pass Filter	WHKX8-6090-7000-18000-40SS	Wainwright Instruments	25	01/21/2023	Annual
Attenuator (3 dB)	18B-03	Api tech.	1	01/21/2023	Annual
Attenuator(10 dB)	8493C-10	Agilent	08285	01/21/2023	Annual
Power Amplifier	CBLU1183540	CERNEX	22964	01/21/2023	Annual
Power Amplifier	CBL06185030	CERNEX	22965	01/21/2023	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/02/2022	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/23/2022	Annual

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).

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2202-FC022-P