RF EXPOSURE EVALUATION REPORT

APPLICANT	:	Horizon Powered USA Inc.
PRODUCT NAME	:	5G Wi-Fi6 AX5400 CPE
MODEL NAME	:	HZ51
BRAND NAME	:	Horizon
FCC ID	:	2BE94HZ51
STANDARD(S)	:	FCC 47 CFR Part 2 (2.1091)
RECEIPT DATE	:	2024-06-28
TEST DATE	:	2024-10-24
ISSUE DATE	:	2024-11-20

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Change History		
Version	Date	Reason for Change
1.0	2024-11-20	First edition

1. Technical Information

Note: Provide by applicant.

1.1 Applicant and Manufacturer Information

Applicant:	Horizon Powered USA Inc.
Applicant Address:	8350 NW 52nd Terrace, Suite 301 Miami, Florida 33166 United States
Manufacturer:	Horizon Powered USA Inc.
Manufacturer Address:	8350 NW 52nd Terrace, Suite 301 Miami, Florida 33166 United States

1.2 Equipment under Test (EUT) Description

Product Name:	5G Wi-Fi6 AX5400 CPE
EUT No.:	(N/A, marked 3# by test site)
Hardware Version:	V10C
Software Version:	V1.0.1
Frequency Bands:	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 29 (RX): 717 MHz ~ 728 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3550 MHz; 3550 MHz ~ 3600 MHz LTE Band 43: 3600 MHz ~ 3700 MHz; 3700 MHz ~ 3800 MHz LTE Band 46(RX): 5150 MHz ~ 5925 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2: 1850 MHz ~ 1910 MHz

<table>
<tr><td></td><td colspan="3">5G NR n5: 824 MHz ~ 849 MHz
5G NR n7: 2500 MHz ~ 2570 MHz
5G NR n12: 699 MHz ~ 716 MHz
5G NR n25: 1850 MHz ~ 1915 MHz
5G NR n41: 2496 MHz ~ 2690 MHz
5G NR n48: 3550 MHz ~ 3700 MHz
5G NR n66: 1710 MHz ~ 1780 MHz
5G NR n70: 1695 MHz ~ 1710 MHz
5G NR n71: 663 MHz ~ 698 MHz
5G NR n77: 3450 MHz ~ 3550 MHz; 3700 MHz ~3980 MHz
5G NR n78: 3450 MHz ~ 3550 MHz; 3700 MHz ~ 3800 MHz
WLAN 2.4GHz: 2412 MHz ~ 2462 MHz
WLAN 5.2GHz: 5180 MHz ~ 5240 MHz
WLAN 5.3GHz: 5260 MHz ~ 5320 MHz
WLAN 5.5GHz: 5500 MHz ~ 5720 MHz
WLAN 5.8GHz: 5745 MHz ~ 5825 MHz</td></tr>
<tr><td>Modulation Mode:</td><td colspan="3">LTE: QPSK,16QAM,64QAM, 256QAM
5G NR: DFT-s-OFDM/CP-OFDM, PI/2 BPSK
QPSK, 16QAM, 64QAM, 256QAM
802.11b: DSSS
802.11a/g/n-HT20/HT40/ac-VHT20/40/80/160: OFDM
802.11ax-HEW20/40/80/160: OFDMA</td></tr>
<tr><td>Carrier Aggregation:</td><td colspan="3">Uplink & Downlink</td></tr>
<tr><td>Antenna Type:</td><td colspan="3">WWAN: Fixed Internal Antenna & Fixed External Antenna
WLAN: PCB Antenna</td></tr>
<tr><td rowspan="12">Antenna Gain:</td><td rowspan="2">Frequency Bands</td><td colspan="2">Antenna Gain (dBi)</td></tr>
<tr><td>Fixed Internal Antenna</td><td>Fixed External Antenna</td></tr>
<tr><td>LTE Band 2</td><td>3.16</td><td>1.29</td></tr>
<tr><td>LTE Band 4</td><td>3.17</td><td>1.1</td></tr>
<tr><td>LTE Band 5</td><td>0.80</td><td>0.74</td></tr>
<tr><td>LTE Band 7</td><td>2.86</td><td>-1.46</td></tr>
<tr><td>LTE Band 12</td><td>0.84</td><td>-1.41</td></tr>
<tr><td>LTE Band 13</td><td>1.86</td><td>-1.24</td></tr>
<tr><td>LTE Band 14</td><td>1.42</td><td>-1.09</td></tr>
<tr><td>LTE Band 17</td><td>0.71</td><td>-1.55</td></tr>
<tr><td>LTE Band 25</td><td>3.16</td><td>1.29</td></tr>
<tr><td>LTE Band 26</td><td>0.50</td><td>0.74</td></tr>
</table>

	LTE Band 30	3.28	/
	LTE Band 38	2.64	-0.16
	LTE Band 41	3.46	0.35
	LTE Band 42	3.41	/
	LTE Band 43	3.74	/
	LTE Band 48	3.38	/
	LTE Band 66	3.17	1.1
	LTE Band 71	0.69	/
	5G NR n2	3.16	1.29
	5G NR n5	0.80	0.74
	5G NR n7	2.86	-1.46
	5G NR n12	0.84	-1.41
	5G NR n25	3.16	1.29
	5G NR n41	3.46	0.35
	5G NR n48	3.41	/
	5G NR n66	3.17	1.1
	5G NR n70	3.27	/
	5G NR n71	0.69	/
	5G NR n77	3.38	0.92
	5G NR n78	3.38	0.92
	WLAN 2.4GHz (ANT 1)	2.34	/
	WLAN 2.4GHz (ANT 2)	2.48	/
	WLAN 5GHz (ANT 1)	2.51	/
	WLAN 5GHz (ANT 2)	2.66	/
	WLAN 5GHz (ANT 3)	2.22	/
	WLAN 5GHz (ANT 4)	3.31	/

Note:

1. The output power (excepted LTE Band 42/43, 5G NR n70 and WLAN) test results refer to the

module test report (Report No.: 2204RSU037-U1, 2204RSU037-U5 and 2209RSU052-U2), which issued on August 7, 2022 and October 23, 2022 by MRT Technology (Suzhou) Co., Ltd.. We only evaluate MPE in this report.

2. Declaration of Conformity
   The output power (excepted LTE Band 30/42/43/48, 5G NR n48/n70/n77/n78 and WLAN) test results in the report are provided by the manufacturer, and the test laboratory is not responsible for the accuracy of the information.
3. When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.3 Applied Reference Documents

Leading reference documents for testing:

Identity	Document Title	Method determination /Remark
FCC 47CFR Part 2(2.1091)	Radio Frequency Radiation Exposure Assessment: mobile devices	No deviation
KDB 447498 D01v06	General RF Exposure Guidance	No deviation
Note 1: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.		

2. Device Category and RF Exposure Limit

Per user manual, Based on 47CFR 2.1091, this device belongs to mobile device category with General Population/Uncontrolled exposure.

Mobile Devices:

47CFR 2.1091(b)

For purposes of this section, a mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons. In this context, the term “fixed location” means that the device is physically secured at one location and is not able to be easily moved to another location. Transmitting devices designed to be used by consumers or workers that can be easily re-located, such as wireless devices associated with a personal computer, are considered to be mobile devices if they meet the 20 centimeter separation requirement.

General Population/Uncontrolled Exposure:

The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity. Warning labels placed on low-power consumer devices such as cellular telephones are not considered sufficient to allow the device to be considered under the occupational/controlled category, and the general population/uncontrolled exposure limits apply to these devices.

Table 1—Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f = frequency in MHz* = Plane-wave equivalent power density

3. RF Output Power

➢ **WWAN Maximum Average Power**

Wireless Mode	Frequency (MHz)	Max Tune-up Limit (dBm)
LTE Band 2	1910	25.00
LTE Band 4	1755	25.00
LTE Band 5	849	25.00
LTE Band 7	2570	25.00
LTE Band 12	716	25.00
LTE Band 13	787	25.00
LTE Band 14	798	25.00
LTE Band 17	716	25.00
LTE Band 25	1915	25.00
LTE Band 26	849	25.00
LTE Band 30	2315	25.00
LTE Band 38	2620	28.00
LTE Band 41	2690	28.00
LTE Band 42	3600	20.00
LTE Band 43	3800	20.00
LTE Band 48	3700	25.00
LTE Band 66	1780	25.00
LTE Band 71	698	25.00
5G NR n2	1910	25.00
5G NR n5	849	25.00
5G NR n7	2570	25.00
5G NR n12	716	25.00
5G NR n25	1915	25.00
5G NR n41 (SISO/MIMO)	2690	28.00
5G NR n48 (SISO/MIMO)	3700	25.00
5G NR n66	1780	25.00
5G NR n70	1710	23.00
5G NR n71	698	25.00
5G NR n77 (SISO/MIMO)	3980	28.00

5G NR n78 (SISO/MIMO)	3800	28.00

➢ **WLAN Maximum Average Power for SISO**

Wireless Mode	Frequency (MHz)	Max. Average Power (dBm)	Tune-up Limit (dBm)
WLAN 2.4GHz (ANT 1)	2412	17.92	18.50
WLAN 2.4GHz (ANT 2)	2462	18.4	19.00
WLAN 5GHz (ANT 1)	5260	17.11	18.00
WLAN 5GHz (ANT 2)	5240	17.94	18.50
WLAN 5GHz (ANT 3)	5240	17.03	18.00
WLAN 5GHz (ANT 4)	5260	17.22	18.00

➢ **WLAN Maximum Average Power for MIMO**

Wireless Mode	Frequency (MHz)	Max. Average Power (dBm)	Tune-up Limit (dBm)
WLAN 2.4GHz (2X2 MIMO)	2422	19.96	20.50
WLAN 5GHz (4X4 MIMO)	5260	20.44	21.00

➢ **CA Maximum Average Power**

Wireless Mode	Frequency (MHz)	Max. Average Power (dBm)	Tune-up Limit (dBm)
CA_2C	1910	23.58	24.50
CA_5B	849	23.45	24.50
CA_7C	2570	23.79	24.50
CA_38C	2620	24.51	25.50
CA_41C	2690	24.46	25.50
CA_48C	3700	21.01	22.00

CA_66B	1780	23.65	24.50
CA_66C	1780	23.46	24.50

Note:

1. The output power of LTE Band 42/43, 5G NR n70 and WLAN refers to the annex B of this report.
2. The Tune-up power (include output power) of LTE (excepted LTE Band 42/43) & 5G NR (excepted 5G NR n70) refers to the report 2204RSU037-U1, 2204RSU037-U5 and 2209RSU052-U2.
3. The output power of WLAN is derived from the report SZ24050224W01/02.
4. The output power of LTE Band 42/43 and 5G NR n70 are derived from the report SZ24050224W04/05/06.

4. Carrier Aggregation

➢ **LTE Carrier Aggregation Configuration**

<Intra-band>

2CC Uplink Carrier Aggregation				
No.	Combination	MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2C	-	-	No
2	CA_5B	-	-	No
3	CA_7C	-	-	No
4	CA_38C	-	-	No
5	CA_41C	-	-	No
6	CA_42C	-	-	No
7	CA_43C	-	-	No
8	CA_48C	-	-	No
9	CA_66B	-	-	No
10	CA_66C	-	-	No

Note:

1. According to the 3GPP 36.101 table 6.2.2A-1 specifics that the aggregation maximum allowed output power is equivalent to the signal carrier scenario for intra-band contiguous carrier aggregation scenarios. When the non-contiguous RB allocation is applied the MPR shell complies with the table 6.2.3A defined in 3GPP 36.101.
2. According to the TCB Workshop publication, the output power of uplink CA would be measured with the wideband signal integration over the component carriers. And SAR measurement would be performed at the worst exposure condition of each band.
3. Additional SAR measurement for LTE UL CA with other DL CA combinations are not required when the maximum output power of this configuration is not ＞1/4 dB higher than the maximum output power for UL CA active.

➢ LTE Carrier Aggregation Configuration

2CC Downlink Carrier Aggregation				
No.	Combination	DL 4 × 4 MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2A-12A	2A-12A	-	No
2	CA_2A-13A	2A-13A	-	No
3	CA_2A-14A	2A-14A	-	No
4	CA_2A-17A	2A-17A	-	No
5	CA_2A-29A	2A-29A	-	No
6	CA_2A-2A	2A-2A	-	No
7	CA_2A-30A	2A-30A	-	No
8	CA_2A-46A	2A	-	No
9	CA_2A-48A	2A-48A	-	No
10	CA_2A-4A	2A-4A	-	No
11	CA_2A-5A	2A-5A	-	No
12	CA_2A-66A	2A-66A	-	No
13	CA_2A-71A	2A-71A	-	No
14	CA_2A-7A	2A-7A	-	No
15	CA_2C	2C	-	No
16	CA_2A-26A	2A-26A	-	No
17	CA_4A-12A	4A-12A	-	No
18	CA_4A-13A	4A-13A	-	No
19	CA_4A-17A	4A-17A	-	No
20	CA_4A-29A	4A-29A	-	No
21	CA_4A-30A	4A-30A	-	No
22	CA_4A-46A	4A	-	No
23	CA_4A-48A	4A-48A	-	No
24	CA_4A-4A	4A-4A	-	No
25	CA_4A-5A	4A-5A	-	No
26	CA_4A-71A	4A-71A	-	No
27	CA_4A-7A	4A-7A	-	No
28	CA_5A-12A	-	-	No
29	CA_5A-13A	-	-	No
30	CA_5A-25A	5A-25A	-	No
31	CA_5A-29A	-	-	No
32	CA_5A-30A	5A-30A	-	No
33	CA_5A-38A	5A-38A	-	No
34	CA_5A-41A	5A-41A	-	No

35	CA_5A-46A	5A	-	No
36	CA_5A-48A	5A-48A	-	No
37	CA_5A-5A	5A-5A	-	No
38	CA_5A-66A	5A-66A	-	No
39	CA_5A-7A	5A-7A	-	No
40	CA_5B	5B	-	No
41	CA_7A-12A	7A-12A	-	No
42	CA_7A-13A	7A-13A	-	No
43	CA_7A-26A	7A-26A	-	No
44	CA_7A-29A	7A-29A	-	No
45	CA_7A-42A	7A-42A	-	No
46	CA_7A-46A	7A	-	No
47	CA_7A-66A	7A-66A	-	No
48	CA_7A-7A	7A-7A	-	No
49	CA_7B	7B	-	No
50	CA_7C	7C	-	No
51	CA_7A-25A	7A-25A	-	No
52	CA_12A-12A	-	-	No
53	CA_12A-25A	12A-25A	-	No
54	CA_12A-30A	12A-30A	-	No
55	CA_12A-46A	12A	-	No
56	CA_12A-66A	12A-66A	-	No
57	CA_12B	12B	-	No
58	CA_12A-48A	12A-48A	-	No
59	CA_13A-46A	13A	-	No
60	CA_13A-48A	13A-48A	-	No
61	CA_13A-66A	13A-66A	-	No
62	CA_14A-30A	14A-30A	-	No
63	CA_14A-66A	14A-66A	-	No
64	CA_25A-25A	25A-25A	-	No
65	CA_25A-26A	25A-26A	-	No
66	CA_25A-41A	25A-41A	-	No
67	CA_25A-46A	25A	-	No
68	CA_25A-66A	25A-66A	-	No
69	CA_26A-41A	26A-41A	-	No
70	CA_26A-46A	26A	-	No
71	CA_29A-30A	29A-30A	-	No
72	CA_29A-66A	29A-66A	-	No

73	CA_30A-66A	30A-66A	-	No
74	CA_38C	38C	-	No
75	CA_41A-41A	41A-41A	-	No
76	CA_41A-42A	41A-42A	-	No
77	CA_41A-46A	41A	-	No
78	CA_41A-48A	41A-48A	-	No
79	CA_41C	41C	-	No
80	CA_42A-42A	42A-42A	-	No
81	CA_43A-43A	43A-43A	-	No
82	CA_46A-66A	66A	-	No
83	CA_46A-71A	71A	-	No
84	CA_48A-48A	48A-48A	-	No
85	CA_48A-66A	48A-66A	-	No
86	CA_48A-71A	48A-71A	-	No
87	CA_48B	48B	-	No
88	CA_48C	48C	-	No
89	CA_66A-66A	66A-66A	-	No
90	CA_66A-71A	66A-71A	-	No
91	CA_66B	66B	-	No
92	CA_66C	66C	-	No

3CC Downlink Carrier Aggregation				
No.	Combination	DL 4 × 4 MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2A-5A-13A	2A	-	No
2	CA_2A-12A-12A	2A	-	No
3	CA_2A-12A-30A	2A-12A-30A	-	No
4	CA_2A-12A-66A	2A-12A-66A	-	No
5	CA_2A-12B	2A-12B	-	No
6	CA_2A-13A-46A	2A-13A	-	No
7	CA_2A-13A-48A	2A-13A-48A	-	No
8	CA_2A-13A-66A	2A-13A-66A	-	No
9	CA_2A-14A-30A	2A-14A-30A	-	No
10	CA_2A-14A-66A	2A-14A-66A	-	No
11	CA_2A-29A-30A	2A-29A-30A	-	No
12	CA_2A-29A-66A	2A-29A-66A	-	No
13	CA_2A-2A-12A	2A-2A-12A	-	No
14	CA_2A-2A-13A	2A-2A-13A	-	No

15	CA_2A-2A-14A	2A-2A-14A	-	No
16	CA_2A-2A-29A	2A-2A-29A	-	No
17	CA_2A-2A-30A	2A-2A-30A	-	No
18	CA_2A-2A-46A	2A-2A	-	No
19	CA_2A-2A-4A	2A-2A-4A	-	No
20	CA_2A-2A-5A	2A-2A-5A	-	No
21	CA_2A-2A-66A	2A-2A-66A	-	No
22	CA_2A-2A-71A	2A-2A-71A	-	No
23	CA_2A-2A-7A	2A-2A-7A	-	No
24	CA_2A-30A-66A	2A-30A-66A	-	No
25	CA_2A-46A-46A	2A	-	No
26	CA_2A-46A-48A	2A-48A	-	No
27	CA_2A-46A-66A	2A-66A	-	No
28	CA_2A-46C	2A	-	No
29	CA_2A-48A-48A	2A-48A-48A	-	No
30	CA_2A-48A-66A	2A-48A-66A	-	No
31	CA_2A-48C	2A-48C	-	No
32	CA_2A-4A-12A	2A-4A-12A	-	No
33	CA_2A-4A-13A	2A-4A-13A	-	No
34	CA_2A-4A-29A	2A-4A-29A	-	No
35	CA_2A-4A-30A	2A-4A-30A	-	No
36	CA_2A-4A-4A	2A-4A-4A	-	No
37	CA_2A-4A-5A	2A-4A-5A	-	No
38	CA_2A-4A-71A	2A-4A-71A	-	No
39	CA_2A-4A-7A	2A-4A-7A	-	No
40	CA_2A-5A-12A	2A	-	No
41	CA_2A-5A-29A	2A	-	No
42	CA_2A-5A-30A	2A-5A-30A	-	No
43	CA_2A-5A-46A	2A-5A	-	No
44	CA_2A-5A-48A	2A-5A-48A	-	No
45	CA_2A-5A-66A	2A-5A-66A	-	No
46	CA_2A-5A-7A	2A-5A-7A	-	No
47	CA_2A-5B	2A-5B	-	No
48	CA_2A-66A-66A	2A-66A-66A	-	No
49	CA_2A-66A-71A	2A-66A-71A	-	No
50	CA_2A-66B	2A-66B	-	No
51	CA_2A-66C	2A-66C	-	No
52	CA_2A-7A-12A	2A-7A-12A	-	No

53	CA_2A-7A-13A	2A-7A-13A	-	No
54	CA_2A-7A-29A	2A-7A-29A	-	No
55	CA_2A-7A-46A	2A-7A	-	No
56	CA_2A-7A-66A	2A-7A-66A	-	No
57	CA_2A-7A-7A	2A-7A-7A	-	No
58	CA_2A-7C	2A-7C	-	No
59	CA_2C-12A	2C-12A	-	No
60	CA_2C-29A	2C-29A	-	No
61	CA_2C-30A	2C-30A	-	No
62	CA_2C-5A	2C-5A	-	No
63	CA_2C-66A	2C-66A	-	No
64	CA_2A-7A-26A	2A-7A-26A	-	No
65	CA_2A-26A-66A	2A-26A-66A	-	No
66	CA_4A-5A-13A	4A	-	No
67	CA_4A-12A-12A	4A	-	No
68	CA_4A-12A-30A	4A-12A-30A	-	No
69	CA_4A-12B	4A-12B	-	No
70	CA_4A-29A-30A	4A-29A-30A	-	No
71	CA_4A-46A-46A	4A	-	No
72	CA_4A-46C	4A	-	No
73	CA_4A-48C	4A-48C	-	No
74	CA_4A-4A-12A	4A-4A-12A	-	No
75	CA_4A-4A-13A	4A-4A-13A	-	No
76	CA_4A-4A-29A	4A-4A-29A	-	No
77	CA_4A-4A-30A	4A-4A-30A	-	No
78	CA_4A-4A-5A	4A-4A-5A	-	No
79	CA_4A-4A-71A	4A-4A-71A	-	No
80	CA_4A-4A-7A	4A-4A-7A	-	No
81	CA_4A-5A-12A	4A	-	No
82	CA_4A-5A-29A	4A	-	No
83	CA_4A-5A-30A	4A-5A-30A	-	No
84	CA_4A-5B	4A-5B	-	No
85	CA_4A-7A-12A	4A-7A-12A	-	No
86	CA_4A-7A-7A	4A-7A-7A	-	No
87	CA_4A-7C	4A-7C	-	No
88	CA_5A-12A-66A	66A	-	No
89	CA_5A-12B	-	-	No
90	CA_5A-30A-66A	5A-30A-66A	-	No

91	CA_5A-46A-66A	5A-66A	-	No
92	CA_5A-46C	5A	-	No
93	CA_5A-48A-66A	5A-48A-66A	-	No
94	CA_5A-48C	5A-48C	-	No
95	CA_5A-5A-66A	5A-5A-66A	-	No
96	CA_5A-66A-66A	5A-66A-66A	-	No
97	CA_5A-66B	5A-66B	-	No
98	CA_5A-66C	5A-66C	-	No
99	CA_5A-7A-46A	5A-7A	-	No
100	CA_5A-7A-66A	5A-7A-66A	-	No
101	CA_5A-7A-7A	5A-7A-7A	-	No
102	CA_5A-7C	5A-7C	-	No
103	CA_5B-30A	5B-30A	-	No
104	CA_5B-46A	5B	-	No
105	CA_5B-66A	5B-66A	-	No
106	CA_5A-12A-46A	-	-	No
107	CA_7A-7A-13A	7A-7A-13A	-	No
108	CA_7A-7A-26A	7A-7A-26A	-	No
109	CA_7A-7A-29A	7A-7A-29A	-	No
110	CA_7A-7A-46A	7A-7A	-	No
111	CA_7A-7A-66A	7A-7A-66A	-	No
112	CA_7A-12A-66A	7A-12A-66A	-	No
113	CA_7A-12B	7A-12B	-	No
114	CA_7A-29A-66A	7A-29A-66A	-	No
115	CA_7A-46A-66A	7A-66A	-	No
116	CA_7A-46C	7A	-	No
117	CA_7A-66A-66A	7A-66A-66A	-	No
118	CA_7C-13A	7C-13A	-	No
119	CA_7C-29A	7C-29A	-	No
120	CA_7C-46A	7C	-	No
121	CA_7C-66A	7C-66A	-	No
122	CA_7A-13A-66A	7A-13A-66A	-	No
123	CA_7A-26A-66A	7A-26A-66A	-	No
124	CA_7A-25A-25A	7A-25A-25A	-	No
125	CA_7A-25A-66A	7A-25A-66A	-	No
126	CA_7A-7A-25A	7A-7A-25A	-	No
127	CA_7C-25A	7C-25A	-	No
128	CA_12A-30A-66A	12A-30A-66A	-	No

129	CA_12A-46C	12A	-	No
130	CA_12A-66A-66A	12A-66A-66A	-	No
131	CA_12A-66C	12A-66C	-	No
132	CA_12B-66A	12B-66A	-	No
133	CA_12A-48C	12A-48C	-	No
134	CA_13A-46A-46A	-	-	No
135	CA_13A-46A-66A	13A-66A	-	No
136	CA_13A-46C	13A	-	No
137	CA_13A-48A-48A	13A-48A-48A	-	No
138	CA_13A-48A-66A	13A-48A-66A	-	No
139	CA_13A-48C	13A-48C	-	No
140	CA_13A-66A-66A	13A-66A-66A	-	No
141	CA_13A-66B	13A-66B	-	No
142	CA_13A-66C	13A-66C	-	No
143	CA_14A-30A-66A	14A-30A-66A	-	No
144	CA_14A-66A-66A	14A-66A-66A	-	No
145	CA_25A-25A-25A	25A-25A-25A	-	No
146	CA_25A-25A-26A	25A-25A-26A	-	No
147	CA_25A-25A-41A	25A-25A-41A	-	No
148	CA_25A-26A-41A	25A-26A-41A	-	No
149	CA_25A-41C	25A-41C	-	No
150	CA_25A-46C	25A	-	No
151	CA_25A-25A-66A	25A-25A-66A	-	No
152	CA_26A-41C	26A-41C	-	No
153	CA_29A-46A-66A	29A-66A	-	No
154	CA_29A-30A-66A	29A-30A-66A	-	No
155	CA_29A-66A-66A	29A-66A-66A	-	No
156	CA_30A-66A-66A	30A-66A-66A	-	No
157	CA_41A-41A-41A	41A-41A-41A	-	No
158	CA_41A-41C	41A-41C	-	No
159	CA_41A-42A-42A	41A-42A-42A	-	No
160	CA_41A-42C	41A-42C	-	No
161	CA_41A-46C	41A	-	No
162	CA_41A-48C	41A-48C	-	No
163	CA_41C-42A	41C-42A	-	No
164	CA_41D	41D	-	No
165	CA_42A-42C	42A-42C	-	No
166	CA_42D	42D	-	No

167	CA_46A-46A-66A	66A	-	No
168	CA_46A-48A-66A	48A-66A	-	No
169	CA_46A-66A-66A	66A-66A	-	No
170	CA_46A-66C	66C	-	No
171	CA_46C-66A	66A	-	No
172	CA_46C-71A	71A	-	No
173	CA_48A-48A-66A	48A-48A-66A	-	No
174	CA_48A-48A-71A	48A-48A-71A	-	No
175	CA_48A-48C	48A-48C	-	No
176	CA_48A-66A-66A	48A-66A-66A	-	No
177	CA_48A-66B	48A-66B	-	No
178	CA_48A-66C	48A-66C	-	No
179	CA_48C-66A	48C-66A	-	No
180	CA_48C-71A	48C-71A	-	No
181	CA_48D	48D	-	No
182	CA_66A-66A-66A	66A-66A-66A	-	No
183	CA_66A-66A-71A	66A-66A-71A	-	No
184	CA_66A-66B	66A-66B	-	No
185	CA_66A-66C	66A-66C	-	No
186	CA_66C-71A	66C-71A	-	No
187	CA_66D	66D	-	No

4CC Downlink Carrier Aggregation				
No.	Combination	DL 4 × 4 MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2A-2A-12A-12A	2A-2A	-	No
2	CA_2A-2A-12A-30A	2A-2A-12A-30A	-	No
3	CA_2A-2A-12A-66A	2A-2A-12A-66A	-	No
4	CA_2A-2A-12B	2A-2A-12B	-	No
5	CA_2A-2A-13A-66A	2A-2A-13A-66A	-	No
6	CA_2A-2A-14A-30A	2A-2A-14A-30A	-	No
7	CA_2A-2A-14A-66A	2A-2A-14A-66A	-	No
8	CA_2A-2A-29A-30A	2A-2A-29A-30A	-	No
9	CA_2A-2A-30A-66A	2A-2A-30A-66A	-	No
10	CA_2A-2A-46C	2A-2A	-	No
11	CA_2A-2A-4A-12A	2A-2A-4A-12A	-	No
12	CA_2A-2A-4A-4A	2A-2A-4A-4A	-	No
13	CA_2A-2A-4A-5A	2A-2A-4A-5A	-	No

14	CA_2A-2A-4A-71A	2A-2A-4A-71A	-	No
15	CA_2A-2A-5A-12A	2A-2A	-	No
16	CA_2A-2A-5A-30A	2A-2A-5A-30A	-	No
17	CA_2A-2A-5A-66A	2A-2A-5A-66A	-	No
18	CA_2A-2A-5B	2A-2A-5B	-	No
19	CA_2A-2A-66A-66A	2A-2A-66A-66A	-	No
20	CA_2A-2A-66A-71A	2A-2A-66A-71A	-	No
21	CA_2A-2A-66B	2A-2A-66B	-	No
22	CA_2A-2A-66C	2A-2A-66C	-	No
23	CA_2A-2A-7A-12A	2A-2A-7A-12A	-	No
24	CA_2A-2A-7A-66A	2A-2A-7A-66A	-	No
25	CA_2A-4A-12A-12A	2A-4A	-	No
26	CA_2A-4A-12A-30A	2A-4A-12A-30A	-	No
27	CA_2A-4A-12B	2A-4A-12B	-	No
28	CA_2A-4A-29A-30A	2A-4A-29A-30A	-	No
29	CA_2A-4A-4A-12A	2A-4A-4A-12A	-	No
30	CA_2A-4A-4A-5A	2A-4A-4A-5A	-	No
31	CA_2A-4A-5A-12A	2A-4A	-	No
32	CA_2A-4A-5A-29A	2A-4A	-	No
33	CA_2A-4A-5A-30A	2A-4A-5A-30A	-	No
34	CA_2A-4A-5B	2A-4A-5B	-	No
35	CA_2A-4A-7A-12A	2A-4A-7A-12A	-	No
36	CA_2A-4A-7A-7A	2A-4A-7A-7A	-	No
37	CA_2A-4A-7C	2A-4A-7C	-	No
38	CA_2A-5A-12A-66A	2A-66A	-	No
39	CA_2A-5A-12B	2A	-	No
40	CA_2A-5A-30A-66A	2A-5A-30A-66A	-	No
41	CA_2A-5A-46C	2A-5A	-	No
42	CA_2A-5A-48A-66A	2A-5A-48A-66A	-	No
43	CA_2A-5A-48C	2A-5A-48C	-	No
44	CA_2A-5A-66A-66A	2A-5A-66A-66A	-	No
45	CA_2A-5A-66B	2A-5A-66B	-	No
46	CA_2A-5A-66C	2A-5A-66C	-	No
47	CA_2A-5A-7A-7A	2A-5A-7A-7A	-	No
48	CA_2A-5A-7C	2A-5A-7C	-	No
49	CA_2A-5B-30A	2A-5B-30A	-	No
50	CA_2A-5B-66A	2A-5B-66A	-	No
51	CA_2A-12A-30A-66A	2A-12A-30A-66A	-	No

52	CA_2A-12A-66A-66A	2A-12A-66A-66A	-	No
53	CA_2A-12A-66C	2A-12A-66C	-	No
54	CA_2A-12B-66A	2A-12B-66A	-	No
55	CA_2A-13A-46C	2A-13A	-	No
56	CA_2A-13A-48A-48A	2A-13A-48A-48A	-	No
57	CA_2A-13A-48A-66A	2A-13A-48A-66A	-	No
58	CA_2A-13A-48C	2A-13A-48C	-	No
59	CA_2A-13A-66A-66A	2A-13A-66A-66A	-	No
60	CA_2A-13A-66B	2A-13A-66B	-	No
61	CA_2A-13A-66C	2A-13A-66C	-	No
62	CA_2A-14A-30A-66A	2A-14A-30A-66A	-	No
63	CA_2A-14A-66A-66A	2A-14A-66A-66A	-	No
64	CA_2A-29A-66A-66A	2A-29A-66A-66A	-	No
65	CA_2A-2A-29A-66A	2A-2A-29A-66A	-	No
66	CA_2A-29A-30A-66A	2A-29A-30A-66A	-	No
67	CA_2A-30A-66A-66A	2A-30A-66A-66A	-	No
68	CA_2A-46A-46A-66A	2A-66A	-	No
69	CA_2A-46A-46C	2A	-	No
70	CA_2A-46A-48A-66A	2A-48A-66A	-	No
71	CA_2A-46A-48C	2A-48C	-	No
72	CA_2A-46C-48A	2A-48A	-	No
73	CA_2A-46C-66A	2A-66A	-	No
74	CA_2A-46D	2A	-	No
75	CA_2A-48A-48A-66A	2A-48A-48A-66A	-	No
76	CA_2A-48A-48C	2A-48A-48C	-	No
77	CA_2A-48A-66A-66A	2A-48A-66A-66A	-	No
78	CA_2A-48C-66A	2A-48C-66A	-	No
79	CA_2A-48D	2A-48D	-	No
80	CA_2A-66A-66A-66A	2A-66A-66A-66A	-	No
81	CA_2A-66A-66A-71A	2A-66A-66A-71A	-	No
82	CA_2A-66A-66B	2A-66A-66B	-	No
83	CA_2A-66A-66C	2A-66A-66C	-	No
84	CA_2A-66C-71A	2A-66C-71A	-	No
85	CA_2A-66D	2A-66D	-	No
86	CA_2A-7A-12A-66A	2A-7A-12A-66A	-	No
87	CA_2A-7A-12B	2A-7A-12B	-	No
88	CA_2A-7A-29A-66A	2A-7A-29A-66A	-	No
89	CA_2A-7A-46A-66A	2A-7A-66A	-	No

90	CA_2A-7A-46C	2A-7A	-	No
91	CA_2A-7A-66A-66A	2A-7A-66A-66A	-	No
92	CA_2A-7A-7A-13A	2A-7A-7A-13A	-	No
93	CA_2A-7A-7A-29A	2A-7A-7A-29A	-	No
94	CA_2A-7A-7A-66A	2A-7A-7A-66A	-	No
95	CA_2A-7C-13A	2A-7C-13A	-	No
96	CA_2A-7C-29A	2A-7C-29A	-	No
97	CA_2A-7C-66A	2A-7C-66A	-	No
98	CA_2C-12A-30A	2C-12A-30A	-	No
99	CA_2C-29A-30A	2C-29A-30A	-	No
100	CA_2C-5A-30A	2C-5A-30A	-	No
101	CA_2C-66A-66A	2C-66A-66A	-	No
102	CA_2A-7A-13A-66A	2A-7A-13A-66A	-	No
103	CA_2A-7A-26A-66A	2A-7A-26A-66A	-	No
104	CA_2A-7A-7A-46A	2A-7A-7A	-	No
105	CA_2A-13A-46A-66A	2A-13A-66A	-	No
106	CA_2A-5A-46A-66A	2A-5A-66A	-	No
107	CA_2A-13A-46A-46A	2A	-	No
108	CA_2A-46A-66A-66A	2A-66A-66A	-	No
109	CA_2A-2A-5A-7A	2A-2A-5A-7A	-	No
110	CA_2A-5A-7A-66A	2A-5A-7A-66A	-	No
111	CA_2A-2A-7A-13A	2A-2A-7A-13A	-	No
112	CA_2A-2A-7A-7A	2A-2A-7A-7A	-	No
113	CA_2A-2A-7C	2A-2A-7C	-	No
114	CA_4A-46A-46C	4A	-	No
115	CA_4A-46D	4A	-	No
116	CA_4A-48D	4A-48D	-	No
117	CA_4A-4A-12A-12A	4A-4A	-	No
118	CA_4A-4A-12A-30A	4A-4A-12A-30A	-	No
119	CA_4A-4A-12B	4A-4A-12B	-	No
120	CA_4A-4A-29A-30A	4A-4A-29A-30A	-	No
121	CA_4A-4A-5A-12A	4A-4A	-	No
122	CA_4A-4A-5A-30A	4A-4A-5A-30A	-	No
123	CA_4A-4A-5B	4A-4A-5B	-	No
124	CA_4A-5A-12B	4A-5A	-	No
125	CA_4A-5B-30A	4A-5B-30A	-	No
126	CA_5A-30A-66A-66A	5A-30A-66A-66A	-	No
127	CA_5A-46C-66A	5A-66A	-	No

128	CA_5A-46D	5A	-	No
129	CA_5A-48C-66A	5A-48C-66A	-	No
130	CA_5A-48D	5A-48D	-	No
131	CA_5A-5A-66A-66A	5A-5A-66A-66A	-	No
132	CA_5A-5A-66B	5A-5A-66B	-	No
133	CA_5A-5A-66C	5A-5A-66C	-	No
134	CA_5A-66A-66B	5A-66A-66B	-	No
135	CA_5A-66A-66C	5A-66A-66C	-	No
136	CA_5A-66D	5A-66D	-	No
137	CA_5A-7A-46C	5A-7A	-	No
138	CA_5A-7A-66A-66A	5A-7A-66A-66A	-	No
139	CA_5A-7C-66A	5A-7C-66A	-	No
140	CA_5B-30A-66A	5B-30A-66A	-	No
141	CA_5B-46C	5B	-	No
142	CA_5B-66A-66A	5B-66A-66A	-	No
143	CA_5B-66B	5B-66B	-	No
144	CA_5B-66C	5B-66C	-	No
145	CA_5A-12A-46C	-	-	No
146	CA_5A-12A-48C	48C	-	No
147	CA_5A-7A-7A-66A	5A-7A-7A-66A	-	No
148	CA_5A-48A-66A-66A	5A-48A-66A-66A	-	No
149	CA_7A-25A-25A-66A	7A-25A-25A-66A	-	No
150	CA_7A-7A-13A-66A	7A-7A-13A-66A	-	No
151	CA_7A-7A-25A-25A	7A-7A-25A-25A	-	No
152	CA_7A-7A-25A-66A	7A-7A-25A-66A	-	No
153	CA_7C-25A-25A	7C-25A-25A	-	No
154	CA_7C-25A-66A	7C-25A-66A	-	No
155	CA_7C-13A-66A	7C-13A-66A	-	No
156	CA_7A-12A-66A-66A	7A-12A-66A-66A	-	No
157	CA_7A-12B-66A	7A-12B-66A	-	No
158	CA_7A-46D	7A	-	No
159	CA_7A-7A-29A-66A	7A-7A-29A-66A	-	No
160	CA_7A-7A-46C	7A-7A	-	No
161	CA_7A-7A-66A-66A	7A-7A-66A-66A	-	No
162	CA_7C-29A-66A	7C-29A-66A	-	No
163	CA_7C-46C	7C	-	No
164	CA_7C-66A-66A	7C-66A-66A	-	No
165	CA_12A-30A-66A-66A	12A-30A-66A-66A	-	No

166	CA_12A-46D	12A	-	No
167	CA_12B-66A-66A	12B-66A-66A	-	No
168	CA_12A-48D	12A-48D	-	No
169	CA_13A-48A-66A-66A	13A-48A-66A-66A	-	No
170	CA_13A-46A-46C	-	-	No
171	CA_13A-46A-66A-66A	13A-66A-66A	-	No
172	CA_13A-46C-66A	13A-66A	-	No
173	CA_13A-46D	13A	-	No
174	CA_13A-48A-48A-66A	13A-48A-48A-66A	-	No
175	CA_13A-48A-48C	13A-48A-48C	-	No
176	CA_13A-48A-66B	13A-48A-66B	-	No
177	CA_13A-48A-66C	13A-48A-66C	-	No
178	CA_13A-48C-66A	13A-48C-66A	-	No
179	CA_13A-48D	13A-48D	-	No
180	CA_13A-66A-66B	13A-66A-66B	-	No
181	CA_13A-66A-66C	13A-66A-66C	-	No
182	CA_13A-66D	13A-66D	-	No
183	CA_14A-30A-66A-66A	14A-30A-66A-66A	-	No
184	CA_14A-66A-66A-66A	14A-66A-66A-66A	-	No
185	CA_25A-25A-26A-41A	25A-25A-26A-41A	-	No
186	CA_25A-25A-41C	25A-25A-41C	-	No
187	CA_25A-26A-41C	25A-26A-41C	-	No
188	CA_25A-41D	25A-41D	-	No
189	CA_25A-46D	25A	-	No
190	CA_29A-30A-66A-66A	29A-30A-66A-66A	-	No
191	CA_41A-41A-41C	41A-41A, 41A-41C	-	No
192	CA_41A-41D	41A-41D	-	No
193	CA_41A-42A-42C	41A-42A-42C	-	No
194	CA_41A-42D	41A-42D	-	No
195	CA_41A-46D	41A	-	No
196	CA_41C-41C	41C-41C	-	No
197	CA_41C-42C	41C-42C	-	No
198	CA_41D-42A	41D-42A	-	No
199	CA_41A-48D	41A-48D	-	No
200	CA_41E	41E	-	No
201	CA_42A-42D	42A-42D	-	No
202	CA_42C-42C	42C-42C	-	No
203	CA_42E	42E	-	No

204	CA_46A-46C-66A	66A	-	No
205	CA_46A-48C-66A	48C-66A	-	No
206	CA_46C-48A-66A	48A-66A	-	No
207	CA_46C-66A-66A	66A-66A	-	No
208	CA_46D-66A	66A	-	No
209	CA_46D-71A	71A	-	No
210	CA_48A-48A-66A-66A	48A-48A-66A-66A	-	No
211	CA_48A-48A-66B	48A-48A-66B	-	No
212	CA_48A-48A-66C	48A-48A-66C	-	No
213	CA_48A-48C-66A	48A-48C-66A	-	No
214	CA_48A-48D	48A-48D	-	No
215	CA_48C-48C	48C-48C	-	No
216	CA_48C-66A-66A	48C-66A-66A	-	No
217	CA_48C-66B	48C-66B	-	No
218	CA_48C-66C	48C-66C	-	No
219	CA_48D-66A	48D-66A	-	No
220	CA_48E	48E	-	No

5CC Downlink Carrier Aggregation				
No.	Combination	DL 4 × 4 MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_2A-2A-29A-30A-66A	2A-2A-29A, 2A-2A-30A, 2A-2A-66A, 2A-29A-30A, 2A-30A-66A, 2A-29A-66A, 29A-30A-66A	-	No
2	CA_2A-2A-29A-66A-66A	2A-2A-29A, 2A-2A-66A, 2A-66A-66A, 29A-66A-66A, 2A-29A-66A	-	No
3	CA_2A-12A-30A-66A-66A	2A-12A-30A, 2A-12A-66A, 2A-30A-66A, 12A-30A-66A, 2A-66A-66A,	-	No

		12A-66A-66A, 30A-66A-66A		
4	CA_2A-12B-66A-66A	2A-66A-66A, 2A-12B, 12B-66A	-	No
5	CA_2A-13A-46D	2A-13A	-	No
6	CA_2A-13A-48A-48A-66A	2A-13A-48A, 2A-48A-48A, 13A-48A-48A, 2A-13A-66A, 2A-48A-66A, 13A-48A-66A, 48A-48A-66A	-	No
7	CA_2A-13A-48A-48C	2A-13A-48A, 2A-48C, 13A-48C, 48A-48C	-	No
8	CA_2A-13A-48C-66A	2A-13A-66A, 2A-48C, 13A-48C, 48C-66A	-	No
9	CA_2A-13A-48D	2A-13A, 48D	-	No
10	CA_2A-13A-66A-66B	2A-13A-66A, 2A-66B, 13A-66B, 66A-66B	-	No
11	CA_2A-13A-66A-66C	2A-13A-66A, 2A-66C, 13A-66C, 66A-66C	-	No
12	CA_2A-13A-66D	2A-13A, 66D	-	No
13	CA_2A-14A-30A-66A-66A	2A-14A-30A, 2A-14A-66A, 2A-30A-66A, 14A-30A-66A, 2A-66A-66A, 14A-66A-66A, 30A-66A-66A	-	No
14	CA_2A-14A-66A-66A-66A	2A-14A-66A, 2A-66A-66A, 14A-66A-66A, 66A-66A-66A	-	No
15	CA_2A-2A-12A-30A-66A	2A-2A-12A, 2A-2A-30A, 2A-12A-30A, 2A-2A-66A, 2A-12A-66A, 2A-30A-66A,	-	No

		12A-30A-66A		
16	CA_2A-2A-12A-66A-66A	2A-2A-12A, 2A-2A-66A, 2A-12A-66A, 12A-66A-66A, 2A-66A-66A	-	No
17	CA_2A-2A-12B-66A	2A-2A-66A, 2A-12B, 12B-66A	-	No
18	CA_2A-2A-13A-66A-66A	2A-2A-13A, 2A-2A-66A, 2A-13A-66A, 13A-66A-66A, 2A-66A-66A	-	No
19	CA_2A-2A-13A-66B	2A-2A-13A, 2A-66B, 13A-66B	-	No
20	CA_2A-2A-14A-30A-66A	2A-2A-14A, 2A-2A-30A, 2A-14A-30A, 2A-2A-66A, 2A-14A-66A, 2A-30A-66A, 14A-30A-66A	-	No
21	CA_2A-2A-14A-66A-66A	2A-2A-14A, 2A-2A-66A, 2A-14A-66A, 14A-66A-66A, 2A-66A-66A	-	No
22	CA_2A-2A-46D	2A-2A	-	No
23	CA_2A-2A-5A-12A-66A	2A-2A-66A	-	No
24	CA_2A-2A-5A-30A-66A	2A-2A-5A, 2A-2A-30A, 2A-5A-30A, 2A-2A-66A, 2A-5A-66A, 2A-30A-66A, 5A-30A-66A	-	No
25	CA_2A-2A-5A-66A-66A	2A-2A-5A, 2A-2A-66A, 2A-5A-66A,	-	No

		2A-66A-66A, 5A-66A-66A		
26	CA_2A-2A-5A-66B	2A-2A-5A, 2A-66B, 5A-66B	-	No
27	CA_2A-2A-5A-66C	2A-2A-5A, 2A-66C, 5A-66C	-	No
28	CA_2A-2A-5B-66A	2A-2A-66A, 2A-5B, 5B-66A	-	No
29	CA_2A-2A-66A-66B	2A-2A-66A, 2A-66B, 66A-66B	-	No
30	CA_2A-2A-66A-66C	2A-2A-66A, 2A-66C, 66A-66C	-	No
31	CA_2A-2A-7A-12A-66A	2A-2A-7A, 2A-2A-12A, 2A-7A-12A, 2A-2A-66A, 2A-7A-66A, 2A-12A-66A, 7A-12A-66A	-	No
32	CA_2A-46A-46C-66A	2A-66A	-	No
33	CA_2A-46A-46D	2A	-	No
34	CA_2A-46A-48C-66A	2A-66A, 2A-48C, 48C-66A	-	No
35	CA_2A-46A-48D	2A, 48D	-	No
36	CA_2A-46C-48A-66A	2A-48A-66A	-	No
37	CA_2A-46C-48C	2A-48C	-	No
38	CA_2A-46D-48A	2A-48A	-	No
39	CA_2A-46D-66A	2A-66A	-	No
40	CA_2A-46E	2A	-	No
41	CA_2A-48A-48C-66A	2A-48A-66A, 2A-48C, 48A-48C, 48C-66A	-	No
42	CA_2A-48A-48D	2A-48A, 48D	-	No
43	CA_2A-48C-48C	2A-48C	-	No
44	CA_2A-48D-66A	2A-66A, 48D	-	No
45	CA_2A-48E	2A	-	No
46	CA_2A-4A-5B-30A	2A-4A-30A, 2A-5B, 4A-5B, 5B-30A	-	No
47	CA_2A-5A-30A-66A-66A	2A-5A-30A,	-	No

		2A-5A-66A, 2A-30A-66A, 5A-30A-66A, 2A-66A-66A, 5A-66A-66A, 30A-66A-66A		
48	CA_2A-5A-46D	2A-5A	-	No
49	CA_2A-5A-48C-66A	2A-5A-66A, 2A-48C, 5A-48C, 48C-66A	-	No
50	CA_2A-5A-48D	2A-5A, 48D	-	No
51	CA_2A-5B-30A-66A	2A-30A-66A, 2A-5B, 5B-30A, 5B-66A	-	No
52	CA_2A-5B-66A-66A	2A-66A-66A, 2A-5B, 5B-66A	-	No
53	CA_2A-5B-66B	2A-5B, 2A-66B	-	No
54	CA_2A-5B-66C	2A-5B, 2A-66C	-	No
55	CA_2A-7A-12B-66A	2A-7A-66A, 2A-12B, 7A-12B, 12B-66A	-	No
56	CA_2A-7A-7A-29A-66A	2A-7A-7A, 2A-7A-29A, 7A-7A-29A, 2A-7A-66A, 7A-7A-66A, 2A-29A-66A, 7A-29A-66A	-	No
57	CA_2A-7A-7A-46C	2A-7A-7A	-	No
58	CA_2A-7A-7A-66A-66A	2A-7A-7A, 2A-7A-66A, 2A-66A-66A, 7A-7A-66A, 7A-66A-66A	-	No
59	CA_2A-7C-29A-66A	2A-29A-66A, 2A-7C, 7C-29A, 7C-66A	-	No
60	CA_2A-7C-66A-66A	2A-66A-66A, 2A-7C, 7C-66A	-	No
61	CA_2C-5B-30A	2C-30A, 5B-30A	-	No
62	CA_2A-7C-13A-66A	2A-13A-66A, 2A-7C, 7C-13A, 7C-66A	-	No

63	CA_2A-13A-48A-66A-66A	2A-13A-48A, 2A-13A-66A, 2A-48A-66A, 13A-48A-66A, 2A-66A-66A, 13A-66A-66A, 48A-66A-66A	-	No
64	CA_2A-5A-48A-66A-66A	2A-5A-48A, 2A-5A-66A, 2A-48A-66A, 5A-48A-66A, 2A-66A-66A, 5A-66A-66A, 48A-66A-66A	-	No
65	CA_2A-13A-46C-66A	2A-13A-66A	-	No
66	CA_2A-5A-46C-66A	2A-5A-66A	-	No
67	CA_2A-13A-46A-46C	2A	-	No
68	CA_2A-7A-46D	2A-7A	-	No
69	CA_2A-2A-7A-66A-66A	2A-2A-7A, 2A-2A-66A, 2A-7A-66A, 2A-66A-66A, 7A-66A-66A	-	No
70	CA_2A-5A-7A-66A-66A	2A-5A-7A, 2A-5A-66A, 2A-7A-66A, 5A-7A-66A, 2A-66A-66A, 5A-66A-66A, 7A-66A-66A	-	No
71	CA_2A-5A-7A-7A-66A	2A-5A-7A, 2A-7A-7A, 5A-7A-7A, 2A-5A-66A, 2A-7A-66A, 5A-7A-66A, 7A-7A-66A	-	No
72	CA_2A-7A-12A-66A-66A	2A-7A-12A, 2A-7A-66A, 2A-12A-66A,	-	No

		7A-12A-66A, 2A-66A-66A, 7A-66A-66A, 12A-66A-66A		
73	CA_2A-7A-7A-13A-66A	2A-7A-7A, 2A-7A-13A, 7A-7A-13A, 2A-7A-66A, 7A-7A-66A, 2A-13A-66A, 7A-13A-66A	-	No
74	CA_2A-2A-7A-7A-13A	2A-2A-7A, 2A-7A-7A, 2A-2A-13A, 2A-7A-13A, 7A-7A-13A	-	No
75	CA_2A-2A-7C-13A	2A-2A-13A, 2A-7C, 7C-13A	-	No
76	CA_2A-5A-7C-66A	2A-5A-66A, 2A-7C, 5A-7C, 7C-66A	-	No
77	CA_2A-2A-5A-7A-66A	2A-2A-5A, 2A-2A-7A, 2A-5A-7A, 2A-2A-66A, 2A-5A-66A, 2A-7A-66A, 5A-7A-66A	-	No
78	CA_4A-46A-46D	4A	-	No
79	CA_4A-48E	4A	-	No
80	CA_4A-4A-5B-30A	4A-4A-30A, 4A-5B, 5B-30A	-	No
81	CA_5A-46D-66A	5A-66A	-	No
82	CA_5A-46E	5A	-	No
83	CA_5A-48D-66A	5A-66A, 48D	-	No
84	CA_5A-7A-46D	5A-7A	-	No
85	CA_5A-7C-66A-66A	5A-66A-66A, 5A-7C, 7C-66A	-	No
86	CA_5A-12A-46D	-	-	No
87	CA_5B-30A-66A-66A	30A-66A-66A, 5B-30A, 5B-66A	-	No

88	CA_5B-46D	5B	-	No
89	CA_5B-66A-66B	5B-66A, 66A-66B	-	No
90	CA_5B-66A-66C	5B-66A, 66A-66C	-	No
91	CA_7A-46E	7A	-	No
92	CA_7A-7A-46D	7A-7A	-	No
93	CA_7C-46D	7C	-	No
94	CA_7A-7A-25A-25A-66A	7A-7A-25A, 7A-25A-25A, 7A-7A-66A, 7A-25A-66A, 25A-25A-66A	-	No
95	CA_7C-25A-25A-66A	25A-25A-66A, 7C-25A, 7C-66A	-	No
96	CA_13A-46A-46D	-	-	No
97	CA_12A-46E	12A	-	No
98	CA_13A-46D-66A	13A-66A	-	No
99	CA_13A-46E	13A	-	No
100	CA_13A-48A-48C-66A	13A-48A-66A, 13A-48C, 48A-48C, 48C-66A	-	No
101	CA_13A-48A-48D	13A-48A, 48D	-	No
102	CA_13A-48C-48C	13A-48C	-	No
103	CA_13A-48D-66A	13A-66A, 48D	-	No
104	CA_13A-48E	13A	-	No
105	CA_25A-25A-26A-41C	25A-25A-26A, 25A-41C, 26A-41C	-	No
106	CA_25A-25A-41D	25A-25A, 41D	-	No
107	CA_25A-41E	25A	-	No
108	CA_41A-42C-42C	41A-42C	-	No
109	CA_41A-46E	41A	-	No
110	CA_41C-41D	41C, 41D	-	No
111	CA_41C-42A-42C	41C-42A, 42A-42C	-	No
112	CA_41D-42C	42C, 41D	-	No
113	CA_46A-46D-66A	66A	-	No
114	CA_46A-48D-66A	66A, 48D	-	No
115	CA_46C-48C-66A	48C-66A	-	No
116	CA_46D-48A-66A	48A-66A	-	No
117	CA_46D-66A-66A	66A-66A	-	No

118	CA_46E-66A	66A	-	No
119	CA_48A-48C-66B	48A-48C, 48A-66B	-	No
120	CA_48A-48C-66C	48A-48C, 48A-66C	-	No
121	CA_48A-48D-66A	48A-66A, 48D	-	No
122	CA_48A-48E	48A	-	No
123	CA_48C-48C-66A	48C-66A	-	No
124	CA_48C-48D	48C, 48D	-	No
125	CA_48E-66A	66A	-	No
126	CA_48F	-	-	No

Note:

1. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
2. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
3. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
4. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
5. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 7. 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 0.1\left|BW_{Channel(1)} - BW_{Channel(2)}\right|}{0.6} \right\rfloor 0.3 \ \ [\text{MHz}]$$

➢ **5G NR Carrier Aggregation Configuration**

2CC Downlink Carrier Aggregation				
No.	Combination	NR DL 4 × 4 MIMO	Restriction	Completely Covered by Measurement Superset
1	CA_n2(2A)	n2A-n2A	-	No
2	CA_n2A-n29A	n2A-n29A	-	No
3	CA_n2A-n12A	n2A-n12A	-	No
4	CA_n2A-n14A	n2A-n14A	-	No
5	CA_n2A-n30A	n2A-n30A	-	No
6	CA_n2A-n48A	n2A-n48A	-	No
7	CA_n2A-n5A	n2A-n5A	-	No
8	CA_n2A-n66A	n2A-n66A	-	No
9	CA_n2A-n71A	n2A-n71A	-	No
10	CA_n2A-n77A	n2A-n77A	-	No
11	CA_n2A-n78A	n2A-n78A	-	No
12	CA_n2A-n7A	n2A-n7A	-	No
13	CA_n2A-n41A	n2A-n41A	-	No
14	CA_n5(2A)	-	-	No
15	CA_n5B	n5B	-	No
16	CA_n5A-n12A	-	-	No
17	CA_n5A-n14A	-	-	No
18	CA_n5A-n25A	n5A-n25A	-	No
19	CA_n5A-n30A	n5A-n30A	-	No
20	CA_n5A-n48A	n5A-n48A	-	No
21	CA_n5A-n66A	n5A-n66A	-	No
22	CA_n5A-n77A	n5A-n77A	-	No
23	CA_n5A-n78A	n5A-n78A	-	No
24	CA_n5A-n7A	n5A-n7A	-	No
25	CA_n7(2A)	n7A-n7A	-	No
26	CA_n7B	n7B	-	No
27	CA_n7A-n12A	n7A-n12A	-	No
28	CA_n7A-n25A	n7A-n25A	-	No
29	CA_n7A-n66A	n7A-n66A	-	No
30	CA_n7A-n71A	n7A-n71A	-	No
31	CA_n7A-n77A	n7A-n77A	-	No
32	CA_n7A-n78A	n7A-n78A	-	No
33	CA_n12A-n25A	n12A-n25A	-	No
34	CA_n12A-n30A	n12A-n30A	-	No

35	CA_n12A-n41A	n12A-n41A	-	No
36	CA_n12A-n48A	n12A-n48A	-	No
37	CA_n12A-n66A	n12A-n66A	-	No
38	CA_n12A-n77A	n12A-n77A	-	No
39	CA_n12A-n78A	n12A-n78A	-	No
40	CA_n14A-n30A	n14A-n30A	-	No
41	CA_n14A-n66A	n14A-n66A	-	No
42	CA_n14A-n77A	n77A	-	No
43	CA_n25(2A)	n25A-n25A	-	No
44	CA_n25A-n29A	n25A-n29A	-	No
45	CA_n25A-n38A	n25A-n38A	-	No
46	CA_n25A-n41A	n25A-n41A	-	No
47	CA_n25A-n48A	n25A-n48A	-	No
48	CA_n25A-n66A	n25A-n66A	-	No
49	CA_n25A-n71A	n25A-n71A	-	No
50	CA_n25A-n77A	n25A-n77A	-	No
51	CA_n25A-n78A	n25A-n78A	-	No
52	CA_n26A-n66A	n66A	-	No
53	CA_n26A-n70A	n70A	-	No
54	CA_n29A-n30A	n29A-n30A	-	No
55	CA_n29A-n71A	-	-	No
56	CA_n30A-n66A	n30A-n66A	-	No
57	CA_n30A-n77A	n30A-n77A	-	No
58	CA_n38A-n66A	n38A-n66A	-	No
59	CA_n38A-n78A	n38A-n78A	-	No
60	CA_n41(2A)	n41A-n41A	-	No
61	CA_n41C	n41C	-	No
62	CA_n41A-n66A	n41A-n66A	-	No
63	CA_n41A-n71A	n41A-n71A	-	No
64	CA_n41A-n77A	n41A-n77A	-	No
65	CA_n41A-n78A	n41A-n78A	-	No
66	CA_n48(2A)	n48A-n48A	-	No
67	CA_n48C	n48C	-	No
68	CA_n48B	n48B	-	No
69	CA_n48A-n66A	n48A-n66A	-	No
70	CA_n48A-n70A	n48A-n70A	-	No
71	CA_n48A-n71A	n48A-n71A	-	No
72	CA_n48A-n77A	n48A-n77A	-	No

73	CA_n66(2A)	n66A-n66A	-	No
74	CA_n29A-n66A	n29A-n66A	-	No
75	CA_n66B	n66B	-	No
76	CA_n66A-n70A	n66A-n70A	-	No
77	CA_n66A-n71A	n66A-n71A	-	No
78	CA_n66A-n77A	n66A-n77A	-	No
79	CA_n66A-n78A	n66A-n78A	-	No
80	CA_n29A-n70A	n29A-n70A	-	No
81	CA_n70A-n71A	n70A-n71A	-	No
82	CA_n71B	n71B	-	No
83	CA_n71(2A)	-	-	No
84	CA_n71A-n77A	n71A-n77A	-	No
85	CA_n71A-n78A	n71A-n78A	-	No
86	CA_n77C	n77C	-	No
87	CA_n77(2A)	n77A-n77A	-	No
88	CA_n77A-n78A	n77A-n78A	-	No
89	CA_n78C	n78C	-	No
90	CA_n78(2A)	n78A-n78A	-	No
91	CA_n13A-n25A	n25A	-	No
92	CA_n13A-n66A	n66A	-	No
93	CA_n13A-n77A	n77A	-	No
94	CA_n41B	n41B	-	No
95	CA_n41A-n48A	n41A-n48A	-	No
96	CA_n77B	n77B	-	No

Note:

1. 3GPP channel spacing (5.4.1A of 3GPP TS 38.521 or equivalent) and channel bandwidth (5.3.2A) requirements.

For NR operating bands with 100 kHz channel raster:

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 2\left|GB_{Channel(1)} - GB_{Channel(2)}\right|}{0.6} \right\rfloor 0.3\ [\text{MHz}]$$

For NR operating bands with 15 kHz channel raster:

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 2\left|GB_{Channel(1)} - GB_{Channel(2)}\right|}{0.015 * 2^{n+1}} \right\rfloor 0.015 * 2^{n}\ [\text{MHz}]$$

2. The output power of CA uplink & downlink refers to the annex F of this report.

5. 5G NR EN-DC Consideration

➢ **General Guidance**

1. It is operate at EN-DC (NSA)/SA for 5G NR implementation according to the character of the device. SAR measurement should be performed separately for the limitations of the probe calculation factors.
2. When the EN-DC is active the output power of the LTE anchors is equal or less than the standalone carrier, therefore the LTE output power and SAR were estimated based on the standalone carrier to performed sim-TX analysis with 5G NR, WLAN and Bluetooth.

➢ **5G NR Anchor Combination**

No.	5G NR	EN-DC Combination	4G UL	NR UL
1	FDD	DC_5A_n2A	5A	n2A
2	FDD	DC_14A_n2A	14A	n2A
3	FDD	DC_30A_n2A	30A	n2A
4	FDD	DC_12A_n2A	12A	n2A
5	FDD	DC_66A_n2A	66A	n2A
6	FDD	DC_71A_n2A	71A	n2A
7	FDD	DC_13A_n2A	13A	n2A
8	FDD	DC_7A_n2A	7A	n2A
9	FDD	DC_4A_n2A	4A	n2A
10	FDD	DC_13A_n5A	13A	n5A
11	FDD	DC_2A_n5A	2A	n5A
12	FDD	DC_12A_n5A	12A	n5A
13	FDD	DC_30A_n5A	30A	n5A
14	FDD	DC_66A_n5A	66A	n5A
15	FDD	DC_7A_n5A	7A	n5A
16	FDD	DC_48A_n5A	48A	n5A
17	FDD	DC_5A_n7A	5A	n7A
18	FDD	DC_12A_n7A	12A	n7A
19	FDD	DC_66A_n7A	66A	n7A
20	FDD	DC_71A_n7A	71A	n7A
21	FDD	DC_13A_n7A	13A	n7A
22	FDD	DC_2A_n7A	2A	n7A
23	FDD	DC_4A_n7A	4A	n7A
24	FDD	DC_2A_n12A	2A	n12A
25	FDD	DC_30A_n12A	30A	n12A

26	FDD	DC_66A_n12A	66A	n12A
27	FDD	DC_7A_n12A	7A	n12A
28	FDD	DC_5A_n12A	5A	n12A
29	FDD	DC_48A_n12A	48A	n12A
30	FDD	DC_66A_n25A	66A	n25A
31	FDD	DC_12A_n25A	12A	n25A
32	FDD	DC_48A_n25A	48A	n25A
33	FDD	DC_7A_n25A	7A	n25A
34	FDD	DC_71A_n25A	71A	n25A
35	FDD	DC_5A_n25A	5A	n25A
36	FDD	DC_26A_n25A	26A	n25A
37	FDD	DC_13A_n25A	13A	n25A
38	TDD	DC_2A_n41A	2A	n41A
39	TDD	DC_66A_n41A	66A	n41A
40	TDD	DC_25A_n41A	25A	n41A
41	TDD	DC_26A_n41A	26A	n41A
42	TDD	DC_5A_n41A	5A	n41A
43	TDD	DC_4A_n41A	4A	n41A
44	TDD	DC_12A_n41A	12A	n41A
45	TDD	DC_71A_n41A	71A	n41A
46	TDD	DC_2A_n48A	2A	n48A
47	TDD	DC_5A_n48A	5A	n48A
48	TDD	DC_13A_n48A	13A	n48A
49	TDD	DC_66A_n48A	66A	n48A
50	FDD	DC_13A_n66A	13A	n66A
51	FDD	DC_2A_n66A	2A	n66A
52	FDD	DC_5A_n66A	5A	n66A
53	FDD	DC_12A_n66A	12A	n66A
54	FDD	DC_14A_n66A	14A	n66A
55	FDD	DC_30A_n66A	30A	n66A
56	FDD	DC_71A_n66A	71A	n66A
57	FDD	DC_48A_n66A	48A	n66A
58	FDD	DC_7A_n66A	7A	n66A
59	FDD	DC_2A_n71A	2A	n71A
60	FDD	DC_66A_n71A	66A	n71A
61	FDD	DC_5A_n71A	5A	n71A
62	FDD	DC_7A_n71A	7A	n71A
63	FDD	DC_48A_n71A	48A	n71A

64	TDD	DC_41A_n77A	41A	n77A
65	TDD	DC_7A_n77A	7A	n77A
66	TDD	DC_2A_n77A	2A	n77A
67	TDD	DC_5A_n77A	5A	n77A
68	TDD	DC_13A_n77A	13A	n77A
69	TDD	DC_66A_n77A	66A	n77A
70	TDD	DC_12A_n77A	12A	n77A
71	TDD	DC_14A_n77A	14A	n77A
72	TDD	DC_30A_n77A	30A	n77A
73	TDD	DC_25A_n77A	25A	n77A
74	FDD	DC_71A_n77A	71A	n77A
75	TDD	DC_7A_n78A	7A	n78A
76	TDD	DC_38A_n78A	38A	n78A
77	TDD	DC_5A_n78A	5A	n78A
78	TDD	DC_66A_n78A	66A	n78A
79	TDD	DC_2A_n78A	2A	n78A
80	TDD	DC_12A_n78A	12A	n78A
81	TDD	DC_13A_n78A	13A	n78A
82	TDD	DC_41A_n78A	41A	n78A
83	TDD	DC_4A_n78A	4A	n78A
84	TDD	DC_71A_n78A	71A	n78A
85	TDD	DC_26A_n78A	26A	n78A
86	TDD	DC_25A_n78A	25A	n78A
87	FDD	DC_2A-5A_n2A	5A	n2A
88	FDD	DC_5A-30A_n2A	5A, 30A	n2A
89	FDD	DC_5A-66A_n2A	5A, 66A	n2A
90	FDD	DC_12A-30A_n2A	12A, 30A	n2A
91	FDD	DC_14A-30A_n2A	14A, 30A	n2A
92	FDD	DC_14A-66A_n2A	14A, 66A	n2A
93	FDD	DC_29A-30A_n2A	30A	n2A
94	FDD	DC_29A-66A_n2A	66A	n2A
95	FDD	DC_30A-66A_n2A	30A, 66A	n2A
96	FDD	DC_2A-12A_n2A	12A	n2A
97	FDD	DC_2A-66A_n2A	66A	n2A
98	FDD	DC_12A-66A_n2A	12A, 66A	n2A
99	FDD	DC_66A-71A_n2A	66A, 71A	n2A
100	FDD	DC_13A-66A_n2A	13A, 66A	n2A
101	FDD	DC_13A-46A_n2A	13A	n2A

102	FDD	DC_13A-48A_n2A	13A	n2A
103	FDD	DC_5A-13A_n2A	5A, 13A	n2A
104	FDD	DC_2A-13A_n2A	13A	n2A
105	FDD	DC_5A-5A_n2A	5A	n2A
106	FDD	DC_5B_n2A	5A	n2A
107	FDD	DC_2A-14A_n2A	14A	n2A
108	FDD	DC_2A-30A_n2A	30A	n2A
109	FDD	DC_7C_n2A	7A	n2A
110	FDD	DC_66A-66A_n2A	66A	n2A
111	FDD	DC_7A-66A_n2A	7A, 66A	n2A
112	FDD	DC_2A-7A_n2A	7A	n2A
113	FDD	DC_2A-71A_n2A	71A	n2A
114	FDD	DC_5A-7A_n2A	5A, 7A	n2A
115	FDD	DC_7A-12A_n2A	7A, 12A	n2A
116	FDD	DC_66B_n2A	66A	n2A
117	FDD	DC_66C_n2A	66A	n2A
118	FDD	DC_48A-66A_n2A	66A	n2A
119	FDD	DC_2A-5A_n5A	2A	n5A
120	FDD	DC_2A-66A_n5A	2A, 66A	n5A
121	FDD	DC_2A-2A_n5A	2A	n5A
122	FDD	DC_2A-12A_n5A	2A, 12A	n5A
123	FDD	DC_2A-30A_n5A	2A, 30A	n5A
124	FDD	DC_5A-66A_n5A	66A	n5A
125	FDD	DC_12A-30A_n5A	12A, 30A	n5A
126	FDD	DC_12A-66A_n5A	12A, 66A	n5A
127	FDD	DC_30A-66A_n5A	30A, 66A	n5A
128	FDD	DC_66A-66A_n5A	66A	n5A
129	FDD	DC_7C_n5A	7A	n5A
130	FDD	DC_2A-48A_n5A	2A	n5A
131	FDD	DC_2A-46A_n5A	2A	n5A
132	FDD	DC_46A-66A_n5A	66A	n5A
133	FDD	DC_7A-7A_n5A	7A	n5A
134	FDD	DC_2A-7A_n5A	2A, 7A	n5A
135	FDD	DC_7A-66A_n5A	7A, 66A	n5A
136	FDD	DC_48A-66A_n5A	66A	n5A
137	FDD	DC_13A-46A_n5A	13A	n5A
138	FDD	DC_13A-66A_n5A	13A, 66A	n5A
139	FDD	DC_2A-13A_n5A	2A, 13A	n5A

140	FDD	DC_66B_n5A	66A	n5A
141	FDD	DC_66C_n5A	66A	n5A
142	FDD	DC_2A-(n)5AA	2A	n5A
143	FDD	DC_30A-(n)5AA	30A	n5A
144	FDD	DC_66A-(n)5AA	66A	n5A
145	FDD	DC_48C_n5A	48A	n5A
146	FDD	DC_66A-66A_n7A	66A	n7A
147	FDD	DC_5A-7A_n7A	5A	n7A
148	FDD	DC_2A-12A_n7A	2A, 12A	n7A
149	FDD	DC_2A-2A_n7A	2A	n7A
150	FDD	DC_2A-5A_n7A	2A, 5A	n7A
151	FDD	DC_2A-7A_n7A	2A	n7A
152	FDD	DC_2A-66A_n7A	2A, 66A	n7A
153	FDD	DC_2A-71A_n7A	2A, 71A	n7A
154	FDD	DC_5A-66A_n7A	5A, 66A	n7A
155	FDD	DC_7A-66A_n7A	66A	n7A
156	FDD	DC_12A-66A_n7A	12A, 66A	n7A
157	FDD	DC_66A-71A_n7A	66A, 71A	n7A
158	FDD	DC_2A-2A_n12A	2A	n12A
159	FDD	DC_2A-30A_n12A	2A, 30A	n12A
160	FDD	DC_2A-66A_n12A	2A, 66A	n12A
161	FDD	DC_30A-66A_n12A	30A, 66A	n12A
162	FDD	DC_66A-66A_n12A	66A	n12A
163	FDD	DC_2A-5A_n12A	2A, 5A	n12A
164	FDD	DC_5A-66A_n12A	5A, 66A	n12A
165	FDD	DC_2A-7A_n12A	2A, 7A	n12A
166	FDD	DC_7A-66A_n12A	7A, 66A	n12A
167	FDD	DC_2A-48A_n12A	2A	n12A
168	FDD	DC_48A-66A_n12A	66A	n12A
169	FDD	DC_12A-66A_n25A	12A, 66A	n25A
170	FDD	DC_2A-66A_n25A	66A	n25A
171	FDD	DC_46A-66A_n25A	66A	n25A
172	FDD	DC_48A-66A_n25A	66A	n25A
173	FDD	DC_48C_n25A	48A	n25A
174	FDD	DC_7A-66A_n25A	7A, 66A	n25A
175	FDD	DC_66A-71A_n25A	66A, 71A	n25A
176	FDD	DC_2A-7A_n25A	7A	n25A
177	FDD	DC_5A-7A_n25A	5A, 7A	n25A

178	FDD	DC_7A-12A_n25A	7A, 12A	n25A
179	FDD	DC_5A-66A_n25A	5A, 66A	n25A
180	FDD	DC_7A-7A_n25A	7A	n25A
181	FDD	DC_7C_n25A	7A	n25A
182	FDD	DC_2A-13A_n25A	13A	n25A
183	FDD	DC_7A-13A_n25A	7A, 13A	n25A
184	TDD	DC_2C_n41A	2A	n41A
185	TDD	DC_2A-66A_n41A	2A, 66A	n41A
186	TDD	DC_2A-46A_n41A	2A	n41A
187	TDD	DC_46A-66A_n41A	66A	n41A
188	TDD	DC_2A-2A_N41a	2A	n41A
189	TDD	DC_2A-4A_n41A	2A, 4A	n41A
190	TDD	DC_25A-25A_n41A	25A	n41A
191	TDD	DC_66A-71A_n41A	66A, 71A	n41A
192	TDD	DC_2A-71A_n41A	2A, 71A	n41A
193	TDD	DC_12A-66A_n41A	12A, 66A	n41A
194	TDD	DC_2A-12A_n41A	2A, 12A	n41A
195	TDD	DC_5A-66A_n41A	5A, 66A	n41A
196	TDD	DC_2A-5A_n41A	2A, 5A	n41A
197	TDD	DC_13A-66A_n48A	13A, 66A	n48A
198	TDD	DC_2A-66A_n48A	2A, 66A	n48A
199	TDD	DC_2A-13A_n48A	2A, 13A	n48A
200	TDD	DC_66A-66A_n48A	66A	n48A
201	TDD	DC_5A-66A_n48A	5A, 66A	n48A
202	TDD	DC_2A-5A_n48A	2A, 5A	n48A
203	TDD	DC_2A-48A_n48A	2A	n48A
204	TDD	DC_48A-66A_n48A	66A	n48A
205	FDD	DC_2A-(n)66AA	2A	n66A
206	FDD	DC_2A-13A_n66A	2A, 13A	n66A
207	FDD	DC_13A-66A_n66A	13A	n66A
208	FDD	DC_2A-5A_n66A	2A, 5A	n66A
209	FDD	DC_2A-12A_n66A	2A, 12A	n66A
210	FDD	DC_2A-30A_n66A	2A, 30A	n66A
211	FDD	DC_2A-66A_n66A	2A	n66A
212	FDD	DC_5A-30A_n66A	5A, 30A	n66A
213	FDD	DC_5A-66A_n66A	5A	n66A
214	FDD	DC_12A-30A_n66A	12A, 30A	n66A
215	FDD	DC_12A-66A_n66A	12A	n66A

216	FDD	DC_30A-66A_n66A	30A	n66A
217	FDD	DC_2A-2A_n66A	2A	n66A
218	FDD	DC_2A-14A_n66A	2A, 14A	n66A
219	FDD	DC_2A-29A_n66A	2A	n66A
220	FDD	DC_14A-30A_n66A	14A, 30A	n66A
221	FDD	DC_66A-71A_n66A	71A	n66A
222	FDD	DC_2A-48A_n66A	2A	n66A
223	FDD	DC_2A-46A_n66A	2A	n66A
224	FDD	DC_13A-46A_n66A	13A	n66A
225	FDD	DC_5A-46A_n66A	5A	n66A
226	FDD	DC_7A-7A_n66A	7A	n66A
227	FDD	DC_2A-7A_n66A	2A, 7A	n66A
228	FDD	DC_7A-66A_n66A	7A	n66A
229	FDD	DC_5A-7A_n66A	5A, 7A	n66A
230	FDD	DC_7A-13A_n66A	7A, 13A	n66A
231	FDD	DC_13A-48A_n66A	13A	n66A
232	FDD	DC_7C_n66A	7A	n66A
233	FDD	DC_5A-13A_n66A	5A, 13A	n66A
234	FDD	DC_5A-5A_n66A	5A	n66A
235	FDD	DC_5B_n66A	5A	n66A
236	FDD	DC_14A-66A_n66A	14A	n66A
237	FDD	DC_7A-12A_n66A	7A, 12A	n66A
238	FDD	DC_29A-30A_n66A	30A	n66A
239	FDD	DC_2A-71A_n66A	2A, 71A	n66A
240	FDD	DC_48C_n66A	48A	n66A
241	FDD	DC_66C_n71A	66A	n71A
242	FDD	DC_2A-66A_n71A	2A, 66A	n71A
243	FDD	DC_2A-(n)71AA	2A	n71A
244	FDD	DC_66A-66A_n71A	66A	n71A
245	FDD	DC_66A-(n)71AA	66A	n71A
246	FDD	DC_2A-7A_n71A	2A, 7A	n71A
247	FDD	DC_5A-7A_n71A	5A, 7A	n71A
248	FDD	DC_2A-46A_n71A	2A	n71A
249	FDD	DC_46A-66A_n71A	66A	n71A
250	FDD	DC_2A-2A_n71A	2A	n71A
251	FDD	DC_2C_n71A	2A	n71A
252	FDD	DC_7A-66A_n71A	7A, 66A	n71A
253	FDD	DC_2A-71A_n71A	2A	n71A

254	FDD	DC_66A-71A_n71A	66A	n71A
255	FDD	DC_2A-5A_n71A	2A, 5A	n71A
256	FDD	DC_5A-66A_n71A	5A, 66A	n71A
257	FDD	DC_2A-48A_n71A	2A	n71A
258	FDD	DC_48A-66A_n71A	66A	n71A
259	FDD	DC_48A-48A_n71A	48A	n71A
260	FDD	DC_48C_n71A	48A	n71A
261	TDD	DC_41C_n77A	41A	n77A
262	TDD	DC_41A-42A_n77A	41A	n77A
263	TDD	DC_7A-7A_n77A	7A	n77A
264	TDD	DC_2A-5A_n77A	2A, 5A	n77A
265	TDD	DC_2A-13A_n77A	2A, 13A	n77A
266	TDD	DC_2A-66A_n77A	2A, 66A	n77A
267	TDD	DC_5A-66A_n77A	5A, 66A	n77A
268	TDD	DC_13A-66A_n77A	13A, 66A	n77A
269	TDD	DC_66A-66A_n77A	66A	n77A
270	TDD	DC_2A-2A_n77A	2A	n77A
271	TDD	DC_2A-48A_n77A	2A	n77A
272	TDD	DC_13A-48A_n77A	13A	n77A
273	TDD	DC_48A-66A_n77A	66A	n77A
274	TDD	DC_12A-30A_n77A	12A, 30A	n77A
275	TDD	DC_12A-66A_n77A	12A, 66A	n77A
276	TDD	DC_14A-30A_n77A	14A, 30A	n77A
277	TDD	DC_14A-66A_n77A	14A, 66A	n77A
278	TDD	DC_2A-12A_n77A	2A, 12A	n77A
279	TDD	DC_2A-14A_n77A	2A, 14A	n77A
280	TDD	DC_2A-29A_n77A	2A	n77A
281	TDD	DC_2A-30A_n77A	2A, 30A	n77A
282	TDD	DC_5A-30A_n77A	5A, 30A	n77A
283	TDD	DC_29A-30A_n77A	30A	n77A
284	TDD	DC_29A-66A_n77A	66A	n77A
285	TDD	DC_30A-66A_n77A	30A, 66A	n77A
286	TDD	DC_7C_n77A	7A	n77A
287	TDD	DC_2A-7A_n77A	2A, 7A	n77A
288	TDD	DC_7A-66A_n77A	7A, 66A	n77A
289	TDD	DC_2A-46A_n77A	2A	n77A
290	TDD	DC_13A-46A_n77A	13A	n77A
291	TDD	DC_46A-66A_n77A	66A	n77A

292	TDD	DC_66A-71A_n77A	66A, 71A	n77A
293	TDD	DC_2A-71A_n77A	2A, 71A	n77A
294	TDD	DC_7A-12A_n77A	7A, 12A	n77A
295	TDD	DC_5A-7A_n77A	5A, 7A	n77A
296	TDD	DC_25A-25A_n77A	25A	n77A
297	TDD	DC_7A-25A_n77A	7A, 25A	n77A
298	TDD	DC_25A-66A_n77A	25A, 66A	n77A
299	TDD	DC_7C_n78A	7A	n78A
300	TDD	DC_5A-7A_n78A	5A, 7A	n78A
301	TDD	DC_7A-7A_n78A	7A	n78A
302	TDD	DC_66A-66A_n78A	66A	n78A
303	TDD	DC_2A-7A_n78A	2A, 7A	n78A
304	TDD	DC_2A-66A_n78A	2A, 66A	n78A
305	TDD	DC_7A-66A_n78A	7A, 66A	n78A
306	TDD	DC_2A-5A_n78A	2A, 5A	n78A
307	TDD	DC_2A-12A_n78A	2A, 12A	n78A
308	TDD	DC_41C_n78A	41A	n78A
309	TDD	DC_2A-2A_n78A	2A	n78A
310	TDD	DC_7A-46A_n78A	7A	n78A
311	TDD	DC_66A-71A_n78A	66A, 71A	n78A
312	TDD	DC_2A-71A_n78A	2A, 71A	n78A
313	TDD	DC_41A-42A_n78A	41A	n78A
314	TDD	DC_5A-66A_n78A	5A, 66A	n78A
315	TDD	DC_7A-12A_n78A	7A, 12A	n78A
316	TDD	DC_12A-66A_n78A	12A, 66A	n78A
317	TDD	DC_25A-25A_n78A	25A	n78A
318	TDD	DC_7A-25A_n78A	7A, 25A	n78A
319	TDD	DC_25A-66A_n78A	25A, 66A	n78A
320	TDD	DC_2A-29A_n78A	2A	n78A
321	TDD	DC_29A-66A_n78A	66A	n78A
322	TDD	DC_7A-29A_n78A	7A	n78A
323	FDD	DC_2A-5A-30A_n2A	5A, 30A	n2A
324	FDD	DC_2A-5A-66A_n2A	5A, 66A	n2A
325	FDD	DC_2A-12A-30A_n2A	12A, 30A	n2A
326	FDD	DC_5A-30A-66A_n2A	5A, 30A, 66A	n2A
327	FDD	DC_5A-66A-66A_n2A	5A, 66A	n2A
328	FDD	DC_12A-30A-66A_n2A	12A, 30A, 66A	n2A
329	FDD	DC_12A-66A-66A_n2A	12A, 66A	n2A

330	FDD	DC_14A-30A-66A_n2A	14A, 30A, 66A	n2A
331	FDD	DC_14A-66A-66A_n2A	14A, 66A	n2A
332	FDD	DC_29A-30A-66A_n2A	30A, 66A	n2A
333	FDD	DC_29A-66A-66A_n2A	66A	n2A
334	FDD	DC_30A-66A-66A_n2A	30A, 66A	n2A
335	FDD	DC_2A-12A-66A_n2A	12A, 66A	n2A
336	FDD	DC_2A-66A-71A_n2A	66A, 71A	n2A
337	FDD	DC_2A-13A-66A_n2A	13A, 66A	n2A
338	FDD	DC_13A-66A-66A_n2A	13A, 66A	n2A
339	FDD	DC_5A-5A-66A_n2A	5A, 66A	n2A
340	FDD	DC_2A-5B_n2A	5A	n2A
341	FDD	DC_5B-66A_n2A	5A, 66A	n2A
342	FDD	DC_2A-14A-30A_n2A	14A, 30A	n2A
343	FDD	DC_2A-14A-66A_n2A	14A, 66A	n2A
344	FDD	DC_2A-29A-30A_n2A	30A	n2A
345	FDD	DC_2A-29A-66A_n2A	66A	n2A
346	FDD	DC_2A-30A-66A_n2A	30A, 66A	n2A
347	FDD	DC_2A-66A-66A_n2A	66A	n2A
348	FDD	DC_13A-48C_n2A	13A	n2A
349	FDD	DC_2A-7A-66A_n2A	7A, 66A	n2A
350	FDD	DC_2A-5A-7A_n2A	5A, 7A	n2A
351	FDD	DC_2A-7A-12A_n2A	7A, 12A	n2A
352	FDD	DC_5A-7A-66A_n2A	5A, 7A, 66A	n2A
353	FDD	DC_7A-12A-66A_n2A	7A, 12A, 66A	n2A
354	FDD	DC_5A-66B_n2A	5A, 66A	n2A
355	FDD	DC_13A-66B_n2A	13A, 66A	n2A
356	FDD	DC_13A-66C_n2A	13A, 66A	n2A
357	FDD	DC_2A-48A-66A_n2A	66A	n2A
358	FDD	DC_48C-66A_n2A	66A	n2A
359	FDD	DC_66A-66A-66A_n2A	66A	n2A
360	FDD	DC_2A-2A-5A_n5A	2A	n5A
361	FDD	DC_2A-2A-30A_n5A	2A, 30A	n5A
362	FDD	DC_2A-2A-66A_n5A	2A, 66A	n5A
363	FDD	DC_2A-5A-66A_n5A	2A, 66A	n5A
364	FDD	DC_2A-30A-66A_n5A	2A, 30A, 66A	n5A
365	FDD	DC_2A-66A-66A_n5A	2A, 66A	n5A
366	FDD	DC_5A-66A-66A_n5A	66A	n5A
367	FDD	DC_30A-66A-66A_n5A	30A, 66A	n5A

368	FDD	DC_66A-66A-66A_n5A	66A	n5A
369	FDD	DC_2A-46A-48A_n5A	2A	n5A
370	FDD	DC_2A-46C_n5A	2A	n5A
371	FDD	DC_46C-66A_n5A	66A	n5A
372	FDD	DC_2A-7A-7A_n5A	2A, 7A	n5A
373	FDD	DC_7A-7A-66A_n5A	7A, 66A	n5A
374	FDD	DC_7A-66A-66A_n5A	7A, 66A	n5A
375	FDD	DC_7C-66A_n5A	7A, 66A	n5A
376	FDD	DC_2A-13A-66A_n5A	2A, 13A, 66A	n5A
377	FDD	DC_13A-66A-66A_n5A	13A, 66A	n5A
378	FDD	DC_2A-2A-13A_n5A	2A, 13A	n5A
379	FDD	DC_2A-66B_n5A	2A, 66A	n5A
380	FDD	DC_2A-46A-66A_n5A	2A, 66A	n5A
381	FDD	DC_48C-66A_n5A	66A	n5A
382	FDD	DC_2A-48A-66A_n5A	2A, 66A	n5A
383	FDD	DC_2A-7C_n5A	2A, 7A	n5A
384	FDD	DC_2A-48C_n5A	2A	n5A
385	FDD	DC_2A-2A-12A_n5A	2A, 12A	n5A
386	FDD	DC_2A-12A-30A_n5A	2A, 12A, 30A	n5A
387	FDD	DC_2A-12A-66A_n5A	2A, 12A, 66A	n5A
388	FDD	DC_12A-30A-66A_n5A	12A, 30A, 66A	n5A
389	FDD	DC_12A-66A-66A_n5A	12A, 66A	n5A
390	FDD	DC_2A-2A-(n)5AA	2A	n5A
391	FDD	DC_2A-66A-(n)5AA	2A, 66A	n5A
392	FDD	DC_2A-30A-(n)5AA	2A, 30A	n5A
393	FDD	DC_30A-66A-(n)5AA	30A, 66A	n5A
394	FDD	DC_66A-66A-(n)5AA	66A	n5A
395	FDD	DC_48D_n5A	48A	n5A
396	FDD	DC_2A-2A-5A_n7A	2A, 5A	n7A
397	FDD	DC_2A-2A-12A_n7A	2A, 12A	n7A
398	FDD	DC_2A-2A-66A_n7A	2A, 66A	n7A
399	FDD	DC_2A-2A-71A_n7A	2A, 71A	n7A
400	FDD	DC_2A-66A-66A_n7A	2A, 66A	n7A
401	FDD	DC_2A-5A-66A_n7A	2A, 5A, 66A	n7A
402	FDD	DC_5A-66A-66A_n7A	5A, 66A	n7A
403	FDD	DC_2A-12A-66A_n7A	2A, 12A, 66A	n7A
404	FDD	DC_2A-66A-71A_n7A	2A, 66A, 71A	n7A
405	FDD	DC_2A-2A-30A_n12A	2A, 30A	n12A

406	FDD	DC_2A-2A-66A_n12A	2A, 66A	n12A
407	FDD	DC_2A-5A-66A_n12A	2A, 5A, 66A	n12A
408	FDD	DC_2A-30A-66A_n12A	2A, 30A, 66A	n12A
409	FDD	DC_2A-66A-66A_n12A	2A, 66A	n12A
410	FDD	DC_30A-66A-66A_n12A	30A, 66A	n12A
411	FDD	DC_2A-2A-7A_n12A	2A, 7A	n12A
412	FDD	DC_2A-7A-66A_n12A	2A, 7A, 66A	n12A
413	FDD	DC_2A-48A-66A_n12A	2A, 66A	n12A
414	FDD	DC_46C-66A_n25A	66A	n25A
415	FDD	DC_48C-66A_n25A	66A	n25A
416	FDD	DC_48D_n25A	48A	n25A
417	FDD	DC_2A-7C_n25A	7A	n25A
418	FDD	DC_2A-7A-7A_n25A	7A	n25A
419	FDD	DC_7A-7A-13A_n25A	7A, 13A	n25A
420	FDD	DC_7C-13A_n25A	7A, 13A	n25A
421	FDD	DC_7A-7A-66A_n25A	7A, 66A	n25A
422	FDD	DC_7C-66A_n25A	7A, 66A	n25A
423	TDD	DC_2A-46C_n41A	2A	n41A
424	TDD	DC_2A-46A-66A_n41A	2A, 66A	n41A
425	TDD	DC_46C-66A_n41A	66A	n41A
426	TDD	DC_2A-2A-66A_n41A	2A, 66A	n41A
427	TDD	DC_2C-66A_n41A	2A, 66A	n41A
428	TDD	DC_25A-41C_n41A	25A	n41A
429	TDD	DC_2A-66A-71A_n41A	2A, 66A, 71A	n41A
430	TDD	DC_2A-2A-71A_n41A	2A, 71A	n41A
431	TDD	DC_2A-2A-12A_n41A	2A, 12A	n41A
432	TDD	DC_2A-12A-66A_n41A	2A, 12A, 66A	n41A
433	TDD	DC_2A-2A-5A_n41A	2A, 5A	n41A
434	TDD	DC_2A-5A-66A_n41A	2A, 5A, 66A	n41A
435	TDD	DC_2A-13A-66A_n48A	2A, 13A, 66A	n48A
436	TDD	DC_13A-66A-66A_n48A	13A, 66A	n48A
437	TDD	DC_2A-5A-66A_n48A	2A, 5A, 66A	n48A
438	TDD	DC_2A-66A-66A_n48A	2A, 66A	n48A
439	TDD	DC_5A-66A-66A_n48A	5A, 66A	n48A
440	FDD	DC_2A-5A-66A_n66A	2A, 5A	n66A
441	FDD	DC_2A-13A-66A_n66A	2A, 13A	n66A
442	FDD	DC_2A-66A-66A_n66A	2A	n66A
443	FDD	DC_5A-66A-66A_n66A	5A	n66A

444	FDD	DC_2A-2A-5A_n66A	2A, 5A	n66A
445	FDD	DC_2A-2A-12A_n66A	2A, 12A	n66A
446	FDD	DC_2A-2A-14A_n66A	2A, 14A	n66A
447	FDD	DC_2A-2A-29A_n66A	2A	n66A
448	FDD	DC_2A-2A-30A_n66A	2A, 30A	n66A
449	FDD	DC_2A-5A-30A_n66A	2A, 5A, 30A	n66A
450	FDD	DC_2A-12A-30A_n66A	2A, 12A, 30A	n66A
451	FDD	DC_2A-14A-30A_n66A	2A, 14A, 30A	n66A
452	FDD	DC_5A-30A-66A_n66A	5A, 30A	n66A
453	FDD	DC_12A-30A-66A_n66A	12A, 30A	n66A
454	FDD	DC_2A-12A-66A_n66A	2A, 12A	n66A
455	FDD	DC_2A-66A-71A_n66A	2A, 71A	n66A
456	FDD	DC_2A-7A-7A_n66A	2A, 7A	n66A
457	FDD	DC_2A-46A-48A_n66A	2A	n66A
458	FDD	DC_2A-46C_n66A	2A	n66A
459	FDD	DC_7A-7A-66A_n66A	7A	n66A
460	FDD	DC_2A-7A-66A_n66A	2A, 7A	n66A
461	FDD	DC_5A-7A-7A_n66A	5A, 7A	n66A
462	FDD	DC_7A-7A-13A_n66A	7A, 13A	n66A
463	FDD	DC_2A-5A-7A_n66A	2A, 5A, 7A	n66A
464	FDD	DC_2A-7A-13A_n66A	2A, 7A, 13A	n66A
465	FDD	DC_2A-2A-7A_n66A	2A, 7A	n66A
466	FDD	DC_2A-2A-66A_n66A	2A	n66A
467	FDD	DC_2A-7C_n66A	2A, 7A	n66A
468	FDD	DC_7C-66A_n66A	7A	n66A
469	FDD	DC_7C-13A_n66A	7A, 13A	n66A
470	FDD	DC_2A-2A-13A_n66A	2A, 13A	n66A
471	FDD	DC_13A-66A-66A_n66A	13A	n66A
472	FDD	DC_5A-5A-66A_n66A	5A	n66A
473	FDD	DC_2A-5B_n66A	2A, 5A	n66A
474	FDD	DC_5B-66A_n66A	5A	n66A
475	FDD	DC_2A-14A-66A_n66A	2A, 14A	n66A
476	FDD	DC_14A-30A-66A_n66A	14A, 30A	n66A
477	FDD	DC_2A-29A-66A_n66A	2A	n66A
478	FDD	DC_2A-30A-66A_n66A	2A, 30A	n66A
479	FDD	DC_29A-30A-66A_n66A	30A	n66A
480	FDD	DC_2A-2A-71A_n66A	2A, 71A	n66A
481	FDD	DC_5A-7A-66A_n66A	5A, 7A	n66A

482	FDD	DC_5A-7C_n66A	5A, 7A	n66A
483	FDD	DC_7A-13A-66A_n66A	7A, 13A	n66A
484	FDD	DC_2A-48C_n66A	2A	n66A
485	FDD	DC_48D_n66A	48A	n66A
486	FDD	DC_2A-7A-12A_n66A	2A, 7A, 12A	n66A
487	FDD	DC_7A-66A-66A_n66A	7A	n66A
488	FDD	DC_2A-48A-66A_n66A	2A	n66A
489	FDD	DC_66C-(n)71AA	66A	n71A
490	FDD	DC_2A-66C_n71A	2A, 66A	n71A
491	FDD	DC_2A-66A-(n)71AA	2A, 66A	n71A
492	FDD	DC_2A-46C_n71A	2A	n71A
493	FDD	DC_2A-46A-66A_n71A	2A, 66A	n71A
494	FDD	DC_46C-66A_n71A	66A	n71A
495	FDD	DC_2A-2A-66A_n71A	2A, 66A	n71A
496	FDD	DC_2C-66A_n71A	2A, 66A	n71A
497	FDD	DC_2A-7A-66A_n71A	2A, 7A, 66A	n71A
498	FDD	DC_2A-2A-7A_n71A	2A, 7A	n71A
499	FDD	DC_7A-66A-66A_n71A	7A, 66A	n71A
500	FDD	DC_2A-66A-66A_n71A	2A, 66A	n71A
501	FDD	DC_2A-5A-66A_n71A	2A, 5A, 66A	n71A
502	FDD	DC_2A-66A-71A_n71A	2A, 66A	n71A
503	FDD	DC_2A-48A-66A_n71A	2A, 66A	n71A
504	TDD	DC_41A-42C_n77A	41A	n77A
505	TDD	DC_41C-42A_n77A	41A	n77A
506	TDD	DC_2A-5A-66A_n77A	2A, 5A, 66A	n77A
507	TDD	DC_2A-13A-66A_n77A	2A, 13A, 66A	n77A
508	TDD	DC_2A-66A-66A_n77A	2A, 66A	n77A
509	TDD	DC_5A-66A-66A_n77A	5A, 66A	n77A
510	TDD	DC_13A-66A-66A_n77A	13A, 66A	n77A
511	TDD	DC_2A-2A-13A_n77A	2A, 13A	n77A
512	TDD	DC_2A-2A-66A_n77A	2A, 66A	n77A
513	TDD	DC_66A-66A-66A_n77A	66A	n77A
514	TDD	DC_2A-2A-5A_n77A	2A, 5A	n77A
515	TDD	DC_13A-48A-66A_n77A	13A, 66A	n77A
516	TDD	DC_2A-48A-66A_n77A	2A, 66A	n77A
517	TDD	DC_2A-13A-48A_n77A	2A, 13A	n77A
518	TDD	DC_12A-30A-66A_n77A	12A, 30A, 66A	n77A
519	TDD	DC_12A-66A-66A_n77A	12A, 66A	n77A

520	TDD	DC_14A-30A-66A_n77A	14A, 30A, 66A	n77A
521	TDD	DC_14A-66A-66A_n77A	14A, 66A	n77A
522	TDD	DC_2A-12A-30A_n77A	2A, 12A, 30A	n77A
523	TDD	DC_2A-12A-66A_n77A	2A, 12A, 66A	n77A
524	TDD	DC_2A-14A-30A_n77A	2A, 14A, 30A	n77A
525	TDD	DC_2A-14A-66A_n77A	2A, 14A, 66A	n77A
526	TDD	DC_2A-2A-12A_n77A	2A, 12A	n77A
527	TDD	DC_2A-2A-14A_n77A	2A, 14A	n77A
528	TDD	DC_30A-66A-66A_n77A	30A, 66A	n77A
529	TDD	DC_2A-2A-30A_n77A	2A, 30A	n77A
530	TDD	DC_2A-30A-66A_n77A	2A, 30A, 66A	n77A
531	TDD	DC_2A-2A-29A_n77A	2A	n77A
532	TDD	DC_2A-29A-30A_n77A	2A, 30A	n77A
533	TDD	DC_2A-29A-66A_n77A	2A, 66A	n77A
534	TDD	DC_29A-30A-66A_n77A	30A, 66A	n77A
535	TDD	DC_29A-66A-66A_n77A	66A	n77A
536	TDD	DC_2A-5A-30A_n77A	2A, 5A, 30A	n77A
537	TDD	DC_5A-30A-66A_n77A	5A, 30A, 66A	n77A
538	TDD	DC_2A-7A-7A_n77A	2A, 7A	n77A
539	TDD	DC_2A-7A-66A_n77A	2A, 7A, 66A	n77A
540	TDD	DC_7A-7A-66A_n77A	7A, 66A	n77A
541	TDD	DC_2A-7C_n77A	2A, 7A	n77A
542	TDD	DC_7C-66A_n77A	7A, 66A	n77A
543	TDD	DC_7A-7A-25A_n77A	7A, 25A	n77A
544	TDD	DC_7C-25A_n77A	7A, 25A	n77A
545	TDD	DC_7A-25A-25A_n77A	7A, 25A	n77A
546	TDD	DC_25A-25A-66A_n77A	25A, 66A	n77A
547	TDD	DC_7A-25A-66A_n77A	7A, 25A, 66A	n77A
548	TDD	DC_13A-46A-46A_n77A	13A	n77A
549	TDD	DC_13A-48A-48A_n77A	13A	n77A
550	TDD	DC_2A-46A-46A_n77A	2A	n77A
551	TDD	DC_2A-48A-48A_n77A	2A	n77A
552	TDD	DC_46A-46A-66A_n77A	66A	n77A
553	TDD	DC_48A-48A-66A_n77A	66A	n77A
554	TDD	DC_2A-48C_n77A	2A	n77A
555	TDD	DC_48C-66A_n77A	66A	n77A
556	TDD	DC_5A-7C_n78A	5A, 7A	n78A
557	TDD	DC_5A-66A-66A_n78A	5A, 66A	n78A

558	TDD	DC_5A-7A-7A_n78A	5A, 7A	n78A
559	TDD	DC_2A-7C_n78A	2A, 7A	n78A
560	TDD	DC_7C-66A_n78A	7A, 66A	n78A
561	TDD	DC_2A-7A-7A_n78A	2A, 7A	n78A
562	TDD	DC_2A-7A-66A_n78A	2A, 7A, 66A	n78A
563	TDD	DC_2A-66A-66A_n78A	2A, 66A	n78A
564	TDD	DC_7A-7A-66A_n78A	7A, 66A	n78A
565	TDD	DC_7A-66A-66A_n78A	7A, 66A	n78A
566	TDD	DC_2A-2A-7A_n78A	2A, 7A	n78A
567	TDD	DC_2A-2A-66A_n78A	2A, 66A	n78A
568	TDD	DC_7A-46C_n78A	7A	n78A
569	TDD	DC_2A-66A-71A_n78A	2A, 66A, 71A	n78A
570	TDD	DC_2A-2A-71A_n78A	2A, 71A	n78A
571	TDD	DC_41C-42A_n78A	41A	n78A
572	TDD	DC_41A-42C_n78A	41A	n78A
573	TDD	DC_5A-7A-66A_n78A	5A, 7A, 66A	n78A
574	TDD	DC_2A-2A-12A_n78A	2A, 12A	n78A
575	TDD	DC_2A-7A-12A_n78A	2A, 7A, 12A	n78A
576	TDD	DC_2A-12A-66A_n78A	2A, 12A, 66A	n78A
577	TDD	DC_7A-12A-66A_n78A	7A, 12A, 66A	n78A
578	TDD	DC_2A-2A-5A_n78A	2A, 5A	n78A
579	TDD	DC_2A-5A-7A_n78A	2A, 5A, 7A	n78A
580	TDD	DC_2A-5A-66A_n78A	2A, 5A, 66A	n78A
581	TDD	DC_7A-29A-66A_n78A	7A, 66A	n78A
582	TDD	DC_7A-7A-25A_n78A	7A, 25A	n78A
583	TDD	DC_7C-25A_n78A	7A, 25A	n78A
584	TDD	DC_7A-25A-25A_n78A	7A, 25A	n78A
585	TDD	DC_7A-25A-66A_n78A	7A, 25A, 66A	n78A
586	TDD	DC_25A-25A-66A_n78A	25A, 66A	n78A
587	TDD	DC_2A-7A-29A_n78A	2A, 7A	n78A
588	TDD	DC_7A-7A-29A_n78A	7A	n78A
589	TDD	DC_2A-29A-66A_n78A	2A, 66A	n78A
590	TDD	DC_7C-29A_n78A	7A	n78A
591	TDD	DC_41D_n78A	41A	n78A
592	FDD	DC_2A-5A-30A-66A_n2A	5A, 30A, 66A	n2A
593	FDD	DC_2A-12A-30A-66A_n2A	12A, 30A, 66A	n2A
594	FDD	DC_2A-29A-30A-66A_n2A	30A, 66A	n2A
595	FDD	DC_2A-5A-66A-66A_n2A	5A, 66A	n2A

596	FDD	DC_2A-12A-66A-66A_n2A	12A, 66A	n2A
597	FDD	DC_2A-30A-66A-66A_n2A	30A, 66A	n2A
598	FDD	DC_5A-5A-66A-66A_n2A	5A, 66A	n2A
599	FDD	DC_5A-30A-66A-66A_n2A	5A, 30A, 66A	n2A
600	FDD	DC_12A-30A-66A-66A_n2A	12A, 30A, 66A	n2A
601	FDD	DC_14A-30A-66A-66A_n2A	14A, 30A, 66A	n2A
602	FDD	DC_29A-30A-66A-66A_n2A	30A, 66A	n2A
603	FDD	DC_13A-48D_n2A	13A	n2A
604	FDD	DC_2A-13A-66A-66A_n2A	13A, 66A	n2A
605	FDD	DC_2A-5B-66A_n2A	5A, 66A	n2A
606	FDD	DC_5B-66A-66A_n2A	5A, 66A	n2A
607	FDD	DC_2A-14A-30A-66A_n2A	14A, 30A, 66A	n2A
608	FDD	DC_2A-14A-66A-66A_n2A	14A, 66A	n2A
609	FDD	DC_2A-5A-7A-66A_n2A	5A, 7A, 66A	n2A
610	FDD	DC_2A-7A-12A-66A_n2A	7A, 12A, 66A	n2A
611	FDD	DC_2A-48C-66A_n2A	66A	n2A
612	FDD	DC_48D-66A_n2A	66A	n2A
613	FDD	DC_2A-29A-66A-66A_n2A	66A	n2A
614	FDD	DC_30A-66A-66A-66A_n5A	30A, 66A	n5A
615	FDD	DC_2A-2A-5A-66A_n5A	2A, 66A	n5A
616	FDD	DC_2A-2A-12A-30A_n5A	2A, 12A, 30A	n5A
617	FDD	DC_2A-2A-12A-66A_n5A	2A, 12A, 66A	n5A
618	FDD	DC_2A-2A-30A-66A_n5A	2A, 30A, 66A	n5A
619	FDD	DC_2A-2A-66A-66A_n5A	2A, 66A	n5A
620	FDD	DC_2A-5A-66A-66A_n5A	2A, 66A	n5A
621	FDD	DC_2A-12A-30A-66A_n5A	2A, 12A, 30A, 66A	n5A
622	FDD	DC_2A-12A-66A-66A_n5A	2A, 12A, 66A	n5A
623	FDD	DC_2A-30A-66A-66A_n5A	2A, 30A, 66A	n5A
624	FDD	DC_12A-30A-66A-66A_n5A	12A, 30A, 66A	n5A
625	FDD	DC_2A-46C-48A_n5A	2A	n5A
626	FDD	DC_2A-46D_n5A	2A	n5A
627	FDD	DC_7A-7A-66A-66A_n5A	7A, 66A	n5A
628	FDD	DC_48D-66A_n5A	66A	n5A
629	FDD	DC_2A-48D_n5A	2A	n5A
630	FDD	DC_46D-66A_n5A	66A	n5A
631	FDD	DC_7C-66A-66A_n5A	7A, 66A	n5A
632	FDD	DC_2A-66A-66A-66A_n5A	2A, 66A	n5A
633	FDD	DC_2A-13A-66A-66A_n5A	2A, 13A, 66A	n5A

634	FDD	DC_2A-2A-13A-66A_n5A	2A, 13A, 66A	n5A
635	FDD	DC_2A-46C-66A_n5A	2A, 66A	n5A
636	FDD	DC_2A-48C-66A_n5A	2A, 66A	n5A
637	FDD	DC_2A-2A-30A-(n)5AA	2A, 30A	n5A
638	FDD	DC_2A-2A-66A-(n)5AA	2A, 66A	n5A
639	FDD	DC_2A-30A-66A-(n)5AA	2A, 30A, 66A	n5A
640	FDD	DC_2A-66A-66A-(n)5AA	2A, 66A	n5A
641	FDD	DC_48E_n5A	48A	n5A
642	FDD	DC_2A-2A-5A-66A_n7A	2A, 5A, 66A	n7A
643	FDD	DC_2A-2A-12A-66A_n7A	2A, 12A, 66A	n7A
644	FDD	DC_2A-2A-66A-71A_n7A	2A, 66A, 71A	n7A
645	FDD	DC_2A-5A-66A-66A_n7A	2A, 5A, 66A	n7A
646	FDD	DC_2A-2A-30A-66A_n12A	2A, 30A, 66A	n12A
647	FDD	DC_2A-2A-66A-66A_n12A	2A, 66A	n12A
648	FDD	DC_2A-30A-66A-66A_n12A	2A, 30A, 66A	n12A
649	FDD	DC_2A-66A-66A-66A_n12A	2A, 66A	n12A
650	FDD	DC_2A-2A-7A-66A_n12A	2A, 7A, 66A	n12A
651	FDD	DC_46D-66A_n25A	66A	n25A
652	FDD	DC_48D-66A_n25A	66A	n25A
653	TDD	DC_2A-46D_n41A	2A	n41A
654	TDD	DC_2A-46C-66A_n41A	2A, 66A	n41A
655	TDD	DC_46D-66A_n41A	66A	n41A
656	TDD	DC_2A-2A-66A-71A_n41A	2A, 66A, 71A	n41A
657	TDD	DC_2A-2A-12A-66A_n41A	2A, 12A, 66A	n41A
658	TDD	DC_2A-2A-5A-66A_n41A	2A, 5A, 66A	n41A
659	TDD	DC_2A-13A-66A-66A_n48A	2A, 13A, 66A	n48A
660	TDD	DC_2A-5A-66A-66A_n48A	2A, 5A, 66A	n48A
661	FDD	DC_2A-2A-5A-30A_n66A	2A, 5A, 30A	n66A
662	FDD	DC_2A-2A-5A-66A_n66A	2A, 5A	n66A
663	FDD	DC_2A-2A-12A-30A_n66A	2A, 12A, 30A	n66A
664	FDD	DC_2A-2A-12A-66A_n66A	2A, 12A	n66A
665	FDD	DC_2A-2A-14A-30A_n66A	2A, 14A, 30A	n66A
666	FDD	DC_2A-2A-29A-30A_n66A	2A, 30A	n66A
667	FDD	DC_2A-2A-30A-66A_n66A	2A, 30A	n66A
668	FDD	DC_2A-5A-30A-66A_n66A	2A, 5A, 30A	n66A
669	FDD	DC_2A-29A-30A-66A_n66A	2A, 30A	n66A
670	FDD	DC_2A-12A-30A-66A_n66A	2A, 12A, 30A	n66A
671	FDD	DC_2A-7A-7A-13A_n66A	2A, 7A, 13A	n66A

672	FDD	DC_2A-7A-7A-66A_n66A	2A, 7A	n66A
673	FDD	DC_2A-46C-48A_n66A	2A	n66A
674	FDD	DC_2A-46D_n66A	2A	n66A
675	FDD	DC_2A-5A-7A-7A_n66A	2A, 5A, 7A	n66A
676	FDD	DC_2A-7C-66A_n66A	2A, 7A	n66A
677	FDD	DC_2A-7C-13A_n66A	2A, 7A, 13A	n66A
678	FDD	DC_13A-48D_n66A	13A	n66A
679	FDD	DC_2A-5A-7C_n66A	2A, 5A, 7A	n66A
680	FDD	DC_2A-2A-13A-66A_n66A	2A, 13A	n66A
681	FDD	DC_2A-13A-66A-66A_n66A	2A, 13A	n66A
682	FDD	DC_2A-5A-66A-66A_n66A	2A, 5A	n66A
683	FDD	DC_5A-5A-66A-66A_n66A	5A	n66A
684	FDD	DC_2A-5B-66A_n66A	2A, 5A	n66A
685	FDD	DC_5B-66A-66A_n66A	5A	n66A
686	FDD	DC_2A-2A-14A-66A_n66A	2A, 14A	n66A
687	FDD	DC_2A-14A-30A-66A_n66A	2A, 14A, 30A	n66A
688	FDD	DC_2A-7A-13A-66A_n66A	2A, 7A, 13A	n66A
689	FDD	DC_5A-7C-66A_n66A	5A, 7A	n66A
690	FDD	DC_2A-13A-66B_n66A	2A, 13A	n66A
691	FDD	DC_2A-48D_n66A	2A	n66A
692	FDD	DC_2A-5A-7A-66A_n66A	2A, 5A, 7A	n66A
693	FDD	DC_2A-2A-5A-7A_n66A	2A, 5A, 7A	n66A
694	FDD	DC_2A-2A-7A-12A_n66A	2A, 7A, 12A	n66A
695	FDD	DC_7C-13A-66A_n66A	7A, 13A	n66A
696	FDD	DC_2A-2A-66A-66A_n66A	2A	n66A
697	FDD	DC_5A-7A-7A-66A_n66A	5A, 7A	n66A
698	FDD	DC_2A-2A-7A-7A_n66A	2A, 7A	n66A
699	FDD	DC_2A-2A-7A-13A_n66A	2A, 7A, 13A	n66A
700	FDD	DC_2A-2A-7C_n66A	2A, 7A	n66A
701	FDD	DC_7A-7A-13A-66A_n66A	7A, 13A	n66A
702	FDD	DC_7A-7A-66A-66A_n66A	7A	n66A
703	FDD	DC_2A-7A-66A-66A_n66A	2A, 7A	n66A
704	FDD	DC_2A-48C-66A_n66A	2A	n66A
705	FDD	DC_2A-2A-29A-66A_n66A	2A	n66A
706	FDD	DC_2A-66C-(n)71AA	2A, 66A	n71A
707	FDD	DC_2A-46D_n71A	2A	n71A
708	FDD	DC_2A-46C-66A_n71A	2A, 66A	n71A
709	FDD	DC_46D-66A_n71A	66A	n71A

710	FDD	DC_2A-2A-7A-66A_n71A	2A, 7A, 66A	n71A
711	FDD	DC_2A-2A-66A-66A_n71A	2A, 66A	n71A
712	TDD	DC_41C-42C_n77A	41A	n77A
713	TDD	DC_12A-30A-66A-66A_n77A	12A, 30A, 66A	n77A
714	TDD	DC_14A-30A-66A-66A_n77A	14A, 30A, 66A	n77A
715	TDD	DC_2A-12A-66A-66A_n77A	2A, 12A, 66A	n77A
716	TDD	DC_2A-14A-30A-66A_n77A	2A, 14A, 30A, 66A	n77A
717	TDD	DC_2A-14A-66A-66A_n77A	2A, 14A, 66A	n77A
718	TDD	DC_2A-2A-12A-66A_n77A	2A, 12A, 66A	n77A
719	TDD	DC_2A-2A-14A-66A_n77A	2A, 14A, 66A	n77A
720	TDD	DC_2A-12A-30A-66A_n77A	2A, 12A, 30A, 66A	n77A
721	TDD	DC_2A-2A-12A-30A_n77A	2A, 12A, 30A	n77A
722	TDD	DC_2A-5A-30A-66A_n77A	2A, 5A, 30A, 66A	n77A
723	TDD	DC_2A-2A-5A-30A_n77A	2A, 5A, 30A	n77A
724	TDD	DC_5A-30A-66A-66A_n77A	5A, 30A, 66A	n77A
725	TDD	DC_2A-5A-66A-66A_n77A	2A, 5A, 66A	n77A
726	TDD	DC_2A-2A-5A-66A_n77A	2A, 5A, 66A	n77A
727	TDD	DC_2A-2A-29A-30A_n77A	2A, 30A	n77A
728	TDD	DC_2A-29A-30A-66A_n77A	2A, 30A, 66A	n77A
729	TDD	DC_2A-2A-30A-66A_n77A	2A, 30A, 66A	n77A
730	TDD	DC_2A-30A-66A-66A_n77A	2A, 30A, 66A	n77A
731	TDD	DC_2A-2A-66A-66A_n77A	2A, 66A	n77A
732	TDD	DC_2A-7A-7A-66A_n77A	2A, 7A, 66A	n77A
733	TDD	DC_2A-7C-66A_n77A	2A, 7A, 66A	n77A
734	TDD	DC_7C-25A-25A_n77A	7A, 25A	n77A
735	TDD	DC_7A-7A-25A-25A_n77A	7A, 25A	n77A
736	TDD	DC_7A-7A-25A-66A_n77A	7A, 25A, 66A	n77A
737	TDD	DC_7A-25A-25A-66A_n77A	7A, 25A, 66A	n77A
738	TDD	DC_7C-25A-66A_n77A	7A, 25A, 66A	n77A
739	TDD	DC_2A-13A-66A-66A_n77A	2A, 13A, 66A	n77A
740	TDD	DC_2A-2A-13A-66A_n77A	2A, 13A, 66A	n77A
741	TDD	DC_2A-48D_n77A	2A	n77A
742	TDD	DC_48D-66A_n77A	66A	n77A
743	TDD	DC_2A-48C-66A_n77A	2A, 66A	n77A
744	TDD	DC_2A-48A-48A-48A_n77A	2A	n77A
745	TDD	DC_48A-48A-48A-66A_n77A	66A	n77A
746	TDD	DC_5A-7C-66A_n78A	5A, 7A, 66A	n78A
747	TDD	DC_5A-7A-66A-66A_n78A	5A, 7A, 66A	n78A

748	TDD	DC_7C-66A-66A_n78A	7A, 66A	n78A
749	TDD	DC_2A-7C-66A_n78A	2A, 7A, 66A	n78A
750	TDD	DC_2A-7A-7A-66A_n78A	2A, 7A, 66A	n78A
751	TDD	DC_2A-7A-66A-66A_n78A	2A, 7A, 66A	n78A
752	TDD	DC_7A-7A-66A-66A_n78A	7A, 66A	n78A
753	TDD	DC_2A-2A-7A-66A_n78A	2A, 7A, 66A	n78A
754	TDD	DC_2A-2A-5A-66A_n78A	2A, 5A, 66A	n78A
755	TDD	DC_7A-46D_n78A	7A	n78A
756	TDD	DC_2A-2A-66A-71A_n78A	2A, 66A, 71A	n78A
757	TDD	DC_41C-42C_n78A	41A	n78A
758	TDD	DC_2A-7A-12A-66A_n78A	2A, 7A, 12A, 66A	n78A
759	TDD	DC_2A-2A-7A-12A_n78A	2A, 7A, 12A	n78A
760	TDD	DC_2A-2A-12A-66A_n78A	2A, 12A, 66A	n78A
761	TDD	DC_2A-2A-5A-7A_n78A	2A, 5A, 7A	n78A
762	TDD	DC_2A-5A-7A-66A_n78A	2A, 5A, 7A, 66A	n78A
763	TDD	DC_7A-7A-25A-25A_n78A	7A, 25A	n78A
764	TDD	DC_7C-25A-25A_n78A	7A, 25A	n78A
765	TDD	DC_7A-7A-25A-66A_n78A	7A, 25A, 66A	n78A
766	TDD	DC_7C-25A-66A_n78A	7A, 25A, 66A	n78A
767	TDD	DC_7A-25A-25A-66A_n78A	7A, 25A, 66A	n78A
768	TDD	DC_2A-7A-7A-29A_n78A	2A, 7A	n78A
769	TDD	DC_2A-7A-29A-66A_n78A	2A, 7A, 66A	n78A
770	TDD	DC_7A-7A-29A-66A_n78A	7A, 66A	n78A
771	TDD	DC_2A-7C-29A_n78A	2A, 7A	n78A
772	TDD	DC_7C-29A-66A_n78A	7A, 66A	n78A
773	FDD	DC_13A-48E_n2A	13A	n2A
774	FDD	DC_2A-5B-66A-66A_n2A	5A, 66A	n2A
775	FDD	DC_2A-48D-66A_n2A	66A	n2A
776	FDD	DC_48E-66A_n2A	66A	n2A
777	FDD	DC_2A-46E_n5A	2A	n5A
778	FDD	DC_46E-66A_n5A	66A	n5A
779	FDD	DC_2A-46D-48A_n5A	2A	n5A
780	FDD	DC_48E-66A_n5A	66A	n5A
781	FDD	DC_2A-2A-13A-66A-66A_n5A	2A, 13A, 66A	n5A
782	FDD	DC_2A-2A-46D_n5A	2A	n5A
783	FDD	DC_2A-46D-66A_n5A	2A, 66A	n5A
784	FDD	DC_46D-66A-66A_n5A	66A	n5A
785	FDD	DC_2A-48D-66A_n5A	2A, 66A	n5A

786	FDD	DC_2A-2A-5A-66A-66A_n5A	2A, 66A	n5A
787	FDD	DC_2A-48E_n5A	2A	n5A
788	FDD	DC_2A-5A-7A-66A-66A_n7A	2A, 5A, 66A	n7A
789	TDD	DC_2A-46D-66A_n41A	2A, 66A	n41A
790	FDD	DC_2A-7A-7A-66A-66A_n66A	2A, 7A	n66A
791	FDD	DC_2A-46D-48A_n66A	2A	n66A
792	FDD	DC_2A-46E_n66A	2A	n66A
793	FDD	DC_13A-48E_n66A	13A	n66A
794	FDD	DC_2A-2A-13A-66A-66A_n66A	2A, 13A	n66A
795	FDD	DC_2A-2A-5A-66A-66A_n66A	2A, 5A	n66A
796	FDD	DC_2A-5B-66A-66A_n66A	2A, 5A	n66A
797	FDD	DC_2A-7C-13A-66A_n66A	2A, 7A, 13A	n66A
798	FDD	DC_2A-5A-7A-7A-66A_n66A	2A, 5A, 7A	n66A
799	FDD	DC_2A-7A-7A-13A-66A_n66A	2A, 7A, 13A	n66A
800	FDD	DC_2A-2A-7A-7A-13A_n66A	2A, 7A, 13A	n66A
801	FDD	DC_2A-2A-7C-13A_n66A	2A, 7A, 13A	n66A
802	FDD	DC_2A-5A-7C-66A_n66A	2A, 5A, 7A	n66A
803	FDD	DC_2A-48D-66A_n66A	2A	n66A
804	FDD	DC_2A-48E_n66A	2A	n66A
805	FDD	DC_2A-46D-66A_n71A	2A, 66A	n71A
806	TDD	DC_7A-7A-25A-25A-66A_n77A	7A, 25A, 66A	n77A
807	TDD	DC_7C-25A-25A-66A_n77A	7A, 25A, 66A	n77A
808	TDD	DC_2A-2A-13A-66A-66A_n77A	2A, 13A, 66A	n77A
809	TDD	DC_2A-48D-66A_n77A	2A, 66A	n77A
810	TDD	DC_2A-48E_n77A	2A	n77A
811	TDD	DC_48E-66A_n77A	66A	n77A
812	TDD	DC_2A-7C-66A-66A_n78A	2A, 7A, 66A	n78A
813	TDD	DC_2A-7A-7A-66A-66A_n78A	2A, 7A, 66A	n78A
814	TDD	DC_2A-2A-7A-12A-66A_n78A	2A, 7A, 12A, 66A	n78A
815	TDD	DC_7A-46E_n78A	7A	n78A
816	TDD	DC_2A-2A-5A-7A-66A_n78A	2A, 5A, 7A, 66A	n78A
817	TDD	DC_7A-7A-25A-25A-66A_n78A	7A, 25A, 66A	n78A
818	TDD	DC_2A-7A-7A-29A-66A_n78A	2A, 7A, 66A	n78A
819	TDD	DC_7C-25A-25A-66A_n78A	7A, 25A, 66A	n78A
820	TDD	DC_2A-7C-29A-66A_n78A	2A, 7A, 66A	n78A
821	TDD	DC_5A-7C-66A-66A_n78A	5A, 7A, 66A	n78A
822	2TDD	DC_2A_n78(2A)	2A	n78A
823	FDD + TDD	DC_2A_n41A-n71A	2A	n71A, n41A

824	2TDD	DC_2A_n48B	2A	n48A
825	2TDD	DC_2A_n41C	2A	n41A
826	2TDD	DC_2A_n41(2A)	2A	n41A
827	FDD + TDD	DC_2A_n41A-n66A	2A	n66A, n41A
828	FDD + TDD	DC_2A_n71A-n78A	2A	n71A, n78A
829	FDD + TDD	DC_2A_n66A-n78A	2A	n66A, n78A
830	FDD + TDD	DC_2A_n7A-n78A	2A	n7A, n78A
831	FDD + TDD	DC_2A_n5A-n77A	2A	n5A, n77A
832	FDD + TDD	DC_2A_n48A-n66A	2A	n48A, n66A
833	2TDD	DC_2A_n77(2A)	2A	n77A
834	FDD + TDD	DC_2A_n66A-n77A	2A	n66A, n77A
835	2TDD	DC_4A_n78(2A)	4A	n78A
836	2TDD	DC_5A_n78(2A)	5A	n78A
837	FDD + TDD	DC_5A_n7A-n78A	5A	n7A, n78A
838	2TDD	DC_5A_n48B	5A	n48A
839	FDD + TDD	DC_5A_n66A-n78A	5A	n66A, n78A
840	FDD + TDD	DC_5A_n2A-n41A	5A	n2A, n41A
841	FDD + TDD	DC_5A_n2A-n78A	5A	n2A, n78A
842	2TDD	DC_5A_n77(2A)	5A	n77A
843	FDD + TDD	DC_5A_n2A-n77A	5A	n2A, n77A
844	FDD + TDD	DC_5A_n66A-n77A	5A	n66A, n77A
845	2TDD	DC_7A_n78(2A)	7A	n78A
846	FDD + TDD	DC_7A_n5A-n78A	7A	n5A, n78A
847	2TDD	DC_7A_n77(2A)	7A	n77A
848	FDD + TDD	DC_7A_n71A-n78A	7A	n71A, n78A
849	FDD + TDD	DC_7A_n66A-n78A	7A	n66A, n78A
850	FDD + TDD	DC_7A_n2A-n78A	7A	n2A, n78A
851	2TDD	DC_7A_n78C	7A	n78A
852	FDD + TDD	DC_7A_n66A-n77A	7A	n66A, n77A
853	FDD + TDD	DC_12A_n7A-n78A	12A	n7A, n78A
854	2TDD	DC_12A_n78(2A)	12A	n78A
855	FDD + TDD	DC_12A_n41A-n66A	12A	n41A, n66A
856	FDD + TDD	DC_12A_n66A-n78A	12A	n66A, n78A
857	FDD + TDD	DC_12A_n2A-n41A	12A	n2A, n41A
858	FDD + TDD	DC_12A_n2A-n78A	12A	n2A, n78A
859	2TDD	DC_12A_n77(2A)	12A	n77A
860	FDD + TDD	DC_12A_n5A-n77A	12A	n5A, n77A
861	FDD + TDD	DC_12A_n66A-n77A	12A	n66A, n77A

862	FDD + TDD	DC_13A_n7A-n78A	13A	n7A, n78A
863	2TDD	DC_13A_n78(2A)	13A	n78A
864	2TDD	DC_13A_n48B	13A	n48A
865	FDD + TDD	DC_13A_n2A-n77A	13A	n2A, n77A
866	FDD + TDD	DC_13A_n48A-n66A	13A	n48A, n66A
867	FDD + TDD	DC_13A_n5A-n48A	13A	n5A, n48A
868	FDD + TDD	DC_13A_n66A-n77A	13A	n66A, n77A
869	2TDD	DC_14A_n77(2A)	14A	n77A
870	FDD + TDD	DC_30A_n5A-n77A	30A	n5A, n77A
871	2TDD	DC_30A_n77(2A)	30A	n77A
872	2TDD	DC_41A_n77(2A)	41A	n77A
873	2TDD	DC_41A_n78(2A)	41A	n78A
874	FDD + TDD	DC_66A_n2A-n78A	66A	n2A, n78A
875	FDD + TDD	DC_66A_n25A-n41A	66A	n25A, n41A
876	2TDD	DC_66A_n78(2A)	66A	n78A
877	FDD + TDD	DC_66A_n7A-n78A	66A	n7A, n78A
878	FDD + TDD	DC_66A_n41A-n71A	66A	n41A, n71A
879	2TDD	DC_66A_n48B	66A	n48A
880	2TDD	DC_66A_n41C	66A	n41A
881	2TDD	DC_66A_n41(2A)	66A	n41A
882	FDD + TDD	DC_66A_n71A-n78A	66A	n71A, n78A
883	FDD + TDD	DC_66A_n5A-n77A	66A	n5A, n77A
884	FDD + TDD	DC_66A_n5A-n48A	66A	n5A, n48A
885	FDD + TDD	DC_66A_n25A-n48A	66A	n25A, n48A
886	FDD + TDD	DC_66A_n2A-n77A	66A	n2A, n77A
887	2TDD	DC_66A_n77(2A)	66A	n77A
888	FDD + TDD	DC_71A_n66A-n78A	71A	n66A, n78A
889	FDD + TDD	DC_71A_n2A-n41A	71A	n2A, n41A
890	FDD + TDD	DC_71A_n2A-n78A	71A	n2A, n78A
891	FDD + TDD	DC_2A-46A_n41A-n66A	2A	n41A, n66A
892	FDD + TDD	DC_2A-46A_n41A-n71A	2A	n41A, n71A
893	2TDD	DC_2A-46A_n41(2A)	2A	n41A
894	FDD + TDD	DC_2A-66A_n66A-n78A	2A	n66A, n78A
895	FDD + TDD	DC_2A-48A_n48A-n66A	2A	n48A, n66A
896	2TDD	DC_2A-2A_n77(2A)	2A	n77A
897	2TDD	DC_2A-29A_n77(2A)	2A	n77A
898	FDD + TDD	DC_2A-5A_n5A-n77A	2A	n5A, n77A
899	FDD + TDD	DC_2A-2A_n5A-n77A	2A	n5A, n77A

900	FDD + TDD	DC_2A-66A_n66A-n77A	2A	n66A, n77A
901	FDD + TDD	DC_2A-2A_n66A-n77A	2A	n66A, n77A
902	FDD + TDD	DC_2A-(n)5AA-n77A	2A	n5A, n77A
903	2TDD	DC_2A-12A_n78(2A)	2A, 12A	n78A
904	2TDD	DC_2A-12A_n77(2A)	2A, 12A	n77A
905	FDD + TDD	DC_2A-12A_n5A-n77A	2A, 12A	n5A, n77A
906	2TDD	DC_2A-13A_n48B	2A, 13A	n48A
907	FDD + TDD	DC_2A-13A_n66A-n77A	2A, 13A	n66A, n77A
908	FDD + TDD	DC_2A-13A_n5A-n77A	2A, 13A	n5A, n77A
909	2TDD	DC_2A-14A_n77(2A)	2A, 14A	n77A
910	2TDD	DC_2A-30A_n77(2A)	2A, 30A	n77A
911	FDD + TDD	DC_2A-30A_n5A-n77A	2A, 30A	n5A, n77A
912	2TDD	DC_2A-5A_n48B	2A, 5A	n48A
913	2TDD	DC_2A-5A_n78(2A)	2A, 5A	n78A
914	2TDD	DC_2A-5A_n77(2A)	2A, 5A	n77A
915	FDD + TDD	DC_2A-5A_n66A-n77A	2A, 5A	n66A, n77A
916	FDD + TDD	DC_2A-66A_n41A-n71A	2A, 66A	n41A, n71A
917	2TDD	DC_2A-66A_n48B	2A, 66A	n48A
918	2TDD	DC_2A-66A_n78(2A)	2A, 66A	n78A
919	2TDD	DC_2A-66A_n41C	2A, 66A	n41A
920	2TDD	DC_2A-66A_n41(2A)	2A, 66A	n41A
921	FDD + TDD	DC_2A-66A_n5A-n77A	2A, 66A	n5A, n77A
922	2TDD	DC_2A-66A_n77(2A)	2A, 66A	n77A
923	2TDD	DC_2A-7A_n78(2A)	2A, 7A	n78A
924	FDD + TDD	DC_2A-7A_n66A-n78A	2A, 7A	n66A, n78A
925	2TDD	DC_2A-7A_n77(2A)	2A, 7A	n77A
926	FDD + TDD	DC_2A-7A_n66A-n77A	2A, 7A	n66A, n77A
927	FDD + TDD	DC_2A-5A_n2A-n77A	5A	n2A, n77A
928	2TDD	DC_5A-7A_n78(2A)	5A, 7A	n78A
929	2TDD	DC_5A-7A_n77(2A)	5A, 7A	n77A
930	FDD + TDD	DC_5A-66A_n66A-n77A	5A	n66A, n77A
931	2TDD	DC_5A-30A_n77(2A)	5A, 30A	n77A
932	2TDD	DC_5A-66A_n78(2A)	5A, 66A	n78A
933	2TDD	DC_5A-66A_n48B	5A, 66A	n48A
934	2TDD	DC_5A-66A_n77(2A)	5A, 66A	n77A
935	FDD + TDD	DC_5A-66A_n2A-n77A	5A, 66A	n2A, n77A
936	2TDD	DC_7C_n78(2A)	7A	n78A
937	FDD + TDD	DC_7C_n5A-n78A	7A	n5A, n78A

938	2TDD	DC_7A-7A_n78(2A)	7A	n78A
939	2TDD	DC_7A-7A_n77(2A)	7A	n77A
940	FDD + TDD	DC_7A-66A_n66A-n78A	7A	n66A, n78A
941	FDD + TDD	DC_7A-7A_n66A-n78A	7A	n66A, n78A
942	2TDD	DC_7C_n77(2A)	7A	n77A
943	FDD + TDD	DC_7C_n66A-n78A	7A	n66A, n78A
944	FDD + TDD	DC_7A-7A_n66A-n77A	7A	n66A, n77A
945	FDD + TDD	DC_7C_n66A-n77A	7A	n66A, n77A
946	FDD + TDD	DC_7A-66A_n66A-n77A	7A	n66A, n77A
947	2TDD	DC_7A-66A_n78(2A)	7A, 66A	n78A
948	2TDD	DC_7A-66A_n77(2A)	7A, 66A	n77A
949	2TDD	DC_12A-30A_n77(2A)	12A, 30A	n77A
950	FDD + TDD	DC_12A-30A_n5A-n77A	12A, 30A	n5A, n77A
951	2TDD	DC_12A-66A_n77(2A)	12A, 66A	n77A
952	FDD + TDD	DC_12A-66A_n5A-n77A	12A, 66A	n5A, n77A
953	FDD + TDD	DC_13A-66A_n66A-n77A	13A	n66A, n77A
954	FDD + TDD	DC_2A-13A_n2A-n77A	13A	n2A, n77A
955	2TDD	DC_13A-66A_n48B	13A, 66A	n48A
956	FDD + TDD	DC_13A-66A_n2A-n77A	13A, 66A	n2A, n77A
957	FDD + TDD	DC_13A-66A_n5A-n48A	13A, 66A	n5A, n48A
958	FDD + TDD	DC_13A-66A_n5A-n77A	13A, 66A	n5A, n77A
959	2TDD	DC_14A-30A_n77(2A)	14A, 30A	n77A
960	2TDD	DC_14A-66A_n77(2A)	14A, 66A	n77A
961	2TDD	DC_29A-30A_n77(2A)	30A	n77A
962	2TDD	DC_30A-66A_n77(2A)	30A, 66A	n77A
963	FDD + TDD	DC_30A-66A_n5A-n77A	30A, 66A	n5A, n77A
964	2TDD	DC_41C_n77(2A)	41A	n77A
965	2TDD	DC_41C_n78(2A)	41A	n78A
966	2TDD	DC_41A-42A_n77(2A)	41A	n77A
967	2TDD	DC_66A-66A_n48B	66A	n48A
968	FDD + TDD	DC_46A-66A_n25A-n41A	66A	n25A, n41A
969	FDD + TDD	DC_46A-66A_n41A-n71A	66A	n41A, n71A
970	2TDD	DC_46A-66A_n41(2A)	66A	n41A
971	FDD + TDD	DC_66A-66A_n5A-n77A	66A	n5A, n77A
972	2TDD	DC_66A-66A_n78(2A)	66A	n78A
973	FDD + TDD	DC_66A-66A_n7A-n78A	66A	n7A, n78A
974	FDD + TDD	DC_48A-66A_n25A-n48A	66A	n25A, n48A
975	2TDD	DC_29A-66A_n77(2A)	66A	n77A

976	2TDD	DC_66A-66A_n77(2A)	66A	n77A
977	FDD + TDD	DC_2A-66A_n2A-n77A	66A	n2A, n77A
978	FDD + TDD	DC_66A-66A_n2A-n77A	66A	n2A, n77A
979	FDD + TDD	DC_5A-66A_n5A-n77A	66A	n5A, n77A
980	2TDD	DC_2A-46C_n41(2A)	2A	n41A
981	2TDD	DC_2A-2A-29A_n77(2A)	2A	n77A
982	2TDD	DC_2A-2A-12A_n77(2A)	2A, 12A	n77A
983	2TDD	DC_2A-12A-30A_n77(2A)	2A, 12A, 30A	n77A
984	2TDD	DC_2A-12A-66A_n77(2A)	2A, 12A, 66A	n77A
985	2TDD	DC_2A-13A-66A_n48B	2A, 13A, 66A	n48A
986	2TDD	DC_2A-2A-14A_n77(2A)	2A, 14A	n77A
987	2TDD	DC_2A-14A-30A_n77(2A)	2A, 14A, 30A	n77A
988	2TDD	DC_2A-14A-66A_n77(2A)	2A, 14A, 66A	n77A
989	2TDD	DC_2A-2A-30A_n77(2A)	2A, 30A	n77A
990	2TDD	DC_2A-29A-30A_n77(2A)	2A, 30A	n77A
991	2TDD	DC_2A-30A-66A_n77(2A)	2A, 30A, 66A	n77A
992	2TDD	DC_2A-2A-5A_n77(2A)	2A, 5A	n77A
993	2TDD	DC_2A-5A-30A_n77(2A)	2A, 5A, 30A	n77A
994	2TDD	DC_2A-5A-66A_n48B	2A, 5A, 66A	n48A
995	2TDD	DC_2A-5A-66A_n77(2A)	2A, 5A, 66A	n77A
996	2TDD	DC_2A-66A-66A_n48B	2A, 66A	n48A
997	2TDD	DC_2A-46A-66A_n41(2A)	2A, 66A	n41A
998	2TDD	DC_2A-66A-66A_n78(2A)	2A, 66A	n78A
999	2TDD	DC_2A-2A-66A_n77(2A)	2A, 66A	n77A
1000	2TDD	DC_2A-66A-66A_n77(2A)	2A, 66A	n77A
1001	2TDD	DC_2A-29A-66A_n77(2A)	2A, 66A	n77A
1002	2TDD	DC_2A-7A-7A_n78(2A)	2A, 7A	n78A
1003	2TDD	DC_2A-7C_n78(2A)	2A, 7A	n78A
1004	2TDD	DC_2A-7A-7A_n77(2A)	2A, 7A	n77A
1005	2TDD	DC_2A-7C_n77(2A)	2A, 7A	n77A
1006	2TDD	DC_2A-7A-66A_n78(2A)	2A, 7A, 66A	n78A
1007	2TDD	DC_2A-7A-66A_n77(2A)	2A, 7A, 66A	n77A
1008	2TDD	DC_5A-30A-66A_n77(2A)	5A, 30A, 66A	n77A
1009	2TDD	DC_5A-66A-66A_n48B	5A, 66A	n48A
1010	2TDD	DC_5A-66A-66A_n77(2A)	5A, 66A	n77A
1011	2TDD	DC_7A-7A-66A_n78(2A)	7A, 66A	n78A
1012	2TDD	DC_7C-66A_n78(2A)	7A, 66A	n78A
1013	2TDD	DC_7A-66A-66A_n78(2A)	7A, 66A	n78A

1014	2TDD	DC_7A-7A-66A_n77(2A)	7A, 66A	n77A
1015	2TDD	DC_7C-66A_n77(2A)	7A, 66A	n77A
1016	2TDD	DC_12A-30A-66A_n77(2A)	12A, 30A, 66A	n77A
1017	2TDD	DC_12A-66A-66A_n77(2A)	12A, 66A	n77A
1018	2TDD	DC_13A-66A-66A_n48B	13A, 66A	n48A
1019	2TDD	DC_14A-30A-66A_n77(2A)	14A, 30A, 66A	n77A
1020	2TDD	DC_14A-66A-66A_n77(2A)	14A, 66A	n77A
1021	2TDD	DC_30A-66A-66A_n77(2A)	30A, 66A	n77A
1022	2TDD	DC_29A-30A-66A_n77(2A)	30A, 66A	n77A
1023	2TDD	DC_41A-42C_n77(2A)	41A	n77A
1024	2TDD	DC_46C-66A_n41(2A)	66A	n41A
1025	2TDD	DC_29A-66A-66A_n77(2A)	66A	n77A
1026	2TDD	DC_2A-46D_n41(2A)	2A	n41A
1027	2TDD	DC_2A-2A-12A-30A_n77(2A)	2A, 12A, 30A	n77A
1028	2TDD	DC_2A-12A-30A-66A_n77(2A)	2A, 12A, 30A, 66A	n77A
1029	2TDD	DC_2A-2A-12A-66A_n77(2A)	2A, 12A, 66A	n77A
1030	2TDD	DC_2A-12A-66A-66A_n77(2A)	2A, 12A, 66A	n77A
1031	2TDD	DC_2A-13A-66A-66A_n48B	2A, 13A, 66A	n48A
1032	2TDD	DC_2A-14A-30A-66A_n77(2A)	2A, 14A, 30A, 66A	n77A
1033	2TDD	DC_2A-2A-14A-66A_n77(2A)	2A, 14A, 66A	n77A
1034	2TDD	DC_2A-14A-66A-66A_n77(2A)	2A, 14A, 66A	n77A
1035	2TDD	DC_2A-2A-29A-30A_n77(2A)	2A, 30A	n77A
1036	2TDD	DC_2A-29A-30A-66A_n77(2A)	2A, 30A, 66A	n77A
1037	2TDD	DC_2A-2A-30A-66A_n77(2A)	2A, 30A, 66A	n77A
1038	2TDD	DC_2A-30A-66A-66A_n77(2A)	2A, 30A, 66A	n77A
1039	2TDD	DC_2A-2A-5A-30A_n77(2A)	2A, 5A, 30A	n77A
1040	2TDD	DC_2A-5A-30A-66A_n77(2A)	2A, 5A, 30A, 66A	n77A
1041	2TDD	DC_2A-5A-66A-66A_n48B	2A, 5A, 66A	n48A
1042	2TDD	DC_2A-5A-66A-66A_n77(2A)	2A, 5A, 66A	n77A
1043	2TDD	DC_2A-2A-5A-66A_n77(2A)	2A, 5A, 66A	n77A
1044	2TDD	DC_2A-46C-66A_n41(2A)	2A, 66A	n41A
1045	2TDD	DC_2A-2A-66A-66A_n77(2A)	2A, 66A	n77A
1046	2TDD	DC_2A-7A-7A-66A_n78(2A)	2A, 7A, 66A	n78A
1047	2TDD	DC_2A-7C-66A_n78(2A)	2A, 7A, 66A	n78A
1048	2TDD	DC_2A-7A-66A-66A_n78(2A)	2A, 7A, 66A	n78A
1049	2TDD	DC_2A-7A-7A-66A_n77(2A)	2A, 7A, 66A	n77A
1050	2TDD	DC_2A-7C-66A_n77(2A)	2A, 7A, 66A	n77A
1051	2TDD	DC_5A-30A-66A-66A_n77(2A)	5A, 30A, 66A	n77A

1052	2TDD	DC_7A-7A-66A-66A_n78(2A)	7A, 66A	n78A
1053	2TDD	DC_7C-66A-66A_n78(2A)	7A, 66A	n78A
1054	2TDD	DC_14A-30A-66A-66A_n77(2A)	14A, 30A, 66A	n77A
1055	2TDD	DC_46D-66A_n41(2A)	66A	n41A
1056	2TDD	DC_2A-46D-66A_n41(2A)	2A, 66A	n41A
1057	2TDD	DC_7A-7A_n78C	7A	n78A
1058	FDD + TDD	DC_13A_n5A-n77A	13A	n5A, n77A
1059	FDD	DC_14A_n5A	14A	n5A
1060	FDD	DC_71A_n5A	71A	n5A
1061	FDD	DC_2A-5A-66A_n12A	2A, 5A, 66A	n12A
1062	TDD	DC_2A-38A_n78A	2A	n78A
1063	2TDD	DC_5A-7A-7A_n78(2A)	5A, 7A	n78A
1064	2TDD	DC_5A-7A_n78(2A)	5A, 7A	n78A
1065	2TDD	DC_5A-7A-7A_n77(2A)	5A, 7A	n77A
1066	2TDD	DC_5A-7A_n77(2A)	5A, 7A	n77A
1067	TDD	DC_5A-7A-7A_n77A	5A, 7A	n77A
1068	TDD	DC_5A-13A_n77A	5A, 13A	n77A
1069	TDD	DC_5A-48A_n77A	5A	n77A
1070	TDD	DC_5A-48C_n77A	5A	n77A
1071	TDD	DC_13A-48C_n77A	13A	n77A
1072	TDD	DC_2A-5A-48A_n77A	2A, 5A	n77A
1073	TDD	DC_5A-48A-66A_n77A	5A, 66A	n77A
1074	TDD	DC_5A-48D_n77A	5A	n77A
1075	TDD	DC_13A-48D_n77A	13A	n77A
1076	TDD	DC_2A-5A-48C_n77A	2A, 5A	n77A
1077	TDD	DC_2A-13A-48C_n77A	2A, 13A	n77A
1078	TDD	DC_5A-48C-66A_n77A	5A, 66A	n77A
1079	TDD	DC_13A-48C-66A_n77A	13A, 66A	n77A
1080	2TDD	DC_2A_n77C	2A	n77A
1081	2TDD	DC_5A_n77C	5A	n77A
1082	2TDD	DC_13A_n77C	13A	n77A
1083	2TDD	DC_66A_n77C	66A	n77A
1084	2TDD	DC_13A-66A_n77C	13A, 66A	n77A
1085	2TDD	DC_2A-66A_n77C	2A, 66A	n77A
1086	2TDD	DC_2A-13A_n77C	2A, 13A	n77A
1087	2TDD	DC_66A-66A_n77C	66A	n77A
1088	2TDD	DC_5A-13A_n77C	5A, 13A	n77A
1089	2TDD	DC_5A-66A_n77C	5A, 66A	n77A

1090	2TDD	DC_2A-5A_n77C	2A, 5A	n77A
1091	2TDD	DC_2A-48A_n77C	2A	n77A
1092	2TDD	DC_5A-48A_n77C	5A	n77A
1093	2TDD	DC_13A-48A_n77C	13A	n77A
1094	2TDD	DC_48A-66A_n77C	66A	n77A
1095	2TDD	DC_2A-2A_n77C	2A	n77A
1096	2TDD	DC_2A-13A-66A_n77C	2A, 13A, 66A	n77A
1097	2TDD	DC_13A-66A-66A_n77C	13A, 66A	n77A
1098	2TDD	DC_2A-5A-66A_n77C	2A, 5A, 66A	n77A
1099	2TDD	DC_2A-66A-66A_n77C	2A, 66A	n77A
1100	2TDD	DC_5A-66A-66A_n77C	5A, 66A	n77A
1101	2TDD	DC_2A-2A-13A_n77C	2A, 13A	n77A
1102	2TDD	DC_2A-2A-66A_n77C	2A, 66A	n77A
1103	2TDD	DC_66A-66A-66A_n77C	66A	n77A
1104	2TDD	DC_2A-2A-5A_n77C	2A, 5A	n77A
1105	2TDD	DC_2A-13A-48A_n77C	2A, 13A	n77A
1106	2TDD	DC_2A-48A-66A_n77C	2A, 66A	n77A
1107	2TDD	DC_13A-48A-66A_n77C	13A, 66A	n77A
1108	2TDD	DC_2A-48C_n77C	2A	n77A
1109	2TDD	DC_5A-48C_n77C	5A	n77A
1110	2TDD	DC_13A-48C_n77C	13A	n77A
1111	2TDD	DC_48C-66A_n77C	66A	n77A
1112	2TDD	DC_2A-13A-66A-66A_n77C	2A, 13A, 66A	n77A
1113	2TDD	DC_2A-5A-66A-66A_n77C	2A, 5A, 66A	n77A
1114	2TDD	DC_2A-2A-13A-66A_n77C	2A, 13A, 66A	n77A
1115	2TDD	DC_2A-2A-5A-66A_n77C	2A, 5A, 66A	n77A
1116	2TDD	DC_2A-2A-66A-66A_n77C	2A, 66A	n77A
1117	2TDD	DC_2A-48D_n77C	2A	n77A
1118	2TDD	DC_5A-48D_n77C	5A	n77A
1119	2TDD	DC_13A-48D_n77C	13A	n77A
1120	2TDD	DC_2A-5A-48C_n77C	2A, 5A	n77A
1121	2TDD	DC_2A-13A-48C_n77C	2A, 13A	n77A
1122	2TDD	DC_5A-48C-66A_n77C	5A, 66A	n77A
1123	2TDD	DC_13A-48C-66A_n77C	13A, 66A	n77A
1124	2TDD	DC_48D-66A_n77C	66A	n77A
1125	2TDD	DC_2A-48C-66A_n77C	2A, 66A	n77A
1126	2TDD	DC_66A-66A-66A_n77(2A)	B66A	n77A
1127	2TDD	DC_12A-30A-66A-66A_n77(2A)	12A, 30A, 66A	n77A

6. RF Exposure Assessment

➢ **Standalone Transmission Assessment**

<WWAN(SISO/MIMO)/WLAN SISO Transmission Assessment>

Bands	Frequency (MHz)	Tune-up Power (dBm)	Maximum Antenna Gain (dBi)	EIRP (mW)	PD (mW/cm²)	Limit Value (mW/cm²)
LTE Band 2	1910	25.0	3.16	654.64	0.130	1.0
LTE Band 4	1755	25.0	3.17	656.15	0.131	1.0
LTE Band 5	849	25.0	0.80	380.19	0.076	0.566
LTE Band 7	2570	25.0	2.86	610.94	0.122	1.0
LTE Band 12	716	25.0	0.84	383.71	0.076	0.477
LTE Band 13	787	25.0	1.86	485.29	0.097	0.525
LTE Band 14	798	25.0	1.42	438.53	0.087	0.532
LTE Band 17	716	25.0	0.71	372.39	0.074	1.0
LTE Band 25	1915	25.0	3.16	654.64	0.130	1.0
LTE Band 26	849	25.0	0.50	354.81	0.071	0.566
LTE Band 30	2315	21.0	3.28	267.92	0.053	1.0
LTE Band 38	2620	28.0	2.64	1158.78	0.231	1.0
LTE Band 41	2690	28.0	3.46	1399.59	0.279	1.0
LTE Band 42	3600	20.0	3.41	219.28	0.044	1.0
LTE Band 43	3800	20.0	3.74	236.59	0.047	1.0
LTE Band 48	3700	20.5	3.38	244.34	0.049	1.0
LTE Band 66	1780	25.0	3.17	656.15	0.131	1.0
LTE Band 71	698	25.0	0.69	370.68	0.074	0.465
5G NR n2	1910	25.0	3.16	654.64	0.130	1.0
5G NR n5	849	25.0	0.80	380.19	0.076	0.566
5G NR n7	2570	25.0	2.86	610.94	0.122	1.0
5G NR n12	716	25.0	0.84	383.71	0.076	0.477
5G NR n25	1915	25.0	3.16	654.64	0.130	1.0
5G NR n41	2690	28.0	3.46	1399.59	0.279	1.0
5G NR n48	3700	20.0	3.41	219.28	0.044	1.0
5G NR n66	1780	25.0	3.17	656.15	0.131	1.0
5G NR n70	1710	23.0	3.27	423.64	0.084	1.0
5G NR n71	698	25.0	0.69	370.68	0.074	0.465
5G NR n77	3980	25.0	3.38	688.65	0.137	1.0
5G NR n78	3800	25.0	3.38	688.65	0.137	1.0
WLAN 2.4GHz (ANT 1)	2412	18.5	2.34	121.34	0.024	1.0

WLAN 2.4GHz (ANT 2)	2462	19.0	2.48	140.60	0.028	1.0
WLAN 5GHz (ANT 1)	5260	18.0	2.51	112.46	0.022	1.0
WLAN 5GHz (ANT 2)	5240	18.5	2.66	130.62	0.026	1.0
WLAN 5GHz (ANT 3)	5240	18.0	2.22	105.20	0.021	1.0
WLAN 5GHz (ANT 4)	5260	18.0	3.31	135.21	0.027	1.0

<WLAN MIMO Transmission Assessment>

Bands	Frequency (MHz)	Tune-up Power (dBm)	Maximum Antenna Gain (dBi)	EIRP (mW)	PD (mW/cm²)	Limit Value (mW/cm²)
WLAN 2.4GHz (2x2 MIMO)	2422	20.5	5.42	390.84	0.078	1.0
WLAN 5GHz (4x4 MIMO)	5260	21.0	2.59	228.56	0.045	1.0

<CA Transmission Assessment>

Band	Frequency (MHz)	EIRP (dBm)		Time-averaging EIRP(W)	PD (W/m²)	Limit (W/m²)
		Conducted Average Power (dBm)	Maximum Antenna Gain (dBi)			
CA_2C	1910	24.5	3.16	583.45	0.116	1.0
CA_5B	849	24.5	0.8	338.84	0.067	0.566
CA_7C	2570	24.5	2.86	544.50	0.108	1.0
CA_38C	2620	25.5	2.64	651.63	0.130	1.0
CA_41C	2690	25.5	3.46	787.05	0.157	1.0
CA_48C	3700	22.0	3.38	345.14	0.069	1.0
CA_66B	1780	24.5	3.17	584.79	0.116	1.0
CA_66C	1780	24.5	3.17	584.79	0.116	1.0

<EN-DC Transmission Assessment>

Bands	Carrier for LTE		Carrier for NR		ENDC	Limit for MPE (W/m²)
	Band	PD (W/m²)	Band	PD (W/m²)	PD (W/m²)	
DC_4A_n2A	4	0.131	n2	0.130	0.261	1.0
DC_5A_n2A	5	0.076	n2	0.130	0.206	1.0
DC_7A_n2A	7	0.122	n2	0.130	0.252	1.0
DC_13A_n2A	13	0.097	n2	0.130	0.227	1.0
DC_12A_n2A	12	0.076	n2	0.130	0.206	1.0
DC_14A_n2A	14	0.087	n2	0.130	0.217	1.0
DC_30A_n2A	30	0.134	n2	0.130	0.264	1.0
DC_66A_n2A	66	0.131	n2	0.130	0.261	1.0
DC_71A_n2A	71	0.074	n2	0.130	0.204	1.0
DC_2A_n5A	2	0.130	n5	0.076	0.206	1.0
DC_7A_n5A	7	0.122	n5	0.076	0.198	1.0
DC_12A_n5A	12	0.076	n5	0.076	0.152	0.566
DC_13A_n5A	13	0.097	n5	0.076	0.173	0.566
DC_14A_n5A	14	0.087	n5	0.076	0.163	0.566
DC_30A_n5A	30	0.134	n5	0.076	0.210	1.0
DC_48A_n5A	48	0.137	n5	0.076	0.213	1.0
DC_66A_n5A	66	0.131	n5	0.076	0.207	1.0
DC_71A_n5A	71	0.074	n5	0.076	0.150	0.566
DC_2A_n7A	2	0.130	n7	0.122	0.252	1.0
DC_4A_n7A	4	0.131	n7	0.122	0.253	1.0
DC_5A_n7A	5	0.076	n7	0.122	0.198	1.0
DC_12A_n7A	12	0.076	n7	0.122	0.198	1.0
DC_13A_n7A	13	0.097	n7	0.122	0.219	1.0
DC_66A_n7A	66	0.131	n7	0.122	0.253	1.0
DC_71A_n7A	71	0.074	n7	0.122	0.196	1.0
DC_2A_n12A	2	0.130	n12	0.076	0.206	1.0
DC_5A_n12A	5	0.076	n12	0.076	0.152	1.0
DC_7A_n12A	7	0.122	n12	0.076	0.198	1.0
DC_30A_n12A	30	0.134	n12	0.076	0.210	1.0
DC_48A_n12A	48	0.137	n12	0.076	0.213	1.0
DC_66A_n12A	66	0.131	n12	0.076	0.207	1.0
DC_5A_n25A	5	0.076	n25	0.130	0.206	1.0
DC_7A_n25A	7	0.122	n25	0.130	0.252	1.0
DC_12A_n25A	12	0.076	n25	0.130	0.206	1.0
DC_13A_n25A	13	0.097	n25	0.130	0.227	1.0
DC_26A_n25A	26	0.071	n25	0.130	0.201	1.0
DC_48A_n25A	48	0.137	n25	0.130	0.267	1.0

DC_66A_n25A	66	0.131	n25	0.130	0.261	1.0
DC_71A_n25A	71	0.074	n25	0.130	0.204	1.0
DC_2A_n41A	2	0.130	n41	0.279	0.409	1.0
DC_4A_n41A	4	0.131	n41	0.279	0.410	1.0
DC_5A_n41A	5	0.076	n41	0.279	0.355	1.0
DC_12A_n41A	12	0.076	n41	0.279	0.355	1.0
DC_25A_n41A	25	0.130	n41	0.279	0.409	1.0
DC_26A_n41A	26	0.071	n41	0.279	0.350	1.0
DC_66A_n41A	66	0.131	n41	0.279	0.410	1.0
DC_71A_n41A	71	0.074	n41	0.279	0.353	1.0
DC_2A_n48A	2	0.130	n48	0.138	0.268	1.0
DC_5A_n48A	5	0.076	n48	0.138	0.214	1.0
DC_13A_n48A	13	0.097	n48	0.138	0.235	1.0
DC_66A_n48A	66	0.131	n48	0.138	0.269	1.0
DC_2A_n66A	2	0.130	n66	0.131	0.261	1.0
DC_5A_n66A	5	0.076	n66	0.131	0.207	1.0
DC_7A_n66A	7	0.122	n66	0.131	0.253	1.0
DC_12A_n66A	12	0.076	n66	0.131	0.207	1.0
DC_13A_n66A	13	0.097	n66	0.131	0.228	1.0
DC_14A_n66A	14	0.087	n66	0.131	0.218	1.0
DC_30A_n66A	30	0.134	n66	0.131	0.265	1.0
DC_48A_n66A	48	0.137	n66	0.131	0.268	1.0
DC_71A_n66A	71	0.074	n66	0.131	0.205	1.0
DC_2A_n71A	2	0.130	n71	0.074	0.204	1.0
DC_5A_n71A	5	0.076	n71	0.074	0.150	0.566
DC_7A_n71A	7	0.122	n71	0.074	0.196	1.0
DC_48A_n71A	48	0.137	n71	0.074	0.211	1.0
DC_66A_n71A	66	0.131	n71	0.074	0.205	1.0
DC_7A_n77A	7	0.122	n77	0.273	0.395	1.0
DC_2A_n77A	2	0.130	n77	0.273	0.403	1.0
DC_5A_n77A	5	0.076	n77	0.273	0.349	1.0
DC_12A_n77A	12	0.076	n77	0.273	0.349	1.0
DC_13A_n77A	13	0.097	n77	0.273	0.370	1.0
DC_14A_n77A	14	0.087	n77	0.273	0.360	1.0
DC_25A_n77A	25	0.130	n77	0.273	0.403	1.0
DC_30A_n77A	30	0.134	n77	0.273	0.407	1.0
DC_41A_n77A	41	0.279	n77	0.273	0.552	1.0
DC_66A_n77A	66	0.131	n77	0.273	0.404	1.0
DC_71A_n77A	71	0.074	n77	0.273	0.347	1.0
DC_2A_n78A	2	0.130	n78	0.273	0.403	1.0
DC_4A_n78A	4	0.131	n78	0.273	0.404	1.0

DC_5A_n78A	5	0.076	n78	0.273	0.349	1.0
DC_7A_n78A	7	0.122	n78	0.273	0.395	1.0
DC_12A_n78A	12	0.076	n78	0.273	0.349	1.0
DC_13A_n78A	13	0.097	n78	0.273	0.370	1.0
DC_25A_n78A	25	0.130	n78	0.273	0.403	1.0
DC_26A_n78A	26	0.071	n78	0.273	0.344	1.0
DC_38A_n78A	38	0.231	n78	0.273	0.504	1.0
DC_41A_n78A	41	0.279	n78	0.273	0.552	1.0
DC_66A_n78A	66	0.131	n78	0.273	0.404	1.0
DC_71A_n78A	71	0.074	n78	0.273	0.347	1.0

Note:

1. According to KDB 447498, MPE assessment is based on source-based time-averaged maximum conducted output power of the RF channel requiring assessment, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.
2. MPE calculate method

$$S = PG/4\pi R^2$$

Where: S= Power density (in appropriate units, e.g. mW/cm^2)

P = Time-average maximum tune-up power (in appropriate units, e.g. dBm)

G = numeric gain of the antenna (in appropriate units, e.g. dBi)

R = Separation distance to the centre of radiation of the antenna (20cm)

3. For uplink Carrier Aggregation for Inter-band, only the maximum permissive exposure would be evaluated.
4. For EN-DC, only the maximum permissive exposure would be evaluated.
5. The Tune-up power (include output power) of LTE (excepted LTE Band 30/42/43/48) & 5G NR (excepted 5G NR n48/n70/n77/n78) & CA (excepted CA_42C/CA_43C) refers to the report 2204RSU037-U1, 2204RSU037-U5 and 2209RSU052-U2.

➢ Simultaneous Transmission Assessment

Multi-Band Simultaneous Transmission Consideration

Simultaneous Transmission Consideration	Position	Applicable Combination
	Hand/Body	WWAN+WLAN 2.4GHz SISO/MIMO
		WWAN+WLAN 5GHz SISO/MIMO

1. This device contains transmitters that may operate simultaneously, therefore simultaneous transmission analysis is required.
2. The worst condition for WWAN & WLAN 2.4GHz/5GHz will be calculated for transmitting simultaneously.

   Formula: Result=Power density$_1$/ limit$_1$ + Power density$_2$/ limit$_2$ ≤1.

Transmission Bands	Power Density/ SAR	Limit	Simultaneous Transmission Result
WWAN	0.552	1.0	0.63
WLAN 2.4GHz	0.078	1.0	

Transmission Bands	Power Density/ SAR	Limit	Simultaneous Transmission Result
WWAN	0.552	1.0	0.597
WLAN 5GHz	0.045	1.0	

➢ Conclusion

According to FCC 47 CFR Part 2 (2.1091), this device complies with human exposure basic restrictions.

Annex A General Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

The FCC designation number is CN1192, the test firm registration number is 226174.

Note:

The main report is end here and the other Annex B will be submitted separately.

END OF REPORT