



REPORT No.: SZ24070315W12

TEST REPORT

APPLICANT : OnePlus Technology (Shenzhen) Co., Ltd.

PRODUCT NAME : Mobile Phone

MODEL NAME : CPH2647

BRAND NAME : OPPO

FCC ID : 2ABZ2-OP23869

STANDARD(S) : 47 CFR Part 2
47 CFR Part 24
47 CFR Part 27
47 CFR Part 90
47 CFR Part 96

RECEIPT DATE : 2024-08-14

TEST DATE : 2024-08-15 to 2024-09-30

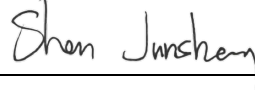
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Change History		
Version	Date	Reason for change
1.0	2024-10-31	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	OnePlus Technology (Shenzhen) Co., Ltd.
Applicant Address:	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China.
Manufacturer:	OnePlus Technology (Shenzhen) Co., Ltd.
Manufacturer Address:	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China.

1.2. Equipment Under Test (EUT) Description

Product Name:	Mobile Phone	
Hardware Version:	11	
Software Version:	OxygenOS 15.0	
IMEI:	866189070022292	
Modulation Type:	DFT-s-OFDM	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM
	CP-OFDM	QPSK, 16QAM, 64QAM, 256QAM
SA Band:	n2, n5, n7, n12, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78	
Power Class:	PC2:	n41, n77, n78
	PC3:	n2, n5, n7, n12, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78
NR CA Band:	CA_n2A-n77A, CA_n5A-n77A, CA_n5A-n78A, CA_n7A-n78A, CA_n25A-n41A, CA_n41A-n66A	
EN-DC Band:	n2	DC_4A_n2, DC_5A_n2, DC_7A_n2, DC_12A_n2, DC_13A_n2, DC_30A_n2, DC_66A_n2, DC_71A_n2
	n5	DC_2A_n5, DC_7A_n5, DC_30A_n5, DC_48A_n5, DC_66A_n5
	n7	DC_2A_n7, DC_4A_n7, DC_5A_n7, DC_12A_n7, DC_13A_n7, DC_66A_n7
	n25	DC_7A_n25, DC_12A_n25, DC_13A_n25, DC_26A_n25, DC_66A_n25
	n38	DC_2A_n38, DC_4A_n38, DC_5A_n38, DC_12A_n38, DC_66A_n38, DC_71A_n38



	n41	DC_2A_n41, DC_4A_n41, DC_12A_n41, DC_25A_n41, DC_26A_n41, DC_66A_n41, DC_71A_n41
	n66	DC_2A_n66, DC_5A_n66, DC_7A_n66, DC_12A_n66, DC_13A_n66, DC_30A_n66, DC_48A_n66, DC_71A_n66
	n71	DC_2A_n71, DC_7A_n71, DC_66A_n71
	n77	DC_2A_n77, DC_5A_n77, DC_7A_n77, DC_12A_n77, DC_13A_n77, DC_25A_n77, DC_30A_n77, DC_41A_n77, DC_66A_n77
	n78	DC_2A_n78, DC_4A_n78, DC_5A_n78, DC_7A_n78, DC_12A_n78, DC_13A_n78, DC_25A_n78, DC_38A_n78, DC_41A_n78, DC_66A_n78, DC_71A_n78
Frequency Range:	n2	Tx: 1850MHz-1910MHz
		Rx: 1930MHz-1990MHz
	n5	Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n7	Tx: 2500MHz-2570MHz
		Rx: 2620MHz-2690MHz
	n12	Tx: 699MHz-716MHz
		Rx: 729MHz-746MHz
		Rx: 758MHz-768MHz
	n25	Tx: 1850MHz-1915MHz
		Rx: 1930MHz-1995MHz
	n26 (enabling bands)	Tx: 814MHz-824MHz
		Rx: 859MHz-869MHz
		Tx: 824MHz-849MHz
		Rx: 869MHz-894MHz
	n30	Tx: 2305MHz-2315MHz
		Rx: 2350MHz-2360MHz
	n38	Tx: 2570MHz-2620MHz
		Rx: 2570MHz-2620MHz
	n41	Tx: 2496MHz-2690MHz
		Rx: 2496MHz-2690MHz
	n48	Tx: 3550 MHz-3700 MHz
		Rx: 3550 MHz-3700 MHz
	n66	Tx: 1710MHz-1780MHz



		Rx: 2110MHz-2200MHz
	n71	Tx: 663MHz-698MHz
		Rx: 617MHz-652MHz
	n77 : (enabling bands)	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
		Tx: 3700MHz-3980MHz
		Rx: 3700MHz-3980MHz
	n78: (enabling bands)	Tx: 3450MHz-3550MHz
		Rx: 3450MHz-3550MHz
		Tx: 3700MHz-3800MHz
		Rx: 3700MHz-3800MHz
Channel Bandwidth	n2	5MHz, 10MHz, 15MHz, 20MHz
	n5	5MHz, 10MHz, 15MHz, 20MHz
	n7	5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz
	n12	5MHz, 10MHz, 15MHz
	n25	5MHz, 10MHz, 15MHz, 20MHz, 25MHz, 30MHz, 40MHz
	n26	5MHz, 10MHz, 15MHz, 20MHz
	n30	5MHz, 10MHz
	n38	10MHz, 15MHz, 20MHz, 30MHz, 40MHz
	n41	20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
	n48	10MHz, 15MHz, 20MHz, 30MHz, 40MHz
	n66	5MHz, 10MHz, 15MHz, 20MHz, 30MHz, 40MHz
	n71	5MHz, 10MHz, 15MHz, 20MHz
	n77	10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
	n78	10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz
Antenna Type:	IFA Antenna	
Antenna Gain:	n2	ANT0: -2.20dBi, ANT4: 0.70dBi, ANT5: -0.70dBi, ANT6: -2.70dBi
	n5	ANT0: -3.80dBi, ANT1: -6.00dBi
	n7	ANT0: -0.60dBi, ANT4: 0.90dBi, ANT5: 0.70dBi, ANT6: -3.10dBi
	n12	ANT0: -5.50dBi, ANT1: -7.70dBi
	n25	ANT0: -2.20dBi, ANT4: 0.90dBi, ANT5: -0.20dBi, ANT6: -2.30dBi
	n26	ANT0: -3.80dBi, ANT1: -6.00dBi
	n30	ANT4: -0.80dBi, ANT6: -4.00dBi
	n38	ANT0: -0.60dBi, ANT4: 0.90dBi, ANT5: 0.70dBi, ANT6: -3.10dBi

	n41	ANT0: -0.60dBi, ANT4: 0.90dBi, ANT5: 0.70dBi, ANT6: -3.10dBi
	n48	ANT4: 0.70dBi, ANT8:-2.70dBi, ANT9: -2.10dBi, ANT11: 1.20dBi
	n66	ANT0: 0.20dBi, ANT4: 0.30dBi, ANT5: -0.50dBi, ANT6: -1.5 dBi
	n71	ANT0: -5.50dBi, ANT1: -3.10dBi
	n77	ANT4: 0.70dBi, ANT8: -1.70dBi, ANT9: -1.50dBi, ANT11: 1.20dBi
	n78	ANT4: 0.70dBi, ANT8: -2.50dBi, ANT9: -1.50dBi, ANT11: 1.20dBi
Accessory Information:	Battery :	
	Brand Name:	N/A
	Model No.:	BLPB25
	Serial No.:	N/A
	Capacity:	5860mAh
	Rated Voltage:	3.93V
	Charge Limit:	4.53V
	Manufacturer:	Sunwoda Electronic CO.,LTD.
	AC Adapter :	
	Brand Name:	N/A
	Model No.:	VCB8OAUH
	Serial No.:	N/A
	Rated Input:	100-240V~50/60HZ, 2.0A
	Rated Output:	5V=2A or 5-11V=5A or 5-11V=7.3A
	Manufacturer1:	Dongguan Aohai Technology Co.,Ltd.
	Manufacturer2:	Huizhou Golden Lake Industrial Co., Ltd.

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

Note 2: n41 and n77 supports both power class 2 and class 3. We have evaluated two power classes respectively by performing full test, for Conducted Output Power .we recorded the test result of two power classes separately, for other test items we only recorded the worst test result (Class 2) in this report.

Note 3: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.

1.3. Maximum ERP/EIRP and Emission Designator

EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

ERP (dBm) = EIPR (dBm) - 2.15

n2						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.49	4M49G7D
	QPSK	24.16	23.96	0.249	4.4911	4M49G7D
	16QAM	/	/	/	4.492	4M49W7D
	64QAM	/	/	/	4.478	4M48W7D
	256QAM	/	/	/	4.4843	4M48W7D
	CP-QPSK	/	/	/	4.4709	4M47G7D
10	PI/2 BPSK	/	/	/	8.923	8M92G7D
	QPSK	24.18	23.98	0.250	8.9256	8M93G7D
	16QAM	/	/	/	8.9554	8M96W7D
	64QAM	/	/	/	8.9235	8M92W7D
	256QAM	/	/	/	8.9242	8M92W7D
	CP-QPSK	/	/	/	9.287	9M29G7D
15	PI/2 BPSK	/	/	/	13.422	13M4G7D
	QPSK	24.19	23.99	0.251	13.427	13M4G7D
	16QAM	/	/	/	13.425	13M4W7D
	64QAM	/	/	/	13.392	13M4W7D
	256QAM	/	/	/	13.438	13M4W7D
	CP-QPSK	/	/	/	14.11	14M1G7D
20	PI/2 BPSK	24.20	24.00	0.251	17.893	17M9G7D
	QPSK	24.25	24.05	0.254	17.888	17M9G7D
	16QAM	23.01	22.81	0.191	17.884	17M9W7D
	64QAM	21.53	21.33	0.136	17.885	17M9W7D
	256QAM	19.25	19.05	0.080	17.9	17M9W7D
	CP-QPSK	/	/	/	18.905	18M9G7D

n5						
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Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4804	4M48G7D
	QPSK	23.84	15.69	0.037	4.4889	4M49G7D
	16QAM	/	/	/	4.4826	4M48W7D
	64QAM	/	/	/	4.4783	4M48W7D
	256QAM	/	/	/	4.4768	4M48W7D
	CP-QPSK	/	/	/	4.4775	4M48G7D
10	PI/2 BPSK	/	/	/	8.9282	8M93G7D
	QPSK	23.90	15.75	0.038	8.929	8M93G7D
	16QAM	/	/	/	8.9365	8M94W7D
	64QAM	/	/	/	8.9226	8M92W7D
	256QAM	/	/	/	8.9262	8M93W7D
	CP-QPSK	/	/	/	9.2932	9M29G7D
15	PI/2 BPSK	/	/	/	13.428	13M4G7D
	QPSK	23.92	15.77	0.038	13.422	13M4G7D
	16QAM	/	/	/	13.419	13M4W7D
	64QAM	/	/	/	13.421	13M4W7D
	256QAM	/	/	/	13.432	13M4W7D
	CP-QPSK	/	/	/	14.115	14M1G7D
20	PI/2 BPSK	23.91	15.76	0.038	17.887	17M9G7D
	QPSK	23.94	15.79	0.038	17.896	17M9G7D
	16QAM	22.76	14.61	0.029	17.892	17M9W7D
	64QAM	21.23	13.08	0.020	17.913	17M9W7D
	256QAM	18.89	10.74	0.012	17.869	17M9W7D
	CP-QPSK	/	/	/	18.914	18M9G7D

n7						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4778	4M48G7D
	QPSK	24.08	24.78	0.301	4.4902	4M49G7D
	16QAM	/	/	/	4.4883	4M49W7D
	64QAM	/	/	/	4.4745	4M47W7D
	256QAM	/	/	/	4.4843	4M48W7D
	CP-QPSK	/	/	/	4.474	4M47G7D



10	PI/2 BPSK	/	/	/	8.9136	8M91G7D
	QPSK	24.06	24.76	0.299	8.9268	8M93G7D
	16QAM	/	/	/	8.9397	8M94W7D
	64QAM	/	/	/	8.9221	8M92W7D
	256QAM	/	/	/	8.9286	8M93W7D
	CP-QPSK	/	/	/	9.2859	9M29G7D
15	PI/2 BPSK	/	/	/	13.412	13M4G7D
	QPSK	24.04	24.74	0.298	13.42	13M4G7D
	16QAM	/	/	/	13.425	13M4W7D
	64QAM	/	/	/	13.4	13M4W7D
	256QAM	/	/	/	13.429	13M4W7D
	CP-QPSK	/	/	/	14.112	14M1G7D
20	PI/2 BPSK	/	/	/	17.865	17M9G7D
	QPSK	24.08	24.78	0.301	17.866	17M9G7D
	16QAM	/	/	/	17.871	17M9W7D
	64QAM	/	/	/	17.89	17M9W7D
	256QAM	/	/	/	17.861	17M9W7D
	CP-QPSK	/	/	/	18.904	18M9G7D
25	PI/2 BPSK	/	/	/	22.909	22M9G7D
	QPSK	24.06	24.76	0.299	22.91	22M9G7D
	16QAM	/	/	/	22.933	22M9W7D
	64QAM	/	/	/	22.878	22M9W7D
	256QAM	/	/	/	22.873	22M9W7D
	CP-QPSK	/	/	/	23.748	23M8G7D
30	PI/2 BPSK	/	/	/	28.61	28M6G7D
	QPSK	24.09	24.79	0.301	28.517	28M5G7D
	16QAM	/	/	/	28.557	28M6W7D
	64QAM	/	/	/	28.529	28M5W7D
	256QAM	/	/	/	28.573	28M6W7D
	CP-QPSK	/	/	/	28.553	28M6G7D
40	PI/2 BPSK	24.12	24.82	0.303	38.596	38M6G7D
	QPSK	24.14	24.84	0.305	38.626	38M6G7D
	16QAM	22.97	23.67	0.233	38.595	38M6W7D
	64QAM	21.32	22.02	0.159	38.544	38M5W7D
	256QAM	19.00	19.70	0.093	38.524	38M5W7D
	CP-QPSK	/	/	/	38.539	38M5G7D



n12						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4778	4M48G7D
	QPSK	23.83	13.98	0.025	4.4902	4M49G7D
	16QAM	/	/	/	4.4883	4M49W7D
	64QAM	/	/	/	4.4745	4M47W7D
	256QAM	/	/	/	4.4843	4M48W7D
	CP-QPSK	/	/	/	4.474	4M47G7D
10	PI/2 BPSK	/	/	/	8.9136	8M91G7D
	QPSK	23.91	14.06	0.025	8.9268	8M93G7D
	16QAM	/	/	/	8.9397	8M94W7D
	64QAM	/	/	/	8.9221	8M92W7D
	256QAM	/	/	/	8.9286	8M93W7D
	CP-QPSK	/	/	/	9.2859	9M29G7D
15	PI/2 BPSK	23.98	14.13	0.026	13.412	13M4G7D
	QPSK	24.04	14.19	0.026	13.42	13M4G7D
	16QAM	22.86	13.01	0.020	13.425	13M4W7D
	64QAM	21.10	11.25	0.013	13.4	13M4W7D
	256QAM	18.85	9.00	0.008	13.429	13M4W7D
	CP-QPSK	/	/	/	14.112	14M1G7D

n25						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4881	4M49G7D
	QPSK	24.05	23.85	0.243	4.4991	4M50G7D
	16QAM	/	/	/	4.4862	4M49W7D
	64QAM	/	/	/	4.4838	4M48W7D
	256QAM	/	/	/	4.4811	4M48W7D
	CP-QPSK	/	/	/	4.4785	4M48G7D
10	PI/2 BPSK	/	/	/	8.9229	8M92G7D
	QPSK	24.24	24.04	0.254	8.919	8M92G7D
	16QAM	/	/	/	8.9397	8M94W7D
	64QAM	/	/	/	8.9229	8M92W7D
	256QAM	/	/	/	8.9375	8M94W7D



	CP-QPSK	/	/	/	9.2806	9M28G7D
15	PI/2 BPSK	/	/	/	13.422	13M4G7D
	QPSK	24.23	24.03	0.253	13.437	13M4G7D
	16QAM	/	/	/	13.419	13M4W7D
	64QAM	/	/	/	13.407	13M4W7D
	256QAM	/	/	/	13.429	13M4W7D
	CP-QPSK	/	/	/	14.111	14M1G7D
20	PI/2 BPSK	/	/	/	17.882	17M9G7D
	QPSK	24.18	23.98	0.250	17.872	17M9G7D
	16QAM	/	/	/	17.879	17M9W7D
	64QAM	/	/	/	17.893	17M9W7D
	256QAM	/	/	/	17.851	17M9W7D
	CP-QPSK	/	/	/	18.906	18M9G7D
25	PI/2 BPSK	/	/	/	22.86	22M9G7D
	QPSK	24.25	24.05	0.254	22.911	22M9G7D
	16QAM	/	/	/	22.929	22M9W7D
	64QAM	/	/	/	22.868	22M9W7D
	256QAM	/	/	/	22.86	22M9W7D
	CP-QPSK	/	/	/	23.75	23M8G7D
30	PI/2 BPSK	/	/	/	28.632	28M6G7D
	QPSK	24.21	24.01	0.252	28.554	28M6G7D
	16QAM	/	/	/	28.56	28M6W7D
	64QAM	/	/	/	28.538	28M5W7D
	256QAM	/	/	/	28.579	28M6W7D
	CP-QPSK	/	/	/	28.537	28M5G7D
40	PI/2 BPSK	24.22	24.02	0.252	38.575	38M6G7D
	QPSK	24.26	24.06	0.255	38.589	38M6G7D
	16QAM	23.04	22.84	0.192	38.614	38M6W7D
	64QAM	21.45	21.25	0.133	38.538	38M5W7D
	256QAM	19.15	18.95	0.079	38.511	38M5W7D
	CP-QPSK	/	/	/	38.535	38M5G7D

n26(814-824MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4776	4M48G7D
	QPSK	23.90	15.75	0.038	4.5086	4M51G7D



	16QAM	/	/	/	4.4897	4M49W7D
	64QAM	/	/	/	4.4752	4M48W7D
	256QAM	/	/	/	4.4801	4M48W7D
	CP-QPSK	/	/	/	4.4776	4M48G7D
10	PI/2 BPSK	24.04	15.89	0.039	8.9207	8M92G7D
	QPSK	24.06	15.91	0.039	8.9117	8M91G7D
	16QAM	22.93	14.78	0.030	8.9289	8M93W7D
	64QAM	21.23	13.08	0.020	8.9103	8M91W7D
	256QAM	18.97	10.82	0.012	8.9214	8M92W7D
	CP-QPSK	/	/	/	9.257	9M26G7D

n26(824-849MHz)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4833	4M48G7D
	QPSK	23.93	15.78	0.038	4.5051	4M51G7D
	16QAM	/	/	/	4.485	4M49W7D
	64QAM	/	/	/	4.4773	4M48W7D
	256QAM	/	/	/	4.4794	4M48W7D
	CP-QPSK	/	/	/	4.501	4M50G7D
10	PI/2 BPSK	/	/	/	8.9201	8M92G7D
	QPSK	24.04	15.89	0.039	8.9325	8M93G7D
	16QAM	/	/	/	8.9362	8M94W7D
	64QAM	/	/	/	8.9282	8M93W7D
	256QAM	/	/	/	8.9266	8M93W7D
	CP-QPSK	/	/	/	9.2933	9M29G7D
15	PI/2 BPSK	/	/	/	13.423	13M4G7D
	QPSK	24.00	15.85	0.038	13.436	13M4G7D
	16QAM	/	/	/	13.442	13M4W7D
	64QAM	/	/	/	13.407	13M4W7D
	256QAM	/	/	/	13.433	13M4W7D
	CP-QPSK	/	/	/	14.11	14M1G7D
20	PI/2 BPSK	24.01	15.86	0.039	17.874	17M9G7D
	QPSK	24.05	15.90	0.039	17.869	17M9G7D
	16QAM	23.01	14.86	0.031	17.9	17M9W7D
	64QAM	21.27	13.12	0.021	17.891	17M9W7D
	256QAM	18.97	10.82	0.012	17.863	17M9W7D



	CP-QPSK	/	/	/	18.907	18M9G7D
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n30						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4828	4M48G7D
	QPSK	22.90	19.95	0.099	4.4963	4M50G7D
	16QAM	/	/	/	4.491	4M49W7D
	64QAM	/	/	/	4.476	4M48W7D
	256QAM	/	/	/	4.4798	4M48W7D
	CP-QPSK	/	/	/	4.4792	4M48G7D
10	PI/2 BPSK	23.01	20.06	0.101	8.9136	8M91G7D
	QPSK	23.03	20.08	0.102	8.915	8M92G7D
	16QAM	21.76	18.81	0.076	8.941	8M94W7D
	64QAM	20.12	17.17	0.052	8.9226	8M92W7D
	256QAM	17.97	15.02	0.032	8.9305	8M93W7D
	CP-QPSK	/	/	/	9.2864	9M29G7D

n38						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5873	8M59G7D
	QPSK	24.04	24.74	0.298	8.6056	8M61G7D
	16QAM	/	/	/	8.6293	8M63W7D
	64QAM	/	/	/	8.6092	8M61W7D
	256QAM	/	/	/	8.6059	8M61W7D
	CP-QPSK	/	/	/	8.5886	8M59G7D
15	PI/2 BPSK	/	/	/	12.882	12M9G7D
	QPSK	24.01	24.71	0.296	12.874	12M9G7D
	16QAM	/	/	/	12.905	12M9W7D
	64QAM	/	/	/	12.857	12M9W7D
	256QAM	/	/	/	13.85	13M9W7D
	CP-QPSK	/	/	/	12.886	12M9G7D
20	PI/2 BPSK	/	/	/	17.836	17M8G7D
	QPSK	24.11	24.81	0.303	17.828	17M8G7D
	16QAM	/	/	/	17.876	17M9W7D



	64QAM	/	/	/	17.863	17M9W7D
	256QAM	/	/	/	17.838	17M8W7D
	CP-QPSK	/	/	/	17.87	17M9G7D
30	PI/2 BPSK	/	/	/	26.786	26M8G7D
	QPSK	24.20	24.90	0.309	26.806	26M8G7D
	16QAM	/	/	/	26.828	26M8W7D
	64QAM	/	/	/	26.801	26M8W7D
	256QAM	/	/	/	26.807	26M8W7D
	CP-QPSK	/	/	/	26.798	26M8G7D
40	PI/2 BPSK	24.16	24.86	0.306	35.736	35M7G7D
	QPSK	24.22	24.92	0.310	35.761	35M8G7D
	16QAM	23.00	23.70	0.234	35.779	35M8W7D
	64QAM	21.49	22.19	0.166	35.805	35M8W7D
	256QAM	19.31	20.01	0.100	35.795	35M8W7D
	CP-QPSK	/	/	/	35.739	35M7G7D

n41(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
20	PI/2 BPSK	/	/	/	17.831	17M8G7D
	QPSK	26.02	26.72	0.470	17.836	17M8G7D
	16QAM	/	/	/	17.915	17M9W7D
	64QAM	/	/	/	17.848	17M9W7D
	256QAM	/	/	/	17.816	17M8W7D
	CP-QPSK	/	/	/	17.88	17M9G7D
30	PI/2 BPSK	/	/	/	26.79	26M8G7D
	QPSK	26.15	26.85	0.484	26.821	26M8G7D
	16QAM	/	/	/	26.823	26M8W7D
	64QAM	/	/	/	26.784	26M8W7D
	256QAM	/	/	/	26.838	26M8W7D
	CP-QPSK	/	/	/	26.837	26M8G7D
40	PI/2 BPSK	/	/	/	35.73	35M7G7D
	QPSK	26.01	26.71	0.469	35.771	35M8G7D
	16QAM	/	/	/	35.761	35M8W7D
	64QAM	/	/	/	35.813	35M8W7D
	256QAM	/	/	/	35.752	35M8W7D



	CP-QPSK	/	/	/	35.683	35M7G7D
50	PI/2 BPSK	/	/	/	45.714	45M7G7D
	QPSK	26.25	26.95	0.495	45.735	45M7G7D
	16QAM	/	/	/	45.736	45M7W7D
	64QAM	/	/	/	45.685	45M7W7D
	256QAM	/	/	/	45.691	45M7W7D
	CP-QPSK	/	/	/	45.689	45M7G7D
60	PI/2 BPSK	/	/	/	57.86	57M9G7D
	QPSK	26.11	26.81	0.480	57.78	57M8G7D
	16QAM	/	/	/	57.736	57M7W7D
	64QAM	/	/	/	57.824	57M8W7D
	256QAM	/	/	/	57.806	57M8W7D
	CP-QPSK	/	/	/	57.775	57M8G7D
70	PI/2 BPSK	/	/	/	64.332	64M3G7D
	QPSK	26.14	26.84	0.483	64.255	64M3G7D
	16QAM	/	/	/	64.14	64M1W7D
	64QAM	/	/	/	64.164	64M2W7D
	256QAM	/	/	/	64.095	64M1W7D
	CP-QPSK	/	/	/	64.073	64M1G7D
80	PI/2 BPSK	/	/	/	77.095	77M1G7D
	QPSK	26.19	26.89	0.489	77.02	77M0G7D
	16QAM	/	/	/	77.113	77M1W7D
	64QAM	/	/	/	77.024	77M0W7D
	256QAM	/	/	/	77.078	77M1W7D
	CP-QPSK	/	/	/	77.085	77M1G7D
90	PI/2 BPSK	/	/	/	86.738	86M7G7D
	QPSK	26.18	26.88	0.488	86.589	86M6G7D
	16QAM	/	/	/	86.706	86M7W7D
	64QAM	/	/	/	86.635	86M6W7D
	256QAM	/	/	/	86.601	86M6W7D
	CP-QPSK	/	/	/	86.661	86M7G7D
100	PI/2 BPSK	26.28	26.98	0.499	96.309	96M3G7D
	QPSK	26.29	26.99	0.500	96.305	96M3G7D
	16QAM	25.11	25.81	0.381	96.288	96M3W7D
	64QAM	24.20	24.90	0.309	96.354	96M4W7D
	256QAM	23.00	23.70	0.234	96.315	96M3W7D
	CP-QPSK	/	/	/	96.376	96M4G7D



n41(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
20	PI/2 BPSK	/	/	/	/	/
	QPSK	23.62	24.32	0.270	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	23.93	24.63	0.290	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	23.66	24.36	0.273	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	23.90	24.60	0.288	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	23.84	24.54	0.284	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	23.79	24.49	0.281	/	/



	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	23.87	24.57	0.286	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	23.85	24.55	0.285	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
100	PI/2 BPSK	23.93	24.63	0.290	/	/
	QPSK	23.97	24.67	0.293	/	/
	16QAM	23.88	24.58	0.287	/	/
	64QAM	23.90	24.60	0.288	/	/
	256QAM	22.74	23.44	0.221	/	/
	CP-QPSK	/	/	/	/	/

n48						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5876	8M59G7D
	QPSK	23.97	21.27	0.134	8.5837	8M58G7D
	16QAM	/	/	/	8.6511	8M65W7D
	64QAM	/	/	/	8.5803	8M58W7D
	256QAM	/	/	/	8.6069	8M61W7D
	CP-QPSK	/	/	/	8.5753	8M58G7D
15	PI/2 BPSK	/	/	/	12.873	12M9G7D
	QPSK	24.11	21.41	0.138	12.873	12M9G7D
	16QAM	/	/	/	12.868	12M9W7D
	64QAM	/	/	/	12.868	12M9W7D



	256QAM	/	/	/	12.863	12M9W7D
	CP-QPSK	/	/	/	12.898	12M9G7D
20	PI/2 BPSK	/	/	/	17.833	17M8G7D
	QPSK	23.96	21.26	0.134	17.835	17M8G7D
	16QAM	/	/	/	17.885	17M9W7D
	64QAM	/	/	/	17.852	17M9W7D
	256QAM	/	/	/	17.825	17M8W7D
	CP-QPSK	/	/	/	17.839	17M8G7D
30	PI/2 BPSK	/	/	/	26.793	26M8G7D
	QPSK	24.09	21.39	0.138	26.775	26M8G7D
	16QAM	/	/	/	26.854	26M9W7D
	64QAM	/	/	/	26.844	26M8W7D
	256QAM	/	/	/	26.796	26M8W7D
	CP-QPSK	/	/	/	26.799	26M8G7D
40	PI/2 BPSK	24.10	21.40	0.138	35.775	35M8G7D
	QPSK	24.22	21.52	0.142	35.777	35M8G7D
	16QAM	22.75	20.05	0.101	35.827	35M8W7D
	64QAM	21.46	18.76	0.075	35.794	35M8W7D
	256QAM	19.20	16.50	0.045	35.776	35M8W7D
	CP-QPSK	/	/	/	35.782	35M8G7D

n66						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4849	4M48G7D
	QPSK	23.90	23.40	0.219	4.4842	4M48G7D
	16QAM	/	/	/	4.4859	4M49W7D
	64QAM	/	/	/	4.475	4M48W7D
	256QAM	/	/	/	4.4781	4M48W7D
	CP-QPSK	/	/	/	4.4758	4M48G7D
10	PI/2 BPSK	/	/	/	8.9242	8M92G7D
	QPSK	24.03	23.53	0.225	8.9205	8M92G7D
	16QAM	/	/	/	8.9503	8M95W7D
	64QAM	/	/	/	8.9237	8M92W7D
	256QAM	/	/	/	8.9289	8M93W7D
	CP-QPSK	/	/	/	9.2939	9M29G7D



15	PI/2 BPSK	/	/	/	13.416	13M4G7D
	QPSK	24.04	23.54	0.226	13.439	13M4G7D
	16QAM	/	/	/	13.432	13M4W7D
	64QAM	/	/	/	13.399	13M4W7D
	256QAM	/	/	/	13.444	13M4W7D
	CP-QPSK	/	/	/	14.114	14M1G7D
20	PI/2 BPSK	/	/	/	17.87	17M9G7D
	QPSK	23.90	23.40	0.219	17.903	17M9G7D
	16QAM	/	/	/	17.891	17M9W7D
	64QAM	/	/	/	17.888	17M9W7D
	256QAM	/	/	/	17.851	17M9W7D
	CP-QPSK	/	/	/	18.999	19M0G7D
30	PI/2 BPSK	/	/	/	28.632	28M6G7D
	QPSK	23.98	23.48	0.223	28.511	28M5G7D
	16QAM	/	/	/	28.583	28M6W7D
	64QAM	/	/	/	28.541	28M5W7D
	256QAM	/	/	/	28.565	28M6W7D
	CP-QPSK	/	/	/	28.547	28M6G7D
40	PI/2 BPSK	24.05	23.55	0.226	38.587	38M6G7D
	QPSK	24.07	23.57	0.228	38.612	38M6G7D
	16QAM	22.98	22.48	0.177	38.559	38M6W7D
	64QAM	21.24	20.74	0.119	38.529	38M5W7D
	256QAM	18.98	18.48	0.070	38.476	38M5W7D
	CP-QPSK	/	/	/	38.513	38M5G7D

n71						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	Emission Designator
5	PI/2 BPSK	/	/	/	4.4866	4M49G7D
	QPSK	23.92	18.67	0.074	4.498	4M50G7D
	16QAM	/	/	/	4.4835	4M48W7D
	64QAM	/	/	/	4.4753	4M48W7D
	256QAM	/	/	/	4.4819	4M48W7D
	CP-QPSK	/	/	/	4.4769	4M48G7D
10	PI/2 BPSK	/	/	/	8.9177	8M92G7D
	QPSK	23.96	18.71	0.074	8.9173	8M92G7D



	16QAM	/	/	/	8.9409	8M94W7D
	64QAM	/	/	/	8.9232	8M92W7D
	256QAM	/	/	/	8.9273	8M93W7D
	CP-QPSK	/	/	/	9.2855	9M29G7D
15	PI/2 BPSK	/	/	/	13.402	13M4G7D
	QPSK	24.06	18.81	0.076	13.423	13M4G7D
	16QAM	/	/	/	13.424	13M4W7D
	64QAM	/	/	/	13.389	13M4W7D
	256QAM	/	/	/	13.428	13M4W7D
	CP-QPSK	/	/	/	14.115	14M1G7D
20	PI/2 BPSK	24.05	18.80	0.076	17.867	17M9G7D
	QPSK	24.13	18.88	0.077	17.859	17M9G7D
	16QAM	23.10	17.85	0.061	17.88	17M9W7D
	64QAM	21.29	16.04	0.040	17.888	17M9W7D
	256QAM	19.11	13.86	0.024	17.848	17M9W7D
	CP-QPSK	/	/	/	18.914	18M9G7D
n77(3450-3550MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5845	8M58G7D
	QPSK	25.17	23.47	0.222	8.5971	8M60G7D
	16QAM	/	/	/	8.6247	8M62W7D
	64QAM	/	/	/	8.5815	8M58W7D
	256QAM	/	/	/	8.6052	8M61W7D
	CP-QPSK	/	/	/	8.5942	8M59G7D
15	PI/2 BPSK	/	/	/	12.858	12M9G7D
	QPSK	24.85	23.15	0.207	12.855	12M9G7D
	16QAM	/	/	/	12.893	12M9W7D
	64QAM	/	/	/	12.879	12M9W7D
	256QAM	/	/	/	12.871	12M9W7D
	CP-QPSK	/	/	/	12.874	12M9G7D
20	PI/2 BPSK	/	/	/	17.859	17M9G7D
	QPSK	24.91	23.21	0.209	17.845	17M9G7D
	16QAM	/	/	/	17.886	17M9W7D
	64QAM	/	/	/	17.862	17M9W7D
	256QAM	/	/	/	17.817	17M8W7D



	CP-QPSK	/	/	/	17.884	17M9G7D
30	PI/2 BPSK	/	/	/	26.777	26M8G7D
	QPSK	25.06	23.36	0.217	26.818	26M8G7D
	16QAM	/	/	/	26.84	26M8W7D
	64QAM	/	/	/	26.786	26M8W7D
	256QAM	/	/	/	26.874	26M9W7D
	CP-QPSK	/	/	/	26.819	26M8G7D
40	PI/2 BPSK	/	/	/	35.707	35M7G7D
	QPSK	25.07	23.37	0.217	35.76	35M8G7D
	16QAM	/	/	/	35.784	35M8W7D
	64QAM	/	/	/	35.752	35M8W7D
	256QAM	/	/	/	35.743	35M7W7D
	CP-QPSK	/	/	/	35.687	35M7G7D
50	PI/2 BPSK	/	/	/	45.709	45M7G7D
	QPSK	25.16	23.46	0.222	45.787	45M8G7D
	16QAM	/	/	/	45.863	45M9W7D
	64QAM	/	/	/	45.735	45M7W7D
	256QAM	/	/	/	45.732	45M7W7D
	CP-QPSK	/	/	/	45.718	45M7G7D
60	PI/2 BPSK	/	/	/	57.852	57M9G7D
	QPSK	24.94	23.24	0.211	57.81	57M8G7D
	16QAM	/	/	/	57.953	58M0W7D
	64QAM	/	/	/	57.96	58M0W7D
	256QAM	/	/	/	57.907	57M9W7D
	CP-QPSK	/	/	/	57.786	57M8G7D
70	PI/2 BPSK	/	/	/	64.281	64M3G7D
	QPSK	25.12	23.42	0.220	64.33	64M3G7D
	16QAM	/	/	/	64.216	64M2W7D
	64QAM	/	/	/	64.161	64M2W7D
	256QAM	/	/	/	64.226	64M2W7D
	CP-QPSK	/	/	/	64.26	64M3G7D
80	PI/2 BPSK	/	/	/	76.994	77M0G7D
	QPSK	25.13	23.43	0.220	77.09	77M1G7D
	16QAM	/	/	/	77.174	77M2W7D
	64QAM	/	/	/	77.131	77M1W7D
	256QAM	/	/	/	77.069	77M1W7D
	CP-QPSK	/	/	/	77.105	77M1G7D



90	PI/2 BPSK	/	/	/	86.711	86M7G7D
	QPSK	25.11	23.41	0.219	86.644	86M6G7D
	16QAM	/	/	/	86.741	86M7W7D
	64QAM	/	/	/	86.734	86M7W7D
	256QAM	/	/	/	86.724	86M7W7D
	CP-QPSK	/	/	/	86.734	86M7G7D
100	PI/2 BPSK	25.16	23.46	0.222	96.354	96M4G7D
	QPSK	25.19	23.49	0.223	96.28	96M3G7D
	16QAM	23.96	22.26	0.168	96.395	96M4W7D
	64QAM	23.09	21.39	0.138	96.242	96M2W7D
	256QAM	21.09	19.39	0.087	96.292	96M3W7D
	CP-QPSK	/	/	/	96.366	96M4G7D

n77(3700-3980MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5856	8M59G7D
	QPSK	24.83	23.13	0.206	8.5691	8M57G7D
	16QAM	/	/	/	8.5962	8M60W7D
	64QAM	/	/	/	8.5845	8M58W7D
	256QAM	/	/	/	8.5827	8M58W7D
	CP-QPSK	/	/	/	8.5808	8M58G7D
15	PI/2 BPSK	/	/	/	12.855	12M9G7D
	QPSK	24.81	23.11	0.205	12.855	12M9G7D
	16QAM	/	/	/	12.885	12M9W7D
	64QAM	/	/	/	12.875	12M9W7D
	256QAM	/	/	/	12.84	12M8W7D
	CP-QPSK	/	/	/	12.882	12M9G7D
20	PI/2 BPSK	/	/	/	17.84	17M8G7D
	QPSK	24.73	23.03	0.201	17.823	17M8G7D
	16QAM	/	/	/	17.892	17M9W7D
	64QAM	/	/	/	17.825	17M8W7D
	256QAM	/	/	/	17.842	17M8W7D
	CP-QPSK	/	/	/	17.878	17M9G7D
30	PI/2 BPSK	/	/	/	26.763	26M8G7D
	QPSK	24.88	23.18	0.208	26.844	26M8G7D



	16QAM	/	/	/	26.806	26M8W7D
	64QAM	/	/	/	26.792	26M8W7D
	256QAM	/	/	/	26.815	26M8W7D
	CP-QPSK	/	/	/	26.82	26M8G7D
40	PI/2 BPSK	/	/	/	35.752	35M8G7D
	QPSK	24.73	23.03	0.201	35.772	35M8G7D
	16QAM	/	/	/	35.831	35M8W7D
	64QAM	/	/	/	35.793	35M8W7D
	256QAM	/	/	/	35.776	35M8W7D
	CP-QPSK	/	/	/	35.705	35M7G7D
50	PI/2 BPSK	/	/	/	45.754	45M8G7D
	QPSK	24.93	23.23	0.210	45.745	45M8G7D
	16QAM	/	/	/	45.839	45M8W7D
	64QAM	/	/	/	45.771	45M8W7D
	256QAM	/	/	/	45.776	45M8W7D
	CP-QPSK	/	/	/	45.667	45M7G7D
60	PI/2 BPSK	/	/	/	57.878	57M9G7D
	QPSK	24.72	23.02	0.200	57.828	57M8G7D
	16QAM	/	/	/	57.809	57M8W7D
	64QAM	/	/	/	57.866	57M9W7D
	256QAM	/	/	/	57.954	58M0W7D
	CP-QPSK	/	/	/	57.729	57M7G7D
70	PI/2 BPSK	/	/	/	64.321	64M3G7D
	QPSK	24.93	23.23	0.210	64.183	64M2G7D
	16QAM	/	/	/	64.239	64M2W7D
	64QAM	/	/	/	64.266	64M3W7D
	256QAM	/	/	/	64.234	64M2W7D
	CP-QPSK	/	/	/	64.21	64M2G7D
80	PI/2 BPSK	/	/	/	77.072	77M1G7D
	QPSK	24.95	23.25	0.211	77.135	77M1G7D
	16QAM	/	/	/	77.202	77M2W7D
	64QAM	/	/	/	77.183	77M2W7D
	256QAM	/	/	/	77.065	77M1W7D
	CP-QPSK	/	/	/	77.136	77M1G7D
90	PI/2 BPSK	/	/	/	86.733	86M7G7D
	QPSK	24.85	23.15	0.207	86.66	86M7G7D
	16QAM	/	/	/	86.732	86M7W7D



	64QAM	/	/	/	86.792	86M8W7D
	256QAM	/	/	/	86.804	86M8W7D
	CP-QPSK	/	/	/	86.83	86M8G7D
100	PI/2 BPSK	24.95	23.25	0.211	96.388	96M4G7D
	QPSK	25.06	23.36	0.217	96.376	96M4G7D
	16QAM	23.83	22.13	0.163	96.43	96M4W7D
	64QAM	22.47	20.77	0.119	96.37	96M4W7D
	256QAM	20.25	18.55	0.072	96.367	96M4W7D
	CP-QPSK	/	/	/	96.524	96M5G7D

n77(3450-3550MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	/	/
	QPSK	24.14	22.44	0.175	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	24.17	22.47	0.177	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	24.18	22.48	0.177	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	24.16	22.46	0.176	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/



	CP-QPSK	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	24.16	22.46	0.176	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	24.19	22.49	0.177	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	24.16	22.46	0.176	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	24.15	22.45	0.176	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	24.20	22.50	0.178	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	24.14	22.44	0.175	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
	CP-QPSK	/	/	/	/	/



100	PI/2 BPSK	24.20	22.50	0.178	/	/
	QPSK	24.22	22.52	0.179	/	/
	16QAM	24.03	22.33	0.171	/	/
	64QAM	22.28	20.58	0.114	/	/
	256QAM	20.46	18.76	0.075	/	/
	CP-QPSK	/	/	/	/	/

n77(3700-3980MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	/	/
	QPSK	23.78	22.08	0.161	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	23.82	22.12	0.163	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	23.88	22.18	0.165	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	23.97	22.27	0.169	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	23.87	22.17	0.165	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/



	QPSK	24.03	22.33	0.171	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	23.96	22.26	0.168	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	24.03	22.33	0.171	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	24.10	22.40	0.174	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	24.15	22.45	0.176	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
100	PI/2 BPSK	24.20	22.50	0.178	/	/
	QPSK	24.24	22.54	0.179	/	/
	16QAM	24.04	22.34	0.171	/	/
	64QAM	22.42	20.72	0.118	/	/
	256QAM	20.56	18.86	0.077	/	/

n78(3450-3550MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5854	8M59G7D
	QPSK	26.15	23.65	0.232	8.6057	8M61G7D
	16QAM	/	/	/	8.6301	8M63W7D



	64QAM	/	/	/	8.6393	8M64W7D
	256QAM	/	/	/	8.5949	8M59W7D
15	PI/2 BPSK	/	/	/	12.871	12M9G7D
	QPSK	26.13	23.63	0.231	12.851	12M9G7D
	16QAM	/	/	/	12.883	12M9W7D
	64QAM	/	/	/	12.871	12M9W7D
	256QAM	/	/	/	12.866	12M9W7D
20	PI/2 BPSK	/	/	/	17.854	17M9G7D
	QPSK	26.11	23.61	0.230	17.828	17M8G7D
	16QAM	/	/	/	17.904	17M9W7D
	64QAM	/	/	/	17.845	17M9W7D
	256QAM	/	/	/	17.864	17M9W7D
30	PI/2 BPSK	/	/	/	26.795	26M8G7D
	QPSK	26.20	23.70	0.234	26.814	26M8G7D
	16QAM	/	/	/	26.869	26M9W7D
	64QAM	/	/	/	26.808	26M8W7D
	256QAM	/	/	/	26.857	26M9W7D
40	PI/2 BPSK	/	/	/	35.72	35M7G7D
	QPSK	26.14	23.64	0.231	35.785	35M8G7D
	16QAM	/	/	/	35.833	35M8W7D
	64QAM	/	/	/	35.844	35M8W7D
	256QAM	/	/	/	35.763	35M8W7D
50	PI/2 BPSK	/	/	/	45.772	45M8G7D
	QPSK	26.07	23.57	0.228	45.803	45M8G7D
	16QAM	/	/	/	45.804	45M8W7D
	64QAM	/	/	/	45.717	45M7W7D
	256QAM	/	/	/	45.79	45M8W7D
60	PI/2 BPSK	/	/	/	57.863	57M9G7D
	QPSK	26.10	23.60	0.229	57.973	58M0G7D
	16QAM	/	/	/	57.861	57M9W7D
	64QAM	/	/	/	57.882	57M9W7D
	256QAM	/	/	/	57.95	58M0W7D
70	PI/2 BPSK	/	/	/	64.232	64M2G7D
	QPSK	26.21	23.71	0.235	64.28	64M3G7D
	16QAM	/	/	/	64.176	64M2W7D
	64QAM	/	/	/	64.191	64M2W7D
	256QAM	/	/	/	64.21	64M2W7D



80	PI/2 BPSK	/	/	/	76.977	77M0G7D
	QPSK	26.22	23.72	0.236	77.122	77M1G7D
	16QAM	/	/	/	77.207	77M2W7D
	64QAM	/	/	/	77.131	77M1W7D
	256QAM	/	/	/	77.093	77M1W7D
90	PI/2 BPSK	/	/	/	86.699	86M7G7D
	QPSK	26.24	23.74	0.237	86.619	86M6G7D
	16QAM	/	/	/	86.691	86M7W7D
	64QAM	/	/	/	86.771	86M8W7D
	256QAM	/	/	/	86.745	86M8W7D
100	PI/2 BPSK	26.20	23.70	0.234	96.293	96M3G7D
	QPSK	26.25	23.75	0.237	96.373	96M4G7D
	16QAM	25.40	22.90	0.195	96.264	96M3W7D
	64QAM	23.64	21.14	0.130	96.273	96M3W7D
	256QAM	21.76	19.26	0.084	96.265	96M3W7D

n78(3700-3800MHz)(PC2)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	8.5668	8M57G7D
	QPSK	26.00	23.50	0.224	8.5801	8M58G7D
	16QAM	/	/	/	8.6233	8M62W7D
	64QAM	/	/	/	8.588	8M59W7D
	256QAM	/	/	/	8.5822	8M58W7D
15	PI/2 BPSK	/	/	/	12.872	12M9G7D
	QPSK	26.02	23.52	0.225	12.864	12M9G7D
	16QAM	/	/	/	12.903	12M9W7D
	64QAM	/	/	/	12.86	12M9W7D
	256QAM	/	/	/	12.861	12M9W7D
20	PI/2 BPSK	/	/	/	17.802	17M8G7D
	QPSK	25.93	23.43	0.220	17.826	17M8G7D
	16QAM	/	/	/	17.866	17M9W7D
	64QAM	/	/	/	17.82	17M8W7D
	256QAM	/	/	/	17.868	17M9W7D
30	PI/2 BPSK	/	/	/	26.789	26M8G7D
	QPSK	26.07	23.57	0.228	26.805	26M8G7D



	16QAM	/	/	/	26.849	26M9W7D
	64QAM	/	/	/	26.813	26M8W7D
	256QAM	/	/	/	26.827	26M8W7D
40	PI/2 BPSK	/	/	/	35.785	35M8G7D
	QPSK	26.00	23.50	0.224	35.773	35M8G7D
	16QAM	/	/	/	35.79	35M8W7D
	64QAM	/	/	/	35.812	35M8W7D
	256QAM	/	/	/	35.805	35M8W7D
50	PI/2 BPSK	/	/	/	45.77	45M8G7D
	QPSK	26.08	23.58	0.228	45.736	45M7G7D
	16QAM	/	/	/	45.807	45M8W7D
	64QAM	/	/	/	45.73	45M7W7D
	256QAM	/	/	/	45.735	45M7W7D
60	PI/2 BPSK	/	/	/	57.885	57M9G7D
	QPSK	25.89	23.39	0.218	57.88	57M9G7D
	16QAM	/	/	/	57.797	57M8W7D
	64QAM	/	/	/	57.887	57M9W7D
	256QAM	/	/	/	57.935	57M9W7D
70	PI/2 BPSK	/	/	/	64.286	64M3G7D
	QPSK	26.04	23.54	0.226	64.387	64M4G7D
	16QAM	/	/	/	64.258	64M3W7D
	64QAM	/	/	/	64.225	64M2W7D
	256QAM	/	/	/	64.216	64M2W7D
80	PI/2 BPSK	/	/	/	76.993	77M0G7D
	QPSK	26.04	23.54	0.226	77.163	77M2G7D
	16QAM	/	/	/	77.21	77M2W7D
	64QAM	/	/	/	77.158	77M2W7D
	256QAM	/	/	/	77.148	77M2W7D
90	PI/2 BPSK	/	/	/	86.723	86M7G7D
	QPSK	25.98	23.48	0.223	86.766	86M8G7D
	16QAM	/	/	/	86.819	86M8W7D
	64QAM	/	/	/	86.725	86M7W7D
	256QAM	/	/	/	86.652	86M7W7D
100	PI/2 BPSK	25.99	23.49	0.223	96.385	96M4G7D
	QPSK	26.08	23.58	0.228	96.14	96M1G7D
	16QAM	24.69	22.19	0.166	96.414	96M4W7D
	64QAM	23.29	20.79	0.120	96.479	96M5W7D



	256QAM	21.05	18.55	0.072	96.368	96M4W7D
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n78(3450-3550MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	/	/
	QPSK	24.16	21.66	0.147	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	24.19	21.69	0.148	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	24.03	21.53	0.142	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	24.20	21.70	0.148	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	24.13	21.63	0.146	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	24.11	21.61	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/



	QPSK	24.02	21.52	0.142	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	24.16	21.66	0.147	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	24.11	21.61	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
90	PI/2 BPSK	/	/	/	/	/
	QPSK	24.18	21.68	0.147	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
100	PI/2 BPSK	24.21	21.71	0.148	/	/
	QPSK	24.23	21.73	0.149	/	/
	16QAM	24.09	21.59	0.144	/	/
	64QAM	23.34	20.84	0.121	/	/
	256QAM	21.43	18.93	0.078	/	/

n78(3700-3800MHz)(PC3)						
Bandwidth (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	Emission Designator
10	PI/2 BPSK	/	/	/	/	/
	QPSK	24.05	21.55	0.143	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
15	PI/2 BPSK	/	/	/	/	/
	QPSK	24.10	21.60	0.145	/	/
	16QAM	/	/	/	/	/



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	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
20	PI/2 BPSK	/	/	/	/	/
	QPSK	24.15	21.65	0.146	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
30	PI/2 BPSK	/	/	/	/	/
	QPSK	24.11	21.61	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
40	PI/2 BPSK	/	/	/	/	/
	QPSK	24.12	21.62	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
50	PI/2 BPSK	/	/	/	/	/
	QPSK	24.12	21.62	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
60	PI/2 BPSK	/	/	/	/	/
	QPSK	24.04	21.54	0.143	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
70	PI/2 BPSK	/	/	/	/	/
	QPSK	24.03	21.53	0.142	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
80	PI/2 BPSK	/	/	/	/	/
	QPSK	24.03	21.53	0.142	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/



90	PI/2 BPSK	/	/	/	/	/
	QPSK	24.10	21.60	0.145	/	/
	16QAM	/	/	/	/	/
	64QAM	/	/	/	/	/
	256QAM	/	/	/	/	/
100	PI/2 BPSK	24.06	21.56	0.143	/	/
	QPSK	24.16	21.66	0.147	/	/
	16QAM	23.86	21.36	0.137	/	/
	64QAM	23.17	20.67	0.117	/	/
	256QAM	21.23	18.73	0.075	/	/

1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27, Part 90 and Part96 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services
5	47 CFR Part 90	Miscellaneous Wireless Communications Services
6	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

n2 & n25			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP ≤ 2 W	PASS
Peak-Average Ratio	§24.232(d)	Limit≤13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §24.238(a)(b)	Refer to section 2.6	PASS



Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)(b)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §24.235	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n5& n26(824-849MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §22.917(a)(b)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §22.355	$\leq \pm 2.5$ ppm	PASS

n7 & n38 & n41			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤ 2 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §27.53(m)(4)	Refer to section 2.6	PASS



Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)(4)	≤ -25 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	≤ -25 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

n12			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)(10)	ERP ≤ 3 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §27.53(g)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n26(814-824MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §90.635(b)	ERP ≤ 3 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §90.691(a)	Refer to section 2.6	PASS



Spurious Emission at Antenna Terminals	§2.1051, §90.691(a)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §90.691(a)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §90.543	No limit	N/A

n30			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(a)(3)	ERP ≤ 250 mW	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §27.53(a)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53	≤ -40 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53	≤ -40 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

n48			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §96.41(b)	Refer to section 2.1	PASS
Peak-Average Ratio	§96.39(g)	≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS
Band Edges Compliance	§2.1051, §96.41(e)	Refer to section 2.6	PASS



Spurious Emission at Antenna Terminals	§2.1051, §96.41(e)	≤ -40 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §96.41(e)	≤ -40 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

n66			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤ 1 W	PASS
Peak-Average Ratio	§27.50(d) (5)	Limit ≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(h)(1) §27.53(h)(3)(i)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)(1)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(h)(1)	≤ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n71			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)(10)	ERP ≤ 3 W	PASS
Peak-Average Ratio	N/A	N/A	N/A
Bandwidth	§2.1049	OBW: No limit EBW: No limit	PASS



Band Edges Compliance	§2.1051, §27.53(g)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(g)	≤ -13 dBm/1MHz	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

n77(3450~3550MHz) & n78(3450~3550MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(K)(3)	EIRP ≤ 1 W	PASS
Peak-Average Ratio	§27.50(K)(4)	≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §27.53(l)(2)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l)(2)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(l)(2)	≤ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

n77(3700~3980MHz) & n78(3700~3800MHz)			
Item	FCC Rule No.	Requirements	Result
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)(3)	EIRP ≤ 1 W	PASS
Peak-Average Ratio	§27.50(j)(4)	≤ 13 dB	PASS
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS



Band Edges Compliance	§2.1051, §27.53(n)(2)	Refer to section 2.6	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n)(2)	≤ -13 dBm/1MHz	PASS
Field Strength of Spurious Radiation	§2.1053, §27.53(m)(4)	≤ -13 dBm/1MHz.	PASS
Frequency Stability	§2.1055, §27.54	No limit	N/A

Remark: For the verdict, the "N/A" denotes "not applicable", the "N/T" denotes "not tested".

Test detailed items/section required by FCC rules and results are as below:

Test Item	Test Engineer	Result	Method Determination /Remark
Transmitter Conducted Output Power and ERP/EIRP	Li Huaijie	PASS	Nodeviation
Occupied Bandwidth	Li Huaijie	PASS	Nodeviation
Frequency Stability	Li Huaijie	PASS	Nodeviation
Peak to Average Radio	Li Huaijie	PASS	Nodeviation
Conducted Spurious Emissions	Li Huaijie	PASS	Nodeviation
Band Edge	Li Huaijie	PASS	Nodeviation
Radiated Spurious Emissions	Yang Lian	PASS	Nodeviation
Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016. Note 2: 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. Note 3: The declared of product specification for EUT presented in the report are provided by manufacturer and the test laboratory is not responsible for the accuracy of the information. Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.			

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15 - 35
Relative Humidity (%):	30 -60

2. Summary Test Results And Description

2.1. Transmitter Conducted Output Power

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for n2, n25, the ERP of Mobile and portable stations are limited to 2 watts EIRP.

According to FCC section 27.50 (d)(4) for n66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(5) for n5, n26(824-849MHz), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for n7, n38, n41, mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50(c)(10) for n12, n71, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

According to FCC section 90.635(b) for n26 (814-824MHz), the maximum output power of the transmitter for mobile stations is 100 watts.

According to FCC section 27.50 (a)(3)for n30, Mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 mill watts within any 1 megahertz of authorized bandwidth.

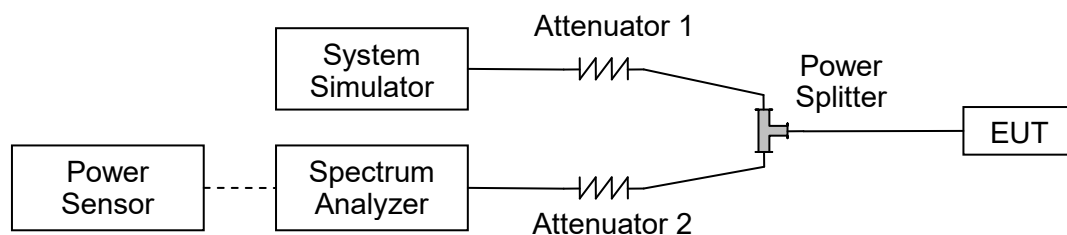
According to FCC section 96.41(b) for n48, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table as below. Paragraph

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD ¹	47	37

According to FCC section 27.50(j)(3) for n77(3700-3980MHz), n78(3700-3800MHz), mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(k)(3) for n77, n78(3450-3550MHz), Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

2.1.4. Conducted Output Power


Worse case:

n2 (PC3) (ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	24.19	24.19	24.07
20		1	53	24.20	24.15	24.05
20		1	104	24.13	24.08	24.12
20		50	1	23.61	23.60	23.43
20		50	25	24.17	24.19	24.14
20		50	50	23.56	23.38	23.48
20		100	0	23.68	23.56	23.54
20	DFT-s-OFDM QPSK	1	1	24.20	24.25	24.18
20		1	53	24.17	24.14	24.06
20		1	104	24.11	24.03	24.01
20		50	1	23.31	23.37	23.20
20		50	25	24.18	24.20	24.16
20		50	50	23.38	23.43	23.34
20		100	0	24.01	24.09	24.07
20	DFT-s-OFDM 16QAM	1	1	23.00	23.01	22.82
20	DFT-s-OFDM 64QAM	1	1	21.49	21.53	21.34
20	DFT-s-OFDM 256QAM	1	1	19.22	19.25	19.03
20	CP-OFDM QPSK	1	1	22.83	22.88	22.66
20	CP-OFDM 16QAM	1	1	22.15	22.21	22.04
20	CP-OFDM 64QAM	1	1	20.24	20.19	20.04
20	CP-OFDM 256QAM	1	1	17.14	17.17	17.05
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	24.19	24.14	24.05
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	24.15	24.18	24.01
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	24.16	24.03	23.86



n5 (PC3) (ANT1)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.85	23.84	23.88
20		1	53	23.89	23.84	23.86
20		1	104	23.85	23.83	23.87
20		50	1	23.26	23.24	23.27
20		50	25	23.91	23.91	23.88
20		50	50	23.25	23.27	23.23
20		100	0	23.45	23.41	23.32
20	DFT-s-OFDM QPSK	1	1	23.88	23.94	23.93
20		1	53	23.87	23.87	23.92
20		1	104	23.86	23.88	23.84
20		50	1	23.31	23.26	23.31
20		50	25	23.90	23.92	23.87
20		50	50	23.30	23.31	23.25
20		100	0	23.74	23.77	23.72
20	DFT-s-OFDM 16QAM	1	1	22.72	22.76	22.75
20	DFT-s-OFDM 64QAM	1	1	21.23	21.15	21.19
20	DFT-s-OFDM 256QAM	1	1	18.82	18.82	18.89
20	CP-OFDM QPSK	1	1	22.52	22.56	22.56
20	CP-OFDM 16QAM	1	1	21.81	21.83	21.77
20	CP-OFDM 64QAM	1	1	19.93	19.93	19.83
20	CP-OFDM 256QAM	1	1	16.86	16.83	16.81
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	23.91	23.92	23.91
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.90	23.87	23.80
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.84	23.75	23.71



n7(ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				504000	507000	510000
Frequency (MHz)				2520	2535	2550
40	DFT-s-OFDM PI/2 BPSK	1	1	24.10	24.12	24.01
40		1	80	23.85	23.97	23.97
40		1	158	24.05	24.08	24.05
40		80	1	23.31	23.47	23.41
40		80	40	23.95	24.08	24.01
40		80	80	23.42	23.41	23.42
40		160	0	23.44	23.54	23.53
40	DFT-s-OFDM QPSK	1	1	24.02	24.14	24.09
40		1	80	23.90	24.03	23.92
40		1	158	24.05	24.04	24.08
40		80	1	23.23	23.30	23.35
40		80	40	23.93	24.03	24.00
40		80	80	23.37	23.46	23.47
40		160	0	23.90	23.97	23.91
40	DFT-s-OFDM 16QAM	1	1	22.75	22.82	22.97
40	DFT-s-OFDM 64QAM	1	1	21.10	21.24	21.32
40	DFT-s-OFDM 256QAM	1	1	18.79	18.88	19.00
40	CP-OFDM QPSK	1	1	17.01	17.05	17.12
40	CP-OFDM 16QAM	1	1	21.77	21.95	21.93
40	CP-OFDM 64QAM	1	1	19.82	19.95	20.04
40	CP-OFDM 256QAM	1	1	16.88	16.97	17.00
Channel				503000	507000	511000
Frequency (MHz)				2515	2535	2555
30	DFT-s-OFDM QPSK	1	1	23.85	24.00	24.09
Channel				502500	507000	511500
Frequency (MHz)				2512.5	2535	2557.5
25	DFT-s-OFDM QPSK	1	1	23.92	24.06	24.06
Channel				502000	507000	512000
Frequency (MHz)				2510	2535	2560
20	DFT-s-OFDM QPSK	1	1	23.80	23.97	24.08
Channel				501500	507000	512500
Frequency (MHz)				2507.5	2535	2562.5
15	DFT-s-OFDM QPSK	1	1	23.83	24.04	23.98
Channel				501000	507000	513000
Frequency (MHz)				2505	2535	2565
10	DFT-s-OFDM QPSK	1	1	23.89	24.05	24.06



Channel				500500	507000	513500
Frequency (MHz)				2502.5	2535	2567.5
5	DFT-s-OFDM QPSK	1	1	23.75	23.97	24.08

n12 (PC3) (ANT1)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				141300	141500	141700
Frequency (MHz)				706.5	707.5	708.5
15	DFT-s-OFDM PI/2 BPSK	1	1	23.93	23.88	23.91
15		1	53	23.88	23.86	23.88
15		1	104	23.91	23.89	23.85
15		50	1	23.24	23.24	23.22
15		50	25	23.96	23.98	23.95
15		50	50	23.23	23.31	23.23
15		100	0	23.32	23.30	23.29
15	DFT-s-OFDM QPSK	1	1	23.69	23.90	23.75
15		1	53	23.92	24.04	23.94
15		1	104	23.89	23.88	23.86
15		50	1	23.29	23.29	23.23
15		50	25	23.99	24.01	23.97
15		50	50	23.36	23.44	23.32
15		100	0	23.94	23.94	23.89
15	DFT-s-OFDM 16QAM	1	1	22.82	22.79	22.86
15	DFT-s-OFDM 64QAM	1	1	21.00	21.10	21.06
15	DFT-s-OFDM 256QAM	1	1	18.85	18.82	18.83
15	CP-OFDM QPSK	1	1	22.45	22.48	22.48
15	CP-OFDM 16QAM	1	1	21.86	21.89	21.84
15	CP-OFDM 64QAM	1	1	19.80	19.78	19.80
15	CP-OFDM 256QAM	1	1	16.95	16.92	16.94
Channel				140800	141500	142200
Frequency (MHz)				704	707.5	711
10	DFT-s-OFDM QPSK	1	1	23.91	23.85	23.78
Channel				140300	141500	142700
Frequency (MHz)				701.5	707.5	713.5
5	DFT-s-OFDM QPSK	1	1	23.83	23.78	23.77



n25(ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				374000	376500	379000
Frequency (MHz)				1870	1882.5	1895
40	DFT-s-OFDM PI/2 BPSK	1	1	24.22	24.21	24.19
40		1	80	24.08	23.95	23.92
40		1	158	24.01	24.04	24.22
40		80	1	23.57	23.48	23.45
40		80	40	24.10	23.99	23.98
40		80	80	23.42	23.36	23.41
40		160	0	23.63	23.52	23.53
40	DFT-s-OFDM QPSK	1	1	24.26	24.21	24.16
40		1	80	24.03	23.90	23.85
40		1	158	24.01	24.04	23.68
40		80	1	23.38	23.30	23.21
40		80	40	24.19	24.11	24.13
40		80	80	23.35	23.33	23.25
40		160	0	24.17	24.03	24.07
40	DFT-s-OFDM 16QAM	1	1	23.04	23.04	22.96
40	DFT-s-OFDM 64QAM	1	1	21.45	21.38	21.33
40	DFT-s-OFDM 256QAM	1	1	19.15	19.14	19.09
40	CP-OFDM QPSK	1	1	22.83	22.84	22.79
40	CP-OFDM 16QAM	1	1	22.15	22.16	22.10
40	CP-OFDM 64QAM	1	1	20.22	20.19	20.14
40	CP-OFDM 256QAM	1	1	17.16	17.18	17.14
Channel				373000	376500	380000
Frequency (MHz)				1865	1882.5	1900
30	DFT-s-OFDM QPSK	1	1	24.21	24.10	23.97
Channel				372500	376500	380500
Frequency (MHz)				1862.5	1882.5	1902.5
25	DFT-s-OFDM QPSK	1	1	24.21	24.25	24.09
Channel				372000	376500	381000
Frequency (MHz)				1860	1882.5	1905
20	DFT-s-OFDM QPSK	1	1	24.18	24.09	23.95
Channel				371500	376500	381500
Frequency (MHz)				1857.5	1882.5	1907.5
15	DFT-s-OFDM QPSK	1	1	24.23	24.12	24.02
Channel				371000	376500	382000
Frequency (MHz)				1855	1882.5	1910
10	DFT-s-OFDM QPSK	1	1	24.24	24.03	23.94



Channel				370500	376500	382500
Frequency (MHz)				1852.5	1882.5	1912.5
5	DFT-s-OFDM QPSK	1	1	24.05	23.91	23.86

n26(814-824MHz)(ANT1)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	163800	/
Frequency (MHz)				/	819	/
10	DFT-s-OFDM PI/2 BPSK	1	1	/	24.00	/
10		1	53	/	23.99	/
10		1	104	/	23.96	/
10		50	1	/	23.41	/
10		50	25	/	24.04	/
10		50	50	/	23.44	/
10		100	0	/	23.43	/
10	DFT-s-OFDM QPSK	1	1	/	23.54	/
10		1	53	/	24.06	/
10		1	104	/	24.03	/
10		50	1	/	23.25	/
10		50	25	/	24.05	/
10		50	50	/	23.24	/
10		100	0	/	23.95	/
10	DFT-s-OFDM 16QAM	1	1	/	22.93	/
10	DFT-s-OFDM 64QAM	1	1	/	21.23	/
10	DFT-s-OFDM 256QAM	1	1	/	18.97	/
10	CP-OFDM QPSK	1	1	/	22.64	/
10	CP-OFDM 16QAM	1	1	/	21.96	/
10	CP-OFDM 64QAM	1	1	/	19.99	/
10	CP-OFDM 256QAM	1	1	/	17.03	/
Channel				163300	163800	164300
Frequency (MHz)				816.5	819	821.5
5	DFT-s-OFDM QPSK	1	1	23.87	23.86	23.90



n26(824-849MHz)(ANT1)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.96	23.96	24.00
20		1	53	23.95	23.99	23.92
20		1	104	23.96	23.91	23.90
20		50	1	23.37	23.34	23.39
20		50	25	24.01	24.00	23.95
20		50	50	23.31	23.29	23.40
20		100	0	23.52	23.50	23.44
20	DFT-s-OFDM QPSK	1	1	24.05	24.02	24.00
20		1	53	23.93	23.91	23.97
20		1	104	23.95	23.94	23.87
20		50	1	23.27	23.27	23.31
20		50	25	24.01	23.95	23.95
20		50	50	23.24	23.20	23.27
20		100	0	23.95	23.90	23.88
20	DFT-s-OFDM 16QAM	1	1	23.01	22.79	22.79
20	DFT-s-OFDM 64QAM	1	1	21.27	21.13	21.21
20	DFT-s-OFDM 256QAM	1	1	18.85	18.89	18.97
20	CP-OFDM QPSK	1	1	22.56	22.50	22.53
20	CP-OFDM 16QAM	1	1	21.87	21.85	21.81
20	CP-OFDM 64QAM	1	1	19.97	19.97	19.91
20	CP-OFDM 256QAM	1	1	16.90	16.91	16.86
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	24.00	23.99	23.95
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	24.04	23.86	23.87
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.93	23.76	23.76



n30 (ANT4)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	462000	/
Frequency (MHz)				/	2310	/
10	DFT-s-OFDM PI/2 BPSK	1	1	/	22.85	/
10		1	53	/	23.00	/
10		1	104	/	22.96	/
10		50	1	/	22.34	/
10		50	25	/	23.01	/
10		50	50	/	22.44	/
10		100	0	/	22.74	/
10	DFT-s-OFDM QPSK	1	1	/	22.74	/
10		1	53	/	23.03	/
10		1	104	/	22.65	/
10		50	1	/	22.22	/
10		50	25	/	22.99	/
10		50	50	/	22.40	/
10		100	0	/	22.83	/
10	DFT-s-OFDM 16QAM	1	1	/	21.76	/
10	DFT-s-OFDM 64QAM	1	1	/	20.12	/
10	DFT-s-OFDM 256QAM	1	1	/	17.97	/
10	CP-OFDM QPSK	1	1	/	21.38	/
10	CP-OFDM 16QAM	1	1	/	20.77	/
10	CP-OFDM 64QAM	1	1	/	18.92	/
10	CP-OFDM 256QAM	1	1	/	15.93	/
Channel				461500	462000	462500
Frequency (MHz)				2307.5	2310	2312.5
5	DFT-s-OFDM QPSK	1	1	22.61	22.89	22.90

n38 (ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				518000	519000	520000
Frequency (MHz)				2590	2595	2600
40	DFT-s-OFDM PI/2 BPSK	1	1	24.04	24.16	24.16
40		1	53	23.89	23.86	23.85
40		1	104	23.85	23.86	23.87
40		50	1	23.53	23.53	23.51
40		50	25	24.09	24.02	24.06
40		50	50	23.37	23.36	23.36



40		100	0	23.61	23.59	23.53
40		1	1	24.15	24.19	24.22
40		1	53	23.86	23.86	23.82
40		1	104	23.86	23.84	23.85
40	DFT-s-OFDM QPSK	50	1	23.36	23.31	23.33
40		50	25	24.08	24.04	24.11
40		50	50	23.42	23.38	23.40
40		100	0	23.93	23.90	23.97
40	DFT-s-OFDM 16QAM	1	1	22.75	22.86	23.00
40	DFT-s-OFDM 64QAM	1	1	21.36	21.39	21.49
40	DFT-s-OFDM 256QAM	1	1	19.19	19.19	19.31
40	CP-OFDM QPSK	1	1	22.66	22.73	22.72
40	CP-OFDM 16QAM	1	1	22.04	22.14	22.13
40	CP-OFDM 64QAM	1	1	20.02	20.15	20.19
40	CP-OFDM 256QAM	1	1	17.18	17.23	17.07
Channel				517000	519000	521000
Frequency (MHz)				2585	2595	2605
30	DFT-s-OFDM QPSK	1	1	24.10	24.20	24.15
Channel				516000	519000	522000
Frequency (MHz)				2580	2595	2610
20	DFT-s-OFDM QPSK	1	1	23.99	24.11	24.05
Channel				515500	519000	522500
Frequency (MHz)				2577.5	2595	2612.5
15	DFT-s-OFDM QPSK	1	1	24.01	24.01	23.98
Channel				515000	519000	523000
Frequency (MHz)				2575	2595	2615
10	DFT-s-OFDM QPSK	1	1	24.04	24.04	23.99

n41(ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	25.86	26.04	26.19
100		1	136	26.02	26.17	26.10
100		1	271	26.26	26.23	26.03
100		135	1	25.28	25.32	25.40
100		135	67	26.04	26.28	26.10
100		135	136	25.34	25.40	25.30
100		270	0	25.22	25.44	25.35
100	DFT-s-OFDM QPSK	1	1	25.85	25.96	26.22



100		1	136	26.13	26.29	26.22
100		1	271	26.25	26.22	25.39
100		135	1	25.28	25.34	25.41
100		135	67	25.91	26.12	26.01
100		135	136	25.34	25.38	25.24
100		270	0	25.81	26.02	25.97
100	DFT-s-OFDM 16QAM	1	1	24.58	24.87	25.11
100	DFT-s-OFDM 64QAM	1	1	23.42	23.99	24.20
100	DFT-s-OFDM 256QAM	1	1	21.69	22.86	23.00
100	CP-OFDM QPSK	1	1	24.28	25.21	25.31
100	CP-OFDM 16QAM	1	1	23.79	24.61	24.87
100	CP-OFDM 64QAM	1	1	22.95	23.64	23.77
100	CP-OFDM 256QAM	1	1	20.20	20.19	20.33
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	25.69	26.09	26.18
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	25.74	26.12	26.19
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	25.66	26.13	26.14
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	25.58	26.07	26.11
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	25.93	26.25	26.16
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	25.76	26.01	25.91
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	25.90	26.15	25.93
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	25.74	26.02	25.75



n41(ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	23.60	23.74	23.93
100		1	136	23.67	23.84	23.74
100		1	271	23.91	23.75	23.64
100		135	1	23.65	23.80	23.82
100		135	67	23.76	23.93	23.75
100		135	136	23.87	23.83	23.56
100		270	0	23.73	23.90	23.83
100	DFT-s-OFDM QPSK	1	1	23.58	23.71	23.90
100		1	136	23.82	23.97	23.78
100		1	271	23.88	23.78	23.76
100		135	1	23.56	23.81	23.83
100		135	67	23.85	23.95	23.86
100		135	136	23.92	23.77	23.74
100		270	0	23.67	23.89	23.82
100	DFT-s-OFDM 16QAM	1	1	23.54	23.62	23.88
100	DFT-s-OFDM 64QAM	1	1	23.58	23.73	23.90
100	DFT-s-OFDM 256QAM	1	1	22.03	22.55	22.74
100	CP-OFDM QPSK	1	1	23.68	23.89	23.90
100	CP-OFDM 16QAM	1	1	23.68	23.86	23.90
100	CP-OFDM 64QAM	1	1	23.08	23.36	23.53
100	CP-OFDM 256QAM	1	1	19.94	20.05	20.25
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	23.64	23.64	23.85
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	23.69	23.80	23.87
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	23.64	23.79	23.72
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	23.56	23.84	23.77
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	23.73	23.90	23.80



Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670
40	DFT-s-OFDM QPSK	1	1	23.52	23.66	23.50
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	23.62	23.93	23.55
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	23.45	23.62	23.52

n48 (PC3) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				638000	641666	645332
Frequency (MHz)				3570	3624.99	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	23.61	23.96	23.96
40		1	53	23.69	23.89	24.00
40		1	104	23.87	24.08	24.10
40		50	1	23.25	23.36	23.23
40		50	25	23.08	23.28	23.44
40		50	50	23.27	23.24	23.29
40		100	0	23.21	23.20	23.27
40	DFT-s-OFDM QPSK	1	1	24.16	24.22	24.20
40		1	53	23.56	23.79	23.92
40		1	104	23.86	24.04	24.07
40		50	1	23.31	23.25	23.32
40		50	25	24.08	24.15	24.12
40		50	50	23.28	23.35	23.28
40		100	0	23.96	24.05	24.01
40	DFT-s-OFDM 16QAM	1	1	22.40	22.75	22.75
40	DFT-s-OFDM 64QAM	1	1	20.96	21.46	21.31
40	DFT-s-OFDM 256QAM	1	1	18.75	19.20	19.12
40	CP-OFDM QPSK	1	1	22.08	22.46	22.45
40	CP-OFDM 16QAM	1	1	21.48	21.85	21.84
40	CP-OFDM 64QAM	1	1	19.59	19.98	19.96
40	CP-OFDM 256QAM	1	1	16.81	17.21	17.17
Channel				637668	641666	645666
Frequency (MHz)				3565.02	3624.99	3684.99
30	DFT-s-OFDM QPSK	1	1	23.64	24.09	24.02
Channel				637334	641666	646000
Frequency (MHz)				3560.01	3624.99	3690



20	DFT-s-OFDM QPSK	1	1	23.88	23.71	23.96
Channel				637168	641666	646166
Frequency (MHz)				3557.52	3624.99	3692.49
15	DFT-s-OFDM QPSK	1	1	23.84	24.11	23.90
Channel				637000	641666	646332
Frequency (MHz)				3555	3624.99	3694.98
10	DFT-s-OFDM QPSK	1	1	23.96	23.64	23.97

n66 (PC3)(ANT5)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
40	DFT-s-OFDM PI/2 BPSK	1	1	23.96	24.05	24.02
40		1	80	23.90	23.82	23.71
40		1	158	23.89	23.85	23.81
40		80	1	23.42	23.40	23.32
40		80	40	24.00	23.96	23.82
40		80	80	23.41	23.31	23.29
40		160	0	23.40	23.46	23.35
40	DFT-s-OFDM QPSK	1	1	24.07	24.02	24.05
40		1	80	23.87	23.83	23.61
40		1	158	23.98	23.79	23.75
40		80	1	23.32	23.31	23.29
40		80	40	24.00	23.94	23.99
40		80	80	23.33	23.33	23.24
40		160	0	23.92	23.88	23.87
40	DFT-s-OFDM 16QAM	1	1	22.98	22.91	22.98
40	DFT-s-OFDM 64QAM	1	1	21.23	21.18	21.24
40	DFT-s-OFDM 256QAM	1	1	18.84	18.93	18.98
40	CP-OFDM QPSK	1	1	22.65	22.65	22.50
40	CP-OFDM 16QAM	1	1	21.91	21.81	21.81
40	CP-OFDM 64QAM	1	1	19.89	19.90	19.89
40	CP-OFDM 256QAM	1	1	17.01	17.01	16.89
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.96	23.98	23.89
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.90	23.85	23.81
Channel				343500	349000	354500



Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	24.04	23.99	23.88
Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	23.99	24.03	23.82
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	23.85	23.90	23.74

n71 (ANT1)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	DFT-s-OFDM PI/2 BPSK	1	1	23.36	23.39	23.48
20		1	53	23.41	23.49	23.41
20		1	104	23.46	23.38	23.39
20		50	1	23.25	23.36	23.41
20		50	25	23.84	24.05	23.93
20		50	50	23.35	23.36	23.25
20		100	0	23.37	23.43	23.44
20	DFT-s-OFDM QPSK	1	1	22.96	23.96	24.03
20		1	53	23.96	24.13	23.95
20		1	104	24.05	23.95	23.92
20		50	1	23.28	23.40	23.48
20		50	25	23.94	24.10	24.06
20		50	50	23.40	23.44	23.35
20		100	0	23.90	24.00	23.93
20	DFT-s-OFDM 16QAM	1	1	22.86	22.92	23.10
20	DFT-s-OFDM 64QAM	1	1	21.18	21.17	21.29
20	DFT-s-OFDM 256QAM	1	1	18.88	18.97	19.11
20	CP-OFDM QPSK	1	1	22.23	22.54	22.65
20	CP-OFDM 16QAM	1	1	21.68	21.89	22.01
20	CP-OFDM 64QAM	1	1	19.76	19.95	20.10
20	CP-OFDM 256QAM	1	1	16.88	17.01	17.13
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM QPSK	1	1	23.07	24.00	24.06
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM QPSK	1	1	23.31	23.94	23.96



Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM QPSK	1	1	23.78	23.92	23.90

n77(3450-3550MHz) (PC2)(ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	25.16	/
100		1	136	/	25.10	/
100		1	271	/	24.76	/
100		135	1	/	24.79	/
100		135	67	/	25.15	/
100		135	136	/	24.39	/
100		270	0	/	24.64	/
100	DFT-s-OFDM QPSK	1	1	/	25.19	/
100		1	136	/	25.06	/
100		1	271	/	24.73	/
100		135	1	/	24.44	/
100		135	67	/	25.10	/
100		135	136	/	24.49	/
100		270	0	/	25.01	/
100	DFT-s-OFDM 16QAM	1	1	/	23.96	/
100	DFT-s-OFDM 64QAM	1	1	/	23.09	/
100	DFT-s-OFDM 256QAM	1	1	/	21.09	/
100	CP-OFDM QPSK	1	1	/	24.12	/
100	CP-OFDM 16QAM	1	1	/	23.48	/
100	CP-OFDM 64QAM	1	1	/	21.51	/
100	CP-OFDM 256QAM	1	1	/	18.75	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	25.11	25.08	25.10
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	25.13	25.07	25.01
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	25.12	25.09	24.92
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99



60	DFT-s-OFDM QPSK	1	1	24.94	24.80	24.78
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	25.16	25.07	24.94
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	25.07	24.84	24.73
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	25.06	24.95	24.75
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	24.91	24.76	24.72
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	24.85	24.82	24.79
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	25.12	25.17	24.80

n77(3700-3980MHz) (PC2) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	24.65	24.89	24.71
100		1	136	24.81	24.93	24.33
100		1	271	24.84	24.73	24.95
100		135	1	24.53	24.36	24.23
100		135	67	24.81	24.92	24.38
100		135	136	24.39	24.30	24.33
100		270	0	24.35	24.45	24.22
100	DFT-s-OFDM QPSK	1	1	24.85	25.06	24.94
100		1	136	24.82	24.87	24.47
100		1	271	24.84	24.70	24.96
100		135	1	24.26	24.45	24.39
100		135	67	24.91	24.93	24.89
100		135	136	24.45	24.41	24.34
100		270	0	24.86	24.92	24.68
100	DFT-s-OFDM 16QAM	1	1	23.66	23.83	23.70
100	DFT-s-OFDM 64QAM	1	1	22.17	22.47	22.41
100	DFT-s-OFDM	1	1	19.96	20.25	20.12



	256QAM					
100	CP-OFDM QPSK	1	1	23.52	23.62	23.44
100	CP-OFDM 16QAM	1	1	22.71	23.07	22.97
100	CP-OFDM 64QAM	1	1	20.75	21.07	20.97
100	CP-OFDM 256QAM	1	1	18.00	18.31	18.34
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	24.69	24.85	24.67
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	24.76	24.95	24.58
Channel				649000	656000	663000
Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	24.72	24.93	24.50
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	24.56	24.72	24.24
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	24.80	24.93	24.15
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	24.68	24.73	24.26
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	24.74	24.88	24.41
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	24.62	24.73	24.56
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	24.66	24.81	24.62
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	24.68	24.83	24.83

n77(3450-3550MHz) (PC3) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	24.12	/
100		1	136	/	24.11	/
100		1	271	/	24.17	/



100		135	1	/	24.17	/
100		135	67	/	24.09	/
100		135	136	/	24.19	/
100		270	0	/	24.20	/
100	DFT-s-OFDM QPSK	1	1	/	24.22	/
100		1	136	/	24.11	/
100		1	271	/	24.16	/
100		135	1	/	24.05	/
100		135	67	/	24.16	/
100		135	136	/	24.04	/
100		270	0	/	24.14	/
100	DFT-s-OFDM 16QAM	1	1	/	24.03	/
100	DFT-s-OFDM 64QAM	1	1	/	22.28	/
100	DFT-s-OFDM 256QAM	1	1	/	20.46	/
100	CP-OFDM QPSK	1	1	/	23.70	/
100	CP-OFDM 16QAM	1	1	/	23.16	/
100	CP-OFDM 64QAM	1	1	/	21.44	/
100	CP-OFDM 256QAM	1	1	/	18.56	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	24.00	24.06	24.14
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	24.20	24.16	24.07
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	24.12	24.15	24.14
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	24.05	24.11	24.16
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	24.19	24.11	24.11
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	24.12	24.16	24.16
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	24.13	24.15	24.16
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540



20	DFT-s-OFDM QPSK	1	1	24.00	24.13	24.18
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	23.98	24.15	24.17
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	23.96	24.07	24.14

n77(3700-3980MHz) (PC3) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	24.07	24.15	24.20
100		1	136	24.02	24.05	24.10
100		1	271	24.01	24.11	24.10
100		135	1	23.96	24.01	24.12
100		135	67	23.96	24.00	24.10
100		135	136	24.01	24.05	24.06
100		270	0	23.99	24.10	24.14
100	DFT-s-OFDM QPSK	1	1	24.06	24.24	24.19
100		1	136	23.94	23.93	24.03
100		1	271	24.16	24.20	24.13
100		135	1	23.95	23.98	24.09
100		135	67	24.10	24.16	24.01
100		135	136	23.96	23.94	24.03
100		270	0	24.05	24.06	24.16
100	DFT-s-OFDM 16QAM	1	1	23.83	23.99	24.04
100	DFT-s-OFDM 64QAM	1	1	22.17	22.39	22.42
100	DFT-s-OFDM 256QAM	1	1	20.24	20.51	20.56
100	CP-OFDM QPSK	1	1	23.61	22.81	22.84
100	CP-OFDM 16QAM	1	1	22.91	23.14	23.20
100	CP-OFDM 64QAM	1	1	21.37	21.56	21.67
100	CP-OFDM 256QAM	1	1	18.32	18.59	18.66
Channel				649666	656000	662332
Frequency (MHz)				3744.99	3840	3934.98
90	DFT-s-OFDM QPSK	1	1	24.01	23.96	24.15
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.93	23.93	24.10
Channel				649000	656000	663000



Frequency (MHz)				3735	3840	3945
70	DFT-s-OFDM QPSK	1	1	23.83	23.95	24.03
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.76	23.80	23.96
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	DFT-s-OFDM QPSK	1	1	23.86	24.01	24.03
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.87	23.85	23.83
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.97	23.96	23.92
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.88	23.72	23.77
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	DFT-s-OFDM QPSK	1	1	23.82	23.81	23.82
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	DFT-s-OFDM QPSK	1	1	23.78	23.78	23.75

n78(3450-3550MHz)(PC2)(ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.20	/
100		1	136	/	26.18	/
100		1	271	/	25.81	/
100		135	1	/	25.82	/
100		135	67	/	26.18	/
100		135	136	/	25.21	/
100		270	0	/	25.71	/
100	DFT-s-OFDM QPSK	1	1	/	26.25	/
100		1	136	/	26.10	/
100		1	271	/	25.79	/
100		135	1	/	25.31	/
100		135	67	/	26.12	/
100		135	136	/	25.22	/
100		270	0	/	25.20	/
100	DFT-s-OFDM	1	1	/	25.40	/



	16QAM					
100	DFT-s-OFDM 64QAM	1	1	/	23.64	/
100	DFT-s-OFDM 256QAM	1	1	/	21.76	/
100	CP-OFDM QPSK	1	1	/	25.16	/
100	CP-OFDM 16QAM	1	1	/	24.57	/
100	CP-OFDM 64QAM	1	1	/	22.66	/
100	CP-OFDM 256QAM	1	1	/	19.85	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.24	26.18	26.23
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.20	26.22	26.12
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.21	26.20	26.11
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.10	26.03	25.87
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.07	26.03	26.05
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.14	25.87	25.65
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.20	26.04	25.48
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.11	25.99	25.50
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	26.13	25.96	25.44
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	26.15	26.02	25.65

n78(3700-3800MHz)(PC2) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
	Channel			/	650000	/



Frequency (MHz)				/	3750.00	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	25.92	/
100		1	136	/	25.93	/
100		1	271	/	25.99	/
100		135	1	/	25.65	/
100		135	67	/	25.95	/
100		135	136	/	25.33	/
100		270	0	/	25.50	/
100	DFT-s-OFDM QPSK	1	1	/	26.08	/
100		1	136	/	25.96	/
100		1	271	/	26.01	/
100		135	1	/	25.47	/
100		135	67	/	25.92	/
100		135	136	/	25.31	/
100		270	0	/	25.88	/
100	DFT-s-OFDM 16QAM	1	1	/	24.69	/
100	DFT-s-OFDM 64QAM	1	1	/	23.29	/
100	DFT-s-OFDM 256QAM	1	1	/	21.05	/
100	CP-OFDM QPSK	1	1	/	24.48	/
100	CP-OFDM 16QAM	1	1	/	23.91	/
100	CP-OFDM 64QAM	1	1	/	22.52	/
100	CP-OFDM 256QAM	1	1	/	19.13	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	25.81	25.89	25.98
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	25.90	25.97	26.04
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	25.85	26.04	26.01
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	25.68	25.89	25.85
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	25.90	26.08	26.01
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	25.77	26.00	25.87
Channel				647668	650000	652332



Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	25.80	26.07	25.83
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	25.68	25.93	25.62
Channel				647168	650000	652832
Frequency (MHz)				3707.52	3750	3792.48
15	DFT-s-OFDM QPSK	1	1	25.76	26.02	25.72
Channel				647000	650000	653000
Frequency (MHz)				3705	3750	3795
10	DFT-s-OFDM QPSK	1	1	25.79	26.00	25.87

n78(3450-3550MHz)(PC2) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	24.15	/
100		1	136	/	24.08	/
100		1	271	/	24.12	/
100		135	1	/	24.10	/
100		135	67	/	24.21	/
100		135	136	/	20.30	/
100		270	0	/	24.17	/
100	DFT-s-OFDM QPSK	1	1	/	24.23	/
100		1	136	/	24.03	/
100		1	271	/	24.13	/
100		135	1	/	24.07	/
100		135	67	/	24.16	/
100		135	136	/	24.06	/
100		270	0	/	24.09	/
100	DFT-s-OFDM 16QAM	1	1	/	24.09	/
100	DFT-s-OFDM 64QAM	1	1	/	23.34	/
100	DFT-s-OFDM 256QAM	1	1	/	21.43	/
100	CP-OFDM QPSK	1	1	/	24.19	/
100	CP-OFDM 16QAM	1	1	/	23.03	/
100	CP-OFDM 64QAM	1	1	/	24.07	/
100	CP-OFDM 256QAM	1	1	/	19.61	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	24.05	24.12	24.18



Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	24.04	24.05	24.11
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.95	24.10	24.16
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.95	23.97	24.02
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.91	24.11	24.09
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.92	23.96	24.13
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.96	24.20	24.11
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.86	24.00	24.03
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	23.76	24.03	24.19
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	23.75	24.10	24.16

n78(3700-3800MHz)(PC3) (ANT8)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750.00	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	24.05	/
100		1	136	/	24.01	/
100		1	271	/	24.00	/
100		135	1	/	24.06	/
100		135	67	/	23.99	/
100		135	136	/	23.99	/
100		270	0	/	24.02	/
100	DFT-s-OFDM QPSK	1	1	/	24.16	/
100		1	136	/	24.00	/
100		1	271	/	24.02	/
100		135	1	/	24.04	/



100		135	67	/	23.93	/
100		135	136	/	23.02	/
100		270	0	/	24.02	/
100	DFT-s-OFDM 16QAM	1	1	/	23.86	/
100	DFT-s-OFDM 64QAM	1	1	/	23.17	/
100	DFT-s-OFDM 256QAM	1	1	/	21.23	/
100	CP-OFDM QPSK	1	1	/	23.10	/
100	CP-OFDM 16QAM	1	1	/	24.01	/
100	CP-OFDM 64QAM	1	1	/	22.35	/
100	CP-OFDM 256QAM	1	1	/	19.42	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	23.91	24.05	24.10
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	23.94	24.02	24.03
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	23.94	24.02	24.03
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	24.03	23.89	24.04
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	24.12	24.12	24.12
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	24.12	24.09	24.06
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	24.11	24.10	24.06
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	24.02	24.15	24.15
Channel				647168	650000	652832
Frequency (MHz)				3707.52	3750	3792.48
15	DFT-s-OFDM QPSK	1	1	24.07	24.10	24.09
Channel				647000	650000	653000
Frequency (MHz)				3705	3750	3795
10	DFT-s-OFDM QPSK	1	1	24.01	24.05	24.02



B7_n2 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				372000	376000	380000
Frequency (MHz)				1860	1880	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	23.94	23.80	23.78
20		1	53	23.90	23.76	23.75
20		1	104	23.86	23.65	23.81
20		50	1	23.41	23.31	23.26
20		50	25	23.96	23.62	23.78
20		50	50	23.40	23.06	23.29
20		100	0	23.40	23.22	23.28
20	DFT-s-OFDM QPSK	1	1	23.98	24.00	23.83
20		1	53	23.80	23.78	23.83
20		1	104	23.88	23.63	23.88
20		50	1	22.96	22.74	22.73
20		50	25	23.85	23.65	23.69
20		50	50	22.90	22.71	22.70
20		100	0	22.92	22.72	22.79
20	DFT-s-OFDM 16QAM	1	1	23.13	22.97	22.88
20	DFT-s-OFDM 64QAM	1	1	21.56	21.47	21.39
20	DFT-s-OFDM 256QAM	1	1	19.26	19.12	19.12
20	CP-OFDM QPSK	1	1	22.60	22.46	22.44
20	CP-OFDM 16QAM	1	1	21.94	21.86	21.78
20	CP-OFDM 64QAM	1	1	20.53	20.37	20.34
20	CP-OFDM 256QAM	1	1	17.23	17.07	17.07
Channel				371500	376000	380500
Frequency (MHz)				1857.5	1880	1902.5
15	DFT-s-OFDM QPSK	1	1	23.92	23.76	23.74
Channel				371000	376000	381000
Frequency (MHz)				1855	1880	1905
10	DFT-s-OFDM QPSK	1	1	23.98	23.81	23.64
Channel				370500	376000	381500
Frequency (MHz)				1852.5	1880	1907.5
5	DFT-s-OFDM QPSK	1	1	23.54	23.51	23.36



B66_n5 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				166800	167300	167800
Frequency (MHz)				834	836.5	839
20	DFT-s-OFDM PI/2 BPSK	1	1	23.93	23.98	23.94
20		1	53	24.00	23.95	23.98
20		1	104	23.98	23.93	23.91
20		50	1	23.44	23.44	23.41
20		50	25	24.03	23.86	23.94
20		50	50	23.40	23.44	23.38
20		100	0	23.61	23.51	23.58
20		1	1	23.99	24.05	24.00
20	DFT-s-OFDM QPSK	1	53	24.04	23.97	24.00
20		1	104	23.86	23.94	23.98
20		50	1	23.00	23.01	22.99
20		50	25	23.88	23.91	23.94
20		50	50	22.99	22.91	22.91
20		100	0	23.16	23.04	23.05
20		1	1	23.23	23.17	23.21
20	DFT-s-OFDM 16QAM	1	1	21.66	21.66	21.59
20	DFT-s-OFDM 64QAM	1	1	19.42	19.43	19.42
20	DFT-s-OFDM 256QAM	1	1	22.76	22.74	22.75
20	CP-OFDM QPSK	1	1	22.09	22.11	22.07
20	CP-OFDM 16QAM	1	1	20.58	20.58	20.58
20	CP-OFDM 64QAM	1	1	17.41	17.38	17.37
Channel				166300	167300	168300
Frequency (MHz)				831.5	836.5	841.5
15	DFT-s-OFDM QPSK	1	1	24.08	24.02	24.05
Channel				165800	167300	168800
Frequency (MHz)				829	836.5	844
10	DFT-s-OFDM QPSK	1	1	23.96	23.84	23.83
Channel				165300	167300	169300
Frequency (MHz)				826.5	836.5	846.5
5	DFT-s-OFDM QPSK	1	1	23.85	23.77	23.83



B2_n7 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				504000	507000	510000
Frequency (MHz)				2520	2535	2550
40	DFT-s-OFDM PI/2 BPSK	1	1	22.89	22.78	22.95
40		1	108	22.77	22.92	22.94
40		1	214	23.01	23.14	23.15
40		108	1	22.19	22.30	22.43
40		108	54	22.87	23.01	23.06
40		108	108	22.40	22.37	22.52
40		216	0	22.39	22.46	22.57
40	DFT-s-OFDM QPSK	1	1	23.54	23.79	24.05
40		1	108	23.65	23.78	23.83
40		1	214	23.98	23.96	23.93
40		108	1	22.78	22.88	22.95
40		108	54	23.84	23.91	23.97
40		108	108	22.87	22.92	22.98
40		216	0	22.95	23.02	23.06
40	DFT-s-OFDM 16QAM	1	1	22.78	22.99	23.08
40	DFT-s-OFDM 64QAM	1	1	21.23	21.40	21.52
40	DFT-s-OFDM 256QAM	1	1	18.99	19.13	19.25
40	CP-OFDM QPSK	1	1	22.28	22.44	22.54
40	CP-OFDM 16QAM	1	1	21.71	21.84	21.96
40	CP-OFDM 64QAM	1	1	20.13	20.34	20.48
40	CP-OFDM 256QAM	1	1	17.21	17.38	17.44
Channel				503000	507000	511000
Frequency (MHz)				2515	2535	2555
30	DFT-s-OFDM QPSK	1	1	23.67	23.79	23.72
Channel				502500	507000	511500
Frequency (MHz)				2512.5	2535	2557.5
25	DFT-s-OFDM QPSK	1	1	23.69	23.65	23.83
Channel				502000	507000	512000
Frequency (MHz)				2510	2535	2560
20	DFT-s-OFDM QPSK	1	1	23.81	23.63	23.70
Channel				501500	507000	512500
Frequency (MHz)				2507.5	2535	2562.5
15	DFT-s-OFDM QPSK	1	1	23.76	23.65	23.80
Channel				501000	507000	513000
Frequency (MHz)				2505	2535	2565
10	DFT-s-OFDM QPSK	1	1	23.51	23.75	23.80
Channel				500500	507000	513500
Frequency (MHz)				2502.5	2535	2567.5



5	DFT-s-OFDM QPSK	1	1	23.46	23.64	23.90
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B7_n25 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				374000	376500	379000
Frequency (MHz)				1870	1882.5	1895
40	DFT-s-OFDM PI/2 BPSK	1	1	23.91	23.90	23.70
40		1	108	23.66	23.53	23.46
40		1	214	23.56	23.60	23.70
40		108	1	23.39	23.33	23.19
40		108	54	23.74	23.69	23.55
40		108	108	23.21	23.07	23.04
40		216	0	23.37	23.27	23.21
40	DFT-s-OFDM QPSK	1	1	23.92	23.89	23.77
40		1	108	23.68	23.61	23.45
40		1	214	23.58	23.61	23.35
40		108	1	22.88	22.83	22.68
40		108	54	23.74	23.67	23.57
40		108	108	22.67	22.64	22.57
40		216	0	22.87	22.82	22.75
40	DFT-s-OFDM 16QAM	1	1	23.07	23.11	22.95
40	DFT-s-OFDM 64QAM	1	1	21.46	21.52	21.38
40	DFT-s-OFDM 256QAM	1	1	19.28	19.21	19.08
40	CP-OFDM QPSK	1	1	22.54	22.52	22.39
40	CP-OFDM 16QAM	1	1	21.97	21.93	21.81
40	CP-OFDM 64QAM	1	1	20.49	20.48	20.34
40	CP-OFDM 256QAM	1	1	17.24	17.33	17.16
Channel				373000	376500	380000
Frequency (MHz)				1865	1882.5	1900
30	DFT-s-OFDM QPSK	1	1	23.69	23.84	23.67
Channel				372500	376500	380500
Frequency (MHz)				1862.5	1882.5	1902.5
25	DFT-s-OFDM QPSK	1	1	23.72	23.92	23.68
Channel				372000	376500	381000
Frequency (MHz)				1860	1882.5	1905
20	DFT-s-OFDM QPSK	1	1	23.60	23.46	23.43
Channel				371500	376500	381500
Frequency (MHz)				1857.5	1882.5	1907.5
15	DFT-s-OFDM QPSK	1	1	23.65	23.50	23.50
Channel				371000	376500	382000
Frequency (MHz)				1855	1882.5	1910
10	DFT-s-OFDM QPSK	1	1	23.65	23.50	23.33



Channel				370500	376500	382500
Frequency (MHz)				1852.5	1882.5	1912.5
5	DFT-s-OFDM QPSK	1	1	23.59	23.49	23.25

B2_n38 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				518000	519000	520000
Frequency (MHz)				2590	2595	2600
40	DFT-s-OFDM PI/2 BPSK	1	1	24.17	24.20	24.18
40		1	53	23.96	23.91	23.88
40		1	104	23.96	23.89	23.91
40		50	1	23.68	23.67	23.64
40		50	25	24.10	24.12	24.07
40		50	50	23.54	23.49	23.52
40		100	0	23.77	23.71	23.71
40	DFT-s-OFDM QPSK	1	1	24.21	24.19	24.26
40		1	53	23.96	23.91	23.87
40		1	104	23.95	23.91	23.90
40		50	1	23.19	23.17	23.15
40		50	25	24.12	24.07	24.08
40		50	50	23.05	23.02	23.02
40		100	0	23.28	23.23	23.18
40	DFT-s-OFDM 16QAM	1	1	23.06	23.15	23.17
40	DFT-s-OFDM 64QAM	1	1	21.62	21.73	21.75
40	DFT-s-OFDM 256QAM	1	1	19.37	19.42	19.43
40	CP-OFDM QPSK	1	1	22.86	22.83	22.87
40	CP-OFDM 16QAM	1	1	22.40	22.39	22.43
40	CP-OFDM 64QAM	1	1	20.77	20.76	20.79
40	CP-OFDM 256QAM	1	1	17.47	17.47	17.51
Channel				517000	519000	521000
Frequency (MHz)				2585	2595	2605
30	DFT-s-OFDM QPSK	1	1	24.24	24.25	24.22
Channel				516000	519000	522000
Frequency (MHz)				2580	2595	2610
20	DFT-s-OFDM QPSK	1	1	24.04	24.06	24.00
Channel				515500	519000	522500
Frequency (MHz)				2577.5	2595	2612.5
15	DFT-s-OFDM QPSK	1	1	24.11	24.10	24.01
Channel				515000	519000	523000
Frequency (MHz)				2575	2595	2615
10	DFT-s-OFDM QPSK	1	1	24.10	24.12	24.04



B25_n41 (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				509202	518598	528000
Frequency (MHz)				2546.01	2592.99	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	25.69	25.87	26.00
100		1	136	25.81	25.96	25.79
100		1	271	26.00	25.95	25.73
100		135	1	24.25	24.53	24.49
100		135	67	25.87	26.00	25.88
100		135	136	24.49	24.43	24.16
100		270	0	24.37	24.61	24.45
100	DFT-s-OFDM QPSK	1	1	25.73	25.89	26.17
100		1	136	25.84	25.96	25.81
100		1	271	26.05	25.86	25.50
100		135	1	24.25	24.54	24.47
100		135	67	25.86	26.05	25.88
100		135	136	24.49	24.43	24.17
100		270	0	24.35	24.62	24.45
100	DFT-s-OFDM 16QAM	1	1	24.84	25.05	25.16
100	DFT-s-OFDM 64QAM	1	1	23.80	24.13	24.20
100	DFT-s-OFDM 256QAM	1	1	22.15	22.74	22.87
100	CP-OFDM QPSK	1	1	24.65	24.98	25.16
100	CP-OFDM 16QAM	1	1	24.29	24.53	24.67
100	CP-OFDM 64QAM	1	1	23.64	24.03	24.14
100	CP-OFDM 256QAM	1	1	20.17	20.28	20.42
Channel				508200	518598	528996
Frequency (MHz)				2541	2592.99	2644.98
90	DFT-s-OFDM QPSK	1	1	25.74	25.99	26.09
Channel				507204	518598	529998
Frequency (MHz)				2536.02	2592.99	2649.99
80	DFT-s-OFDM QPSK	1	1	25.77	26.02	26.09
Channel				506202	518598	531000
Frequency (MHz)				2531.01	2592.99	2655
70	DFT-s-OFDM QPSK	1	1	25.62	25.99	25.95
Channel				505200	518598	531996
Frequency (MHz)				2526	2592.99	2659.98
60	DFT-s-OFDM QPSK	1	1	25.71	26.06	25.92
Channel				504204	518598	532998
Frequency (MHz)				2521.02	2592.99	2664.99
50	DFT-s-OFDM QPSK	1	1	25.72	26.06	26.04
Channel				503202	518598	534000
Frequency (MHz)				2516.01	2592.99	2670



40	DFT-s-OFDM QPSK	1	1	25.88	25.99	25.62
Channel				502200	518598	534996
Frequency (MHz)				2511	2592.99	2674.98
30	DFT-s-OFDM QPSK	1	1	26.07	26.11	25.72
Channel				501204	518598	535998
Frequency (MHz)				2506.02	2592.99	2679.99
20	DFT-s-OFDM QPSK	1	1	25.73	26.04	25.65

B71_n66 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				346000	349000	352000
Frequency (MHz)				1730	1745	1760
40	DFT-s-OFDM PI/2 BPSK	1	1	23.24	23.31	23.27
40		1	108	23.18	23.12	22.97
40		1	214	23.19	23.18	22.97
40		108	1	22.77	22.78	22.64
40		108	54	23.24	23.15	23.11
40		108	108	22.75	22.72	22.61
40		216	0	22.84	22.76	22.71
40	DFT-s-OFDM QPSK	1	1	23.30	23.33	23.23
40		1	108	23.14	23.07	23.00
40		1	214	23.19	23.14	23.15
40		108	1	22.30	22.28	22.16
40		108	54	23.25	23.18	23.12
40		108	108	22.34	22.26	22.16
40		216	0	22.37	22.29	22.29
40	DFT-s-OFDM 16QAM	1	1	22.47	22.47	22.44
40	DFT-s-OFDM 64QAM	1	1	20.92	20.90	20.89
40	DFT-s-OFDM 256QAM	1	1	18.58	18.68	18.58
40	CP-OFDM QPSK	1	1	22.06	22.06	21.90
40	CP-OFDM 16QAM	1	1	21.37	21.39	21.34
40	CP-OFDM 64QAM	1	1	19.83	19.96	19.82
40	CP-OFDM 256QAM	1	1	16.69	16.64	16.62
Channel				345000	349000	353000
Frequency (MHz)				1725	1745	1765
30	DFT-s-OFDM QPSK	1	1	23.06	23.23	23.24
Channel				344000	349000	354000
Frequency (MHz)				1720	1745	1770
20	DFT-s-OFDM QPSK	1	1	23.05	22.79	23.06
Channel				343500	349000	354500
Frequency (MHz)				1717.5	1745	1772.5
15	DFT-s-OFDM QPSK	1	1	22.72	23.23	23.16



Channel				343000	349000	355000
Frequency (MHz)				1715	1745	1775
10	DFT-s-OFDM QPSK	1	1	22.73	22.73	22.51
Channel				342500	349000	355500
Frequency (MHz)				1712.5	1745	1777.5
5	DFT-s-OFDM QPSK	1	1	22.91	22.35	21.06

B66_n71 (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				134600	136100	137600
Frequency (MHz)				673	680.5	688
20	DFT-s-OFDM PI/2 BPSK	1	1	22.90	23.01	23.06
20		1	53	22.98	23.09	23.04
20		1	104	23.04	23.02	22.93
20		50	1	22.40	22.43	22.52
20		50	25	23.01	23.11	23.01
20		50	50	22.52	22.51	22.44
20	DFT-s-OFDM QPSK	100	0	22.51	22.64	22.52
20		1	1	22.99	23.81	24.09
20		1	53	23.88	24.02	23.97
20		1	104	23.98	23.94	23.79
20		50	1	22.96	22.96	23.05
20		50	25	23.88	24.02	24.06
20	DFT-s-OFDM 16QAM	50	50	23.00	23.00	23.00
20		100	0	23.01	23.13	23.04
20	DFT-s-OFDM 64QAM	1	1	22.28	23.01	23.20
20	DFT-s-OFDM 256QAM	1	1	20.69	21.44	21.62
20	CP-OFDM QPSK	1	1	18.78	19.35	19.43
20	CP-OFDM 16QAM	1	1	21.56	22.59	22.66
20	CP-OFDM 64QAM	1	1	21.05	21.89	22.07
20	CP-OFDM 256QAM	1	1	20.37	20.47	20.53
20	CP-OFDM 256QAM	1	1	17.32	17.31	17.37
Channel				134100	136100	138100
Frequency (MHz)				670.5	680.5	690.5
15	DFT-s-OFDM QPSK	1	1	23.04	23.95	23.98
Channel				133600	136100	138600
Frequency (MHz)				668	680.5	693
10	DFT-s-OFDM QPSK	1	1	23.51	23.94	23.92
Channel				133100	136100	139100
Frequency (MHz)				665.5	680.5	695.5
5	DFT-s-OFDM QPSK	1	1	23.81	23.85	23.75



B41_n77(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	25.48	/
100		1	136	/	25.15	/
100		1	271	/	24.72	/
100		135	1	/	24.76	/
100		135	67	/	25.13	/
100		135	136	/	24.20	/
100		270	0	/	24.64	/
100	DFT-s-OFDM QPSK	1	1	/	25.49	/
100		1	136	/	25.10	/
100		1	271	/	24.76	/
100		135	1	/	24.24	/
100		135	67	/	25.08	/
100		135	136	/	23.70	/
100		270	0	/	24.13	/
100	DFT-s-OFDM 16QAM	1	1	/	24.42	/
100	DFT-s-OFDM 64QAM	1	1	/	23.05	/
100	DFT-s-OFDM 256QAM	1	1	/	20.71	/
100	CP-OFDM QPSK	1	1	/	24.10	/
100	CP-OFDM 16QAM	1	1	/	23.53	/
100	CP-OFDM 64QAM	1	1	/	21.86	/
100	CP-OFDM 256QAM	1	1	/	18.65	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	25.36	25.34	25.32
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	25.38	25.33	25.37
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	25.35	25.35	25.19
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	25.17	25.09	25.08
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	25.44	25.35	25.19
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98



40	DFT-s-OFDM QPSK	1	1	25.27	25.18	24.82
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	25.41	25.24	24.79
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	25.25	25.35	24.76
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	25.29	25.37	24.60
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	25.22	25.23	24.54

B5_n78(3450-3550MHz) (PC2)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	26.47	/
100		1	136	/	26.28	/
100		1	271	/	25.86	/
100		135	1	/	25.90	/
100		135	67	/	26.27	/
100		135	136	/	25.29	/
100		270	0	/	25.77	/
100	DFT-s-OFDM QPSK	1	1	/	26.58	/
100		1	136	/	26.22	/
100		1	271	/	25.84	/
100		135	1	/	25.38	/
100		135	67	/	26.18	/
100		135	136	/	24.78	/
100		270	0	/	25.29	/
100	DFT-s-OFDM 16QAM	1	1	/	25.63	/
100	DFT-s-OFDM 64QAM	1	1	/	24.24	/
100	DFT-s-OFDM 256QAM	1	1	/	21.94	/
100	CP-OFDM QPSK	1	1	/	25.31	/
100	CP-OFDM 16QAM	1	1	/	24.75	/
100	CP-OFDM 64QAM	1	1	/	23.15	/
100	CP-OFDM 256QAM	1	1	/	19.98	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	26.56	26.47	26.32



Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	26.56	26.52	26.40
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	26.55	26.44	26.02
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	26.37	26.27	25.91
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	26.47	26.46	26.38
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	26.49	26.32	26.01
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	26.51	26.40	25.83
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	26.47	26.32	25.64
Channel				630500	633334	636166
Frequency (MHz)				3457.5	3500.01	3542.49
15	DFT-s-OFDM QPSK	1	1	26.46	26.32	25.59
Channel				630334	633334	636332
Frequency (MHz)				3455.01	3500.01	3544.98
10	DFT-s-OFDM QPSK	1	1	26.47	26.28	25.72



Effective Radiated Power and Effective Isotropic Radiated Power:

n2 (PC3) (ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860.00	1860.00	1880.00	1880.00	1900.00	1900.00
20	DFT-s-OFDM PI/2 BPSK	1	1	23.99	0.251	23.99	0.251	23.87	0.244
20		1	53	24.00	0.251	23.95	0.248	23.85	0.243
20		1	104	23.93	0.247	23.88	0.244	23.92	0.247
20		50	1	23.41	0.219	23.40	0.219	23.23	0.210
20		50	25	23.97	0.249	23.99	0.251	23.94	0.248
20		50	50	23.36	0.217	23.18	0.208	23.28	0.213
20		10 0	0	23.48	0.223	23.36	0.217	23.34	0.216
20	DFT-s-OFDM QPSK	1	1	24.00	0.251	24.05	0.254	23.98	0.250
20		1	53	23.97	0.249	23.94	0.248	23.86	0.243
20		1	104	23.91	0.246	23.83	0.242	23.81	0.240
20		50	1	23.11	0.205	23.17	0.207	23.00	0.200
20		50	25	23.98	0.250	24.00	0.251	23.96	0.249
20		50	50	23.18	0.208	23.23	0.210	23.14	0.206
20		10 0	0	23.81	0.240	23.89	0.245	23.87	0.244
20	DFT-s-OFDM 16QAM	1	1	22.80	0.191	22.81	0.191	22.62	0.183
20	DFT-s-OFDM 64QAM	1	1	21.29	0.135	21.33	0.136	21.14	0.130
20	DFT-s-OFDM 256QAM	1	1	19.02	0.080	19.05	0.080	18.83	0.076
20	CP-OFDM QPSK	1	1	22.63	0.183	22.68	0.185	22.46	0.176
20	CP-OFDM 16QAM	1	1	21.95	0.157	22.01	0.159	21.84	0.153
20	CP-OFDM 64QAM	1	1	20.04	0.101	19.99	0.100	19.84	0.096
20	CP-OFDM 256QAM	1	1	16.94	0.049	16.97	0.050	16.85	0.048
Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.50	1857.50	1880.00	1880.00	1902.50	1902.50
15	DFT-s-OFDM QPSK	1	1	23.99	0.251	23.94	0.248	23.85	0.243
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855.00	1855.00	1880.00	1880.00	1905.00	1905.00
10	DFT-s-OFDM QPSK	1	1	23.95	0.248	23.98	0.250	23.81	0.240



Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.50	1852.50	1880.00	1880.00	1907.50	1907.50
5	DFT-s-OFDM QPSK	1	1	23.96	0.249	23.83	0.242	23.66	0.232

n5 (PC3) (ANT1)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834.00	834.00	836.50	836.50	839.00	839.00
20	DFT-s-OFDM PI/2 BPSK	1	1	15.70	0.037	15.69	0.037	15.73	0.037
20		1	53	15.74	0.037	15.69	0.037	15.71	0.037
20		1	104	15.70	0.037	15.68	0.037	15.72	0.037
20		50	1	15.11	0.032	15.09	0.032	15.12	0.033
20		50	25	15.76	0.038	15.76	0.038	15.73	0.037
20		50	50	15.10	0.032	15.12	0.033	15.08	0.032
20		100	0	15.30	0.034	15.26	0.034	15.17	0.033
20	DFT-s-OFDM QPSK	1	1	15.73	0.037	15.79	0.038	15.78	0.038
20		1	53	15.72	0.037	15.72	0.037	15.77	0.038
20		1	104	15.71	0.037	15.73	0.037	15.69	0.037
20		50	1	15.16	0.033	15.11	0.032	15.16	0.033
20		50	25	15.75	0.038	15.77	0.038	15.72	0.037
20		50	50	15.15	0.033	15.16	0.033	15.10	0.032
20		100	0	15.59	0.036	15.62	0.036	15.57	0.036
20	DFT-s-OFDM 16QAM	1	1	14.57	0.029	14.61	0.029	14.60	0.029
20	DFT-s-OFDM 64QAM	1	1	13.08	0.020	13.00	0.020	13.04	0.020
20	DFT-s-OFDM 256QAM	1	1	10.67	0.012	10.67	0.012	10.74	0.012
20	CP-OFDM QPSK	1	1	14.37	0.027	14.41	0.028	14.41	0.028
20	CP-OFDM 16QAM	1	1	13.66	0.023	13.68	0.023	13.62	0.023
20	CP-OFDM 64QAM	1	1	11.78	0.015	11.78	0.015	11.68	0.015
20	CP-OFDM 256QAM	1	1	8.71	0.007	8.68	0.007	8.66	0.007
Channel				166300	166300	167300	167300	168300	168300
Frequency (MHz)				831.50	831.50	836.50	836.50	841.50	841.50
15	DFT-s-OFDM QPSK	1	1	15.76	0.038	15.77	0.038	15.76	0.038



Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829.00	829.00	836.50	836.50	844.00	844.00
10	DFT-s-OFDM QPSK	1	1	15.75	0.038	15.72	0.037	15.65	0.037
Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.50	826.50	836.50	836.50	846.50	846.50
5	DFT-s-OFDM QPSK	1	1	15.69	0.037	15.60	0.036	15.56	0.036

n7(ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				504000	504000	507000	507000	510000	510000
Frequency (MHz)				2520.00	2520.00	2535.00	2535.00	2550.00	2550.00
40	DFT-s-OFDM PI/2 BPSK	1	1	24.80	0.302	24.82	0.303	24.71	0.296
40		1	80	24.55	0.285	24.67	0.293	24.67	0.293
40		1	158	24.75	0.299	24.78	0.301	24.75	0.299
40		80	1	24.01	0.252	24.17	0.261	24.11	0.258
40		80	40	24.65	0.292	24.78	0.301	24.71	0.296
40		80	80	24.12	0.258	24.11	0.258	24.12	0.258
40		160	0	24.14	0.259	24.24	0.265	24.23	0.265
40	DFT-s-OFDM QPSK	1	1	24.72	0.296	24.84	0.305	24.79	0.301
40		1	80	24.60	0.288	24.73	0.297	24.62	0.290
40		1	158	24.75	0.299	24.74	0.298	24.78	0.301
40		80	1	23.93	0.247	24.00	0.251	24.05	0.254
40		80	40	24.63	0.290	24.73	0.297	24.70	0.295
40		80	80	24.07	0.255	24.16	0.261	24.17	0.261
40		160	0	24.60	0.288	24.67	0.293	24.61	0.289
40	DFT-s-OFDM 16QAM	1	1	23.45	0.221	23.52	0.225	23.67	0.233
40	DFT-s-OFDM 64QAM	1	1	21.80	0.151	21.94	0.156	22.02	0.159
40	DFT-s-OFDM 256QAM	1	1	19.49	0.089	19.58	0.091	19.70	0.093
40	CP-OFDM QPSK	1	1	17.71	0.059	17.75	0.060	17.82	0.061
40	CP-OFDM 16QAM	1	1	22.47	0.177	22.65	0.184	22.63	0.183
40	CP-OFDM 64QAM	1	1	20.52	0.113	20.65	0.116	20.74	0.119
40	CP-OFDM 256QAM	1	1	17.58	0.057	17.67	0.058	17.70	0.059



Channel				503000	503000	507000	507000	511000	511000
Frequency (MHz)				2515.00	2515.00	2535.00	2535.00	2555.00	2555.00
30	DFT-s-OFDM QPSK	1	1	24.55	0.285	24.70	0.295	24.79	0.301
Channel				502500	502500	507000	507000	511500	511500
Frequency (MHz)				2512.50	2512.50	2535.00	2535.00	2557.50	2557.50
25	DFT-s-OFDM QPSK	1	1	24.62	0.290	24.76	0.299	24.76	0.299
Channel				502000	502000	507000	507000	512000	512000
Frequency (MHz)				2510.00	2510.00	2535.00	2535.00	2560.00	2560.00
20	DFT-s-OFDM QPSK	1	1	24.50	0.282	24.67	0.293	24.78	0.301
Channel				501500	501500	507000	507000	512500	512500
Frequency (MHz)				2507.50	2507.50	2535.00	2535.00	2562.50	2562.50
15	DFT-s-OFDM QPSK	1	1	24.53	0.284	24.74	0.298	24.68	0.294
Channel				501000	501000	507000	507000	513000	513000
Frequency (MHz)				2505.00	2505.00	2535.00	2535.00	2565.00	2565.00
10	DFT-s-OFDM QPSK	1	1	24.59	0.288	24.75	0.299	24.76	0.299
Channel				500500	500500	507000	507000	513500	513500
Frequency (MHz)				2502.50	2502.50	2535.00	2535.00	2567.50	2567.50
5	DFT-s-OFDM QPSK	1	1	24.45	0.279	24.67	0.293	24.78	0.301

n12 (PC3) (ANT1)									
BW [M Hz]	Modulation	R B Size	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				141300	141300	141500	141500	141700	141700
Frequency (MHz)				706.50	706.50	707.50	707.50	708.50	708.50
15	DFT-s-OFDM PI/2 BPSK	1	1	14.08	0.026	14.03	0.025	14.06	0.025
15		1	53	14.03	0.025	14.01	0.025	14.03	0.025
15		1	104	14.06	0.025	14.04	0.025	14.00	0.025
15		50	1	13.39	0.022	13.39	0.022	13.37	0.022
15		50	25	14.11	0.026	14.13	0.026	14.10	0.026
15		50	50	13.38	0.022	13.46	0.022	13.38	0.022
15		100	0	13.47	0.022	13.45	0.022	13.44	0.022
15	DFT-s-OFDM QPSK	1	1	13.84	0.024	14.05	0.025	13.90	0.025
15		1	53	14.07	0.026	14.19	0.026	14.09	0.026
15		1	104	14.04	0.025	14.03	0.025	14.01	0.025
15		50	1	13.44	0.022	13.44	0.022	13.38	0.022
15		50	25	14.14	0.026	14.16	0.026	14.12	0.026



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15		50	50	13.51	0.022	13.59	0.023	13.47	0.022
15		100	0	14.09	0.026	14.09	0.026	14.04	0.025
15	DFT-s-OFDM 16QAM	1	1	12.97	0.020	12.94	0.020	13.01	0.020
15	DFT-s-OFDM 64QAM	1	1	11.15	0.013	11.25	0.013	11.21	0.013
15	DFT-s-OFDM 256QAM	1	1	9.00	0.008	8.97	0.008	8.98	0.008
15	CP-OFDM QPSK	1	1	12.60	0.018	12.63	0.018	12.63	0.018
15	CP-OFDM 16QAM	1	1	12.01	0.016	12.04	0.016	11.99	0.016
15	CP-OFDM 64QAM	1	1	9.95	0.010	9.93	0.010	9.95	0.010
15	CP-OFDM 256QAM	1	1	7.10	0.005	7.07	0.005	7.09	0.005
Channel				140800	140800	141500	141500	142200	142200
Frequency (MHz)				704.00	704.00	707.50	707.50	711.00	711.00
10	DFT-s-OFDM QPSK	1	1	14.06	0.025	14.00	0.025	13.93	0.025
Channel				140300	140300	141500	141500	142700	142700
Frequency (MHz)				701.50	701.50	707.50	707.50	713.50	713.50
5	DFT-s-OFDM QPSK	1	1	13.98	0.025	13.93	0.025	13.92	0.025

n25(ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				374000	374000	376500	376500	379000	379000
Frequency (MHz)				1870.00	1870.00	1882.50	1882.50	1895.00	1895.00
40	DFT-s-OFDM PI/2 BPSK	1	1	24.02	0.252	24.01	0.252	23.99	0.251
40		1	80	23.88	0.244	23.75	0.237	23.72	0.236
40		1	158	23.81	0.240	23.84	0.242	24.02	0.252
40		80	1	23.37	0.217	23.28	0.213	23.25	0.211
40		80	40	23.90	0.245	23.79	0.239	23.78	0.239
40		80	80	23.22	0.210	23.16	0.207	23.21	0.209
40		160	0	23.43	0.220	23.32	0.215	23.33	0.215
40	DFT-s-OFDM QPSK	1	1	24.06	0.255	24.01	0.252	23.96	0.249
40		1	80	23.83	0.242	23.70	0.234	23.65	0.232
40		1	158	23.81	0.240	23.84	0.242	23.48	0.223
40		80	1	23.18	0.208	23.10	0.204	23.01	0.200
40		80	40	23.99	0.251	23.91	0.246	23.93	0.247



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40		80	80	23.15	0.207	23.13	0.206	23.05	0.202
40		160	0	23.97	0.249	23.83	0.242	23.87	0.244
40	DFT-s-OFDM 16QAM	1	1	22.84	0.192	22.84	0.192	22.76	0.189
40	DFT-s-OFDM 64QAM	1	1	21.25	0.133	21.18	0.131	21.13	0.130
40	DFT-s-OFDM 256QAM	1	1	18.95	0.079	18.94	0.078	18.89	0.077
40	CP-OFDM QPSK	1	1	22.63	0.183	22.64	0.184	22.59	0.182
40	CP-OFDM 16QAM	1	1	21.95	0.157	21.96	0.157	21.90	0.155
40	CP-OFDM 64QAM	1	1	20.02	0.100	19.99	0.100	19.94	0.099
40	CP-OFDM 256QAM	1	1	16.96	0.050	16.98	0.050	16.94	0.049
Channel				373000	373000	376500	376500	380000	380000
Frequency (MHz)				1865.00	1865.00	1882.50	1882.50	1900.00	1900.00
30	DFT-s-OFDM QPSK	1	1	24.01	0.252	23.90	0.245	23.77	0.238
Channel				372500	372500	376500	376500	380500	380500
Frequency (MHz)				1862.50	1862.50	1882.50	1882.50	1902.50	1902.50
25	DFT-s-OFDM QPSK	1	1	24.01	0.252	24.05	0.254	23.89	0.245
Channel				372000	372000	376500	376500	381000	381000
Frequency (MHz)				1860.00	1860.00	1882.50	1882.50	1905.00	1905.00
20	DFT-s-OFDM QPSK	1	1	23.98	0.250	23.89	0.245	23.75	0.237
Channel				371500	371500	376500	376500	381500	381500
Frequency (MHz)				1857.50	1857.50	1882.50	1882.50	1907.50	1907.50
15	DFT-s-OFDM QPSK	1	1	24.03	0.253	23.92	0.247	23.82	0.241
Channel				371000	371000	376500	376500	382000	382000
Frequency (MHz)				1855.00	1855.00	1882.50	1882.50	1910.00	1910.00
10	DFT-s-OFDM QPSK	1	1	24.04	0.254	23.83	0.242	23.74	0.237
Channel				370500	370500	376500	376500	382500	382500
Frequency (MHz)				1852.50	1852.50	1882.50	1882.50	1912.50	1912.50
5	DFT-s-OFDM QPSK	1	1	23.85	0.243	23.71	0.235	23.66	0.232

n26(814-824MHz)(ANT1)									
BW [MHz]	Modulation	R B Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt



Channel						163800	163800		
Frequency (MHz)						819.00	819.00		
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	15.85	0.038	/	/
10		1	53	/	/	15.84	0.038	/	/
10		1	104	/	/	15.81	0.038	/	/
10		50	1	/	/	15.26	0.034	/	/
10		50	25	/	/	15.89	0.039	/	/
10		50	50	/	/	15.29	0.034	/	/
10		10 0	0	/	/	15.28	0.034	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	15.39	0.035	/	/
10		1	53	/	/	15.91	0.039	/	/
10		1	104	/	/	15.88	0.039	/	/
10		50	1	/	/	15.10	0.032	/	/
10		50	25	/	/	15.90	0.039	/	/
10		50	50	/	/	15.09	0.032	/	/
10		10 0	0	/	/	15.80	0.038	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	14.78	0.030	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	13.08	0.020	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	10.82	0.012	/	/
10	CP-OFDM QPSK	1	1	/	/	14.49	0.028	/	/
10	CP-OFDM 16QAM	1	1	/	/	13.81	0.024	/	/
10	CP-OFDM 64QAM	1	1	/	/	11.84	0.015	/	/
10	CP-OFDM 256QAM	1	1	/	/	8.88	0.008	/	/
Channel				163300	163300	163800	163800	164300	164300
Frequency (MHz)				816.50	816.50	819.00	819.00	821.50	821.50
5	DFT-s-OFDM QPSK	1	1	15.72	0.037	15.71	0.037	15.75	0.038

n26(824-849MHz)(ANT1)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834.00	834.00	836.50	836.50	839.00	839.00
20	DFT-s-OFDM	1	1	15.81	0.038	15.81	0.038	15.85	0.038
20	PI/2 BPSK	1	53	15.80	0.038	15.84	0.038	15.77	0.038



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20		1	104	15.81	0.038	15.76	0.038	15.75	0.038
20		50	1	15.22	0.033	15.19	0.033	15.24	0.033
20		50	25	15.86	0.039	15.85	0.038	15.80	0.038
20		50	50	15.16	0.033	15.14	0.033	15.25	0.033
20		10 0	0	15.37	0.034	15.35	0.034	15.29	0.034
20	DFT-s-OFDM QPSK	1	1	15.90	0.039	15.87	0.039	15.85	0.038
20		1	53	15.78	0.038	15.76	0.038	15.82	0.038
20		1	104	15.80	0.038	15.79	0.038	15.72	0.037
20		50	1	15.12	0.033	15.12	0.033	15.16	0.033
20		50	25	15.86	0.039	15.80	0.038	15.80	0.038
20		50	50	15.09	0.032	15.05	0.032	15.12	0.033
20		10 0	0	15.80	0.038	15.75	0.038	15.73	0.037
20	DFT-s-OFDM 16QAM	1	1	14.86	0.031	14.64	0.029	14.64	0.029
20	DFT-s-OFDM 64QAM	1	1	13.12	0.021	12.98	0.020	13.06	0.020
20	DFT-s-OFDM 256QAM	1	1	10.70	0.012	10.74	0.012	10.82	0.012
20	CP-OFDM QPSK	1	1	14.41	0.028	14.35	0.027	14.38	0.027
20	CP-OFDM 16QAM	1	1	13.72	0.024	13.70	0.023	13.66	0.023
20	CP-OFDM 64QAM	1	1	11.82	0.015	11.82	0.015	11.76	0.015
20	CP-OFDM 256QAM	1	1	8.75	0.007	8.76	0.008	8.71	0.007
Channel				166300	166300	167300	167300	168300	168300
Frequency (MHz)				831.50	831.50	836.50	836.50	841.50	841.50
15	DFT-s-OFDM QPSK	1	1	15.85	0.038	15.84	0.038	15.80	0.038
Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829.00	829.00	836.50	836.50	844.00	844.00
10	DFT-s-OFDM QPSK	1	1	15.89	0.039	15.71	0.037	15.72	0.037
Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.50	826.50	836.50	836.50	846.50	846.50
5	DFT-s-OFDM QPSK	1	1	15.78	0.038	15.61	0.036	15.61	0.036

n30 (ANT4)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt



Channel						462000	462000		
Frequency (MHz)						2310.00	2310.00		
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	19.90	0.098	/	/
10		1	53	/	/	20.05	0.101	/	/
10		1	104	/	/	20.01	0.100	/	/
10		50	1	/	/	19.39	0.087	/	/
10		50	25	/	/	20.06	0.101	/	/
10		50	50	/	/	19.49	0.089	/	/
10		10 0	0	/	/	19.79	0.095	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	19.79	0.095	/	/
10		1	53	/	/	20.08	0.102	/	/
10		1	104	/	/	19.70	0.093	/	/
10		50	1	/	/	19.27	0.085	/	/
10		50	25	/	/	20.04	0.101	/	/
10		50	50	/	/	19.45	0.088	/	/
10		10 0	0	/	/	19.88	0.097	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	18.81	0.076	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	17.17	0.052	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	15.02	0.032	/	/
10	CP-OFDM QPSK	1	1	/	/	18.43	0.070	/	/
10	CP-OFDM 16QAM	1	1	/	/	17.82	0.061	/	/
10	CP-OFDM 64QAM	1	1	/	/	15.97	0.040	/	/
10	CP-OFDM 256QAM	1	1	/	/	12.98	0.020	/	/
Channel				461500	461500	462000	462000	462500	462500
Frequency (MHz)				2307.50	2307.50	2310.00	2310.00	2312.50	2312.50
5	DFT-s-OFDM QPSK	1	1	19.66	0.092	19.94	0.099	19.95	0.099

n38 (ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				518000	518000	519000	519000	520000	520000
Frequency (MHz)				2590.00	2590.00	2595.00	2595.00	2600.00	2600.00
40	DFT-s-OFDM	1	1	24.74	0.298	24.86	0.306	24.86	0.306
40	PI/2 BPSK	1	53	24.59	0.288	24.56	0.286	24.55	0.285



40		1	104	24.55	0.285	24.56	0.286	24.57	0.286
40		50	1	24.23	0.265	24.23	0.265	24.21	0.264
40		50	25	24.79	0.301	24.72	0.296	24.76	0.299
40		50	50	24.07	0.255	24.06	0.255	24.06	0.255
40		10 0	0	24.31	0.270	24.29	0.269	24.23	0.265
40	DFT-s-OFDM QPSK	1	1	24.85	0.305	24.89	0.308	24.92	0.310
40		1	53	24.56	0.286	24.56	0.286	24.52	0.283
40		1	104	24.56	0.286	24.54	0.284	24.55	0.285
40		50	1	24.06	0.255	24.01	0.252	24.03	0.253
40		50	25	24.78	0.301	24.74	0.298	24.81	0.303
40		50	50	24.12	0.258	24.08	0.256	24.10	0.257
40		10 0	0	24.63	0.290	24.60	0.288	24.67	0.293
40	DFT-s-OFDM 16QAM	1	1	23.45	0.221	23.56	0.227	23.70	0.234
40	DFT-s-OFDM 64QAM	1	1	22.06	0.161	22.09	0.162	22.19	0.166
40	DFT-s-OFDM 256QAM	1	1	19.89	0.097	19.89	0.097	20.01	0.100
40	CP-OFDM QPSK	1	1	23.36	0.217	23.43	0.220	23.42	0.220
40	CP-OFDM 16QAM	1	1	22.74	0.188	22.84	0.192	22.83	0.192
40	CP-OFDM 64QAM	1	1	20.72	0.118	20.85	0.122	20.89	0.123
40	CP-OFDM 256QAM	1	1	17.88	0.061	17.93	0.062	17.77	0.060
Channel				517000	517000	519000	519000	521000	521000
Frequency (MHz)				2585.00	2585.00	2595.00	2595.00	2605.00	2605.00
30	DFT-s-OFDM QPSK	1	1	24.80	0.302	24.90	0.309	24.85	0.305
Channel				516000	516000	519000	519000	522000	522000
Frequency (MHz)				2580.00	2580.00	2595.00	2595.00	2610.00	2610.00
20	DFT-s-OFDM QPSK	1	1	24.69	0.294	24.81	0.303	24.75	0.299
Channel				515500	515500	519000	519000	522500	522500
Frequency (MHz)				2577.50	2577.50	2595.00	2595.00	2612.50	2612.50
15	DFT-s-OFDM QPSK	1	1	24.71	0.296	24.71	0.296	24.68	0.294
Channel				515000	515000	519000	519000	523000	523000
Frequency (MHz)				2575.00	2575.00	2595.00	2595.00	2615.00	2615.00
10	DFT-s-OFDM QPSK	1	1	24.74	0.298	24.74	0.298	24.69	0.294



n41(ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				509202	509202	518598	518598	528000	528000
Frequency (MHz)				2546.01	2546.01	2592.99	2592.99	2640	2640
10 0	DFT-s-OFDM PI/2 BPSK	1	1	26.56	0.453	26.74	0.472	26.89	0.489
10 0		1	136	26.72	0.470	26.87	0.486	26.80	0.479
10 0		1	271	26.96	0.497	26.93	0.493	26.73	0.471
10 0		13 5	1	25.98	0.396	26.02	0.400	26.10	0.407
10 0		13 5	67	26.74	0.472	26.98	0.499	26.80	0.479
10 0		13 5	136	26.04	0.402	26.10	0.407	26.00	0.398
10 0		27 0	0	25.92	0.391	26.14	0.411	26.05	0.403
10 0	DFT-s-OFDM QPSK	1	1	26.55	0.452	26.66	0.463	26.92	0.492
10 0		1	136	26.83	0.482	26.99	0.500	26.92	0.492
10 0		1	271	26.95	0.495	26.92	0.492	26.09	0.406
10 0		13 5	1	25.98	0.396	26.04	0.402	26.11	0.408
10 0		13 5	67	26.61	0.458	26.82	0.481	26.71	0.469
10 0		13 5	136	26.04	0.402	26.08	0.406	25.94	0.393
10 0		27 0	0	26.51	0.448	26.72	0.470	26.67	0.465
10 0	DFT-s-OFDM 16QAM	1	1	25.28	0.337	25.57	0.361	25.81	0.381
10 0	DFT-s-OFDM 64QAM	1	1	24.12	0.258	24.69	0.294	24.90	0.309
10 0	DFT-s-OFDM 256QAM	1	1	22.39	0.173	23.56	0.227	23.70	0.234
10 0	CP-OFDM QPSK	1	1	24.98	0.315	25.91	0.390	26.01	0.399
10 0	CP-OFDM 16QAM	1	1	24.49	0.281	25.31	0.340	25.57	0.361
10 0	CP-OFDM 64QAM	1	1	23.65	0.232	24.34	0.272	24.47	0.280
10	CP-OFDM	1	1	20.90	0.123	20.89	0.123	21.03	0.127



0	256QAM								
Channel				508200	508200	518598	518598	528996	528996
Frequency (MHz)				2541.00	2541.00	2592.99	2592.99	2644.98	2644.98
90	DFT-s-OFDM QPSK	1	1	26.39	0.436	26.79	0.478	26.88	0.488
Channel				507204	507204	518598	518598	529998	529998
Frequency (MHz)				2536.02	2536.02	2592.99	2592.99	2649.99	2649.99
80	DFT-s-OFDM QPSK	1	1	26.44	0.441	26.82	0.481	26.89	0.489
Channel				506202	506202	518598	518598	531000	531000
Frequency (MHz)				2531.01	2531.01	2592.99	2592.99	2655.00	2655.00
70	DFT-s-OFDM QPSK	1	1	26.36	0.433	26.83	0.482	26.84	0.483
Channel				505200	505200	518598	518598	531996	531996
Frequency (MHz)				2526.00	2526.00	2592.99	2592.99	2659.98	2659.98
60	DFT-s-OFDM QPSK	1	1	26.28	0.425	26.77	0.475	26.81	0.480
Channel				504204	504204	518598	518598	532998	532998
Frequency (MHz)				2521.02	2521.02	2592.99	2592.99	2664.99	2664.99
50	DFT-s-OFDM QPSK	1	1	26.63	0.460	26.95	0.495	26.86	0.485
Channel				503202	503202	518598	518598	534000	534000
Frequency (MHz)				2516.01	2516.01	2592.99	2592.99	2670.00	2670.00
40	DFT-s-OFDM QPSK	1	1	26.46	0.443	26.71	0.469	26.61	0.458
Channel				502200	502200	518598	518598	534996	534996
Frequency (MHz)				2511.00	2511.00	2592.99	2592.99	2674.98	2674.98
30	DFT-s-OFDM QPSK	1	1	26.60	0.457	26.85	0.484	26.63	0.460
Channel				501204	501204	518598	518598	535998	535998
Frequency (MHz)				2506.02	2506.02	2592.99	2592.99	2679.99	2679.99
20	DFT-s-OFDM QPSK	1	1	26.44	0.441	26.72	0.470	26.45	0.442

n41(ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				509202	509202	518598	518598	528000	528000
Frequency (MHz)				2546.01	2546.01	2592.99	2592.99	2640	2640
10 0	DFT-s-OFDM PI/2 BPSK	1	1	24.30	0.269	24.44	0.278	24.63	0.290
10 0		1	136	24.37	0.274	24.54	0.284	24.44	0.278
10		1	271	24.61	0.289	24.45	0.279	24.34	0.272



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0									
10		13	1	24.35	0.272	24.50	0.282	24.52	0.283
0		5							
10		13	67	24.46	0.279	24.63	0.290	24.45	0.279
0		5							
10		13	136	24.57	0.286	24.53	0.284	24.26	0.267
0		5							
10		27	0	24.43	0.277	24.60	0.288	24.53	0.284
0		0							
10		1	1	24.28	0.268	24.41	0.276	24.60	0.288
0									
10		1	136	24.52	0.283	24.67	0.293	24.48	0.281
0									
10		1	271	24.58	0.287	24.48	0.281	24.46	0.279
0									
10	DFT-s-OFDM	13	1	24.26	0.267	24.51	0.282	24.53	0.284
0	QPSK	5							
10		13	67	24.55	0.285	24.65	0.292	24.56	0.286
0		5							
10		13	136	24.62	0.290	24.47	0.280	24.44	0.278
0		5							
10		27	0	24.37	0.274	24.59	0.288	24.52	0.283
0		0							
10	DFT-s-OFDM	1	1	24.24	0.265	24.32	0.270	24.58	0.287
0	16QAM								
10	DFT-s-OFDM	1	1	24.28	0.268	24.43	0.277	24.60	0.288
0	64QAM								
10	DFT-s-OFDM	1	1	22.73	0.187	23.25	0.211	23.44	0.221
0	256QAM								
10	CP-OFDM	1	1	24.38	0.274	24.59	0.288	24.60	0.288
0	QPSK								
10	CP-OFDM	1	1	24.38	0.274	24.56	0.286	24.60	0.288
0	16QAM								
10	CP-OFDM	1	1	23.78	0.239	24.06	0.255	24.23	0.265
0	64QAM								
10	CP-OFDM	1	1	20.64	0.116	20.75	0.119	20.95	0.124
0	256QAM								
Channel				508200	508200	518598	518598	528996	528996
Frequency (MHz)				2541.00	2541.00	2592.99	2592.99	2644.98	2644.98
90	DFT-s-OFDM	1	1	24.34	0.272	24.34	0.272	24.55	0.285
	QPSK								
Channel				507204	507204	518598	518598	529998	529998
Frequency (MHz)				2536.02	2536.02	2592.99	2592.99	2649.99	2649.99
80	DFT-s-OFDM	1	1	24.39	0.275	24.50	0.282	24.57	0.286
	QPSK								
Channel				506202	506202	518598	518598	531000	531000
Frequency (MHz)				2531.01	2531.01	2592.99	2592.99	2655.00	2655.00
70	DFT-s-OFDM	1	1	24.34	0.272	24.49	0.281	24.42	0.277
	QPSK								



Channel				505200	505200	518598	518598	531996	531996
Frequency (MHz)				2526.00	2526.00	2592.99	2592.99	2659.98	2659.98
60	DFT-s-OFDM QPSK	1	1	24.26	0.267	24.54	0.284	24.47	0.280
Channel				504204	504204	518598	518598	532998	532998
Frequency (MHz)				2521.02	2521.02	2592.99	2592.99	2664.99	2664.99
50	DFT-s-OFDM QPSK	1	1	24.43	0.277	24.60	0.288	24.50	0.282
Channel				503202	503202	518598	518598	534000	534000
Frequency (MHz)				2516.01	2516.01	2592.99	2592.99	2670.00	2670.00
40	DFT-s-OFDM QPSK	1	1	24.22	0.264	24.36	0.273	24.20	0.263
Channel				502200	502200	518598	518598	534996	534996
Frequency (MHz)				2511.00	2511.00	2592.99	2592.99	2674.98	2674.98
30	DFT-s-OFDM QPSK	1	1	24.32	0.270	24.63	0.290	24.25	0.266
Channel				501204	501204	518598	518598	535998	535998
Frequency (MHz)				2506.02	2506.02	2592.99	2592.99	2679.99	2679.99
20	DFT-s-OFDM QPSK	1	1	24.15	0.260	24.32	0.270	24.22	0.264

n48 (PC3) (ANT8)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				638000	638000	641666	641666	645332	645332
Frequency (MHz)				3570.00	3570.00	3624.99	3624.99	3679.98	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	20.91	0.123	21.26	0.134	21.26	0.134
40		1	53	20.99	0.126	21.19	0.132	21.30	0.135
40		1	104	21.17	0.131	21.38	0.137	21.40	0.138
40		50	1	20.55	0.114	20.66	0.116	20.53	0.113
40		50	25	20.38	0.109	20.58	0.114	20.74	0.119
40		50	50	20.57	0.114	20.54	0.113	20.59	0.115
40		100	0	20.51	0.112	20.50	0.112	20.57	0.114
40	DFT-s-OFDM QPSK	1	1	21.46	0.140	21.52	0.142	21.50	0.141
40		1	53	20.86	0.122	21.09	0.129	21.22	0.132
40		1	104	21.16	0.131	21.34	0.136	21.37	0.137
40		50	1	20.61	0.115	20.55	0.114	20.62	0.115
40		50	25	21.38	0.137	21.45	0.140	21.42	0.139
40		50	50	20.58	0.114	20.65	0.116	20.58	0.114
40		100	0	21.26	0.134	21.35	0.136	21.31	0.135
40	DFT-s-OFDM	1	1	19.70	0.093	20.05	0.101	20.05	0.101



	16QAM								
40	DFT-s-OFDM 64QAM	1	1	18.26	0.067	18.76	0.075	18.61	0.073
40	DFT-s-OFDM 256QAM	1	1	16.05	0.040	16.50	0.045	16.42	0.044
40	CP-OFDM QPSK	1	1	19.38	0.087	19.76	0.095	19.75	0.094
40	CP-OFDM 16QAM	1	1	18.78	0.076	19.15	0.082	19.14	0.082
40	CP-OFDM 64QAM	1	1	16.89	0.049	17.28	0.053	17.26	0.053
40	CP-OFDM 256QAM	1	1	14.11	0.026	14.51	0.028	14.47	0.028
Channel				637668	637668	641666	641666	645666	645666
Frequency (MHz)				3565.02	3565.02	3624.99	3624.99	3684.99	3684.99
30	DFT-s-OFDM QPSK	1	1	20.94	0.124	21.39	0.138	21.32	0.136
Channel				637334	637334	641666	641666	646000	646000
Frequency (MHz)				3560.01	3560.01	3624.99	3624.99	3690.00	3690.00
20	DFT-s-OFDM QPSK	1	1	21.18	0.131	21.01	0.126	21.26	0.134
Channel				637168	637168	641666	641666	646166	646166
Frequency (MHz)				3557.52	3557.52	3624.99	3624.99	3692.49	3692.49
15	DFT-s-OFDM QPSK	1	1	21.14	0.130	21.41	0.138	21.20	0.132
Channel				637000	637000	641666	641666	646332	646332
Frequency (MHz)				3555.00	3555.00	3624.99	3624.99	3694.98	3694.98
10	DFT-s-OFDM QPSK	1	1	21.26	0.134	20.94	0.124	21.27	0.134

n66 (PC3)(ANT5)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				346000	346000	349000	349000	352000	352000
Frequency (MHz)				1730.00	1730.00	1745.00	1745.00	1760.00	1760.00
40	DFT-s-OFDM PI/2 BPSK	1	1	23.46	0.222	23.55	0.226	23.52	0.225
40		1	80	23.40	0.219	23.32	0.215	23.21	0.209
40		1	158	23.39	0.218	23.35	0.216	23.31	0.214
40		80	1	22.92	0.196	22.90	0.195	22.82	0.191
40		80	40	23.50	0.224	23.46	0.222	23.32	0.215
40		80	80	22.91	0.195	22.81	0.191	22.79	0.190
40		16 0	0	22.90	0.195	22.96	0.198	22.85	0.193
40	DFT-s-OFDM	1	1	23.57	0.228	23.52	0.225	23.55	0.226



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40	QPSK	1	80	23.37	0.217	23.33	0.215	23.11	0.205
40		1	158	23.48	0.223	23.29	0.213	23.25	0.211
40		80	1	22.82	0.191	22.81	0.191	22.79	0.190
40		80	40	23.50	0.224	23.44	0.221	23.49	0.223
40		80	80	22.83	0.192	22.83	0.192	22.74	0.188
40		160	0	23.42	0.220	23.38	0.218	23.37	0.217
40	DFT-s-OFDM 16QAM	1	1	22.48	0.177	22.41	0.174	22.48	0.177
40	DFT-s-OFDM 64QAM	1	1	20.73	0.118	20.68	0.117	20.74	0.119
40	DFT-s-OFDM 256QAM	1	1	18.34	0.068	18.43	0.070	18.48	0.070
40	CP-OFDM QPSK	1	1	22.15	0.164	22.15	0.164	22.00	0.158
40	CP-OFDM 16QAM	1	1	21.41	0.138	21.31	0.135	21.31	0.135
40	CP-OFDM 64QAM	1	1	19.39	0.087	19.40	0.087	19.39	0.087
40	CP-OFDM 256QAM	1	1	16.51	0.045	16.51	0.045	16.39	0.044
Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725.00	1725.00	1745.00	1745.00	1765.00	1765.00
30	DFT-s-OFDM QPSK	1	1	23.46	0.222	23.48	0.223	23.39	0.218
Channel				344000	344000	349000	349000	354000	354000
Frequency (MHz)				1720.00	1720.00	1745.00	1745.00	1770.00	1770.00
20	DFT-s-OFDM QPSK	1	1	23.40	0.219	23.35	0.216	23.31	0.214
Channel				343500	343500	349000	349000	354500	354500
Frequency (MHz)				1717.50	1717.50	1745.00	1745.00	1772.50	1772.50
15	DFT-s-OFDM QPSK	1	1	23.54	0.226	23.49	0.223	23.38	0.218
Channel				343000	343000	349000	349000	355000	355000
Frequency (MHz)				1715.00	1715.00	1745.00	1745.00	1775.00	1775.00
10	DFT-s-OFDM QPSK	1	1	23.49	0.223	23.53	0.225	23.32	0.215
Channel				342500	342500	349000	349000	355500	355500
Frequency (MHz)				1712.50	1712.50	1745.00	1745.00	1777.50	1777.50
5	DFT-s-OFDM QPSK	1	1	23.35	0.216	23.40	0.219	23.24	0.211

n71 (ANT1)									
BW [M Hz]	Modulation	R B Si	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt



		ze							
Channel				134600	134600	136100	136100	137600	137600
Frequency (MHz)				673.00	673.00	680.50	680.50	688.00	688.00
20	DFT-s-OFDM PI/2 BPSK	1	1	18.11	0.065	18.14	0.065	18.23	0.067
20		1	53	18.16	0.065	18.24	0.067	18.16	0.065
20		1	104	18.21	0.066	18.13	0.065	18.14	0.065
20		50	1	18.00	0.063	18.11	0.065	18.16	0.065
20		50	25	18.59	0.072	18.80	0.076	18.68	0.074
20		50	50	18.10	0.065	18.11	0.065	18.00	0.063
20		10 0	0	18.12	0.065	18.18	0.066	18.19	0.066
20	DFT-s-OFDM QPSK	1	1	17.71	0.059	18.71	0.074	18.78	0.076
20		1	53	18.71	0.074	18.88	0.077	18.70	0.074
20		1	104	18.80	0.076	18.70	0.074	18.67	0.074
20		50	1	18.03	0.064	18.15	0.065	18.23	0.067
20		50	25	18.69	0.074	18.85	0.077	18.81	0.076
20		50	50	18.15	0.065	18.19	0.066	18.10	0.065
20		10 0	0	18.65	0.073	18.75	0.075	18.68	0.074
20	DFT-s-OFDM 16QAM	1	1	17.61	0.058	17.67	0.058	17.85	0.061
20	DFT-s-OFDM 64QAM	1	1	15.93	0.039	15.92	0.039	16.04	0.040
20	DFT-s-OFDM 256QAM	1	1	13.63	0.023	13.72	0.024	13.86	0.024
20	CP-OFDM QPSK	1	1	16.98	0.050	17.29	0.054	17.40	0.055
20	CP-OFDM 16QAM	1	1	16.43	0.044	16.64	0.046	16.76	0.047
20	CP-OFDM 64QAM	1	1	14.51	0.028	14.70	0.030	14.85	0.031
20	CP-OFDM 256QAM	1	1	11.63	0.015	11.76	0.015	11.88	0.015
Channel				134100	134100	136100	136100	138100	138100
Frequency (MHz)				670.50	670.50	680.50	680.50	690.50	690.50
15	DFT-s-OFDM QPSK	1	1	17.82	0.061	18.75	0.075	18.81	0.076
Channel				133600	133600	136100	136100	138600	138600
Frequency (MHz)				668.00	668.00	680.50	680.50	693.00	693.00
10	DFT-s-OFDM QPSK	1	1	18.06	0.064	18.69	0.074	18.71	0.074
Channel				133100	133100	136100	136100	139100	139100
Frequency (MHz)				665.50	665.50	680.50	680.50	695.50	695.50
5	DFT-s-OFDM QPSK	1	1	18.53	0.071	18.67	0.074	18.65	0.073



n77(3450-3550MHz) (PC2)(ANT8)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
10 0	DFT-s-OFDM PI/2 BPSK	1	1	/	/	23.46	0.222	/	/
10 0		1	136	/	/	23.40	0.219	/	/
10 0		1	271	/	/	23.06	0.202	/	/
10 0		13 5	1	/	/	23.09	0.204	/	/
10 0		13 5	67	/	/	23.45	0.221	/	/
10 0		13 5	136	/	/	22.69	0.186	/	/
10 0		27 0	0	/	/	22.94	0.197	/	/
10 0	DFT-s-OFDM QPSK	1	1	/	/	23.49	0.223	/	/
10 0		1	136	/	/	23.36	0.217	/	/
10 0		1	271	/	/	23.03	0.201	/	/
10 0		13 5	1	/	/	22.74	0.188	/	/
10 0		13 5	67	/	/	23.40	0.219	/	/
10 0		13 5	136	/	/	22.79	0.190	/	/
10 0		27 0	0	/	/	23.31	0.214	/	/
10 0	DFT-s-OFDM 16QAM	1	1	/	/	22.26	0.168	/	/
10 0	DFT-s-OFDM 64QAM	1	1	/	/	21.39	0.138	/	/
10 0	DFT-s-OFDM 256QAM	1	1	/	/	19.39	0.087	/	/
10 0	CP-OFDM QPSK	1	1	/	/	22.42	0.175	/	/
10 0	CP-OFDM 16QAM	1	1	/	/	21.78	0.151	/	/
10 0	CP-OFDM 64QAM	1	1	/	/	19.81	0.096	/	/
10	CP-OFDM	1	1	/	/	17.05	0.051	/	/



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0	256QAM								
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	23.41	0.219	23.38	0.218	23.40	0.219
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	23.43	0.220	23.37	0.217	23.31	0.214
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	23.42	0.220	23.39	0.218	23.22	0.210
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	23.24	0.211	23.10	0.204	23.08	0.203
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	23.46	0.222	23.37	0.217	23.24	0.211
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	23.37	0.217	23.14	0.206	23.03	0.201
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	23.36	0.217	23.25	0.211	23.05	0.202
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	23.21	0.209	23.06	0.202	23.02	0.200
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	23.15	0.207	23.12	0.205	23.09	0.204
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	23.42	0.220	23.47	0.222	23.10	0.204

n77(3700-3980MHz) (PC2) (ANT8)

BW [MHz]	Modulation	R B Si	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
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		ze							
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
10 0	DFT-s-OFDM PI/2 BPSK	1	1	22.95	0.197	23.19	0.208	23.01	0.200
10 0		1	136	23.11	0.205	23.23	0.210	22.63	0.183
10 0		1	271	23.14	0.206	23.03	0.201	23.25	0.211
10 0		13 5	1	22.83	0.192	22.66	0.185	22.53	0.179
10 0		13 5	67	23.11	0.205	23.22	0.210	22.68	0.185
10 0		13 5	136	22.69	0.186	22.60	0.182	22.63	0.183
10 0		27 0	0	22.65	0.184	22.75	0.188	22.52	0.179
10 0	DFT-s-OFDM QPSK	1	1	23.15	0.207	23.36	0.217	23.24	0.211
10 0		1	136	23.12	0.205	23.17	0.207	22.77	0.189
10 0		1	271	23.14	0.206	23.00	0.200	23.26	0.212
10 0		13 5	1	22.56	0.180	22.75	0.188	22.69	0.186
10 0		13 5	67	23.21	0.209	23.23	0.210	23.19	0.208
10 0		13 5	136	22.75	0.188	22.71	0.187	22.64	0.184
10 0		27 0	0	23.16	0.207	23.22	0.210	22.98	0.199
10 0	DFT-s-OFDM 16QAM	1	1	21.96	0.157	22.13	0.163	22.00	0.158
10 0	DFT-s-OFDM 64QAM	1	1	20.47	0.111	20.77	0.119	20.71	0.118
10 0	DFT-s-OFDM 256QAM	1	1	18.26	0.067	18.55	0.072	18.42	0.070
10 0	CP-OFDM QPSK	1	1	21.82	0.152	21.92	0.156	21.74	0.149
10 0	CP-OFDM 16QAM	1	1	21.01	0.126	21.37	0.137	21.27	0.134
10 0	CP-OFDM 64QAM	1	1	19.05	0.080	19.37	0.086	19.27	0.085
10 0	CP-OFDM 256QAM	1	1	16.30	0.043	16.61	0.046	16.64	0.046
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM QPSK	1	1	22.99	0.199	23.15	0.207	22.97	0.198



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Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	23.06	0.202	23.25	0.211	22.88	0.194
Channel				649000	649000	656000	656000	663000	663000
Frequency (MHz)				3735.00	3735.00	3840.00	3840.00	3945.00	3945.00
70	DFT-s-OFDM QPSK	1	1	23.02	0.200	23.23	0.210	22.80	0.191
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840.00	3840.00	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	22.86	0.193	23.02	0.200	22.54	0.179
Channel				648334	648334	656000	656000	663666	663666
Frequency (MHz)				3725.01	3725.01	3840.00	3840.00	3954.99	3954.99
50	DFT-s-OFDM QPSK	1	1	23.10	0.204	23.23	0.210	22.45	0.176
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720.00	3720.00	3840.00	3840.00	3960.00	3960.00
40	DFT-s-OFDM QPSK	1	1	22.98	0.199	23.03	0.201	22.56	0.180
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	23.04	0.201	23.18	0.208	22.71	0.187
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	22.92	0.196	23.03	0.201	22.86	0.193
Channel				647168	647168	656000	656000	664832	664832
Frequency (MHz)				3707.52	3707.52	3840.00	3840.00	3972.48	3972.48
15	DFT-s-OFDM QPSK	1	1	22.96	0.198	23.11	0.205	22.92	0.196
Channel				647000	647000	656000	656000	665000	665000
Frequency (MHz)				3705.00	3705.00	3840.00	3840.00	3975.00	3975.00
10	DFT-s-OFDM QPSK	1	1	22.98	0.199	23.13	0.206	23.13	0.206

n77(3450-3550MHz) (PC3) (ANT8)									
BW [MHz]	Modulation	RB Size	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	22.42	0.175	/	/



10		1	136	/	/	22.41	0.174	/	/
0		1	271	/	/	22.47	0.177	/	/
10		13	1	/	/	22.47	0.177	/	/
0		5	67	/	/	22.39	0.173	/	/
10		13	136	/	/	22.49	0.177	/	/
0		5	0	/	/	22.50	0.178	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	22.52	0.179	/	/
0		1	136	/	/	22.41	0.174	/	/
10		1	271	/	/	22.46	0.176	/	/
0		13	1	/	/	22.35	0.172	/	/
10		5	67	/	/	22.46	0.176	/	/
0		13	136	/	/	22.34	0.171	/	/
10		27	0	/	/	22.44	0.175	/	/
0	DFT-s-OFDM 16QAM	1	1	/	/	22.33	0.171	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	20.58	0.114	/	/
0	DFT-s-OFDM 256QAM	1	1	/	/	18.76	0.075	/	/
10	CP-OFDM QPSK	1	1	/	/	22.00	0.158	/	/
0	CP-OFDM 16QAM	1	1	/	/	21.46	0.140	/	/
10	CP-OFDM 64QAM	1	1	/	/	19.74	0.094	/	/
0	CP-OFDM 256QAM	1	1	/	/	16.86	0.049	/	/
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	22.30	0.170	22.36	0.172	22.44	0.175
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	22.50	0.178	22.46	0.176	22.37	0.173
Channel				632334	632334	633334	633334	634332	634332



Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	22.42	0.175	22.45	0.176	22.44	0.175
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	22.35	0.172	22.41	0.174	22.46	0.176
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00
50	DFT-s-OFDM QPSK	1	1	22.49	0.177	22.41	0.174	22.41	0.174
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	22.42	0.175	22.46	0.176	22.46	0.176
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	22.43	0.175	22.45	0.176	22.46	0.176
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	22.30	0.170	22.43	0.175	22.48	0.177
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	22.28	0.169	22.45	0.176	22.47	0.177
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	22.26	0.168	22.37	0.173	22.44	0.175

n77(3700-3980MHz) (PC3) (ANT8)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750.00	3750.00	3840.00	3840.00	3930.00	3930.00
100	DFT-s-OFDM PI/2 BPSK	1	1	22.37	0.173	22.45	0.176	22.50	0.178
100		1	136	22.32	0.171	22.35	0.172	22.40	0.174
100		1	271	22.31	0.170	22.41	0.174	22.40	0.174
10		13	1	22.26	0.168	22.31	0.170	22.42	0.175



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0		5							
10		13	67	22.26	0.168	22.30	0.170	22.40	0.174
0		5							
10		13	136	22.31	0.170	22.35	0.172	22.36	0.172
0		5							
10		27	0	22.29	0.169	22.40	0.174	22.44	0.175
0		0							
10		1	1	22.36	0.172	22.54	0.179	22.49	0.177
0									
10		1	136	22.24	0.167	22.23	0.167	22.33	0.171
0									
10		1	271	22.46	0.176	22.50	0.178	22.43	0.175
0									
10		13	1	22.25	0.168	22.28	0.169	22.39	0.173
0		5							
10		13	67	22.40	0.174	22.46	0.176	22.31	0.170
0		5							
10		13	136	22.26	0.168	22.24	0.167	22.33	0.171
0		5							
10		27	0	22.35	0.172	22.36	0.172	22.46	0.176
0		0							
10	DFT-s-OFDM	1	1	22.13	0.163	22.29	0.169	22.34	0.171
0	16QAM								
10	DFT-s-OFDM	1	1	20.47	0.111	20.69	0.117	20.72	0.118
0	64QAM								
10	DFT-s-OFDM	1	1	18.54	0.071	18.81	0.076	18.86	0.077
0	256QAM								
10	CP-OFDM	1	1	21.91	0.155	21.11	0.129	21.14	0.130
0	QPSK								
10	CP-OFDM	1	1	21.21	0.132	21.44	0.139	21.50	0.141
0	16QAM								
10	CP-OFDM	1	1	19.67	0.093	19.86	0.097	19.97	0.099
0	64QAM								
10	CP-OFDM	1	1	16.62	0.046	16.89	0.049	16.96	0.050
0	256QAM								
Channel				649666	649666	656000	656000	662332	662332
Frequency (MHz)				3744.99	3744.99	3840.00	3840.00	3934.98	3934.98
90	DFT-s-OFDM	1	1	22.31	0.170	22.26	0.168	22.45	0.176
	QPSK								
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840.00	3840.00	3939.99	3939.99
80	DFT-s-OFDM	1	1	22.23	0.167	22.23	0.167	22.40	0.174
	QPSK								
Channel				649000	649000	656000	656000	663000	663000
Frequency (MHz)				3735.00	3735.00	3840.00	3840.00	3945.00	3945.00
70	DFT-s-OFDM	1	1	22.13	0.163	22.25	0.168	22.33	0.171
	QPSK								
Channel				648668	648668	656000	656000	663332	663332



Frequency (MHz)				3730.02	3730.02	3840.00	3840.00	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	22.06	0.161	22.10	0.162	22.26	0.168
Channel				648334	648334	656000	656000	663666	663666
Frequency (MHz)				3725.01	3725.01	3840.00	3840.00	3954.99	3954.99
50	DFT-s-OFDM QPSK	1	1	22.16	0.164	22.31	0.170	22.33	0.171
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720.00	3720.00	3840.00	3840.00	3960.00	3960.00
40	DFT-s-OFDM QPSK	1	1	22.17	0.165	22.15	0.164	22.13	0.163
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840.00	3840.00	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	22.27	0.169	22.26	0.168	22.22	0.167
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840.00	3840.00	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	22.18	0.165	22.02	0.159	22.07	0.161
Channel				647168	647168	656000	656000	664832	664832
Frequency (MHz)				3707.52	3707.52	3840.00	3840.00	3972.48	3972.48
15	DFT-s-OFDM QPSK	1	1	22.12	0.163	22.11	0.163	22.12	0.163
Channel				647000	647000	656000	656000	665000	665000
Frequency (MHz)				3705.00	3705.00	3840.00	3840.00	3975.00	3975.00
10	DFT-s-OFDM QPSK	1	1	22.08	0.161	22.08	0.161	22.05	0.160

n78(3450-3550MHz)(PC2)(ANT8)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	23.70	0.234	/	/
100		1	136	/	/	23.68	0.233	/	/
100		1	271	/	/	23.31	0.214	/	/
100		135	1	/	/	23.32	0.215	/	/
100		135	67	/	/	23.68	0.233	/	/
100		135	136	/	/	22.71	0.187	/	/



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10 0		27 0	0	/	/	23.21	0.209	/	/
10 0		1	1	/	/	23.75	0.237	/	/
10 0		1	136	/	/	23.60	0.229	/	/
10 0		1	271	/	/	23.29	0.213	/	/
10 0	DFT-s-OFDM QPSK	13 5	1	/	/	22.81	0.191	/	/
10 0		13 5	67	/	/	23.62	0.230	/	/
10 0		13 5	136	/	/	22.72	0.187	/	/
10 0		27 0	0	/	/	22.70	0.186	/	/
10 0	DFT-s-OFDM 16QAM	1	1	/	/	22.90	0.195	/	/
10 0	DFT-s-OFDM 64QAM	1	1	/	/	21.14	0.130	/	/
10 0	DFT-s-OFDM 256QAM	1	1	/	/	19.26	0.084	/	/
10 0	CP-OFDM QPSK	1	1	/	/	22.66	0.185	/	/
10 0	CP-OFDM 16QAM	1	1	/	/	22.07	0.161	/	/
10 0	CP-OFDM 64QAM	1	1	/	/	20.16	0.104	/	/
10 0	CP-OFDM 256QAM	1	1	/	/	17.35	0.054	/	/
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495.00	3495.00	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	23.74	0.237	23.68	0.233	23.73	0.236
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510.00	3510.00
80	DFT-s-OFDM QPSK	1	1	23.70	0.234	23.72	0.236	23.62	0.230
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	23.71	0.235	23.70	0.234	23.61	0.230
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480.00	3480.00	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	23.60	0.229	23.53	0.225	23.37	0.217
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525.00	3525.00



50	DFT-s-OFDM QPSK	1	1	23.57	0.228	23.53	0.225	23.55	0.226
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	23.64	0.231	23.37	0.217	23.15	0.207
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465.00	3465.00	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	23.70	0.234	23.54	0.226	22.98	0.199
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540.00	3540.00
20	DFT-s-OFDM QPSK	1	1	23.61	0.230	23.49	0.223	23.00	0.200
Channel				630500	630500	633334	633334	636166	636166
Frequency (MHz)				3457.50	3457.50	3500.01	3500.01	3542.49	3542.49
15	DFT-s-OFDM QPSK	1	1	23.63	0.231	23.46	0.222	22.94	0.197
Channel				630334	630334	633334	633334	636332	636332
Frequency (MHz)				3455.01	3455.01	3500.01	3500.01	3544.98	3544.98
10	DFT-s-OFDM QPSK	1	1	23.65	0.232	23.52	0.225	23.15	0.207

n78(3700-3800MHz)(PC2) (ANT8)									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				/	/	650000	650000	/	/
Frequency (MHz)				/	/	3750.00	3750.00	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	23.42	0.220	/	/
100		1	136	/	/	23.43	0.220	/	/
100		1	271	/	/	23.49	0.223	/	/
100		135	1	/	/	23.15	0.207	/	/
100		135	67	/	/	23.45	0.221	/	/
100		135	136	/	/	22.83	0.192	/	/
100		270	0	/	/	23.00	0.200	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	23.58	0.228	/	/
10		1	136	/	/	23.46	0.222	/	/