

APPENDIX A

TABLE OF INTEROPERABILITY CHANNELS

700 MHz Interoperability Channels				
FCC Channel (Subscriber Load)		Transmit and Receive Frequencies	Primary Use	Channel Name
Receive Ch.	Transmit Ch.			
23-24	983-984	799.14375	General	7TAC51
	23-24	769.14375	Public Safety	7TAC51D
39-40	999-1000	799.24375	Calling	7CALL50
	39-40	769.24375	Channel	7CALL50D
63-64	1023-1024	799.39375	EMS	7MED65
	63-64	769.39375		7MED65D
79-80	1039-1040	799.49375	EMS	7MED66
	79-80	769.49375		7MED66D
103-104	1063-1064	799.64375	General	7TAC52
	103-104	769.64375	Public Safety	7TAC52D
119-120	1079-1080	799.74375	General	7TAC55
	119-120	769.74375	Public Safety	7TAC55D
143-144	1103-1104	799.89375	Fire	7FIRE63
	143-144	769.89375		7FIRE63D
159-160	1119-1120	799.99375	Fire	7FIRE64
	159-160	769.99375		7FIRE64D
183-184	1143-1144	800.14375	General	7TAC53
	183-184	770.14375	Public Safety	7TAC53D
199-200	1159-1160	800.24375	General	7TAC56
	199-200	770.24375	Public Safety	7TAC56D
223-224	1183-1184	800.39375	Law	7LAW61
	223-224	770.39375	Enforcement	7LAW61D

FCC Channel (Subscriber Load)		Transmit and Receive Frequencies	Primary Use	Channel Name
Receive Ch.	Transmit Ch.			
239-240	1199-1200	800.49375	Law	7LAW62
	239-240	770.49375	Enforcement	7LAW62D
263-264	1223-1224	800.64375	General	7TAC54
	263-264	770.64375	Public Safety	7TAC54D
279-280	1239-1240	800.74375	Mobile Data	7DATA69
	279-280	770.74375		7DATA69D
303-304	1263-1264	800.89375	Mobile	7MOB59
	303-304	770.89375	Repeater	7MOB59D
319-320	1279-1280	800.99375	Other Public	7GTAC57
	319-320	770.99375	Service	7GTAC57D
641-642	1601-1602	803.00625	EMS	7MED86
	641-642	773.00625		7MED86D
657-658	1617-1618	803.10625	General	7TAC71
	657-658	773.10625	Public Safety	7TAC71D
681-682	1641-1642	803.25625	Calling	7CALL70
	681-682	773.25625	Channel	7CALL70D
697-698	1657-1658	803.35625	EMS	7MED87
	697-698	773.35625		7MED87D
721-722	1681-1682	803.50625	Fire	7FIRE83
	721-722	773.50625		7FIRE83D
737-738	1697-1698	803.60625	General	7TAC72
	737-738	773.60625	Public Safety	7TAC72D

FCC Channel (Subscriber Load)		Transmit and Receive Frequencies	Primary Use	Channel Name
Receive Ch.	Transmit Ch.			
761-762	1721-1722	803.75625	General	7TAC75
	761-762	773.75625	Public Safety	7TAC75D
777-778	1737-1738	803.85625	Fire	7FIRE84
	777-778	773.85625		7FIRE84D
801-802	1761-1762	804.00625	Law	7LAW81
	801-802	774.00625	Enforcement	7LAW81D
817-818	1777-1778	804.10625	General	7TAC73
	817-818	774.10625	Public Safety	7TAC73D
841-842	1801-1802	804.25625	General	7TAC76
	841-842	774.25625	Public Safety	7TAC76D
857-858	1817-1818	804.35625	Law	7LAW82
	857-858	774.35625	Enforcement	7LAW82D
881-882	1841-1842	804.50625	Mobile	7MOB79
	881-882	774.50625	Repeater	7MOB79D
897-898	1857-1858	804.60625	General	7TAC74
	897-898	774.60625	Public Safety	7TAC74D
921-922	1881-1882	804.75625	Mobile Data	7DATA89
	921-922	774.75625		7DATA89D
937-938	1897-1898	804.85625	Other Public Service	7GTAC77
	937-938	774.85625		7GTAC77D

12.5 kHz narrowband channels shown as odd-even channel pairs of 6.25 kHz channels.

Ref: http://www.apco911.org/frequency/documents/700_NB_channel_centers.pdf

700 MHz BAND PLAN per Second R&O in PS Docket 06-229

960 Narrowband Base Channels (6.25 kHz each, aggregate to 25 kHz)

769 MHz

401	321	241	161	81	1
402	322	242	162	82	2
403	323	243	163	83	3
404	324	244	164	84	4
405	325	245	165	85	5
406	326	246	166	86	6
407	327	247	167	87	7
408	328	248	168	88	8
409	329	249	169	89	9
410	330	250	170	90	10
411	331	251	171	91	11
412	332	252	172	92	12
413	333	253	173	93	13
414	334	254	174	94	14
415	335	255	175	95	15
416	336	256	176	96	16
417	337	257	177	97	17
418	338	258	178	98	18
419	339	259	179	99	19
420	340	260	180	100	20
421	341	261	181	101	21
422	342	262	182	102	22
423	343	263	183	103	23
424	344	264	184	104	24
425	345	265	185	105	25
426	346	266	186	106	26
427	347	267	187	107	27
428	348	268	188	108	28
429	349	269	189	109	29
430	350	270	190	110	30
431	351	271	191	111	31
432	352	272	192	112	32
433	353	273	193	113	33
434	354	274	194	114	34
435	355	275	195	115	35
436	356	276	196	116	36
437	357	277	197	117	37
438	358	278	198	118	38
439	359	279	199	119	39
440	360	280	200	120	40
441	361	281	201	121	41
442	362	282	202	122	42
443	363	283	203	123	43
444	364	284	204	124	44
445	365	285	205	125	45
446	366	286	206	126	46
447	367	287	207	127	47
448	368	288	208	128	48
449	369	289	209	129	49
450	370	290	210	130	50
451	371	291	211	131	51
452	372	292	212	132	52
453	373	293	213	133	53
454	374	294	214	134	54
455	375	295	215	135	55
456	376	296	216	136	56
457	377	297	217	137	57
458	378	298	218	138	58
459	379	299	219	139	59
460	380	300	220	140	60
461	381	301	221	141	61
462	382	302	222	142	62
463	383	303	223	143	63
464	384	304	224	144	64
465	385	305	225	145	65
466	386	306	226	146	66
467	387	307	227	147	67
468	388	308	228	148	68
469	389	309	229	149	69
470	390	310	230	150	70
471	391	311	231	151	71
472	392	312	232	152	72
473	393	313	233	153	73
474	394	314	234	154	74
475	395	315	235	155	75
476	396	316	236	156	76
477	397	317	237	157	77
478	398	318	238	158	78
479	399	319	239	159	79
480	400	320	240	160	80

772
MHz

772 MHz

881	801	721	641	561	481
882	802	722	642	562	482
883	803	723	643	563	483
884	804	724	644	564	484
885	805	725	645	565	485
886	806	726	646	566	486
887	807	727	647	567	487
888	808	728	648	568	488
889	809	729	649	569	489
890	810	730	650	570	490
891	811	731	651	571	491
892	812	732	652	572	492
893	813	733	653	573	493
894	814	734	654	574	494
895	815	735	655	575	495
896	816	736	656	576	496
897	817	737	657	577	497
898	818	738	658	578	498
899	819	739	659	579	499
900	820	740	660	580	500
901	821	741	661	581	501
902	822	742	662	582	502
903	823	743	663	583	503
904	824	744	664	584	504
905	825	745	665	585	505
906	826	746	666	586	506
907	827	747	667	587	507
908	828	748	668	588	508
909	829	749	669	589	509
910	830	750	670	590	510
911	831	751	671	591	511
912	832	752	672	592	512
913	833	753	673	593	513
914	834	754	674	594	514
915	835	755	675	595	515
916	836	756	676	596	516
917	837	757	677	597	517
918	838	758	678	598	518
919	839	759	679	599	519
920	840	760	680	600	520
921	841	761	681	601	521
922	842	762	682	602	522
923	843	763	683	603	523
924	844	764	684	604	524
925	845	765	685	605	525
926	846	766	686	606	526
927	847	767	687	607	527
928	848	768	688	608	528
929	849	769	689	609	529
930	850	770	690	610	530
931	851	771	691	611	531
932	852	772	692	612	532
933	853	773	693	613	533
934	854	774	694	614	534
935	855	775	695	615	535
936	856	776	696	616	536
937	857	777	697	617	537
938	858	778	698	618	538
939	859	779	699	619	539
940	860	780	700	620	540
941	861	781	701	621	541
942	862	782	702	622	542
943	863	783	703	623	543
944	864	784	704	624	544
945	865	785	705	625	545
946	866	786	706	626	546
947	867	787	707	627	547
948	868	788	708	628	548
949	869	789	709	629	549
950	870	790	710	630	550
951	871	791	711	631	551
952	872	792	712	632	552
953	873	793	713	633	553
954	874	794	714	634	554
955	875	795	715	635	555
956	876	796	716	636	556
957	877	797	717	637	557
958	878	798	718	638	558
959	879	799	719	639	559
960	880	800	720	640	560

775 MHz

Narrowband Channels

- Two may be combined provided that the lower channel number is odd (e.g., 1, 3, 5)
- Four may be combined provide that the lower channel number is $1 + 4n$, $n = 0$ to 479 (e.g., 1, 5, 1917)
- Channel numbers for combined channels are designated by the lowest and highest channel numbers separated by a hyphen, e.g., "1-2" and "1-4".
- Narrowband channels must maintain a data throughput efficiency of not less than 4.8 kbps for each 6.25 kHz of bandwidth

General Use
Interoperability
Reserve
State License
Low Power
2ndary Trunking
I/O Nationwide Call
I/O Low Speed Data

960 Narrowband Mobile Channels (6.25 kHz each, aggregate to 25 kHz)

799 MHz

1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440																																																																																
1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440

802 MHz

1841	1761	1681	1601	1521	1441
1842	1762	1682	1602	1522	1442
1843	1763	1683	1603	1523	1443
1844	1764	1684	1604	1524	1444
1845	1765	1685	1605	1525	1445
1846	1766	1686	1606	1526	1446
1847	1767	1687	1607	1527	1447
1848	1768	1688	1608	1528	1448
1849	1769	1689	1609	1529	1449
1850	1770	1690	1610	1530	1450
1851	1771	1691	1611	1531	1451
1852	1772	1692	1612	1532	1452
1853	1773	1693	1613	1533	1453
1854	1774	1694	1614	1534	1454
1855	1775	1695	1615	1535	1455
1856	1776	1696	1616	1536	1456
1857	1777	1697	1617	1537	1457
1858	1778	1698	1618	1538	1458
1859	1779	1699	1619	1539	1459
1860	1780	1700	1620	1540	1460
1861	1781	1701	1621	1541	1461
1862	1782	1702	1622	1542	1462
1863	1783	1703	1623	1543	1463
1864	1784	1704	1624	1544	1464
1865	1785	1705	1625	1545	1465
1866	1786	1706	1626	1546	1466
1867	1787	1707	1627	1547	1467
1868	1788	1708	1628	1548	1468
1869	1789	1709	1629	1549	1469
1870	1790	1710	1630	1550	1470
1871	1791	1711	1631	1551	1471
1872	1792	1712	1632	1552	1472
1873	1793	1713	1633	1553	1473
1874	1794	1714	1634	1554	1474
1875	1795	1715	1635	1555	1475
1876	1796	1716	1636	1556	1476
1877	1797	1717	1637	1557	1477
1878	1798	1718	1638	1558	1478
1879	1799	1719	1639	1559	1479
1880	1800	1720	1640	1560	1480
1881	1801	1721	1641	1561	1481
1882	1802	1722	1642	1562	1482
1883	1803	1723	1643	1563	1483
1884	1804	1724	1644	1564	1484
1885	1805	1725	1645	1565	1485
1886	1806	1726	1646	1566	1486
1887	1807	1727	1647	1567	1487
1888	1808	1728	1648	1568	1488
1889	1809	1729	1649	1569	1489
1890	1810	1730	1650	1570	1490
1891	1811	1731	1651	1571	1491
1892	1812	1732	1652	1572	1492
1893	1813	1733	1653	1573	1493
1894	1814	1734	1654	1574	1494
1895	1815	1735	1655	1575	1495
1896	1816	1736	1656	1576	1496
1897	1817	1737	1657	1577	1497
1898	1818	1738	1658	1578	1498
1899	1819	1739	1659	1579	1499
1900	1820	1740	1660	1580	1500
1901	1821	1741	1661	1581	1501
1902	1822	1742	1662	1582	1502
1903	1823	1743	1663	1583	1503
1904	1824	1744	1664	1584	1504
1905	1825	1745	1665	1585	1505
1906	1826	1746	1666	1586	1506
1907	1827	1747	1667	1587	1507
1908	1828	1748	1668	1588	1508
1909	1829	1749	1669	1589	1509
1910	1830	1750	1670	1590	1510
1911	1831	1751	1671	1591	1511
1912	1832	1752	1672	1592	1512
1913	1833	1753	1673	1593	1513
1914	1834	1754	1674	1594	1514
1915	1835	1755	1675	1595	1515
1916	1836	1756	1676	1596	1516
1917	1837	1757	1677	1597	1517
1918	1838	1758	1678	1598	1518
1919	1839	1759	1679	1599	1519
1920	1840	1760	1680	1600	1520

802 MHz

805 MHz

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