FCC response on 02/12/2019

Per KDB publication 905462 D02 section 8.3 c) 4), submit the data in section 8.3 c) 4).

<u>Response:</u>

KDB publication 905462 D02 section 8.3 c) 4): "For each of the waveforms that were used for each signal type, supply the characteristics (pulse width, pulse repetition interval, number of pulses per burst, modulation)".

The characteristics of Radar Waveform Types 1-6 generated by IXIA pulse generator for a 20MHz carrier at 5500MHz for Statistic Performance Check tests are provided below. These tables have been included in the DFS Test Report.

Table 5.4.4.5(a) Statistical Performance Check
Test Waveforms Radar Type 1a Characteristics

Trial No	Pulse Width (μs)	PRI (μs)	No of Pulses
1	1	518	102
2	1	558	95
3	1	598	89
4	1	638	83
5	1	658	81
6	1	678	78
7	1	698	76
8	1	718	74
9	1	758	70
10	1	778	68
11	1	838	63
12	1	878	61
13	1	898	59
14	1	918	58
15	1	938	57

Table 5.4.4.5(b) Statistical Performance Check
Test Waveforms Radar Type 1b Characteristics

Trial No	Pulse Width (μs)	PRI (μs)	No of Pulses
1	1	538	99
2	1	578	92
3	1	618	86
4	1	640	83
5	1	660	80
6	1	680	78
7	1	700	76
8	1	720	74
9	1	738	72
10	1	760	70
11	1	779	68
12	1	801	66

13	1	818	65
14	1	840	63
15	1	861	62

Table 5.4.4.6 Statistical Performance Check
Test Waveforms Radar Type 2 Characteristics

Trial No	Pulse Width (µs)	PRI (µs)	No of Pulses
1	3.3	181	28
2	2.9	159	24
3	4.2	225	25
4	4.2	164	27
5	3.2	165	28
6	3.5	186	28
7	3.0	191	26
8	4.2	188	27
9	3.3	153	27
10	1.0	162	29
11	1.4	194	26
12	3.0	221	28
13	5.0	184	29
14	2.4	195	27
15	2.9	220	27
16	2.5	190	23
17	1.1	198	24
18	4.2	150	26
19	2.7	200	26
20	2.3	167	29
21	4.1	219	25
22	3.5	212	23
23	3.9	150	27
24	4.5	168	23
25	4.7	194	26
26	3.2	214	28
27	3.8	153	29
28	4.9	216	24
29	4.4	186	23
30	4.7	193	23

Table 5.4.4.7 Statistical Performance Check
Test Waveforms Radar Type 3 Characteristics

Trial No	Pulse Width (µs)	PRI (µs)	No of Pulses
1	6.2	437	17
2	6.1	446	16
3	7.3	433	18
4	9.7	290	16
5	9.5	477	16
6	7.4	343	16
7	7.3	370	18
8	9.9	402	17

9	6.8	395	18
10	6.6	449	18
11	6.1	216	18
12	8.6	404	17
13	9.0	390	17
14	6.3	206	16
15	8.7	286	17
16	6.7	240	17
17	8.0	258	16
18	6.8	489	18
19	8.6	466	18
20	6.7	200	18
21	6.4	380	17
22	6.4	204	17
23	9.1	490	16
24	6.3	327	16
25	7.1	480	18
26	6.3	409	17
27	6.1	332	16
28	8.8	377	16
29	7.1	245	18
30	7.8	414	16

Table 5.4.4.8 Statistical Performance Check
Test Waveforms Radar Type 4 Characteristics

Trial No	Pulse Width (µs)	PRI (µs)	No of Pulses
1	12.8	417	13
2	13.7	310	16
3	17.5	390	14
4	13.3	367	12
5	19.9	260	12
6	19.2	410	12
7	15.1	327	15
8	18.3	202	12
9	19.0	300	12
10	11.0	377	14
11	16.4	404	12
12	13.5	362	14
13	12.0	295	16
14	19.1	343	15
15	18.5	264	15
16	13.7	274	13
17	16.7	346	16
18	16.1	480	12
19	13.4	279	16
20	11.6	439	16
21	13.9	487	12
22	11.7	383	15
23	16.7	499	13

24	17.3	255	15
25	15.1	349	12
26	14.5	225	13
27	17.4	425	14
28	14.4	472	12
29	18.5	378	13
30	17.1	475	12

Table 5.4.4.9 Statistical Performance Check
Test Waveforms Radar Type 5 Characteristics

Tria1 No	Burst No	Pulse Width (µs)	PRI (µs)	Chirp Width (MHz)	No of Pulses per Burst
1	1	54.6	1883, 1500, 1213	5	3
1	2	58.6	1499, 1128, 1633	20	3
1	3	68.2	1045	14	1
1	4	78.6	1184, 1165	15	2
1	5	55.5	1293, 1294	6	2
1	6	82	1191, 1094	13	2
1	7	66.6	1201	15	1
1	8	53.3	1376, 1883, 1894	6	3
1	9	72.9	1667, 1127	11	2
1	10	55	1081, 1268, 1597	17	3
1	11	50.5	1060	19	1
1	12	91.4	1355	19	1
1	13	76.1	1389, 1481	12	2
1	14	98.8	1999, 1120, 1001	5	3
1	15	75.9	1075, 1918	7	2
1	16	63	1556	5	1
1	17	98.4	1129, 1582	9	2
1	18	53.6	1790, 1216	9	2
1	19	98.9	1441, 1798	8	2
2	1	67.2	1423, 1930, 1507	7	3
2	2	85.2	1639, 1948, 1128	8	3
2	3	63	1544, 1346	7	2
2	4	86.8	1372, 1678	8	2
2	5	78	1072	12	1
2	6	77	1610, 1764	20	2
2	7	97.6	1440, 1277	19	2
2	8	58.9	1625, 1947	10	2
2	9	91.8	1875, 1194, 1181	18	3
2	10	79.5	1666, 1108	11	2
3	1	98	1375, 1100, 1140	5	3

3	2	78.8	1810, 1854	5	2
3	3	65.6	1711, 1496	17	2
3	4	62.3	1393, 1542	5	2
3	5	71.8	1101, 1030	20	2
3	6	82.4	1133	6	1
3	7	78.6	1688, 1908, 1539	5	3
3	8	71.3	1862, 1587	9	2
3	9	86.3	1859, 1536, 1394	8	3
4	1	92.7	1419, 1790, 1305	20	3
4	2	83.6	1202, 1505	19	2
4	3	86.1	1528, 1313	8	2
4	4	90.4	1509, 1809, 1425	15	3
4	5	75.7	1652, 1817, 1515	16	3
4	6	75.6	1165, 1785, 1181	12	3
4	7	92.3	1282, 1602	5	2
4	8	81.8	1934, 1962	7	2
4	9	52	1973, 1429, 1439	8	3
4	10	96.8	1657, 1802	19	2
4	11	77.9	1207	18	1
4	12	80.6	1253, 1839	7	2
5	1	97.5	1774, 1221, 1677	6	3
5	2	50.6	1190	7	1
5	3	99.9	1492, 1627	12	2
5	4	78.1	1413, 1076	8	2
5	5	78.4	1077, 1360, 1415	6	3
5	6	94.1	1567, 1828	15	2
5	7	64.6	1454, 1896, 1480	14	3
5	8	74.9	1469, 1227	17	2
5	9	62.1	1454	8	1
5	10	71	1670, 1400, 1732	19	3
5	11	100	1977, 1385, 1552	16	3
5	12	84.1	1922	9	1
5	13	58	1008	16	1
5	14	67.6	1039	6	1
5	15	78.5	1792	17	1
5	16	88.5	1568, 1127	19	2
5	17	81.4	1683, 1352, 1503	7	3
5	18	81	1130	10	1
6	1	96.4	1999	19	1
6	2	97.5	1928, 1251, 1102	17	3

6	3	94.3	1187	18	1
6	4	66.4	1246	19	1
6	5	96.8	1490, 1808, 1677	16	3
6	6	85.4	1975, 1118, 1017	10	3
6	7	50.1	1924, 1215, 1334	9	3
6	8	84.3	1192	8	1
6	9	90.8	1529, 1401, 1761	15	3
6	10	63.3	1610, 1114, 1467	17	3
6	11	80.5	1218, 1051	11	2
6	12	67.2	1566, 1896, 1536	17	3
6	13	67.3	1500, 1717, 1471	19	3
6	14	67.5	1632	9	1
6	15	94.4	1341, 1719	13	2
6	16	63	1137, 1708, 1213	17	3
6	17	86.5	1550	16	1
6	18	71.8	1003	18	1
6	19	63.3	1459, 1607, 1990	18	3
7	1	57.6	1797	17	1
7	2	67	1380	18	1
7	3	90.7	1168, 1243	13	2
7	4	50.4	1795, 1090, 1067	5	3
7	5	69.9	1523	5	1
7	6	93.9	1582	19	1
7	7	59	1624, 1654, 1624	19	3
7	8	92.3	1554, 1494	20	2
7	9	68.1	1346, 1163, 1444	16	3
7	10	88.7	1112, 1845, 1790	13	3
7	11	91.1	1422, 1656	17	2
7	12	67.6	1311, 1278	13	2
7	13	64.2	1816, 1128	19	2
7	14	67.3	1684	15	1
7	15	64.2	1889, 1088, 1030	14	3
8	1	74.3	1687, 1784, 1307	16	3
8	2	56.6	1813, 1951	8	2
8	3	98.6	1345, 1602	8	2
8	4	56	1513, 1179, 1010	17	3
8	5	85	1327, 1289, 1891	7	3
8	6	74.9	1298, 1137	10	2
8	7	79.1	1882	11	1
8	8	77.9	1573	17	1
8	9	79.4	1537	10	1

8	10	74	1141	7	1
8	11	89.5	1756	15	1
8	12	53.3	1443, 1863, 1597	15	3
8	13	77.8	1123	17	1
8	14	66.4	1719, 1116	9	2
8	15	98.7	1705	8	1
8	16	60.3	1499	17	1
8	17	59.1	1418, 1152	16	2
8	18	61	1513, 1036	16	2
8	19	96.2	1177, 1147, 1977	9	3
8	20	92.6	1598, 1298	9	2
9	1	65.5	1441	15	1
9	2	89.3	1934, 1883, 1510	6	3
9	3	62.3	1392, 1360, 1384	16	3
9	4	84.4	1486, 1592, 1696	17	3
9	5	75.8	1658	13	1
9	6	90.3	1731	8	1
9	7	81.3	1812, 1791	6	2
9	8	93.6	1213	10	1
9	9	74.3	1331	18	1
9	10	55.9	1242, 1177	18	2
10	1	62.6	1729, 1656	13	2
10	2	57.6	1068, 1259	8	2
10	3	87.4	1556, 1243, 1711	19	3
10	4	98.6	1838	5	1
10	5	87	1102	10	1
10	6	63.4	1913, 1861	7	2
10	7	67.1	1807	16	1
10	8	69.7	1237, 1669	8	2
10	9	78.1	1357, 1702, 1330	20	3
11	1	72.7	1306, 1195	6	2
11	2	99.2	1450, 1804	5	2
11	3	91.6	1475, 1047	11	2
11	4	54.3	1661	9	1
11	5	86	1899, 1712	13	2
11	6	57.7	1941, 1874, 1449	6	3
11	7	71.2	1368, 1073	20	2
11	8	76.5	1738, 1439, 1524	20	3
11	9	67	1239	20	1
11	10	84.9	1217, 1059	7	2

11	11	67.5	1861, 1356	17	2
11	12	56.1	1178, 1273	5	2
11	13	94.2	1598, 1237	19	2
11	14	96.9	1369	19	1
11	15	54.8	1836	14	1
11	16	78	1960, 1885	7	2
11	17	57	1119	20	1
11	18	73.7	1019, 1733	10	2
12	1	90.2	1877	9	1
12	2	99	1052	8	1
12	3	86.4	1726	5	1
12	4	61.8	1230, 1417	19	2
12	5	59.1	1131, 1152	16	2
12	6	94.1	1500, 1745	5	2
12	7	79.3	1028	11	1
12	8	96.3	1461, 1731	10	2
12	9	78	1287	7	1
12	10	84.6	1712, 1432	11	2
12	11	69.6	1685	15	1
13	1	60.8	1720	6	1
13	2	84.9	1910, 1193	20	2
13	3	62.2	1051, 1707	13	2
13	4	82.8	1970, 1806	17	2
13	5	65.2	1758, 1888	14	2
13	6	67.2	1433, 1860	19	2
13	7	88.1	1388	14	1
13	8	81.4	1304, 1109, 1468	18	3
13	9	84.6	1236	7	1
13	10	71.5	1395, 1064	19	2
13	11	80.7	1228	19	1
13	12	66.2	1140, 1452, 1033	14	3
13	13	71.4	1478, 1623, 1331	15	3
13	14	77.8	1360	15	1
13	15	63.7	1545	20	1
13	16	80.8	1704, 1759	6	2
13	17	99.1	1591	7	1
14	1	59	1673	10	1
14	2	67.6	1586	11	1
14	3	50.3	1999, 1078, 1032	12	3
14	4	65.5	1639	11	1

14	5	60.1	1291	20	1
14	6	98.4	1047	18	1
14	7	91.4	1561, 1059, 1374	7	3
14	8	90.2	1931, 1153	16	2
14	9	81.7	1139, 1638	17	2
14	10	82.6	1100	14	1
14	11	87.6	1095	14	1
14	12	90.5	1636, 1415	7	2
14	13	89	1948, 1999, 1504	17	3
14	14	61.6	1991, 1542	18	2
14	15	92.1	1960, 1531	5	2
14	16	52.6	1838, 1574, 1528	18	3
14	17	81	1462	10	1
14	18	93.4	1101	11	1
14	19	51.5	1922, 1426	12	2
15	1	67.8	1989, 1911	11	2
15	2	80	1410	11	1
15	3	56.8	1099, 1258	7	2
15	4	86	1543, 1371	16	2
15	5	69.3	1952	10	1
15	6	89.2	1934, 1205	6	2
15	7	63.6	1560, 1954, 1109	18	3
15	8	60.3	1464, 1100	7	2
16	1	64.5	1397, 1899	19	2
16	2	67.8	1356, 1083, 1073	16	3
16	3	91.8	1338, 1470, 1903	17	3
16	4	64.7	1885	7	1
16	5	55.2	1567	5	1
16	6	69.6	1393	17	1
16	7	94.5	1082, 1625	14	2
16	8	94.7	1735	17	1
16	9	82.1	1969	19	1
16	10	70.9	1647, 1661	10	2
16	11	96.1	1643, 1489, 1723	9	3
16	12	61.9	1055	11	1
17	1	51.1	1116	18	1
17	2	85.5	1250, 1860, 1388	10	3
17	3	62.4	1008	8	1
17	4	53.7	1390	15	1
17	5	92.6	1849, 1599, 1355	8	3

17	6	59.8	1526, 1397	6	2
17	7	65.6	1416	13	1
17	8	70	1518	14	1
17	9	81.6	1663, 1931	11	2
17	10	92.1	1060, 1859, 1598	6	3
17	11	88.9	1388	14	1
17	12	80.1	1698, 1769	15	2
17	13	93.4	1787, 1038, 1673	7	3
17	14	65.9	1507, 1378	20	2
17	15	82.1	1505	14	1
17	16	61.8	1159, 1774, 1403	14	3
18	1	97.1	1982, 1489	16	2
18	2	94.4	1086, 1174, 1472	8	3
18	3	61.4	1991, 1824, 1667	10	3
18	4	54.9	1038	5	1
18	5	90.4	1691, 1081, 1066	13	3
18	6	68.5	1233, 1051, 1018	16	3
18	7	97.7	1429, 1774	18	2
18	8	93.9	1142, 1759, 1546	12	3
18	9	72.4	1266	8	1
18	10	62.4	1793	11	1
18	11	72.4	1585, 1633, 1493	7	3
18	12	78.6	1694, 1078, 1121	5	3
18	13	89.1	1925, 1954	10	2
18	14	67.9	1005, 1601, 1883	5	3
18	15	56.9	1535, 1553	11	2
18	16	78.7	1722, 1753, 1242	13	3
18	17	71.2	1560, 1614, 1327	12	3
18	18	59.9	1040	15	1
19	1	72.2	1881, 1000	9	2
19	2	75	1149, 1671, 1350	12	3
19	3	93.2	1719, 1129, 1394	7	3
19	4	72.6	1570	12	1
19	5	58	1374, 1351	8	2
19	6	65.7	1772, 1371, 1514	7	3
19	7	88.5	1201	13	1
19	8	51.9	1521, 1229	20	2
19	9	51.2	1053, 1638	6	2
19	10	72.2	1354, 1631, 1337	14	3
19	11	99.4	1393, 1793	10	2
19	12	82.9	1674, 1029, 1001	9	3

20	1	57	1250	14	1
20	2	54.5	1811, 1950, 1872	12	3
20	3	57.8	1670	10	1
20	4	70.3	1308, 1450, 1576	9	3
20	5	98.6	1190, 1641	19	2
20	6	51.9	1927, 1528, 1423	7	3
20	7	94.9	1218, 1796, 1982	12	3
20	8	57.7	1823, 1861, 1010	6	3
20	9	60	1882, 1594, 1000	12	3
20	10	90.8	1982, 1295, 1773	12	3
20	11	51.5	1320	11	1
20	12	85.1	1375	13	1
20	13	93.5	1298	18	1
20	14	76	1144, 1057	17	2
21	1	98.5	1983, 1536	11	2
21	2	54	1443	19	1
21	3	75.3	1467	6	1
21	4	54.9	1663, 1891	20	2
21	5	90.8	1740	15	1
21	6	71	1649, 1956, 1231	18	3
21	7	83.4	1051, 1761, 1303	5	3
21	8	76.6	1196, 1462, 1679	9	3
21	9	87.5	1561	9	1
21	10	54.1	1684, 1394, 1519	9	3
21	11	77.4	1262, 1068	13	2
21	12	83.6	1671, 1463	5	2
21	13	92.5	1834, 1883, 1944	9	3
21	14	59.1	1560, 1219	16	2
21	15	74.5	1627	10	1
21	16	55.5	1126, 1520	18	2
21	17	57.3	1164, 1751	17	2
21	18	88.2	1049, 1888	16	2
21	19	55.4	1631	13	1
22	1	54.7	1224, 1226, 1131	17	3
22	2	59.6	1165, 1482	11	2
22	3	57.9	1524	7	1
22	4	89.3	1525, 1420	16	2
22	5	96.9	1453	5	1
22	6	86.7	1056	15	1
22	7	76.1	1361, 1563	17	2

22	8	81.3	1495	10	1
22	9	97.9	1279, 1230	10	2
22	10	74.3	1457	11	1
22	11	74.2	1112	18	1
22	12	84	1335, 1296	8	2
22	13	50.5	1724	15	1
22	14	59.6	1831	17	1
22	15	54.5	1853, 1124, 1600	15	3
23	1	96.5	1859, 1668, 1967	6	3
23	2	52.6	1242, 1530, 1890	16	3
23	3	64.4	1920, 1055	8	2
23	4	90.9	1766	9	1
23	5	80	1540	18	1
23	6	91	1254	17	1
23	7	84.7	1678	9	1
23	8	57	1572	7	1
23	9	68.5	1947, 1255, 1463	16	3
23	10	58.9	1990, 1020, 1208	5	3
23	11	59.4	1417	13	1
23	12	88.7	1339, 1923, 1506	6	3
23	13	67.7	1689, 1138	20	2
23	14	74.1	1955, 1960	18	2
23	15	95.8	1461, 1930, 1855	8	3
23	16	91.1	1069, 1440	19	2
23	17	84.2	1900, 1984	19	2
23	18	68.4	1625, 1349	13	2
23	19	64.7	1770	6	1
24	1	55.7	1060	13	1
24	2	83.8	1107	20	1
24	3	86	1805	13	1
24	4	95.2	1947	16	1
24	5	67.5	1025, 1470	7	2
24	6	99.1	1015, 1741, 1782	11	3
24	7	59.3	1476, 1883	14	2
24	8	56.1	1857	15	1
24	9	57.6	1167, 1253, 1402	20	3
24	10	87.9	1258, 1579	14	2
24	11	66.3	1285	16	1
24	12	92.9	1153, 1553	8	2
24	13	69.9	1926	9	1
24	14	61	1635, 1883, 1453	19	3

24	15	62.9	1445, 1857	17	2
24	16	68	1599, 1238, 1610	20	3
24	17	52.1	1063, 1054, 1552	14	3
24	18	97.2	1398, 1876	16	2
24	19	80.8	1204, 1189, 1451	5	3
25	1	85.1	1739, 1899, 1223	8	3
25	2	63.2	1398	10	1
25	3	54.6	1906, 1842, 1639	19	3
25	4	72.8	1355	11	1
25	5	68.5	1415, 1393, 1848	18	3
25	6	81.6	1092	9	1
25	7	53.8	1622	12	1
25	8	98	1284	16	1
25	9	50.5	1781	16	1
26	1	81.7	1987, 1651	17	2
26	2	97.9	1270, 1476, 1303	13	3
26	3	78.2	1935, 1528, 1879	20	3
26	4	61.4	1440, 1429	6	2
26	5	89	1572, 1711	11	2
26	6	89.6	1447, 1276, 1094	7	3
26	7	77.3	1000	15	1
26	8	73	1829, 1548, 1779	17	3
26	9	76.5	1221	20	1
26	10	82.6	1374, 1881	14	2
26	11	52.7	1199, 1829, 1231	15	3
26	12	85.3	1840, 1314	8	2
26	13	69.9	1852, 1251	13	2
27	1	64.7	1155, 1316	13	2
27	2	63.6	1586, 1695, 1801	19	3
27	3	68.6	1036, 1921, 1344	19	3
27	4	93.6	1230, 1858, 1048	7	3
27	5	56.7	1128, 1981	17	2
27	6	71.5	1761	5	1
27	7	95.7	1642, 1633, 1848	6	3
27	8	83.2	1198, 1401	8	2
27	9	90.7	1001, 1490, 1948	19	3
28	1	80.8	1166, 1872, 1759	18	3
28	2	55.6	1445, 1747, 1721	16	3
28	3	54	1838, 1328, 1979	19	3

28	4	50.6	1385	10	1
28	5	53.2	1776	14	1
28	6	57.9	1697, 1354	6	2
28	7	95	1514, 1794	5	2
28	8	69.2	1767	13	1
28	9	93.9	1541, 1591, 1762	13	3
28	10	91.5	1714, 1909	11	2
29	1	54.6	1878	16	1
29	2	92.4	1822	11	1
29	3	57.1	1233, 1758, 1423	13	3
29	4	59.7	1885, 1846, 1415	11	3
29	5	52.3	1211	13	1
29	6	83.3	1991, 1584	16	2
29	7	90.5	1505	10	1
29	8	90.9	1648, 1158	19	2
29	9	66.6	1287	14	1
29	10	51.2	1370, 1257	14	2
29	11	51.4	1526, 1189	18	2
29	12	64	1784	20	1
29	13	88.2	1463, 1550, 1182	5	3
29	14	91.9	1713, 1954, 1841	15	3
29	15	87.6	1804, 1324, 1587	13	3
29	16	80.6	1049, 1340	19	2
29	17	52.1	1781, 1091, 1727	7	3
29	18	79.3	1796, 1229, 1454	6	3
29	19	50	1791, 1687, 1666	20	3
29	20	54.1	1084, 1712	13	2
30	1	55.2	1914	18	1
30	2	68.7	1878, 1443	12	2
30	3	72.8	1331, 1360, 1526	16	3
30	4	52.5	1720, 1565, 1687	20	3
30	5	52.6	1956	16	1
30	6	55.1	1299, 1216	6	2
30	7	72.9	1361, 1297	6	2
30	8	79	1009, 1082, 1665	8	3
30	9	74.9	1568, 1623, 1286	13	3
30	10	57.7	1849, 1033	10	2
30	11	71	1235	10	1
30	12	72.5	1077	16	1
30	13	85.1	2000, 1977	6	2

Table 5.4.4.10 Statistical Performance Check
Test Waveforms Radar Type 6 Characteristics

Trial No	Hopping Frequencies (MHz)
1	5633, 5303, 5354, 5618, 5432, 5499, 5370, 5507, 5257, 5523, 5304, 5631, 5487, 5466, 5695, 5332, 5347, 5363, 5430, 5544, 5670, 5359, 5698, 5276, 5374, 5636, 5676, 5586, 5379, 5547, 5644, 5557, 5412, 5468, 5709, 5628, 5338, 5530, 5270, 5425, 5575, 5543, 5564, 5716, 5604, 5706, 5548, 5588, 5273, 5357, 5264, 5699, 5486, 5283, 5551, 5634, 5314, 5513, 5503, 5515, 5344, 5540, 5528, 5555, 5478, 5444, 5591, 5703, 5362, 5356, 5320, 5429, 5396, 5464, 5488, 5650, 5403, 5679, 5574, 5260, 5475, 5717, 5446, 5473, 5351, 5669, 5339, 5296, 5538, 5561, 5297, 5664, 5529, 5341, 5516, 5619, 5438, 5311, 5651, 5570
2	5571, 5474, 5701, 5365, 5427, 5422, 5514, 5393, 5635, 5459, 5349, 5591, 5318, 5577, 5677, 5483, 5282, 5540, 5391, 5325, 5662, 5507, 5310, 5284, 5547, 5252, 5337, 5694, 5528, 5529, 5421, 5300, 5621, 5288, 5347, 5543, 5504, 5275, 5711, 5636, 5544, 5656, 5531, 5709, 5434, 5559, 5675, 5255, 5490, 5476, 5703, 5279, 5407, 5653, 5401, 5466, 5705, 5452, 5308, 5254, 5303, 5472, 5369, 5335, 5707, 5417, 5264, 5400, 5670, 5461, 5420, 5333, 5674, 5257, 5258, 5432, 5600, 5706, 5378, 5648, 5469, 5316, 5433, 5304, 5276, 5363, 5462, 5607, 5289, 5361, 5708, 5352, 5624, 5642, 5372, 5286, 5331, 5389, 5446, 5587
3	5421, 5566, 5507, 5571, 5578, 5320, 5516, 5497, 5300, 5550, 5478, 5698, 5282, 5362, 5475, 5514, 5603, 5312, 5689, 5271, 5428, 5399, 5447, 5311, 5700, 5598, 5453, 5606, 5593, 5451, 5535, 5545, 5548, 5622, 5633, 5542, 5287, 5563, 5324, 5489, 5546, 5532, 5697, 5712, 5387, 5556, 5640, 5409, 5317, 5717, 5544, 5528, 5301, 5272, 5430, 5582, 5472, 5579, 5555, 5701, 5474, 5584, 5679, 5258, 5668, 5618, 5464, 5699, 5513, 5645, 5636, 5502, 5294, 5330, 5318, 5685, 5501, 5380, 5665, 5723, 5669, 5400, 5666, 5325, 5686, 5341, 5643, 5350, 5629, 5641, 5440, 5309, 5707, 5322, 5661, 5651, 5509, 5452, 5503, 5655
4	5553, 5694, 5349, 5685, 5612, 5506, 5584, 5600, 5652, 5483, 5673, 5323, 5460, 5530, 5399, 5713, 5414, 5603, 5389, 5703, 5408, 5543, 5591, 5337, 5357, 5361, 5250, 5332, 5712, 5639, 5472, 5308, 5702, 5448, 5548, 5526, 5256, 5573, 5271, 5488, 5508, 5345, 5539, 5570, 5355, 5433, 5324, 5513, 5714, 5319, 5524, 5252, 5582, 5284, 5272, 5395, 5708, 5701, 5544, 5547, 5394, 5618, 5320, 5499, 5347, 5625, 5410, 5590, 5280, 5288, 5309, 5622, 5636, 5566, 5478, 5430, 5706, 5442, 5587, 5691, 5365, 5601, 5550, 5720, 5403, 5441, 5602, 5297, 5536, 5473, 5585, 5697, 5649, 5514, 5400, 5462, 5546, 5525, 5657, 5386
5	5432, 5270, 5451, 5262, 5495, 5546, 5567, 5350, 5633, 5260, 5511, 5341, 5365, 5289, 5557, 5326, 5386, 5700, 5620, 5714, 5653, 5461, 5344, 5587, 5286, 5492, 5673, 5254, 5496, 5301, 5283, 5409, 5329, 5586, 5307, 5588, 5600, 5281, 5689, 5353, 5331, 5345, 5333, 5564, 5675, 5654, 5556, 5405, 5704, 5682, 5287, 5328, 5560, 5419, 5690, 5364, 5504, 5445, 5449, 5332, 5699, 5265, 5453, 5473, 5542, 5670, 5601, 5698, 5313, 5394, 5340, 5464, 5581, 5454, 5514, 5318, 5610, 5503, 5624, 5299, 5664, 5491, 5671, 5558, 5460, 5497, 5531, 5384, 5308, 5490, 5563, 5467, 5494, 5566, 5617, 5392, 5252, 5706, 5526, 5667
6	5450, 5638, 5498, 5396, 5701, 5457, 5700, 5302, 5328, 5708, 5415, 5439, 5402, 5542, 5499, 5658, 5554, 5434, 5536, 5634, 5295, 5631, 5574, 5275, 5495, 5406, 5276, 5589, 5692, 5622, 5438, 5608, 5358, 5476, 5377, 5400, 5449, 5600, 5294, 5703, 5696, 5661, 5653, 5352, 5677, 5620, 5531, 5586, 5699, 5373, 5363, 5563, 5436, 5379, 5413, 5364, 5599, 5325, 5679, 5315, 5462, 5582, 5256, 5456, 5420, 5655, 5572, 5720, 5674, 5395, 5473, 5356, 5604, 5685, 5431, 5336, 5535, 5351, 5448, 5490, 5583, 5518, 5368, 5393, 5567, 5529, 5652, 5423, 5277, 5289, 5616, 5251, 5521, 5384, 5493, 5519, 5412, 5466, 5681, 5306

7	5630, 5564, 5447, 5601, 5385, 5616, 5468, 5553, 5618, 5639, 5486, 5538, 5391, 5256, 5642, 5277, 5683, 5612, 5623, 5541, 5552, 5716, 5371, 5672, 5620, 5625, 5549, 5510, 5406, 5596, 5445, 5711, 5343, 5606, 5434, 5669, 5695, 5699, 5547, 5402, 5432, 5361, 5316, 5674, 5292, 5518, 5594, 5278, 5490, 5412, 5647, 5344, 5374, 5523, 5354, 5597, 5389, 5598, 5610, 5633, 5415, 5509, 5705, 5317, 5631, 5331, 5678, 5637, 5269, 5440, 5428, 5395, 5362, 5555, 5369, 5714, 5635, 5701, 5503, 5662, 5536, 5659, 5572, 5355, 5334, 5563, 5483, 5663, 5522, 5313, 5545, 5261, 5328, 5504, 5708, 5604, 5314, 5308, 5266, 5499
8	5614, 5360, 5272, 5303, 5719, 5482, 5321, 5335, 5426, 5443, 5273, 5519, 5265, 5383, 5380, 5525, 5587, 5546, 5432, 5584, 5373, 5441, 5310, 5544, 5509, 5579, 5444, 5493, 5398, 5391, 5615, 5502, 5477, 5466, 5606, 5459, 5547, 5357, 5413, 5635, 5485, 5384, 5510, 5322, 5629, 5507, 5533, 5554, 5348, 5324, 5264, 5610, 5599, 5659, 5334, 5279, 5392, 5491, 5612, 5578, 5687, 5259, 5553, 5540, 5586, 5664, 5386, 5362, 5627, 5407, 5291, 5341, 5564, 5406, 5296, 5312, 5583, 5660, 5260, 5623, 5465, 5545, 5351, 5501, 5639, 5595, 5401, 5468, 5720, 5495, 5512, 5252, 5504, 5331, 5661, 5388, 5340, 5644, 5439, 5442
9	5355, 5626, 5487, 5614, 5546, 5494, 5574, 5404, 5477, 5659, 5310, 5502, 5504, 5607, 5342, 5284, 5605, 5396, 5370, 5613, 5511, 5366, 5516, 5630, 5411, 5656, 5533, 5385, 5381, 5428, 5677, 5341, 5625, 5645, 5690, 5634, 5325, 5640, 5442, 5648, 5658, 5443, 5383, 5311, 5313, 5517, 5695, 5488, 5676, 5459, 5646, 5274, 5415, 5326, 5288, 5266, 5654, 5582, 5277, 5346, 5680, 5716, 5483, 5270, 5600, 5501, 5569, 5520, 5347, 5675, 5416, 5632, 5693, 5271, 5698, 5594, 5591, 5549, 5364, 5713, 5530, 5377, 5388, 5369, 5702, 5264, 5588, 5250, 5495, 5523, 5251, 5407, 5438, 5633, 5400, 5621, 5449, 5319, 5452, 5352
10	5368, 5251, 5675, 5606, 5659, 5480, 5323, 5415, 5459, 5298, 5587, 5703, 5620, 5574, 5497, 5467, 5676, 5389, 5544, 5406, 5372, 5431, 5685, 5684, 5506, 5350, 5682, 5305, 5633, 5379, 5668, 5286, 5654, 5702, 5575, 5278, 5601, 5487, 5399, 5565, 5512, 5594, 5696, 5576, 5490, 5265, 5579, 5534, 5664, 5270, 5373, 5465, 5526, 5382, 5464, 5398, 5665, 5284, 5328, 5636, 5454, 5549, 5622, 5474, 5525, 5585, 5656, 5640, 5514, 5339, 5543, 5488, 5670, 5519, 5451, 5274, 5586, 5523, 5609, 5463, 5455, 5592, 5364, 5649, 5491, 5529, 5417, 5707, 5533, 5355, 5446, 5598, 5442, 5386, 5524, 5494, 5333, 5420, 5261, 5723
11	5501, 5362, 5328, 5257, 5714, 5636, 5307, 5251, 5494, 5547, 5647, 5285, 5658, 5717, 5709, 5574, 5712, 5318, 5329, 5575, 5486, 5588, 5365, 5359, 5527, 5538, 5403, 5722, 5404, 5534, 5679, 5688, 5402, 5310, 5380, 5579, 5364, 5635, 5690, 5278, 5336, 5504, 5644, 5279, 5320, 5617, 5387, 5697, 5331, 5265, 5523, 5308, 5315, 5343, 5598, 5694, 5288, 5397, 5637, 5543, 5342, 5312, 5419, 5545, 5651, 5458, 5424, 5649, 5400, 5489, 5282, 5601, 5659, 5383, 5692, 5416, 5451, 5573, 5599, 5309, 5293, 5606, 5605, 5671, 5502, 5262, 5667, 5464, 5487, 5496, 5629, 5593, 5715, 5386, 5607, 5526, 5490, 5581, 5546, 5436
12	5300, 5665, 5369, 5605, 5722, 5625, 5610, 5478, 5391, 5667, 5518, 5566, 5341, 5442, 5289, 5440, 5593, 5537, 5520, 5596, 5579, 5332, 5619, 5268, 5523, 5319, 5672, 5587, 5344, 5343, 5658, 5638, 5387, 5620, 5349, 5548, 5514, 5639, 5721, 5553, 5295, 5525, 5472, 5401, 5436, 5443, 5724, 5255, 5413, 5551, 5533, 5526, 5535, 5550, 5302, 5371, 5307, 5673, 5547, 5701, 5699, 5516, 5636, 5274, 5616, 5583, 5642, 5678, 5273, 5709, 5691, 5424, 5463, 5350, 5621, 5647, 5405, 5685, 5279, 5591, 5417, 5666, 5643, 5534, 5288, 5459, 5627, 5512, 5394, 5278, 5542, 5435, 5715, 5276, 5342, 5467, 5328, 5254, 5365, 5601
13	5342, 5672, 5335, 5469, 5433, 5486, 5382, 5689, 5426, 5260, 5503, 5444, 5383, 5262, 5648, 5584, 5548, 5441, 5552, 5668, 5497, 5555, 5366, 5544, 5329, 5412, 5556, 5598, 5605, 5338, 5478, 5434, 5718, 5502, 5376, 5554, 5258, 5301, 5345, 5632, 5636, 5255, 5395, 5322, 5712, 5492, 5306, 5493, 5315, 5508, 5466, 5511, 5340, 5647, 5525, 5346, 5574, 5372, 5662, 5354, 5400, 5275, 5357, 5385, 5519, 5317, 5484, 5518, 5375, 5510, 5339, 5601, 5259, 5386, 5540, 5374, 5499, 5355, 5261, 5720, 5627, 5320, 5628, 5256, 5711, 5365, 5448, 5467, 5487, 5653, 5367, 5666, 5686, 5381, 5288, 5634, 5397, 5611, 5609, 5284

14	5667, 5352, 5369, 5422, 5690, 5377, 5570, 5337, 5718, 5321, 5636, 5679, 5658, 5472, 5283, 5427, 5575, 5698, 5308, 5424, 5649, 5319, 5290, 5661, 5645, 5495, 5571, 5723, 5312, 5687, 5361, 5437, 5303, 5490, 5428, 5551, 5485, 5260, 5534, 5289, 5715, 5286, 5565, 5595, 5702, 5315, 5703, 5464, 5475, 5295, 5338, 5253, 5277, 5537, 5441, 5493, 5474, 5683, 5515, 5559, 5323, 5324, 5366, 5686, 5299, 5339, 5413, 5611, 5520, 5592, 5486, 5560, 5620, 5257, 5465, 5262, 5582, 5669, 5568, 5491, 5336, 5713, 5628, 5607, 5447, 5451, 5697, 5471, 5574, 5483, 5462, 5373, 5446, 5556, 5302, 5317, 5380, 5689, 5281, 5310
15	5404, 5412, 5618, 5468, 5320, 5693, 5590, 5597, 5662, 5586, 5652, 5580, 5427, 5637, 5342, 5710, 5620, 5560, 5312, 5448, 5678, 5346, 5313, 5617, 5481, 5378, 5647, 5463, 5386, 5612, 5476, 5370, 5605, 5422, 5308, 5701, 5539, 5713, 5675, 5575, 5567, 5383, 5262, 5299, 5402, 5640, 5400, 5653, 5611, 5596, 5403, 5679, 5255, 5565, 5428, 5684, 5535, 5522, 5450, 5374, 5626, 5351, 5465, 5415, 5587, 5496, 5641, 5549, 5434, 5458, 5533, 5438, 5518, 5423, 5355, 5545, 5363, 5592, 5322, 5515, 5712, 5704, 5455, 5714, 5608, 5284, 5449, 5281, 5490, 5673, 5266, 5307, 5722, 5388, 5670, 5721, 5338, 5516, 5621, 5511
16	5350, 5497, 5575, 5655, 5646, 5423, 5459, 5528, 5466, 5644, 5371, 5669, 5519, 5388, 5659, 5352, 5384, 5675, 5351, 5422, 5253, 5696, 5689, 5385, 5463, 5719, 5445, 5294, 5396, 5338, 5553, 5405, 5629, 5495, 5389, 5585, 5274, 5451, 5572, 5589, 5417, 5701, 5542, 5526, 5487, 5400, 5272, 5283, 5416, 5379, 5694, 5250, 5331, 5614, 5583, 5265, 5427, 5301, 5544, 5635, 5486, 5560, 5507, 5514, 5525, 5498, 5446, 5447, 5296, 5435, 5604, 5257, 5640, 5568, 5461, 5356, 5335, 5429, 5634, 5598, 5464, 5567, 5554, 5690, 5703, 5620, 5723, 5442, 5452, 5683, 5286, 5474, 5593, 5674, 5511, 5681, 5394, 5687, 5420, 5718
17	5278, 5467, 5661, 5367, 5658, 5506, 5344, 5586, 5699, 5377, 5284, 5622, 5402, 5559, 5448, 5483, 5612, 5537, 5382, 5453, 5701, 5355, 5679, 5424, 5285, 5584, 5489, 5400, 5578, 5275, 5645, 5316, 5417, 5673, 5392, 5676, 5610, 5710, 5475, 5611, 5350, 5463, 5498, 5567, 5296, 5404, 5638, 5684, 5623, 5474, 5410, 5660, 5339, 5713, 5441, 5585, 5341, 5552, 5496, 5544, 5650, 5412, 5262, 5311, 5641, 5508, 5690, 5655, 5702, 5523, 5577, 5705, 5381, 5501, 5495, 5692, 5416, 5359, 5648, 5494, 5295, 5279, 5640, 5721, 5551, 5298, 5569, 5420, 5260, 5364, 5507, 5289, 5681, 5594, 5327, 5709, 5303, 5592, 5477, 5321
18	5293, 5290, 5375, 5344, 5294, 5676, 5469, 5308, 5630, 5666, 5418, 5299, 5252, 5440, 5342, 5404, 5349, 5464, 5335, 5322, 5458, 5616, 5329, 5478, 5571, 5551, 5508, 5303, 5649, 5618, 5405, 5384, 5435, 5337, 5365, 5386, 5659, 5686, 5703, 5536, 5364, 5507, 5425, 5320, 5689, 5286, 5413, 5607, 5692, 5546, 5378, 5419, 5617, 5701, 5394, 5430, 5563, 5599, 5434, 5488, 5341, 5376, 5385, 5646, 5498, 5634, 5422, 5629, 5288, 5523, 5574, 5314, 5295, 5650, 5509, 5473, 5567, 5282, 5255, 5626, 5261, 5470, 5589, 5271, 5518, 5276, 5548, 5667, 5614, 5538, 5305, 5298, 5704, 5373, 5400, 5438, 5696, 5409, 5493, 5602
19	5685, 5374, 5508, 5576, 5459, 5537, 5381, 5488, 5260, 5712, 5673, 5292, 5724, 5585, 5507, 5317, 5723, 5653, 5369, 5536, 5354, 5252, 5705, 5261, 5333, 5689, 5540, 5492, 5345, 5701, 5606, 5348, 5434, 5373, 5623, 5401, 5549, 5575, 5379, 5343, 5528, 5490, 5452, 5275, 5398, 5443, 5514, 5268, 5665, 5668, 5711, 5416, 5566, 5335, 5693, 5274, 5420, 5346, 5251, 5365, 5383, 5377, 5254, 5451, 5676, 5257, 5650, 5311, 5562, 5276, 5304, 5400, 5652, 5397, 5450, 5479, 5691, 5649, 5325, 5504, 5631, 5295, 5485, 5366, 5303, 5635, 5548, 5481, 5467, 5698, 5418, 5584, 5532, 5708, 5629, 5632, 5619, 5511, 5638, 5253
20	5568, 5644, 5432, 5518, 5281, 5388, 5341, 5648, 5690, 5572, 5477, 5512, 5524, 5688, 5712, 5298, 5372, 5630, 5282, 5503, 5479, 5560, 5610, 5324, 5604, 5264, 5683, 5347, 5277, 5254, 5494, 5369, 5596, 5385, 5284, 5533, 5657, 5521, 5595, 5722, 5615, 5682, 5714, 5522, 5260, 5327, 5576, 5339, 5410, 5571, 5505, 5420, 5445, 5433, 5449, 5472, 5452, 5263, 5674, 5527, 5459, 5300, 5673, 5638, 5403, 5461, 5419, 5377, 5337, 5679, 5631, 5520, 5265, 5590, 5312, 5315, 5321, 5455, 5642, 5262, 5368, 5584, 5358, 5335, 5574, 5601, 5390, 5428, 5603, 5660, 5523, 5698, 5672, 5484, 5413, 5708, 5267, 5430, 5295, 5551

21	5346, 5574, 5423, 5304, 5459, 5619, 5392, 5297, 5673, 5418, 5444, 5629, 5645, 5433, 5410, 5417, 5445, 5639, 5502, 5454, 5437, 5325, 5533, 5656, 5397, 5510, 5551, 5718, 5550, 5514, 5280, 5658, 5601, 5453, 5416, 5378, 5624, 5678, 5328, 5377, 5563, 5618, 5666, 5324, 5451, 5698, 5517, 5704, 5402, 5501, 5264, 5273, 5327, 5497, 5523, 5282, 5672, 5387, 5642, 5557, 5549, 5695, 5671, 5296, 5376, 5380, 5662, 5278, 5498, 5395, 5483, 5476, 5256, 5675, 5524, 5708, 5370, 5556, 5625, 5429, 5637, 5400, 5462, 5617, 5512, 5528, 5529, 5644, 5359, 5536, 5354, 5661, 5309, 5271, 5318, 5558, 5616, 5724, 5481, 5312
22	5309, 5352, 5427, 5438, 5368, 5567, 5354, 5639, 5703, 5266, 5658, 5599, 5322, 5608, 5251, 5607, 5670, 5691, 5704, 5506, 5620, 5296, 5590, 5558, 5250, 5541, 5338, 5375, 5457, 5343, 5515, 5405, 5359, 5285, 5686, 5563, 5619, 5363, 5581, 5415, 5449, 5539, 5265, 5697, 5520, 5623, 5547, 5374, 5269, 5568, 5410, 5720, 5253, 5668, 5677, 5433, 5435, 5270, 5611, 5494, 5482, 5421, 5356, 5389, 5626, 5604, 5571, 5495, 5662, 5256, 5481, 5460, 5492, 5462, 5371, 5654, 5550, 5264, 5698, 5308, 5577, 5519, 5673, 5409, 5357, 5420, 5385, 5653, 5687, 5647, 5383, 5302, 5546, 5570, 5523, 5575, 5337, 5649, 5369, 5569
23	5464, 5335, 5440, 5466, 5581, 5306, 5327, 5566, 5593, 5724, 5250, 5546, 5705, 5532, 5528, 5425, 5403, 5398, 5485, 5680, 5642, 5604, 5583, 5426, 5574, 5484, 5578, 5432, 5632, 5271, 5673, 5393, 5491, 5421, 5516, 5513, 5580, 5618, 5256, 5702, 5349, 5276, 5405, 5422, 5591, 5287, 5364, 5670, 5392, 5458, 5523, 5343, 5284, 5441, 5662, 5534, 5564, 5382, 5286, 5683, 5567, 5418, 5272, 5340, 5395, 5330, 5573, 5294, 5530, 5459, 5664, 5479, 5258, 5435, 5318, 5377, 5326, 5535, 5635, 5478, 5561, 5370, 5475, 5625, 5562, 5558, 5257, 5694, 5387, 5685, 5507, 5609, 5531, 5520, 5649, 5617, 5309, 5316, 5390, 5630
24	5493, 5479, 5702, 5698, 5656, 5591, 5467, 5334, 5716, 5374, 5529, 5626, 5456, 5553, 5371, 5589, 5445, 5297, 5287, 5489, 5427, 5258, 5382, 5333, 5503, 5430, 5618, 5572, 5351, 5289, 5599, 5446, 5671, 5555, 5471, 5318, 5697, 5418, 5612, 5268, 5694, 5614, 5366, 5496, 5353, 5519, 5431, 5510, 5688, 5537, 5264, 5358, 5461, 5661, 5397, 5412, 5647, 5616, 5359, 5623, 5283, 5619, 5628, 5512, 5432, 5511, 5668, 5378, 5406, 5276, 5482, 5706, 5414, 5298, 5263, 5355, 5630, 5434, 5583, 5481, 5421, 5721, 5303, 5652, 5488, 5326, 5606, 5569, 5376, 5320, 5329, 5567, 5596, 5294, 5391, 5712, 5660, 5448, 5608, 5513
25	5263, 5659, 5647, 5576, 5652, 5605, 5673, 5669, 5577, 5445, 5629, 5319, 5497, 5691, 5418, 5456, 5361, 5642, 5427, 5528, 5366, 5666, 5630, 5346, 5272, 5264, 5280, 5472, 5643, 5452, 5345, 5634, 5392, 5696, 5584, 5344, 5351, 5293, 5580, 5334, 5443, 5323, 5367, 5413, 5347, 5296, 5449, 5514, 5474, 5622, 5256, 5268, 5619, 5688, 5718, 5519, 5485, 5259, 5339, 5671, 5716, 5389, 5653, 5670, 5353, 5488, 5638, 5297, 5661, 5616, 5623, 5578, 5511, 5385, 5436, 5267, 5515, 5552, 5295, 5350, 5283, 5660, 5589, 5554, 5408, 5476, 5700, 5556, 5273, 5390, 5720, 5380, 5531, 5422, 5250, 5714, 5322, 5404, 5330, 5448
26	5258, 5332, 5606, 5274, 5557, 5337, 5545, 5705, 5574, 5578, 5406, 5464, 5724, 5383, 5264, 5381, 5266, 5451, 5509, 5675, 5530, 5460, 5287, 5486, 5341, 5418, 5590, 5498, 5669, 5339, 5638, 5630, 5369, 5423, 5637, 5278, 5289, 5504, 5461, 5593, 5628, 5315, 5719, 5462, 5521, 5667, 5485, 5641, 5263, 5353, 5393, 5673, 5562, 5276, 5283, 5309, 5570, 5497, 5588, 5527, 5659, 5721, 5290, 5553, 5358, 5697, 5484, 5399, 5538, 5299, 5563, 5572, 5262, 5713, 5438, 5412, 5305, 5683, 5514, 5605, 5453, 5450, 5702, 5622, 5434, 5653, 5513, 5694, 5292, 5382, 5396, 5524, 5539, 5304, 5567, 5409, 5541, 5627, 5355, 5374
27	5371, 5481, 5543, 5641, 5686, 5372, 5462, 5253, 5528, 5392, 5503, 5507, 5723, 5312, 5468, 5291, 5398, 5562, 5714, 5399, 5637, 5374, 5439, 5627, 5254, 5349, 5375, 5688, 5531, 5589, 5684, 5676, 5296, 5519, 5276, 5473, 5309, 5555, 5506, 5621, 5263, 5351, 5592, 5657, 5444, 5443, 5598, 5583, 5260, 5677, 5287, 5675, 5295, 5373, 5546, 5388, 5445, 5573, 5563, 5547, 5478, 5643, 5571, 5696, 5662, 5526, 5533, 5328, 5624, 5572, 5634, 5541, 5362, 5412, 5498, 5701, 5275, 5694, 5630, 5475, 5669, 5277, 5397, 5532, 5454, 5369, 5580, 5610, 5642, 5251, 5575, 5619, 5267, 5654, 5489, 5407, 5608, 5596, 5659, 5285

28	5592, 5268, 5455, 5571, 5304, 5643, 5589, 5533, 5676, 5580, 5279, 5296, 5560, 5551, 5670, 5295, 5443, 5334, 5535, 5712, 5320, 5572, 5601, 5668, 5680, 5457, 5630, 5267, 5347, 5399, 5276, 5655, 5301, 5510, 5525, 5610, 5598, 5499, 5416, 5657, 5612, 5460, 5570, 5722, 5717, 5672, 5390, 5388, 5709, 5574, 5278, 5599, 5567, 5654, 5469, 5342, 5596, 5346, 5459, 5329, 5319, 5640, 5545, 5591, 5447, 5566, 5583, 5288, 5333, 5286, 5393, 5258, 5344, 5465, 5395, 5270, 5624, 5302, 5356, 5303, 5310, 5280, 5584, 5521, 5608, 5463, 5254, 5605, 5577, 5497, 5496, 5349, 5462, 5635, 5644, 5690, 5614, 5394, 5588, 5431
29	5544, 5499, 5367, 5648, 5692, 5707, 5550, 5487, 5417, 5387, 5554, 5652, 5634, 5385, 5383, 5322, 5412, 5350, 5480, 5622, 5393, 5497, 5505, 5396, 5621, 5282, 5341, 5482, 5632, 5620, 5432, 5439, 5490, 5679, 5551, 5409, 5294, 5697, 5436, 5337, 5645, 5302, 5440, 5398, 5494, 5706, 5565, 5596, 5356, 5660, 5605, 5478, 5563, 5266, 5535, 5571, 5583, 5658, 5685, 5521, 5381, 5555, 5329, 5688, 5708, 5268, 5619, 5263, 5585, 5678, 5473, 5318, 5250, 5538, 5276, 5533, 5258, 5578, 5672, 5467, 5423, 5278, 5496, 5549, 5344, 5358, 5567, 5426, 5653, 5363, 5283, 5681, 5339, 5719, 5714, 5503, 5517, 5332, 5317, 5287
30	5322, 5656, 5400, 5503, 5418, 5585, 5407, 5635, 5567, 5671, 5607, 5587, 5702, 5566, 5619, 5371, 5492, 5515, 5519, 5369, 5440, 5695, 5329, 5448, 5491, 5617, 5280, 5521, 5304, 5601, 5287, 5365, 5290, 5379, 5578, 5544, 5522, 5276, 5558, 5514, 5590, 5424, 5335, 5510, 5458, 5546, 5714, 5655, 5572, 5439, 5610, 5317, 5632, 5489, 5473, 5338, 5404, 5378, 5477, 5501, 5339, 5294, 5331, 5363, 5664, 5712, 5396, 5393, 5410, 5465, 5672, 5604, 5296, 5667, 5556, 5390, 5302, 5487, 5380, 5686, 5345, 5273, 5547, 5663, 5599, 5374, 5288, 5415, 5382, 5685, 5591, 5684, 5668, 5395, 5528, 5713, 5419, 5639, 5483, 5349

*Pulse Width (µs) = 1; PRI (µs) = 333; No of Pulses per Burst =9 and No of Bursts = 100.