

SAR TEST REPORT

Applicant Aava Mobile Oy
FCC ID 2ABVH-INARI10E2
Product 10" Tablet Computer
Brand AAVA
Model INARI-E-10-T5G-1
Report No. EFTA25070216-IE-02-S1V3
Issue Date April 9, 2026

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **IEEE 1528-2013, ANSI C95.1: 1992, IEEE C95.1: 1991**. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.



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Rev.0	Initial issue of report.	December 26, 2025
Rev.1	Updated data. Updated information.	January 27, 2026
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Rev.3	Updated information.	April 9, 2026
Note: This revised report (Report No.: EFTA25070216-IE-02-S1V3) supersedes and replaces the previously issued report (Report No.: EFTA25070216-IE-02-S1V2). Please discard or destroy the previously issued report and dispose of it accordingly.		

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1 Test Laboratory

1.1 Notes of the Test Report

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1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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E-mail: Kain.Xu@cpt.eurofinscn.com

1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25°C
Relative humidity	Min. = 20%, Max. = 80%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards.	
Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for the EUT are as follows:

Table 1: Highest Reported SAR

Mode	Highest Reported SAR (W/kg)
	1g SAR Body (Separation 0mm) and Triggering Distance Minus 1mm
LTE FDD 7	1.05
LTE FDD 12 (LTE FDD 17)	1.05
LTE FDD 13	1.13
LTE FDD 14	1.13
LTE FDD 25 (LTE FDD 2)	0.96
LTE FDD 26 (LTE FDD 5)	1.08
LTE FDD 30	1.13
LTE TDD 40	0.93
LTE TDD 41 (LTE TDD 38)	0.76
LTE TDD 42	1.17
LTE TDD 43	0.91
LTE TDD 48	1.02
LTE FDD 66 (LTE FDD 4)	1.01
LTE FDD 70	1.16
LTE FDD 71	1.17
NR n7	1.16
NR n12	1.04
NR n14	0.73
NR n25 (NR n2)	1.11
NR n26 (NR n5)	0.94
NR n30	1.09
NR n40	0.99
NR n41 (NR n38)	0.75

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NR n48	0.80
NR n66	1.12
NR n70	1.13
NR n71	1.11
NR n77 (NR n78)	0.79
Wi-Fi (2.4GHz)	1.43
Wi-Fi (5GHz)	1.31
Wi-Fi (6GHz)	0.91
Bluetooth	0.17
Date of Testing: September 1, 2025 ~ November 29, 2025	
Date of Sample Received: July 1, 2025	
Note:	
1. The device is in compliance with SAR for Uncontrolled Environment /General Population exposure limits (1.6 W/kg for body SAR) specified in ANSI C95.1: 1992/IEEE C95.1: 1991, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.	
2. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.	

The Wi-Fi (6GHz) data is sourced from the (Report No.: TCWA25080066102).

- 1) According to TCB workshop October, 2014 RF Exposure Procedures Update (Overlapping LTE Bands):
 - a) Main Antenna SAR for LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range 699-716 MHz); LTE Band 2 (Frequency range: 1850-1915 MHz) is covered by LTE Band 25 (Frequency range 1850-1915 MHz); LTE Band 5 (Frequency range: 824-849 MHz) is covered by LTE Band 26 (Frequency range 814-849 MHz); LTE Band 4 (Frequency range 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz); LTE Band 38 (Frequency range: 2570-2620 MHz) is covered by LTE Band 41 (Frequency range 2496-2690 MHz); NR n2 (Frequency range: 1850-1915 MHz) is covered by NR n25 (Frequency range 1850-1915 MHz); NR n5 (Frequency range: 824-849 MHz) is covered by NR n26 (Frequency range 814-849 MHz); NR n38 (Frequency range: 2570-2620 MHz) is covered by NR n41 (Frequency range 2496-2690 MHz)); NR n78 (Frequency range: 3300-3800 MHz) is covered by NR n77 (Frequency range 3300-4200 MHz) due to similar frequency range, same maximum tune up limit and same channel bandwidth.

The device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits according to the FCC rule § 2.1093, the ANSI C95.1: 1992/IEEE C95.1: 1991 and had been tested in accordance with the measurement methods and procedures specified in IEEE Std 1528-2013.

Table 2: Highest Simultaneous Transmission SAR

Exposure Configuration	1g SAR Body (Separation 0mm)
Highest Simultaneous Transmission SAR (W/kg)	1.59
Note: The detail for simultaneous transmission consideration is described in chapter 10.3.	

3 Description of Equipment Under Test

Client Information

Applicant	Aava Mobile Oy
Applicant address	Nahkatehtaankatu 2, FI-90130 Oulu, Finland
Manufacturer	Aava Mobile Oy
Manufacturer address	Nahkatehtaankatu 2, FI-90130 Oulu, Finland

General Technologies

EUT Stage	Identical Prototype
Model	INARI-E-10-T5G-1
IMEI	355411761014141
Hardware Version	DV2
Software Version	007
Antenna Type	Internal Antenna
Power Class	LTE FDD 2/4/5/7/12/13/14/17/25/26/30/66/70/71: 3 LTE TDD 38/40/41/42/43/48: 3 NR FDD 2/5/7/12/14/25/26/30/66/70/71: 3 NR TDD 38/40/41/48/77/78: 3
Power Level	LTE FDD 2/4/5/7/12/13/14/17/25/26/30/66/70/71: max power LTE TDD 38/40/41/42/43/48: max power NR FDD 2/5/7/12/14/25/26/30/66/70/71: max power NR TDD 38/40/41/48/77/78: max power
EUT Accessory	
Battery	Manufacturer: Shenzhen Guangwei Electronic Technology Co., Ltd. Model: AMME5260
Auxiliary Test Equipment	
Adapter	Manufacturer: Pihong Model: AQ18A-59CFA
Note: The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology		Modulation	Operating mode	Tx (MHz)	Rx (MHz)		
LTE	FDD 2	QPSK, 16QAM, 64QAM, 256QAM	/	1850 ~ 1910	1930 ~ 1990		
	FDD 4			1710 ~ 1755	2110 ~ 2155		
	FDD 5			824 ~ 849	869 ~ 894		
	FDD 7			2500 ~ 2570	2620 ~ 2690		
	FDD 12			699 ~ 716	729 ~ 746		
	FDD 13			777 ~ 787	746 ~ 756		
	FDD 14			788 ~ 798	758 ~ 768		
	FDD 17			704 ~ 716	734 ~ 746		
	FDD 25			1850 ~ 1915	1930 ~ 1995		
	FDD 26			814 ~ 849	859 ~ 894		
	FDD 30			2305 ~ 2315	2350 ~ 2360		
	TDD 38			2570 ~ 2620	2570 ~ 2620		
	TDD 40			2300 ~ 2400	2300 ~ 2400		
	TDD 41			2496 ~ 2690	2496 ~ 2690		
	TDD 42			3400 – 3600	3400 – 3600		
	TDD 43			3600 – 3800	3600 – 3800		
	TDD 48			3550 – 3700	3550 – 3700		
	FDD 66			1710 ~ 1780	2110 ~ 2180		
	FDD 70			1695 ~ 1710	1995 ~ 2020		
	FDD 71			663 ~ 698	617 ~ 652		
	Does this device support Carrier Aggregation (CA) ☐ Yes ☒ No						
	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No						
NR	n2	CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM; DFT-s OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	/	1850 ~ 1910	1930 ~ 1990		
	n5			824 ~ 849	869 ~ 894		
	n7			2500 ~ 2570	2620 ~ 2690		
	n12			699 ~ 716	729 ~ 746		
	n14			788 ~ 798	758 ~ 768		
	n25			1850 ~ 1915	1930 ~ 1995		
	n26			814 ~ 849	859 ~ 894		
	n30			2305 ~ 2315	2350 ~ 2360		

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	n38			2570 ~ 2620	2570 ~ 2620	
	n40			2300 ~ 2400	2300 ~ 2400	
	n41			2496 ~ 2690	2496 ~ 2690	
	n48			3550 – 3700	3550 – 3700	
	n66			1710 ~ 1780	2110 ~ 2180	
	n70			1695 ~ 1710	1995 ~ 2020	
	n71			663 ~ 698	617 ~ 652	
	n77			3300 ~ 4200	3300 ~ 4200	
	n78			3300 ~ 3800	3300 ~ 3800	
Bluetooth	2.4GHz	Version 5.3 BR/EDR + LE		2402 ~2480	2402 ~2480	
Wi-Fi	2.4GHz	DSSS,OFDM,OFDMA	802.11b/g/n HT20/ax HE20	2412 ~ 2462	2412 ~ 2462	
		OFDM,OFDMA	802.11n HT40/ax HE40	2422 ~ 2452	2422 ~ 2452	
	5GHz	OFDM,OFDMA	802.11a			
			802.11n HT20/ HT40	5150 ~ 5250	5150 ~ 5250	
			802.11ac VHT20/ VHT40/ VHT80/ VHT160	5250 ~ 5350	5250 ~ 5350	
			802.11ax HE20/ HE40/ HE80/ HE160	5470 ~ 5725	5470 ~ 5725	
	6GHz	OFDM,OFDMA	802.11ax HE20/ HE40/ HE80/ HE160	5725 ~ 5850	5725 ~ 5850	
5925 ~ 6425				5925 ~ 6425		
6425 ~ 6525				6425 ~ 6525		
Does this device support MIMO ☒ Yes ☐ No						
NFC	13.56MHz					

Note:

Radio equipment in band 28 is only allowed to operate from 703 MHz to 716 MHz for Subset 1; 728 MHz to 746 MHz for Subset 2 for the transmitter. 758 MHz to 771 MHz for Subset 1; 783 MHz to 801 MHz for Subset 2 for the receiver.

Radio equipment in band 40 is only allowed to operate from 2305 MHz to 2315 MHz for Subset 1; 2350 MHz to 2360 MHz for Subset 2 for the transmitter and receiver.

Radio equipment in band n77 is only allowed to operate from 3450 MHz to 3550 MHz for Subset 1; 3700 MHz to 3980 MHz for Subset 2 for the transmitter and receiver.

Radio equipment in band n78 is only allowed to operate from 3450 MHz to 3550 MHz for Subset 1; 3700 MHz to 3800 MHz for Subset 2 for the transmitter and receiver.

4 Test Specification, Methods and Procedures

The tests documented in this report were performed in accordance with FCC 47 CFR § 2.1093, IEEE 1528- 2013, ANSI C95.1: 1992, IEEE C95.1: 1991, the following FCC Published RF exposure KDB procedures:

KDB 248227 D01 802.11Wi-Fi SAR v02r02

KDB 447498 D01 General RF Exposure Guidance v06

KDB 690783 D01 SAR Listings on Grants v01r03

KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04

KDB 865664 D02 RF Exposure Reporting v01r02

KDB 941225 D05 SAR for LTE Devices v02r05

KDB 616217 D04 SAR for laptop and tablets v01r02

5 Operational Conditions during Test

5.1 Test Positions

According to KDB 616217 D04, SAR evaluation is required for back surface and edges of the devices. The back surface and edges of the tablet are tested with the tablet touching the phantom. Exposures from antennas through the front surface of the display section of a tablet are generally limited to the user's hands. Exposures to hands for typical consumer transmitters used in tablets are not expected to exceed the extremity SAR limit; therefore, SAR evaluation for the front surface of tablet display screens are generally not necessary. When voice mode is supported on a tablet and it is limited to speaker mode or headset operations only, additional SAR testing for this type of voice use is not required.

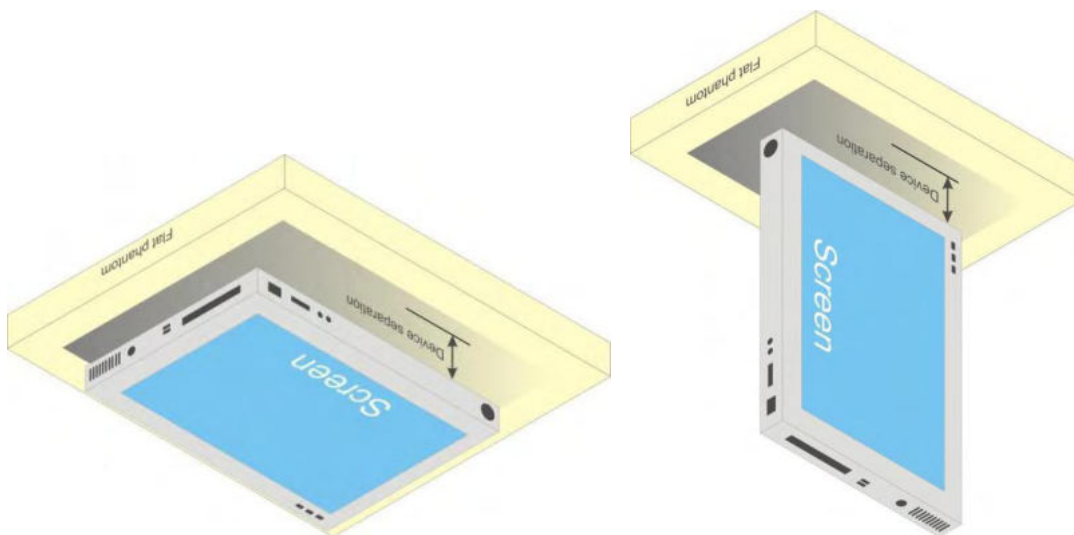


Fig-4.1 Illustration for Tablet Setup

According to KDB 447498 D01, the SAR test exclusion condition is based on source-based time-averaged maximum conducted output power, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The SAR exclusion threshold is determined by the following formula.

(1) The SAR exclusion threshold for distances $\leq 50\text{mm}$ is defined by the following equation:

$$\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} * \sqrt{\text{Frequency (GHz)}} \leq 3.0$$

(2) The SAR exclusion threshold for distances $> 50\text{mm}$ is defined by the following equation, as illustrated in KDB 447498 D01 Appendix B:

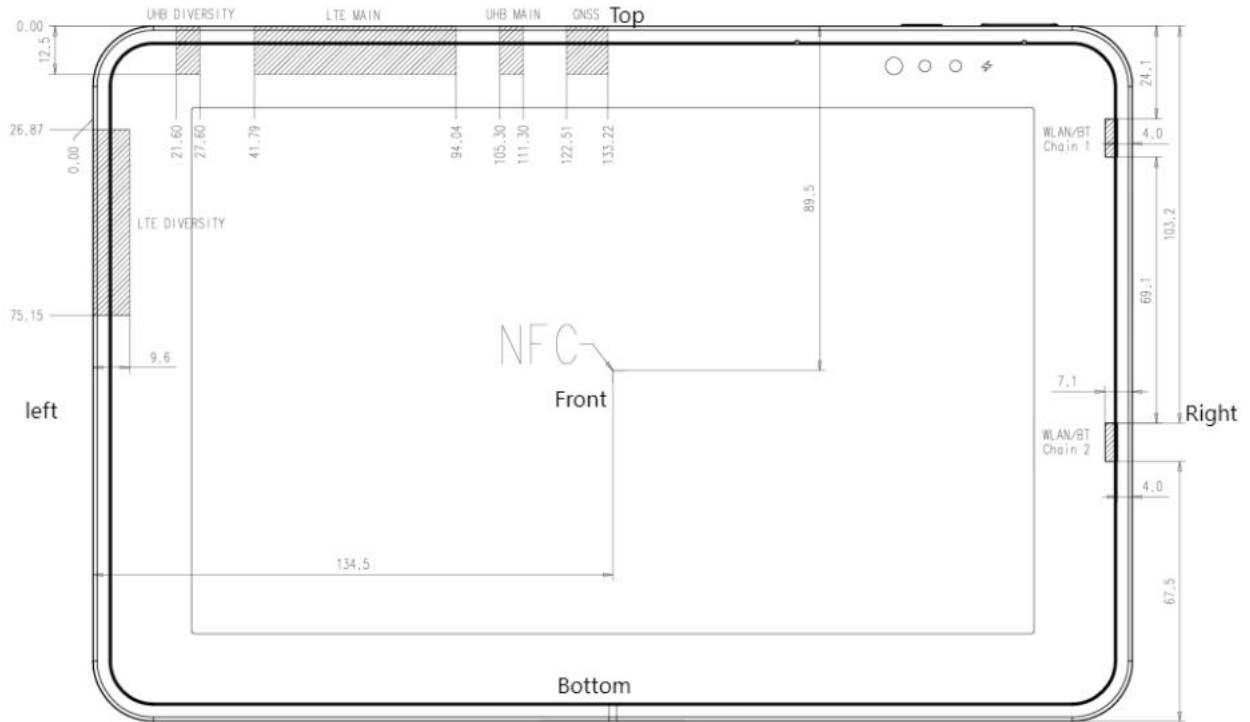
a) at 100 MHz to 1500 MHz

$$[\text{Power allowed at numeric Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f_{\text{(MHz)}}/150)] \text{ mW}$$

b) at $> 1500 \text{ MHz}$ and $\leq 6 \text{ GHz}$

$$[\text{Power allowed at numeric Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f_{\text{(GHz)}}/6)] \text{ mW}$$

distance - 50 mm) · 10] mW



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Band	Frequency (MHz)	Max. Tune-up Power (dBm)	Back Side			Left Edge			Right Edge			Top Edge			Bottom Edge		
			Ant. To Surgace (mm)	Evaluation	Conclusion	Ant. To Surgace (mm)	Evaluation	Conclusion	Ant. To Surgace (mm)	Evaluation	Conclusion	Ant. To Surgace (mm)	Evaluation	Conclusion	Ant. To Surgace (mm)	Evaluation	Conclusion
LTE 7	2510	24	1.4	284.26	Yes	41.8	9.52	Yes	175	1257.96	No	1.4	284.26	Yes	168.2	558.97	No
LTE 12	704	24	1.4	150.54	Yes	41.8	5.04	Yes	175	590.88	No	1.4	150.54	Yes	168.2	558.97	No
LTE 13	782	24	1.4	158.66	Yes	41.8	5.31	Yes	175	656.11	No	1.4	158.66	Yes	168.2	620.66	No
LTE 14	793	24	1.4	159.77	Yes	41.8	5.35	Yes	175	665.31	No	1.4	159.77	Yes	168.2	629.36	No
LTE 25	1882.5	24	1.4	246.17	Yes	41.8	8.25	Yes	175	1256.89	No	1.4	246.17	Yes	168.2	620.66	No
LTE 26	821.5	24	1.4	162.62	Yes	41.8	5.45	Yes	175	689.14	No	1.4	162.62	Yes	168.2	651.90	No
LTE 30	2310	24	1.4	272.70	Yes	41.8	9.13	Yes	175	1257.64	No	1.4	272.70	Yes	168.2	629.36	No
LTE 38	2595	24	1.4	289.03	Yes	41.8	9.68	Yes	175	1258.09	No	1.4	289.03	Yes	168.2	651.90	No
LTE 40	2355	24	1.4	275.34	Yes	41.8	9.22	Yes	175	1257.71	No	1.4	275.34	Yes	168.2	534.45	No
LTE 41	2680	24	1.4	293.72	Yes	41.8	9.84	Yes	175	1258.22	No	1.4	293.72	Yes	168.2	560.94	No
LTE 42	3590	22.5	1.4	240.67	Yes	41.8	8.06	Yes	175	1256.74	No	1.4	240.67	Yes	168.2	628.05	No
LTE 43	3610	22.5	1.4	241.34	Yes	41.8	8.08	Yes	175	1256.76	No	1.4	241.34	Yes	168.2	652.54	No
LTE 48	3660	22.5	1.4	243.00	Yes	41.8	8.14	Yes	175	1256.80	No	1.4	243.00	Yes	168.2	545.09	No
LTE 66	1770	24	1.4	238.70	Yes	41.8	7.99	Yes	175	1256.68	No	1.4	238.70	Yes	168.2	546.31	No
LTE 71	673	24	1.4	147.19	Yes	41.8	4.93	Yes	175	564.95	No	1.4	147.19	Yes	168.2	534.45	No
n7	2510	24	1.4	284.26	Yes	41.8	9.52	Yes	175	1257.96	No	1.4	284.26	Yes	168.2	546.31	No
n12	706.5	24	1.4	150.81	Yes	41.8	5.05	Yes	175	592.97	No	1.4	150.81	Yes	168.2	560.94	No
n14	793	24	1.4	159.77	Yes	41.8	5.35	Yes	175	665.31	No	1.4	159.77	Yes	168.2	629.36	No
n25	1860	24	1.4	244.70	Yes	41.8	8.20	Yes	175	1256.85	No	1.4	244.70	Yes	168.2	546.31	No
n26	824	24	1.4	162.87	Yes	41.8	5.45	Yes	175	691.23	No	1.4	162.87	Yes	168.2	653.87	No
n30	2310	23	1.4	216.61	Yes	41.8	7.25	Yes	175	1256.07	No	1.4	216.61	Yes	168.2	545.45	No
n40	2310	24	1.4	272.70	Yes	41.8	9.13	Yes	175	1257.64	No	1.4	272.70	Yes	168.2	546.31	No
n41	2679.99	24	1.4	293.72	Yes	41.8	9.84	Yes	175	1258.22	No	1.4	293.72	Yes	168.2	546.31	No
n48	3560.01	22.5	1.4	239.66	Yes	41.8	8.03	Yes	175	1256.71	No	1.4	239.66	Yes	168.2	545.09	No
n66	1720	24	1.4	235.31	Yes	41.8	7.88	Yes	175	1256.59	No	1.4	235.31	Yes	168.2	546.31	No
n71	688	24	1.4	148.82	Yes	41.8	4.98	Yes	175	577.50	No	1.4	148.82	Yes	168.2	546.31	No
n77	3540	24	1.4	337.58	Yes	41.8	11.31	Yes	175	1259.45	No	1.4	337.58	Yes	168.2	546.31	No
n78	3540	24	1.4	337.58	Yes	41.8	11.31	Yes	175	1259.45	No	1.4	337.58	Yes	168.2	546.31	No
Wi-Fi 2.4G Ant 1	2462	21.00	2.85	69.31	Yes	261.92	2123.15	No	3.97	49.76	Yes	24	8.23	Yes	146.5	968.95	No
Wi-Fi 5G Ant 1	5850	18.50	2.85	60.08	Yes	261.92	2122.62	No	3.97	43.13	Yes	24	7.13	Yes	146.5	968.42	No
Bluetooth Ant 1	2480	8.50	2.85	3.91	Yes	261.92	2119.42	No	3.97	2.81	No	24	0.46	No	146.5	965.22	No
Wi-Fi 2.4G Ant 2	2462	20.00	2.85	55.06	Yes	261.92	2122.34	No	3.97	39.52	Yes	103	533.14	No	67.5	178.14	No
Wi-Fi 5G Ant 2	5850	17.50	2.85	47.72	Yes	261.92	2121.92	No	3.97	34.26	Yes	103	532.72	No	67.5	177.72	No
Bluetooth Ant 2	2480	8.50	2.85	3.91	Yes	261.92	2119.42	No	3.97	2.81	No	103	530.22	No	67.5	175.22	No

5.2 Measurement Variability

Per FCC KDB Publication 865664 D01, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
- 4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

5.3 Test Configuration

5.2.1 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR. The R&S CMW500 was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

B) MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

C) A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

D) Largest Channel Bandwidth Standalone SAR Test Requirements

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4) Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum

output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

E) Other Channel Bandwidth Standalone SAR Test Requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

5.2.2 Additional Requirements for TDD LTE Specification

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

TDD LTE Band supports 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table: Uplink-downlink configurations for uplink-downlink configurations and Table: Configuration of special subframe (lengths of DwPTS/GP/UpPTS) for Special subframe configurations.

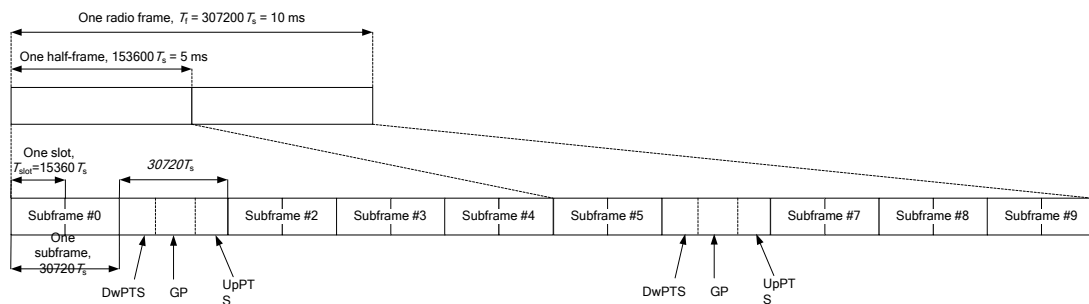


Figure 1: Frame structure type 2

Table 3: Configuration of Special Subframe (Lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$	-	-
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$			-	-	-

Table 4: Uplink-Downlink Configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

According to Figure 1, one radio frame is configured by 10 subframes, which consist of Uplink-subframe, Downlink-subframe and Special subframe. For TDD-LTE, the Duty Cycle should be calculated on Uplink-subframes and Special subframes, due to Special subframe containing both Uplink transmissions. So for one radio frame, Duty Cycle can be calculated with formula as below. The count of Uplink subframes are according to Table: Uplink-downlink configurations:

$$\text{Duty cycle} = (30720T_s \cdot \text{Ups} + \text{Uplink Component} \cdot \text{Specials}) / (307200T_s)$$

About the uplink component of Special subframes, we can figure out by Table: Configuration of special subframe (lengths of DwPTS/GP/UpPTS):

$$\text{Uplink Component} = \text{UpPTS}$$

In conclusion, for the TDD LTE Band, Duty Cycle can be calculated with formula as below. All these sets are ok when we test, or we can set as below.

$$\text{Duty cycle} = [(30720T_s \cdot \text{Ups}) + \text{UpPTS} \cdot \text{Specials}] / (307200T_s)$$

And we can get different Duty cycles under different configurations:

Uplink-downlink configuration	Subframe number			Configuration of special subframe							
				Normal cyclic prefix in downlink				Extended cyclic prefix in downlink			
				Normal cyclic prefix in uplink		Extended cyclic prefix in uplink		Normal cyclic prefix in uplink		Extended cyclic prefix in uplink	
	D	S	U	configuration 0~4	configuration 5~9	configuration 0~4	configuration 5~9	configuration 0~3	configuration 4~7	configuration 0~3	configuration 4~7
0	2	2	6	61.43%	62.85%	61.67%	63.33%	61.43%	62.85%	61.67%	63.33%
1	4	2	4	41.43%	42.85%	41.67%	43.33%	41.43%	42.85%	41.67%	43.33%
2	6	2	2	21.43%	22.85%	21.67%	23.33%	21.43%	22.85%	21.67%	23.33%
3	6	1	3	30.71%	31.43%	30.83%	31.67%	30.71%	31.43%	30.83%	31.67%
4	7	1	2	20.71%	21.43%	20.83%	21.67%	20.71%	21.43%	20.83%	21.67%
5	8	1	1	10.71%	11.43%	10.83%	11.67%	10.71%	11.43%	10.83%	11.67%
6	3	2	5	51.43%	52.85%	51.67%	53.33%	51.43%	52.85%	51.67%	53.33%

SAR test Plan: For TDD LTE, SAR should be tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7 for Frame structure type

The screenshot shows the 'LTE Signaling - Configuration' window. The 'Physical Cell Setup' section is highlighted with a red box. The 'TDD' section is also highlighted with a red box, showing 'Uplink Downlink Configuration' set to 0 and 'Special Subframe' set to 7. The 'LTE Signaling' button on the right is highlighted with a red box and labeled 'ON'.

5.2.3 5G NR Test Configuration

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

The worst-case scenario for all measurements is based on an engineering evaluation and QPSK was observed as the worst one and set for all conducted and radiated. Output power measurements were measured on QPSK, 16QAM, 64QAM, 256QAM, and BPSK, modulations.

5.2.4 Wi-Fi Test Configuration

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; These are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the *initial test position(s)* by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The *initial test position(s)* is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the *reported SAR* for the *initial test position* is:

- ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the *initial test position* to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the *reported SAR* is ≤ 0.8 W/kg or all required test positions are tested.
 - ✧ For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
 - ✧ When it is unclear, all equivalent conditions must be tested.
- For all positions/configurations tested using the *initial test position* and subsequent test positions, when the *reported SAR* is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the *reported SAR* is ≤ 1.2 W/kg or all required test channels are considered.
 - ✧ The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply

the test reduction.

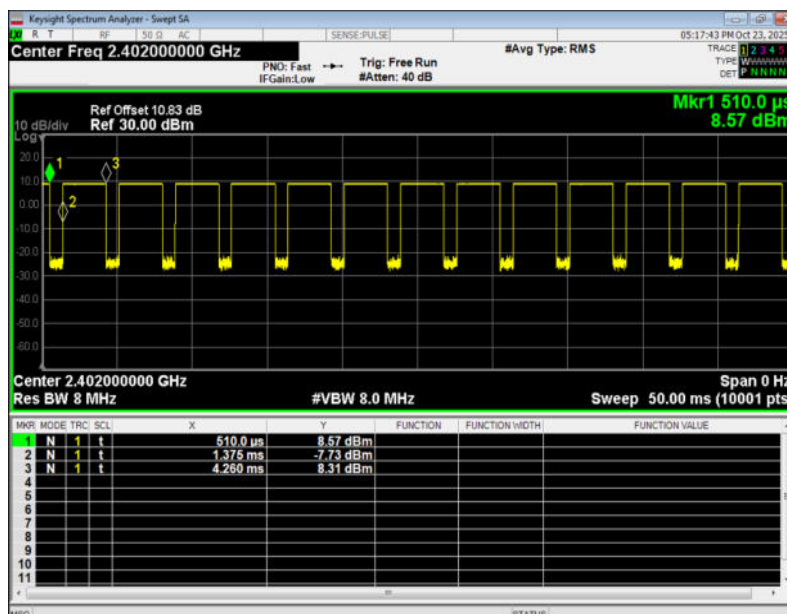
To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement.

5.2.5 Bluetooth Test Configuration

For Bluetooth SAR testing, Bluetooth engineering testing software installed on the EUT can provide continuous transmitting RF signal with maximum output power. And the CBT control the EUT operating with hopping off and data rate set for DH5.

The SAR measurement takes full account of the Bluetooth duty cycle and is reflected in the report, and the duty factor of the device is as follow:



Note: Duty factor= 76.9%

5.2.6 Proximity Sensor Power Reduction Description

This device adopts a proximity sensor that operates with a separate metal electrode from the transmitting antenna, so as to realize the triggering function during the user's regular interaction with the device. Due to the operating configurations and exposure conditions required by the device, the proximity sensor is used to indicate when the tablet is held close to a user's body exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes to ensure SAR compliance for the following scenarios: To reduce the output power of main antennas during body operating configurations. It is also set an output power leveled to the lowest one to make sure that in any case of SAR sensor hardware failure the SAR requirements can still be satisfied.

Main Antenna				
Band	Test Position	Sensor Trigger Distance Range (DUT to Phantom)	Power Reduction Amount(dB)	Power Level
LTE B2	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B4	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B5	Back Side	0mm≤Distance≤23mm	4.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	4.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	4.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B7	Back Side	0mm≤Distance≤23mm	8.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	8.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	8.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B12	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off

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	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B13	Back Side	0mm≤Distance≤23mm	5.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	5.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	5.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B14	Back Side	0mm≤Distance≤23mm	4.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	4.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	4.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B17	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B25	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B26	Back Side	0mm≤Distance≤23mm	4.5	Sensor on

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		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	4.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	4.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B30	Back Side	0mm≤Distance≤23mm	8.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	8.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	8.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B38	Back Side	0mm≤Distance≤23mm	5.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	5.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	5.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B40	Back Side	0mm≤Distance≤23mm	8	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	8	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	8	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B41	Back Side	0mm≤Distance≤23mm	7	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	7	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	7	Sensor on
		25mm<Distance	0	Sensor off

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	Bottom Edge	/	0	Sensor off
LTE B42	Back Side	0mm≤Distance≤23mm	9	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	9	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	9	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B43	Back Side	0mm≤Distance≤23mm	11	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	11	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	11	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B48	Back Side	0mm≤Distance≤23mm	9	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	9	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	9	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B66	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B70	Back Side	0mm≤Distance≤23mm	6	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off

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	Top Edge	0mm≤Distance≤25mm	6	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
LTE B71	Back Side	0mm≤Distance≤23mm	5.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	5.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	5.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n2	Back Side	0mm≤Distance≤23mm	8	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	8	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	8	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n5	Back Side	0mm≤Distance≤23mm	4	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	4	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	4	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n7	Back Side	0mm≤Distance≤23mm	9.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	9.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	9.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n12	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on

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		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n14	Back Side	0mm≤Distance≤23mm	7	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	7	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	7	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n25	Back Side	0mm≤Distance≤23mm	8	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	8	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	8	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n26	Back Side	0mm≤Distance≤23mm	4	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	4	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	4	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n30	Back Side	0mm≤Distance≤23mm	9	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	9	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	9	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n38	Back Side	0mm≤Distance≤23mm	2	Sensor on
		23mm<Distance	0	Sensor off

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	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	2	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	2	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n40	Back Side	0mm≤Distance≤23mm	2.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	2.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	2.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n41	Back Side	0mm≤Distance≤23mm	2	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	2	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	2	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n48	Back Side	0mm≤Distance≤23mm	5.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	5.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	5.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n66	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off

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NR n70	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n71	Back Side	0mm≤Distance≤23mm	5.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	5.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	5.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n77	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
NR n78	Back Side	0mm≤Distance≤23mm	6.5	Sensor on
		23mm<Distance	0	Sensor off
	Front Side	/	0	Sensor off
	Left Edge	0mm≤Distance≤10mm	6.5	Sensor on
		10mm<Distance	0	Sensor off
	Right Edge	/	0	Sensor off
	Top Edge	0mm≤Distance≤25mm	6.5	Sensor on
		25mm<Distance	0	Sensor off
	Bottom Edge	/	0	Sensor off

Antenna 1				
Bands	Test Position	Sensor Trigger Distance Range (DUT to Phantom)	Power Reduction amount(dB)	Power Level
Wi-Fi 2.4G	Back side	0mm≤distance≤23mm	11.5	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off

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	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	11.5	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	11.5	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-1	Back side	0mm≤distance≤23mm	6.5	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	6.5	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	6.5	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-2A	Back side	0mm≤distance≤23mm	6.5	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	6.5	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	6.5	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-2C	Back side	0mm≤distance≤23mm	8.5	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	8.5	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	8.5	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-3	Back side	0mm≤distance≤23mm	8	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	8	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	8	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off

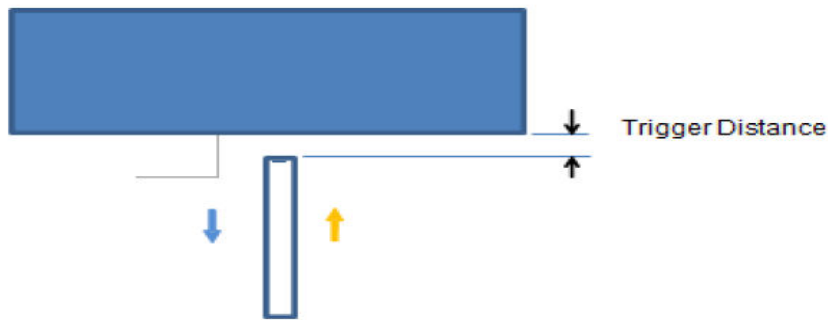
Antenna 2				
Bands	Test Position	Sensor Trigger Distance Range (DUT to Phantom)	Power Reduction amount(dB)	Power Level
Wi-Fi 2.4G	Back side	0mm≤distance≤23mm	10.5	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	10.5	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	10.5	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-1	Back side	0mm≤distance≤23mm	6	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	6	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	6	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-2A	Back side	0mm≤distance≤23mm	6	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	6	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	6	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-2C	Back side	0mm≤distance≤23mm	7	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off
	Left edge	/	0	Sensor off
	Right edge	0mm≤distance≤8mm	7	Sensor on
		8mm<distance	0	Sensor off
	Top edge	0mm≤distance≤7.5mm	7	Sensor on
		7.5mm<distance	0	Sensor off
	Bottom Edge	/	0	Sensor off
Wi-Fi 5G U-NII-3	Back side	0mm≤distance≤23mm	8	Sensor on
		23mm<distance	0	Sensor off
	Front side	/	0	Sensor off

	Left edge	/	0	Sensor off
	Right edge	$0\text{mm} \leq \text{distance} \leq 8\text{mm}$	8	Sensor on
		$8\text{mm} < \text{distance}$	0	Sensor off
	Top edge	$0\text{mm} \leq \text{distance} \leq 7.5\text{mm}$	8	Sensor on
		$7.5\text{mm} < \text{distance}$	0	Sensor off
	Bottom Edge	/	0	Sensor off

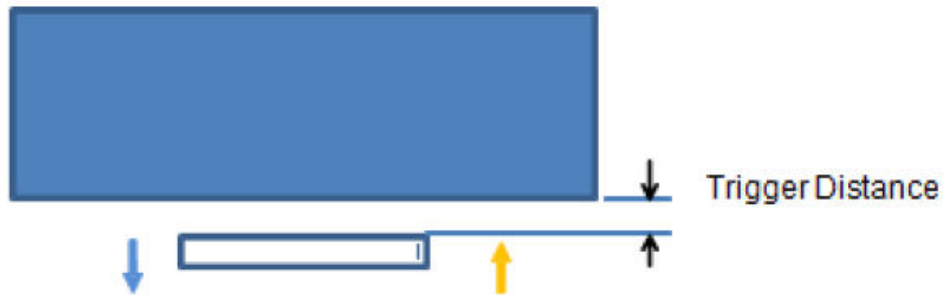
1. Proximity Sensor Coverage, Distance and Angle

1.1) Procedures for determining proximity sensor triggering distances

The proximity sensor triggering distance measurement method are as below:



Picture: Proximity sensor triggering distances assessment (Left/Right/Top side)



Picture: Proximity sensor triggering distances assessment (Back side)

Band	Trigger distance- Back Side		Trigger distance- Left Edge		Trigger distance- Right Edge		Trigger distance- Top Edge	
	Moving toward Phantom(mm)	Moving away from Phantom(mm)	Moving toward Phantom(mm)	Moving away from Phantom(mm)	Moving toward Phantom(mm)	Moving away from Phantom(mm)	Moving toward Phantom(mm)	Moving away from Phantom(mm)
LTE B2	23	23	10	10	/	/	25	25
LTE B4	23	23	10	10	/	/	25	25
LTE B5	23	23	10	10	/	/	25	25

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LTE B7	23	23	10	10	/	/	25	25
LTE B12	23	23	10	10	/	/	25	25
LTE B13	23	23	10	10	/	/	25	25
LTE B14	23	23	10	10	/	/	25	25
LTE B17	23	23	10	10	/	/	25	25
LTE B25	23	23	10	10	/	/	25	25
LTE B26	23	23	10	10	/	/	25	25
LTE B30	23	23	10	10	/	/	25	25
LTE B38	23	23	10	10	/	/	25	25
LTE B40	23	23	10	10	/	/	25	25
LTE B41	23	23	10	10	/	/	25	25
LTE B42	23	23	10	10	/	/	25	25
LTE B43	23	23	10	10	/	/	25	25
LTE B48	23	23	10	10	/	/	25	25
LTE B66	23	23	10	10	/	/	25	25
LTE B70	23	23	10	10	/	/	25	25
LTE B71	23	23	10	10	/	/	25	25
NR n2	23	23	10	10	/	/	25	25
NR n5	23	23	10	10	/	/	25	25
NR n7	23	23	10	10	/	/	25	25
NR n12	23	23	10	10	/	/	25	25
NR n14	23	23	10	10	/	/	25	25
NR n25	23	23	10	10	/	/	25	25
NR n26	23	23	10	10	/	/	25	25
NR n30	23	23	10	10	/	/	25	25
NR n38	23	23	10	10	/	/	25	25
NR n40	23	23	10	10	/	/	25	25
NR n41	23	23	10	10	/	/	25	25
NR n48	23	23	10	10	/	/	25	25
NR n66	23	23	10	10	/	/	25	25
NR n70	23	23	10	10	/	/	25	25
NR n71	23	23	10	10	/	/	25	25
NR n77	23	23	10	10	/	/	25	25
NR n78	23	23	10	10	/	/	25	25
Wi-Fi 2.4G	23	23	/	/	8	8	7.5	7.5
Wi-Fi 5G U-NII-1	23	23	/	/	8	8	7.5	7.5
Wi-Fi 5G U-NII-2A	23	23	/	/	8	8	7.5	7.5
Wi-Fi 5G U-NII-2C	23	23	/	/	8	8	7.5	7.5
Wi-Fi 5G U-NII-3	23	23	/	/	8	8	7.5	7.5

Table: Power Reduction Status (Moving toward phantom)

Position	Art	Band	Power Reduction Status(dBm)																																
			37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	4	1	
Back Side	Main Antenna	LTE B2	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63
Back Side	Main Antenna	LTE B4	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69
Back Side	Main Antenna	LTE B5	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58
Back Side	Main Antenna	LTE B7	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79	23.79
Back Side	Main Antenna	LTE B12	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58
Back Side	Main Antenna	LTE B14	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63
Back Side	Main Antenna	LTE B17	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63
Back Side	Main Antenna	LTE B25	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78
Back Side	Main Antenna	LTE B26	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64
Back Side	Main Antenna	LTE B30	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55
Back Side	Main Antenna	LTE B38	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72
Back Side	Main Antenna	LTE B40	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31	23.31
Back Side	Main Antenna	LTE B42	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36
Back Side	Main Antenna	LTE B43	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45
Back Side	Main Antenna	LTE B48	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47
Back Side	Main Antenna	LTE B50	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85	23.85
Back Side	Main Antenna	LTE B70	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	
Back Side	Main Antenna	LTE B71	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44
Back Side	Main Antenna	NR n2	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56	22.56
Back Side	Main Antenna	NR n5	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78
Back Side	Main Antenna	NR n7	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	
Back Side	Main Antenna	NR n12	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	
Back Side	Main Antenna	NR n14	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	
Back Side	Main Antenna	NR n25	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	
Back Side	Main Antenna	NR n26	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	
Back Side	Main Antenna	NR n30	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18	23.18
Back Side	Main Antenna	NR n38	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68
Back Side	Main Antenna	NR n40	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36
Back Side	Main Antenna	NR n41	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19
Back Side	Main Antenna	NR n48	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	
Back Side	Main Antenna	NR n50	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	
Back Side	Main Antenna	NR n70	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	
Back Side	Main Antenna	NR n71	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	22.75	
Back Side	Main Antenna	NR n72	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	22.51	
Back Side	Main Antenna	NR n73	22.61	22.61	22.61	22.61	22.61	22.61	22.6																										

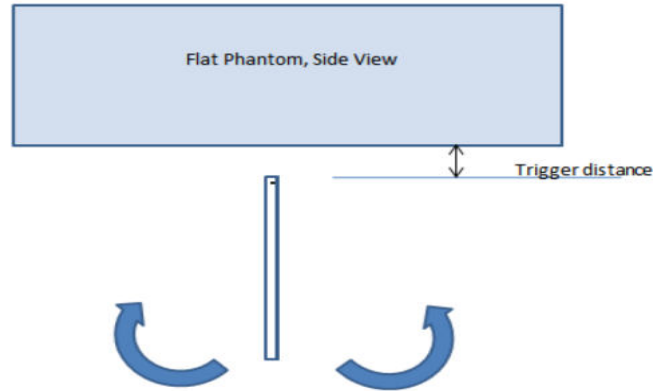
Position	Ant	Band	Power Reduction Strategy(Bm)																																
			31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
Left Edge	Main Antenna	LTE B4	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14
Left Edge	Main Antenna	LTE B4	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	23.69	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77	16.77
Left Edge	Main Antenna	LTE B5	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	15.86	
Left Edge	Main Antenna	LTE B7	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	15.14	15.14	15.14	15.14	15.14	15.14	15.14	15.14	15.14	15.14	
Left Edge	Main Antenna	LTE B12	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	23.58	16.63	16.63	16.63	16.63	16.63	16.63	16.63	16.63	16.63	16.63	
Left Edge	Main Antenna	LTE B13	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	
Left Edge	Main Antenna	LTE B17	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	18.90	18.90	18.90	18.90	18.90	18.90	18.90	18.90	18.90	18.90	
Left Edge	Main Antenna	LTE B17	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	23.63	16.64	16.64	16.64	16.64	16.64	16.64	16.64	16.64	16.64	16.64	
Left Edge	Main Antenna	LTE B25	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	23.78	17.08	17.08	17.08	17.08	17.08	17.08	17.08	17.08	17.08	17.08	
Left Edge	Main Antenna	LTE B25	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64	16.87	16.87	16.87	16.87	16.87	16.87	16.87	16.87	16.87	16.87	
Left Edge	Main Antenna	LTE B30	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	14.02	14.02	14.02	14.02	14.02	14.02	14.02	14.02	14.02	14.02	
Left Edge	Main Antenna	LTE B38	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	23.72	18.01	18.01	18.01	18.01	18.01	18.01	18.01	18.01	18.01	18.01		
Left Edge	Main Antenna	LTE B40	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	23.51	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24	16.24		
Left Edge	Main Antenna	LTE B40	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	23.52	16.52	16.52	16.52	16.52	16.52	16.52	16.52	16.52	16.52	16.52		
Left Edge	Main Antenna	LTE B42	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	22.36	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76		
Left Edge	Main Antenna	LTE B43	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	22.45	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.76		
Left Edge	Main Antenna	LTE B48	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	21.47	14.27	14.27	14.25	14.25	14.25	14.25	14.25	14.25	14.25	14.25		
Left Edge	Main Antenna	LTE B66	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	23.86	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98	18.98		
Left Edge	Main Antenna	LTE B70	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	22.90	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39		
Left Edge	Main Antenna	LTE B71	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	17.58	17.58	17.58	17.58	17.58	17.58	17.58	17.58	17.58	17.58		
Left Edge	Main Antenna	LTE B71	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	14.78	14.78	14.78	14.78	14.78	14.78	14.78	14.78	14.78	14.78		
Left Edge	Main Antenna	NR n5	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	22.78	19.87	19.87	19.87	19.87	19.87	19.87	19.87	19.87	19.87	19.87		
Left Edge	Main Antenna	NR n7	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17	17.17	17.17	17.17	17.17	17.17	17.17	17.17	17.17	17.17	17.17		
Left Edge	Main Antenna	NR n12	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	22.74	16.63	16.63	16.63	16.63	16.63	16.63	16.63	16.63	16.63	16.63		
Left Edge	Main Antenna	NR n14	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	22.52	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37	16.37		
Left Edge	Main Antenna	NR n25	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89		
Left Edge	Main Antenna	NR n28	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	22.67	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56	16.56		
Left Edge	Main Antenna	NR n31	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	22.55	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89		
Left Edge	Main Antenna	NR n38	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	22.68	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83		
Left Edge	Main Antenna	NR n40	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	23.36	20.83	20.83	20.83	20.83	20.83	20.83	20.83	20.83	20.83	20.83		
Left Edge	Main Antenna	NR n41	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	23.19	19.19	19.19	19.19	19.19	19.19	19.19	19.19	19.19	19.19	19.19		
Left Edge	Main Antenna	NR n48	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	21.55	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05	16.05		
Left Edge	Main Antenna	NR n56	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	22.64	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83	16.83		
Left Edge	Main Antenna	NR n70	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	23.13	16.90	16.90	16.90	16.90	16.90	16.90	16.90	16.90	16.90	16.90		
Left Edge	Main Antenna	NR n71	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	16.19	16.19	16.19	16.19	16.19	16.19	16.19	16.19	16.19	16.19		
Left Edge	Main Antenna	NR n77	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93	22.93															

[illegible]

Table: Power Reduction Status (Moving away from phantom)[illegible]

[illegible]

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Proximity sensor coverage assessment

Table: Summary of Tablet Tilt Angle Influence to Proximity Sensor Triggering

Band(MHz)	Position	Minimum Trigger Distance at which Power Reduction was Maintained over $\pm 45^\circ$	Power Reduction Status											
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°	
LTE B2	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B4	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B5	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B7	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B12	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B13	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B14	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B17	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B25	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B26	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B30	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B38	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B40	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B41	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B42	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B43	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B48	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B66	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B70	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
LTE B71	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
NR n2	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
NR n5	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
NR n7	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
NR n12	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	
NR n14	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on	

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NR n25	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n26	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n30	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n38	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n40	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n41	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n48	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n66	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n70	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n71	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n77	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
NR n78	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 2.4G	Left Edge	10mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-1	Left Edge	8mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-2A	Left Edge	8mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-2C	Left Edge	8mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-3	Left Edge	8mm	on	on	on	on	on	on	on	on	on	on	on
LTE B2	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B4	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B5	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B7	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B12	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B13	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B14	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B17	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B25	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B26	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B30	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B38	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B40	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B41	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B42	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B43	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B48	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B66	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B70	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
LTE B71	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n2	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n5	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n7	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n12	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n14	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n25	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on

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NR n26	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n30	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n38	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n40	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n41	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n48	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n66	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n70	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n71	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n77	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
NR n78	Top Edge	25mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 2.4G	Top Edge	7.5mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-1	Top Edge	7.5mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-2A	Top Edge	7.5mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-2C	Top Edge	7.5mm	on	on	on	on	on	on	on	on	on	on	on
Wi-Fi 5G U-NII-3	Top Edge	7.5mm	on	on	on	on	on	on	on	on	on	on	on

Conclusion:

As is shown from the validation data, it can be ensured that the proximity sensor can be valid triggered for the EUT tilt coverage exposure condition (LTE Band 2/4/5/7/12/13/14/17/25/26/30/38/40/41/42/43/48/66/70/71, NR n2/5/7/12/14/25/26/30/38/40/41/48/66/70/71/77/78 with Main Antenna; Wi-Fi 2.4G/5G with WLAN Antenna)

2. Summary Additional SAR Test Plan for Proximity Sensor Power Reduction

The smallest separation distance determined by the sensor triggering and sensor coverage for normal and tilt positions for all usage conditions, minus 1 mm, must be used as the test separation distance for additional SAR testing with sensor off.

For this device, as proximity sensor power reduction supports multiple power stages, so we plan that the additional SAR should be considered at the conservative distance, minus 1 mm, for each power stage.

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Main Antenna		Max Power Reduction Level Amount (dB)																			
Power Reduction Scenario	Mode	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B13	LTE B14	LTE B17	LTE B25	LTE B26	LTE B30	LTE B38	LTE B40	LTE B41	LTE B42	LTE B43	LTE B48	LTE B66	LTE B70	LTE B71
Full power	Full power	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	23.00	24.00	24.00	24.00	22.50	22.50	22.50	24.00	24.00	24.00
	Sensor off	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Standalone	Sensor on	6.50	6.50	4.50	8.50	6.50	5.50	4.50	6.50	6.50	4.50	8.50	5.50	8.00	7.00	9.00	11.00	9.00	6.50	6.00	5.50
	Sensor off	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simultaneous	Wi-Fi on	Sensor off	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sensor on	6.50	6.50	4.50	8.50	6.50	5.50	4.50	6.50	6.50	4.50	8.50	5.50	8.00	7.00	9.00	11.00	9.00	6.50	6.00	5.50

Main Antenna		Max Power Reduction Level Amount (dB)															
Power Reduction Scenario	Mode	NR n2	NR n5	NR n7	NR n12	NR n14	NR n25	NR n26	NR n30	NR n38	NR n40	NR n41	NR n48	NR n66	NR n70	NR n71	NR n77
Full power	Full power	24.00	24.00	24.00	24.00	24.00	24.00	24.00	23.00	24.00	24.00	24.00	22.50	24.00	24.00	24.00	24.00
	Sensor off	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Standalone	Sensor on	8.00	4.00	9.50	6.50	7.00	8.00	4.00	9.00	2.00	2.50	2.00	5.50	6.50	5.50	6.50	6.50
	Sensor off	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simultaneous	Wi-Fi on	Sensor off	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sensor on	8.00	4.00	9.50	6.50	7.00	8.00	4.00	9.00	2.00	2.50	2.00	5.50	6.50	5.50	6.50	6.50

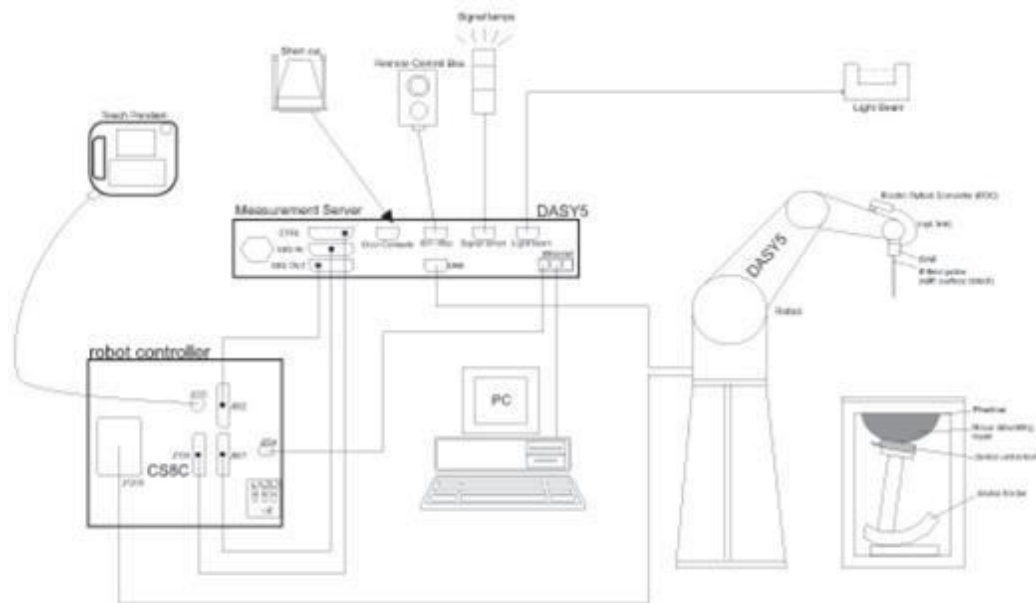
WLAN Antenna 1		Max Power Reduction Level Amount (dB)				
Power Reduction Scenario	Mode	WIFI 2.4G	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
Full power	Full power	21.00	17.50	17.50	18.50	17.50
	Sensor off	0.00	0.00	0.00	0.00	0.00
Standalone	Sensor on	9.50	11.00	11.00	10.00	9.50
	Sensor off	0.00	0.00	0.00	0.00	0.00
Simultaneous	WWAN on	Sensor off	0.00	0.00	0.00	0.00
	Sensor on	9.50	11.00	11.00	10.00	9.50

WLAN Antenna 2		Max Power Reduction Level Amount (dB)				
Power Reduction Scenario	Mode	WIFI 2.4G	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
Full power	Full power	20.00	17.00	17.00	17.00	17.50
	Sensor off	0.00	0.00	0.00	0.00	0.00
Standalone	Sensor on	9.50	11.00	11.00	10.00	9.50
	Sensor off	0.00	0.00	0.00	0.00	0.00
Simultaneous	WWAN on	Sensor off	0.00	0.00	0.00	0.00
	Sensor on	9.50	11.00	11.00	10.00	9.50

6 SAR Measurements System Configuration

6.1 SAR Measurement Set-up

The DASY system for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP or Win7 and the DASY software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

6.2 DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe EX3DV4 (manufactured by SPEAG), designed in the classical triangular configuration and optimized for dosimetric evaluation.

EX3DV4 Probe Specification

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 330 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure Scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.



E-field Probe Calibration

Each probe is calibrated according to a dosimetric assessment procedure with accuracy better than $\pm 10\%$. The spherical isotropy was evaluated and found to be better than ± 0.25 dB. The sensitivity parameters (NormX, NormY, NormZ), the diode compression parameter (DCP) and the conversion factor (ConvF) of the probe are tested.

The free space E-field from amplified probe outputs is determined in a test chamber. This is performed in a TEM cell for frequencies below 1 GHz, and in a wave guide above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is then rotated 360 degrees.

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated brain tissue. The measured free space E-field in the medium correlates to temperature rise in a dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

$$SAR = C \Delta T / \Delta t$$

Where: Δt = Exposure time (30 seconds),
 C = Heat capacity of tissue (brain or muscle),
 ΔT = Temperature increase due to RF exposure.

Or

$$SAR = |E|^2 \sigma / \rho$$

Where: σ = Simulated tissue conductivity,
 ρ = Tissue density (kg/m³).

6.3 SAR Measurement Procedure

Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

Area scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram of simulated tissue. The zoom scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the zoom scan evaluates the averaged SAR for 1 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01 SAR measurement 100 MHz to 6 GHz.

			≤3GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{zoom}} \Delta y_{\text{zoom}}$			≤2GHz: ≤8mm 2 – 3GHz: ≤5mm*	3 – 4GHz: ≤5mm* 4 – 6GHz: ≤4mm*
Maximum zoom scan spatial resolution, normal to phantom surface	Uniform grid: $\Delta z_{\text{zoom}}(n)$		≤5mm	3 – 4GHz: ≤4mm 4 – 5GHz: ≤3mm 5 – 6GHz: ≤2mm
	Graded grid	$\Delta z_{\text{zoom}}(1)$: between 1 st two points closest to phantom surface	≤4mm	3 – 4GHz: ≤3mm 4 – 5GHz: ≤2.5mm 5 – 6GHz: ≤2mm
		$\Delta z_{\text{zoom}}(n > 1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{zoom}}(n-1)$	
Minimum zoom scan volume	X, y, z		≥30mm	3 – 4GHz: ≥28mm 4 – 5GHz: ≥25mm 5 – 6GHz: ≥22mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4\text{W/kg}$, $\leq 8\text{mm}$, $\leq 7\text{mm}$ and $\leq 5\text{mm}$ zoom scan resolution may be applied, respectively, for 2GHz to 3GHz, 3GHz to 4GHz and 4GHz to 6GHz.				

Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASY measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

7 Main Test Equipment

Name of Equipment	Manufacturer	Type/Model	Serial Number	Software Version	Last Cal.	Cal. Due Date
Network Analyzer	Agilent	E5071B	MY42404014	/	2025-01-06	2026-01-05
Dielectric Probe Kit	SPEAG	DAK-3.5	1332	/	2025-06-15	2027-06-14
Power Meter	Agilent	E4417A	GB41291714	/	2025-05-06	2026-05-05
Power Sensor	Agilent	N8481H	MY50350004	/	2025-05-06	2026-05-05
Power Sensor	Agilent	E9327A	US40441622	/	2025-05-06	2026-05-05
Signal Generator	KEYSIGHT	N5182B-X07	MY51350303	/	2024-12-02	2025-12-01
Dual Directional Coupler	UCL	UCL-DDC056G-S	20010600118	/	/	/
Amplifier	R&S	SCU18F	101022	/	2025-05-06	2026-05-05
Wireless Communication Tester	Anritsu	MT8820C	6201342015	/	2025-05-06	2026-05-05
Wireless communication tester	Starpont	SP9500	20440	/	2025-05-06	2026-05-05
Wireless Communication Tester	R&S	CMW 500	146734	/	2025-05-06	2026-05-05
E-field Probe	SPEAG	EX3DV4	3677	/	2025-05-28	2026-05-27
DAE	SPEAG	DAE4	1692	/	2024-12-03	2025-12-02
Validation Kit 750MHz	SPEAG	D750V3	1045	/	2023-09-12	2026-09-11
Validation Kit 835MHz	SPEAG	D835V2	4d020	/	2023-09-15	2026-09-14
Validation Kit 1750MHz	SPEAG	D1750V2	1033	/	2023-03-23	2026-03-22
Validation Kit 1900MHz	SPEAG	D1900V2	5d060	/	2023-09-12	2026-09-11
Validation Kit 2300MHz	SPEAG	D2300V2	1131	/	2025-08-28	2028-08-27
Validation Kit 2450MHz	SPEAG	D2450V2	786	/	2023-09-12	2026-09-11
Validation Kit 2600MHz	SPEAG	D2600V2	1025	/	2024-05-08	2027-05-07
Validation Kit 3400MHz	SPEAG	D3500V2(at 3400MHz)	1083	/	2023-05-19	2026-05-18
Validation Kit 3500MHz	SPEAG	D3500V2	1083	/	2025-09-10	2028-09-09
Validation Kit 3700MHz	SPEAG	D3700V2	1048	/	2025-09-09	2028-09-08
Validation Kit 3900MHz	SPEAG	D3900V2	1027	/	2025-09-10	2028-09-09
Validation Kit 5GHz	SPEAG	D5GHzV2	1151	/	2023-03-24	2026-03-23
Tissue test software	SPEAG	/	/	3.0.4.1	/	/
Temperature Probe	Auden	DTM3000	3905	/	2024-12-03	2025-12-02
Twin ELI Phantom	SPEAG	ELI v4.0	1058	/	/	/
Hygrothermograph	Anymetr	HTC - 1	TA2025A041	/	2025-05-06	2026-05-05

Test System	SPEAG	TX90 XLspeag	F11/5H7CA1/A/01	52.10.4.1527	/	/
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8 Tissue Dielectric Parameter Measurements & System Check

8.1 Tissue Verification

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 24 hours of use; or earlier if the dielectric parameters can become out of tolerance.

Target values

Frequency (MHz)	ϵ_r	$\sigma(\text{s/m})$
750	42.0	0.90
835	41.5	0.90
1750	40.1	1.37
1900	40.0	1.40
2300	39.5	1.67
2450	39.2	1.80
2600	39.0	1.96
3400	37.4	2.81
3500	37.9	2.91
3700	37.7	3.12
3900	37.5	3.32
5250	35.9	4.71
5600	35.5	5.07
5750	35.4	5.22

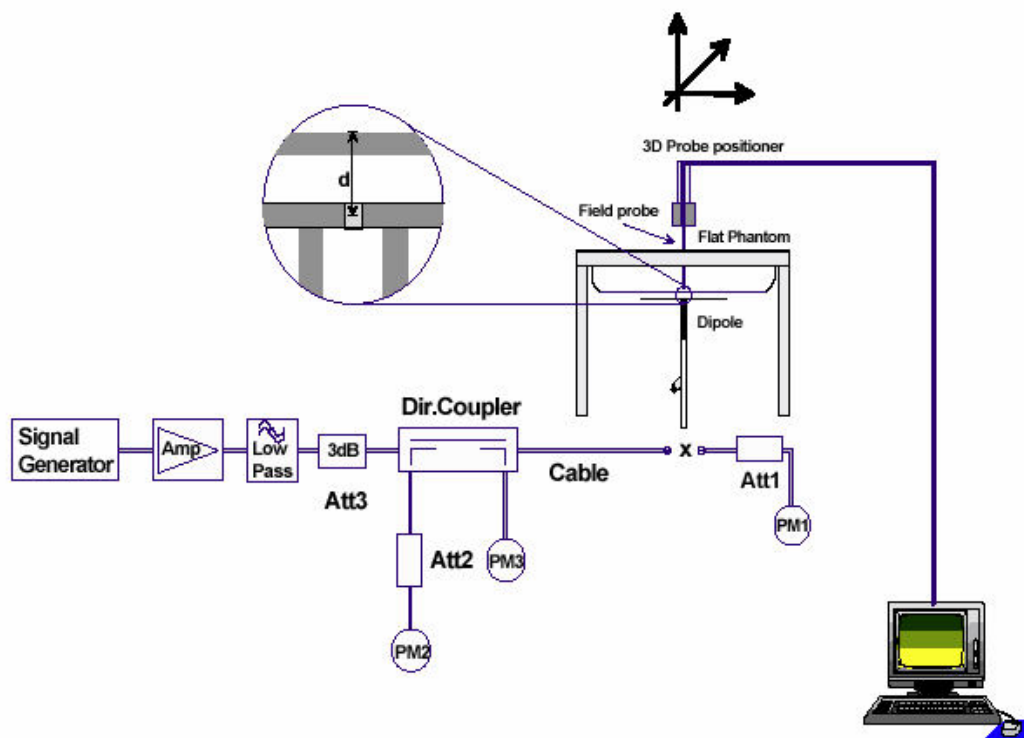
Measurements results

Frequency (MHz)	Test Date	Temp °C	Measured Dielectric Parameters		Target Dielectric Parameters		Limit (Within $\pm 5\%$)	
			ϵ_r	σ (s/m)	ϵ_r	σ (s/m)	Dev ϵ_r (%)	Dev σ (%)
750	9/1/2025	21.5	42.3	0.88	42.0	0.90	0.71	-2.22
	9/2/2025	21.5	42.0	0.87	42.0	0.90	0.00	-3.33
	11/24/2025	21.5	41.8	0.89	42.0	0.90	-0.48	-1.11
	11/30/2025	21.5	42.9	0.90	42.0	0.90	2.19	-0.44
835	9/3/2025	21.5	41.4	0.88	41.5	0.90	-0.24	-2.22
	11/21/2025	21.5	41.3	0.87	41.5	0.90	-0.48	-3.33
1750	9/4/2025	21.5	40.2	1.34	40.1	1.37	0.25	-2.19
	11/20/2025	21.5	40.1	1.34	40.1	1.37	0.00	-2.19
1900	9/8/2025	21.5	40.1	1.41	40.0	1.40	0.25	0.71
	11/19/2025	21.5	40.2	1.43	40.0	1.40	0.50	2.14
2300	9/9/2025	21.5	40.0	1.65	39.5	1.67	1.27	-1.20
	11/18/2025	21.5	40.1	1.64	39.5	1.67	1.52	-1.80
2450	9/10/2025	21.5	38.6	1.81	39.2	1.80	-1.53	0.56
	11/10/2025	21.5	38.7	1.82	39.2	1.80	-1.28	1.11
2600	9/15/2025	21.5	38.2	2.01	39.0	1.96	-2.05	2.55
	9/16/2025	21.5	38.4	1.94	39.0	1.96	-1.54	-1.02
	11/27/2025	21.5	38.3	1.99	39.0	1.96	-1.79	1.53
3400	11/26/2025	21.5	37.1	2.83	37.4	2.81	-0.80	0.71
3500	9/17/2025	21.5	37.1	2.83	37.9	2.91	-2.11	-2.75
	11/28/2025	21.5	37.9	2.85	37.9	2.91	0.00	-2.06
3700	9/25/2025	21.5	38.0	3.01	37.7	3.12	0.80	-3.53
	11/29/2025	21.5	38.1	3.03	37.7	3.12	1.06	-2.88
3900	11/29/2025	21.5	37.9	3.42	37.5	3.32	1.07	3.01
5250	10/9/2025	21.5	35.5	4.80	35.9	4.71	-1.11	1.91
5600	10/20/2025	21.5	34.2	5.21	35.5	5.07	-3.66	2.76
5750	10/28/2025	21.5	34.9	5.21	35.4	5.22	-1.41	-0.19
Note: For the tissue-equivalent liquid in the phantom, its depth shall be not less than 15.0 cm when the frequency band is below 3 GHz, and not less than 10.0 cm when the frequency band is above 3 GHz.								

8.2 System Check

The manufacturer calibrates the probes annually. Dielectric parameters of the tissue simulates were measured using the dielectric probe kit and the network analyzer. A system check measurement for every day was made following the determination of the dielectric parameters of the Tissue simulates, using the dipole validation kit. The dipole antenna was placed under the flat section of the twin SAM phantom.

System check is performed regularly on all frequency bands where tests are performed with the DASY system.



Picture 1 System Check setup



Picture 2 Setup Photo

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining return loss (>20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration) requirements per extended calibrations in KDB 865664 D01:

Dipole		Date of Measurement	Return Loss (dB)	Δ %	Impedance (Ω)			
					Real	$\Delta\Omega$	Imaginary	$\Delta\Omega$
Dipole D750V3 SN: 1045	Head Liquid	9/12/2023	30.4	/	51.9	/	-2.47	/
		9/11/2024	30.1	-0.9	52.3	0.4	-2.46	0.01
		9/10/2025	29.8	-1.1	52.1	-0.2	-1.99	0.47
Dipole D835V2 SN: 4d020	Head Liquid	9/15/2023	28.3	/	50.6	/	-3.80	/
		9/14/2024	28.9	2.1	51.4	0.8	-3.66	0.14
		9/13/2025	27.9	-3.6	50.3	-1.1	-3.57	0.09
Dipole D1750V2 SN: 1033	Head Liquid	3/23/2023	36.2	/	51.2	/	-0.98	/
		3/22/2024	35.4	-2.2	51.6	0.4	-1.28	-0.3
		3/21/2025	36.7	3.7	49.8	-1.8	-0.72	0.56
Dipole D1900V2 SN: 5d060	Head Liquid	9/12/2023	24.0	/	50.5	/	6.32	/
		9/11/2024	24.1	0.4	50.9	0.4	6.83	0.51
		9/10/2025	24.3	0.9	51.5	0.6	6.62	-0.21
Dipole D2450V2 SN:786	Head Liquid	9/12/2023	28.2	/	52.2	/	3.34	/
		9/11/2024	28.6	1.4	52.8	0.6	3.43	0.09
		9/10/2025	28.0	-1.9	51.9	-0.9	3.58	0.15
Dipole D2600V2 SN: 1025	Head Liquid	5/08/2024	24.2	/	49.0	/	-6.02	/
		5/07/2025	24.6	1.7	50.1	1.1	-5.92	0.1
Dipole D3700V2 SN: 1048	Head Liquid	10/10/2022	24.4	/	44.6	/	-1.96	/
		10/9/2023	24.6	0.8	44.6	0.0	-1.01	0.95
		10/8/2024	25.1	2.0	44.8	0.2	-0.64	0.37
Dipole D3900V2 SN: 1027	Head Liquid	9/10/2022	24.7	/	47.9	/	-5.31	/
		9/9/2023	25.3	2.4	48.8	0.9	-4.39	0.92
		9/8/2024	25.4	0.4	49.6	0.8	-4.28	0.11
Dipole D5GHzV2 (5250 MHz) SN: 1151	Head Liquid	3/24/2023	22.8	/	50.5	/	-7.30	/
		3/23/2024	23.1	1.3	51.2	0.7	-6.9	0.4
		3/22/2025	23.2	0.4	51.8	0.6	-6.32	0.58
Dipole D5GHzV2 (5600 MHz) SN: 1151	Head Liquid	3/24/2023	23.0	/	55.9	/	-4.67	/
		3/23/2024	23.1	0.4	54.7	-1.2	-4.71	-0.04
		3/22/2025	22.8	-1.3	55.3	0.6	-4.8	-0.09
Dipole D5GHzV2 (5750 MHz) SN: 1151	Head Liquid	3/24/2023	25.8	/	55.2	/	-1.66	/
		3/23/2024	25.2	-2.3	56.7	1.5	-1.02	0.64
		3/22/2025	25.1	-0.4	56.3	-0.4	-1.1	-0.08

System Check Results

Frequency (MHz)	Test Date	Temp °C	250mW Measured SAR _{1g} (W/kg)	1W Normalized SAR _{1g} (W/kg)	1W Target SAR _{1g} (W/kg)	Δ % (Limit ±10%)	Plot No.
750	9/1/2025	21.5	2.13	8.52	8.47	0.59	1
	9/2/2025	21.5	2.10	8.40	8.47	-0.83	2
	11/24/2025	21.5	2.04	8.16	8.47	-3.66	3
	11/30/2025	21.5	2.16	8.60	8.47	1.53	4
835	9/3/2025	21.5	2.44	9.76	9.75	0.10	5
	11/21/2025	21.5	2.46	9.84	9.75	0.92	6
1750	9/4/2025	21.5	8.95	35.80	36.60	-2.19	7
	11/20/2025	21.5	9.11	36.44	36.60	-0.44	8
1900	9/8/2025	21.5	9.88	39.52	40.40	-2.18	9
	11/19/2025	21.5	9.85	39.40	40.40	-2.48	10
2300	9/9/2025	21.5	12.36	49.44	49.20	0.49	11
	11/18/2025	21.5	12.32	49.28	49.20	0.16	12
2450	9/10/2025	21.5	13.70	54.80	52.60	4.18	13
	11/10/2025	21.5	13.52	54.08	52.60	2.81	14
2600	9/15/2025	21.5	13.90	55.60	55.50	0.18	15
	9/16/2025	21.5	13.88	55.52	55.50	0.04	16
	11/27/2025	21.5	13.94	55.76	55.50	0.47	17
Frequency (MHz)	Test Date	Temp °C	100mW Measured SAR _{1g} (W/kg)	1W Normalized SAR _{1g} (W/kg)	1W Target SAR _{1g} (W/kg)	Δ % (Limit ±10%)	Plot No.
3400	11/26/2025	21.5	6.77	67.70	66.50	1.80	18
3500	9/17/2025	21.5	6.57	65.70	65.90	-0.30	19
	11/28/2025	21.5	6.53	65.30	65.90	-0.91	20
3700	9/25/2025	21.5	6.83	68.30	66.80	2.25	21
	11/29/2025	21.5	6.61	66.10	66.80	-1.05	22
3900	11/29/2025	21.5	6.83	68.30	67.70	0.89	23
5250	10/9/2025	21.5	7.87	78.70	77.90	1.03	24
5600	10/20/2025	21.5	7.67	76.70	81.90	-6.35	25
5750	10/28/2025	21.5	7.66	76.60	78.00	-1.79	26
Note: Target Values used derive from the calibration certificate data storage and evaluation.							

8.3 SAR System Validation

Per FCC KDB 865664 D02v01, SAR system verification is required to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles are used with the required tissue-equivalent media for system validation, according to the procedures outlined in FCC KDB 865664 D01 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point must be validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status, measurement frequencies, SAR probes, calibrated signal type(s) and tissue dielectric parameters has been included.

Frequency [MHz]	Date	Probe SN	Probe Type	Probe Cal Point		PERM (Er)	COND (Σ)	CW Validation		
								Sensitivity	Probe Linearity	Probe Isotropy
750	2025/05/28	3677	EX3DV4	750	Head	41.9	0.89	PASS	PASS	PASS
835	2025/05/28	3677	EX3DV4	835	Head	41.5	0.90	PASS	PASS	PASS
1750	2025/05/28	3677	EX3DV4	1750	Head	40.1	1.37	PASS	PASS	PASS
1900	2025/05/28	3677	EX3DV4	1900	Head	40.0	1.40	PASS	PASS	PASS
2300	2025/05/28	3677	EX3DV4	2300	Head	39.5	1.67	PASS	PASS	PASS
2450	2025/05/28	3677	EX3DV4	2450	Head	39.2	1.80	PASS	PASS	PASS
2600	2025/05/28	3677	EX3DV4	2600	Head	39.0	1.96	PASS	PASS	PASS
3300	2025/05/28	3677	EX3DV4	3300	Head	38.2	2.71	PASS	PASS	PASS
3500	2025/05/28	3677	EX3DV4	3500	Head	37.9	2.91	PASS	PASS	PASS
3700	2025/05/28	3677	EX3DV4	3700	Head	37.7	3.12	PASS	PASS	PASS
3900	2025/05/28	3677	EX3DV4	3900	Head	37.5	3.32	PASS	PASS	PASS
5250	2025/05/28	3677	EX3DV4	5250	Head	35.9	4.71	PASS	PASS	PASS
5600	2025/05/28	3677	EX3DV4	5600	Head	35.5	5.07	PASS	PASS	PASS
5750	2025/05/28	3677	EX3DV4	5750	Head	35.4	5.22	PASS	PASS	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664D01v01 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5dB), such as OFDM according to KDB 865664.

9 Normal and Maximum Output Power

KDB 447498 D01 at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

9.1 LTE Mode

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

LTE B2							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	23.44	23.50	23.63	24.00
		1	2	23.44	23.54	23.69	24.00
		1	5	23.40	23.50	23.65	24.00
		3	0	23.43	23.52	23.67	24.00
		3	2	23.42	23.51	23.64	24.00
		3	3	23.41	23.53	23.65	24.00
		6	0	22.44	22.46	22.68	23.00
	16QAM	1	0	22.72	22.35	22.44	23.00
		1	2	22.74	22.23	22.52	23.00
		1	5	22.61	22.29	22.41	23.00
		3	0	22.51	22.06	22.38	23.00
		3	2	22.52	22.54	22.77	23.00
		3	3	22.55	22.66	22.77	23.00
		6	0	21.45	21.51	21.77	22.00
	64QAM	1	0	21.56	21.78	21.79	22.00
		1	2	21.57	21.67	21.82	22.00
		1	5	21.57	21.62	21.86	22.00
		3	0	21.48	21.61	21.80	22.00

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		3	2	21.49	21.68	21.70	22.00
		3	3	21.57	21.62	21.73	22.00
		6	0	20.43	20.43	20.66	21.00
	256QAM	1	0	18.22	17.94	18.18	19.00
		1	2	17.98	18.44	18.08	19.00
		1	5	18.54	18.52	18.42	19.00
		3	0	18.46	18.46	18.28	19.00
		3	2	18.12	18.20	18.08	19.00
		3	3	18.40	18.36	18.28	19.00
		6	0	18.64	18.62	18.54	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	23.38	23.46	23.65	24.00
		1	7	23.44	23.57	23.71	24.00
		1	14	23.35	23.44	23.62	24.00
		8	0	22.46	22.51	22.78	23.00
		8	4	22.45	22.61	22.76	23.00
		8	7	22.41	22.56	22.76	23.00
		15	0	22.47	22.11	22.30	23.00
	16QAM	1	0	22.70	22.29	22.50	23.00
		1	7	22.88	22.36	22.54	23.00
		1	14	22.66	22.31	22.51	23.00
		8	0	21.56	21.13	21.37	22.00
		8	4	21.50	21.66	21.83	22.00
		8	7	21.52	21.69	21.82	22.00
		15	0	21.49	21.61	21.78	22.00
	64QAM	1	0	21.69	21.83	21.91	22.00
		1	7	21.70	21.84	21.91	22.00
		1	14	21.52	21.60	21.82	22.00
		8	0	20.51	20.55	20.81	21.00
		8	4	20.51	20.65	20.76	21.00
		8	7	20.48	20.59	20.83	21.00
		15	0	20.46	20.60	20.82	21.00
	256QAM	1	0	18.30	18.04	18.24	19.00
		1	7	17.92	18.50	17.98	19.00
		1	14	18.38	18.58	18.38	19.00
		8	0	18.46	18.56	18.12	19.00
		8	4	18.14	18.16	18.16	19.00
		8	7	18.44	18.32	18.24	19.00
		15	0	18.46	18.64	18.46	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	23.45	23.56	23.74	24.00

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		1	13	23.45	23.59	23.73	24.00
		1	24	23.40	23.54	23.62	24.00
		12	0	22.53	22.57	22.84	23.00
		12	6	22.50	22.61	22.79	23.00
		12	13	22.49	22.63	22.79	23.00
		25	0	22.50	22.06	22.31	23.00
	16QAM	1	0	22.67	22.25	22.55	23.00
		1	13	22.70	22.40	22.75	23.00
		1	24	22.79	22.35	22.50	23.00
		12	0	21.57	21.07	21.34	22.00
		12	6	21.56	21.67	21.86	22.00
		12	13	21.51	21.65	21.81	22.00
		25	0	21.50	21.59	21.84	22.00
	64QAM	1	0	21.68	21.65	21.87	22.00
		1	13	21.68	21.82	21.94	22.00
		1	24	21.64	21.74	21.84	22.00
		12	0	20.50	20.56	20.83	21.00
		12	6	20.51	20.63	20.80	21.00
		12	13	20.48	20.63	20.78	21.00
		25	0	20.49	20.57	20.83	21.00
	256QAM	1	0	18.30	18.12	18.16	19.00
		1	13	18.18	18.20	18.22	19.00
		1	24	18.32	18.26	18.28	19.00
		12	0	18.26	18.48	18.30	19.00
		12	6	18.24	18.04	18.28	19.00
		12	13	18.50	18.24	18.38	19.00
		25	0	18.66	18.50	18.68	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	23.50	23.57	23.78	24.00
		1	25	23.45	23.59	23.76	24.00
		1	49	23.39	23.58	23.71	24.00
		25	0	22.53	22.57	22.79	23.00
		25	13	22.54	22.67	22.79	23.00
		25	25	22.48	22.65	22.82	23.00
		50	0	22.53	22.58	22.76	23.00
	16QAM	1	0	22.71	22.47	22.65	23.00
		1	25	22.74	22.37	22.57	23.00
		1	49	22.80	22.35	22.60	23.00
		25	0	21.53	21.11	21.29	22.00
		25	13	21.53	21.19	21.33	22.00
		25	25	21.55	21.17	21.34	22.00
		50	0	21.53	21.12	21.30	22.00

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	64QAM	1	0	21.70	21.32	21.58	22.00
		1	25	21.66	21.40	21.49	22.00
		1	49	21.55	21.80	21.46	22.00
		25	0	20.50	20.60	20.32	21.00
		25	13	20.51	20.68	20.34	21.00
		25	25	20.51	20.65	20.85	21.00
		50	0	20.55	20.60	20.76	21.00
	256QAM	1	0	18.00	18.06	18.20	19.00
		1	25	18.12	18.08	18.24	19.00
		1	49	18.44	18.38	18.30	19.00
		25	0	18.36	18.22	18.36	19.00
		25	13	18.22	17.98	18.20	19.00
		25	25	18.26	18.24	18.22	19.00
		50	0	18.56	18.36	18.34	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	23.65	23.73	23.50	24.00
		1	38	23.62	23.77	23.65	24.00
		1	74	23.64	23.84	23.40	24.00
		36	0	22.52	22.66	22.78	23.00
		36	18	22.61	22.64	22.42	23.00
		36	39	22.58	22.74	22.86	23.00
		75	0	22.57	22.60	22.26	23.00
	16QAM	1	0	22.93	22.46	22.52	23.00
		1	38	22.84	22.52	22.48	23.00
		1	74	22.76	22.31	22.60	23.00
		36	0	21.53	21.65	21.32	22.00
		36	18	21.61	21.63	21.41	22.00
		36	39	21.56	21.70	21.39	22.00
		75	0	21.55	21.62	21.74	22.00
	64QAM	1	0	21.77	21.81	21.43	22.00
		1	38	21.40	21.45	21.41	22.00
		1	74	21.34	21.47	21.44	22.00
		36	0	20.55	20.68	20.81	21.00
		36	18	20.59	20.65	20.88	21.00
		36	39	20.56	20.73	20.85	21.00
		75	0	20.53	20.60	20.73	21.00
	256QAM	1	0	18.34	18.38	18.28	19.00
		1	38	18.16	18.30	17.98	19.00
		1	74	18.56	18.24	18.24	19.00
		36	0	18.54	18.56	18.38	19.00
		36	18	18.20	18.00	17.96	19.00
		36	39	18.38	18.36	18.16	19.00

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		75	0	18.50	18.70	18.50	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	23.38	23.34	23.63	24.00
		1	50	23.12	23.26	23.49	24.00
		1	99	23.20	23.27	23.40	24.00
		50	0	22.04	22.15	22.30	23.00
		50	25	22.14	22.16	22.29	23.00
		50	50	22.12	22.25	22.37	23.00
		100	0	22.10	22.11	22.24	23.00
	16QAM	1	0	22.50	22.52	22.73	23.00
		1	50	22.41	22.46	22.63	23.00
		1	99	22.52	22.58	22.54	23.00
		50	0	21.06	21.20	21.33	22.00
		50	25	21.17	21.18	21.30	22.00
		50	50	21.12	21.24	21.38	22.00
		100	0	21.09	21.12	21.24	22.00
	64QAM	1	0	21.38	21.32	21.44	22.00
		1	50	21.28	21.32	21.58	22.00
		1	99	21.30	21.37	21.45	22.00
		50	0	20.03	20.14	20.28	21.00
		50	25	20.14	20.14	20.33	21.00
		50	50	20.12	20.22	20.40	21.00
		100	0	20.09	20.10	20.26	21.00
	256QAM	1	0	18.22	18.30	18.34	19.00
		1	50	18.18	18.12	18.30	19.00
		1	99	18.40	18.30	18.28	19.00
		50	0	18.50	18.28	18.38	19.00
		50	25	18.30	18.14	18.14	19.00
		50	50	18.48	18.38	18.38	19.00
		100	0	18.40	18.66	18.64	19.00
LTE B2							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	17.12	17.12	16.88	17.50
		1	2	17.04	17.10	17.46	17.50
		1	5	16.88	17.00	16.84	17.50
		3	0	16.98	16.80	17.18	17.50
		3	2	17.22	16.96	16.98	17.50
		3	3	16.64	16.98	17.14	17.50
		6	0	16.88	17.04	16.82	17.50
	16QAM	1	0	17.00	16.96	16.68	17.50

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		1	2	16.98	17.14	17.00	17.50
		1	5	17.14	16.70	17.24	17.50
		3	0	16.74	17.06	16.84	17.50
		3	2	16.80	17.12	16.98	17.50
		3	3	17.06	16.80	16.56	17.50
		6	0	16.84	17.08	17.18	17.50
	64QAM	1	0	17.02	17.02	17.08	17.50
		1	2	17.02	16.60	16.62	17.50
		1	5	16.84	17.18	16.94	17.50
		3	0	17.02	17.04	16.94	17.50
		3	2	17.18	17.10	17.22	17.50
		3	3	17.18	17.00	16.58	17.50
		6	0	16.64	16.66	17.00	17.50
	256QAM	1	0	17.10	16.76	17.16	17.50
		1	2	17.30	17.02	17.48	17.50
		1	5	16.78	16.98	16.96	17.50
		3	0	16.68	16.78	16.94	17.50
		3	2	17.04	16.90	17.10	17.50
		3	3	16.88	17.24	17.22	17.50
		6	0	16.82	17.12	16.86	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	16.98	16.94	16.94	17.50
		1	7	17.08	17.12	17.30	17.50
		1	14	16.86	16.96	16.84	17.50
		8	0	16.82	16.70	17.02	17.50
		8	4	17.08	16.98	17.00	17.50
		8	7	16.68	17.10	17.04	17.50
		15	0	16.86	17.00	16.80	17.50
	16QAM	1	0	16.84	17.00	16.72	17.50
		1	7	16.92	17.04	16.88	17.50
		1	14	17.16	16.68	17.10	17.50
		8	0	16.82	17.12	16.90	17.50
		8	4	16.90	17.04	16.96	17.50
		8	7	17.04	16.92	16.68	17.50
		15	0	16.90	17.00	17.18	17.50
	64QAM	1	0	17.14	16.94	17.04	17.50
		1	7	17.02	16.72	16.68	17.50
		1	14	16.76	17.08	16.98	17.50
		8	0	17.14	16.98	17.02	17.50
		8	4	17.02	17.10	17.12	17.50
		8	7	17.00	16.90	16.66	17.50
		15	0	16.68	16.74	16.96	17.50

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	256QAM	1	0	17.06	17.20	16.92	17.50
		1	7	16.82	17.10	16.92	17.50
		1	14	17.26	16.76	16.92	17.50
		8	0	16.74	17.16	16.78	17.50
		8	4	17.04	17.14	17.08	17.50
		8	7	16.90	17.10	16.78	17.50
		15	0	16.72	17.06	17.08	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	17.00	17.12	17.10	17.50
		1	13	16.96	17.10	17.12	17.50
		1	24	16.90	17.08	17.06	17.50
		12	0	16.96	17.12	17.00	17.50
		12	6	16.96	17.06	16.94	17.50
		12	13	16.94	16.94	16.86	17.50
		25	0	17.12	17.12	16.94	17.50
	16QAM	1	0	16.86	16.92	16.88	17.50
		1	13	17.04	16.98	17.00	17.50
		1	24	17.06	16.96	16.86	17.50
		12	0	17.12	17.06	16.92	17.50
		12	6	17.12	17.04	17.02	17.50
		12	13	17.12	17.02	16.88	17.50
		25	0	17.04	17.10	17.12	17.50
	64QAM	1	0	16.98	17.08	17.06	17.50
		1	13	17.10	16.92	17.06	17.50
		1	24	16.86	17.12	17.02	17.50
		12	0	16.92	17.00	17.02	17.50
		12	6	17.08	16.88	17.12	17.50
		12	13	17.12	16.98	16.90	17.50
		25	0	16.98	17.06	17.08	17.50
	256QAM	1	0	16.98	16.88	16.90	17.50
		1	13	16.94	16.60	16.52	17.50
		1	24	16.74	17.08	16.98	17.50
		12	0	17.14	17.18	16.96	17.50
		12	6	17.00	17.20	17.24	17.50
		12	13	16.90	17.06	16.84	17.50
		25	0	16.58	16.66	17.08	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	17.02	17.06	16.92	17.50
		1	25	17.06	17.06	17.04	17.50
		1	49	16.96	16.92	16.76	17.50
		25	0	17.06	16.88	16.98	17.50

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		25	13	17.06	17.06	17.04	17.50
		25	25	17.06	16.94	17.04	17.50
		50	0	16.84	16.78	16.86	17.50
	16QAM	1	0	16.76	16.78	17.00	17.50
		1	25	16.92	16.76	16.80	17.50
		1	49	16.84	16.88	16.82	17.50
		25	0	17.06	16.88	16.88	17.50
		25	13	16.76	17.04	16.80	17.50
		25	25	16.78	16.76	16.96	17.50
		50	0	16.80	17.06	16.86	17.50
	64QAM	1	0	16.76	16.94	17.02	17.50
		1	25	16.92	16.92	17.06	17.50
		1	49	16.78	16.88	16.94	17.50
		25	0	16.82	16.92	16.88	17.50
		25	13	16.82	16.98	17.00	17.50
		25	25	16.82	17.06	17.04	17.50
		50	0	16.80	17.00	17.02	17.50
	256QAM	1	0	16.92	17.02	16.98	17.50
		1	25	16.94	17.14	17.10	17.50
		1	49	16.86	17.02	16.72	17.50
		25	0	16.62	16.54	16.94	17.50
		25	13	16.98	17.00	16.88	17.50
		25	25	16.76	17.16	17.14	17.50
		50	0	16.80	17.00	16.70	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	16.78	16.82	16.92	17.50
		1	38	16.80	16.84	17.02	17.50
		1	74	17.12	17.18	17.06	17.50
		36	0	16.94	16.90	16.94	17.50
		36	18	17.12	17.12	16.88	17.50
		36	39	16.92	16.80	16.84	17.50
		75	0	16.92	17.18	17.02	17.50
	16QAM	1	0	17.02	17.06	17.14	17.50
		1	38	16.98	17.14	17.18	17.50
		1	74	17.04	17.08	17.08	17.50
		36	0	16.96	17.04	16.84	17.50
		36	18	16.90	17.06	17.18	17.50
		36	39	17.10	16.92	16.96	17.50
		75	0	16.78	17.10	16.78	17.50
	64QAM	1	0	17.14	17.10	16.90	17.50
		1	38	17.00	16.94	17.00	17.50
		1	74	17.02	16.78	16.88	17.50

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		36	0	16.88	17.12	16.98	17.50
		36	18	17.14	17.10	17.06	17.50
		36	39	17.04	17.16	16.94	17.50
		75	0	16.84	16.94	17.12	17.50
	256QAM	1	0	16.68	16.80	16.78	17.50
		1	38	16.78	17.02	16.88	17.50
		1	74	17.16	16.60	17.02	17.50
		36	0	16.80	17.08	16.94	17.50
		36	18	17.00	16.90	16.92	17.50
		36	39	17.12	16.84	16.66	17.50
		75	0	16.70	17.06	17.04	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	17.10	16.98	16.88	17.50
		1	50	17.10	17.04	17.14	17.50
		1	99	16.84	17.08	17.06	17.50
		50	0	16.86	16.88	17.00	17.50
		50	25	16.96	17.00	17.04	17.50
		50	50	16.86	17.02	16.98	17.50
		100	0	16.96	17.00	16.90	17.50
	16QAM	1	0	17.04	17.06	16.88	17.50
		1	50	17.02	17.08	17.04	17.50
		1	99	17.00	16.88	17.02	17.50
		50	0	16.86	16.96	17.10	17.50
		50	25	17.04	17.08	16.86	17.50
		50	50	17.10	16.94	16.86	17.50
		100	0	16.94	16.92	17.06	17.50
	64QAM	1	0	17.02	17.04	17.14	17.50
		1	50	17.10	16.84	16.86	17.50
		1	99	16.96	16.92	16.96	17.50
		50	0	17.12	16.86	17.04	17.50
		50	25	16.90	17.04	17.00	17.50
		50	50	16.88	17.14	16.90	17.50
		100	0	16.92	16.90	17.12	17.50
	256QAM	1	0	17.22	16.76	16.84	17.50
		1	50	16.96	16.60	16.52	17.50
		1	99	16.76	16.98	16.82	17.50
		50	0	17.18	17.02	17.06	17.50
		50	25	16.90	16.98	16.92	17.50
		50	50	16.96	16.82	16.56	17.50
		100	0	16.70	16.72	16.96	17.50
LTE B4							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	22.97	23.36	22.91	24.00
		1	2	22.98	23.39	22.96	24.00
		1	5	22.94	23.32	22.86	24.00
		3	0	22.95	23.39	22.95	24.00
		3	2	22.96	23.41	22.92	24.00
		3	3	22.96	23.39	22.94	24.00
		6	0	22.03	22.36	21.96	23.00
	16QAM	1	0	22.37	22.78	22.22	23.00
		1	2	22.41	22.84	22.36	23.00
		1	5	22.30	22.79	22.16	23.00
		3	0	22.11	22.46	22.05	23.00
		3	2	22.15	22.57	22.01	23.00
		3	3	22.13	22.49	21.98	23.00
		6	0	21.05	21.40	21.00	22.00
	64QAM	1	0	21.16	21.71	21.16	22.00
		1	2	21.12	21.67	21.08	22.00
		1	5	21.32	21.55	21.22	22.00
		3	0	21.14	21.55	21.07	22.00
		3	2	21.15	21.49	21.16	22.00
		3	3	21.12	21.52	21.04	22.00
		6	0	20.09	20.41	20.00	21.00
	256QAM	1	0	18.08	18.18	18.22	19.00
		1	2	18.30	17.88	18.40	19.00
		1	5	18.24	18.12	18.52	19.00
		3	0	18.74	18.74	18.46	19.00
		3	2	18.08	18.26	18.26	19.00
		3	3	18.62	18.24	18.42	19.00
		6	0	18.86	18.82	18.36	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	22.93	23.42	22.94	24.00
		1	7	23.05	23.51	23.05	24.00
		1	14	22.99	23.38	22.91	24.00
		8	0	22.16	22.43	22.05	23.00
		8	4	22.10	22.42	22.07	23.00
		8	7	22.10	22.40	22.06	23.00
		15	0	22.14	22.44	22.07	23.00
	16QAM	1	0	22.23	22.74	22.18	23.00
		1	7	22.42	22.92	22.38	23.00
		1	14	22.38	22.66	22.21	23.00
		8	0	21.19	21.51	21.11	22.00

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		8	4	21.14	21.43	21.14	22.00
		8	7	21.14	21.45	21.12	22.00
		15	0	21.09	21.42	21.11	22.00
	64QAM	1	0	21.33	21.53	21.15	22.00
		1	7	21.27	21.67	21.24	22.00
		1	14	21.25	21.50	21.08	22.00
		8	0	20.13	20.50	20.07	21.00
		8	4	20.14	20.48	20.10	21.00
		8	7	20.16	20.46	20.07	21.00
		15	0	20.12	20.47	20.07	21.00
	256QAM	1	0	18.08	18.26	18.08	19.00
		1	7	18.42	17.98	18.32	19.00
		1	14	18.28	18.22	18.50	19.00
		8	0	18.62	18.60	18.50	19.00
		8	4	18.12	18.12	18.16	19.00
		8	7	18.46	18.10	18.40	19.00
		15	0	18.70	18.76	18.34	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	23.06	23.46	23.04	24.00
		1	13	23.14	23.50	23.07	24.00
		1	24	23.07	23.38	22.98	24.00
		12	0	22.11	22.48	22.12	23.00
		12	6	22.15	22.45	22.11	23.00
		12	13	22.17	22.44	22.00	23.00
		25	0	22.14	22.45	22.11	23.00
	16QAM	1	0	22.38	22.75	22.38	23.00
		1	13	22.45	22.87	22.43	23.00
		1	24	22.41	22.69	22.26	23.00
		12	0	21.14	21.53	21.19	22.00
		12	6	21.24	21.50	21.08	22.00
		12	13	21.22	21.45	21.02	22.00
		25	0	21.15	21.45	21.08	22.00
	64QAM	1	0	21.25	21.58	21.29	22.00
		1	13	21.37	21.75	21.23	22.00
		1	24	21.39	21.59	21.12	22.00
		12	0	20.09	20.45	20.15	21.00
		12	6	20.22	20.48	20.12	21.00
		12	13	20.16	20.47	20.02	21.00
		25	0	20.18	20.48	20.11	21.00
	256QAM	1	0	18.48	18.26	18.24	19.00
		1	13	18.38	18.40	18.44	19.00
		1	24	18.22	18.32	18.34	19.00

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		12	0	18.34	18.36	18.34	19.00
		12	6	18.10	18.20	18.28	19.00
		12	13	18.28	18.28	18.42	19.00
		25	0	18.80	18.64	18.64	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	23.06	23.41	23.19	24.00
		1	25	23.13	23.51	23.12	24.00
		1	49	23.18	23.33	23.03	24.00
		25	0	22.14	22.46	22.16	23.00
		25	13	22.23	22.48	22.21	23.00
		25	25	22.22	22.43	22.04	23.00
		50	0	22.26	22.49	22.17	23.00
	16QAM	1	0	22.41	22.62	22.56	23.00
		1	25	22.53	22.86	22.40	23.00
		1	49	22.61	22.86	22.37	23.00
		25	0	21.16	21.49	21.23	22.00
		25	13	21.28	21.53	21.17	22.00
		25	25	21.26	21.44	21.09	22.00
		50	0	21.27	21.47	21.22	22.00
	64QAM	1	0	21.14	21.60	21.27	22.00
		1	25	21.32	21.65	21.29	22.00
		1	49	21.36	21.54	21.10	22.00
		25	0	20.16	20.50	20.25	21.00
		25	13	20.30	20.50	20.21	21.00
		25	25	20.29	20.44	20.07	21.00
		50	0	20.28	20.50	20.20	21.00
	256QAM	1	0	18.44	18.44	18.40	19.00
		1	25	18.40	18.12	18.30	19.00
		1	49	18.14	18.24	18.08	19.00
		25	0	18.38	18.24	18.24	19.00
		25	13	18.12	18.10	18.04	19.00
		25	25	18.28	18.32	18.48	19.00
		50	0	18.70	18.52	18.52	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	23.38	23.70	23.59	24.00
		1	38	23.41	23.68	23.30	24.00
		1	74	23.50	23.50	23.18	24.00
		36	0	22.31	22.55	22.37	23.00
		36	18	22.40	22.54	22.32	23.00
		36	39	22.38	22.51	22.14	23.00
		75	0	22.34	22.51	22.29	23.00

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	16QAM	1	0	22.57	22.88	22.70	23.00
		1	38	22.70	22.90	22.50	23.00
		1	74	22.57	22.83	22.32	23.00
		36	0	21.33	21.61	21.34	22.00
		36	18	21.40	21.57	21.29	22.00
		36	39	21.38	21.49	21.18	22.00
		75	0	21.37	21.51	21.27	22.00
	64QAM	1	0	21.51	21.61	21.64	22.00
		1	38	21.67	21.65	21.41	22.00
		1	74	21.56	21.64	21.26	22.00
		36	0	20.29	20.55	20.35	21.00
		36	18	20.37	20.56	20.32	21.00
		36	39	20.35	20.48	20.18	21.00
		75	0	20.36	20.53	20.28	21.00
	256QAM	1	0	18.30	18.30	18.50	19.00
		1	38	18.34	18.48	18.16	19.00
		1	74	18.18	18.24	18.44	19.00
		36	0	18.48	18.28	18.56	19.00
		36	18	18.16	18.02	18.28	19.00
		36	39	18.22	18.20	18.52	19.00
		75	0	18.76	18.62	18.78	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	23.46	23.69	23.60	24.00
		1	50	23.48	23.65	23.40	24.00
		1	99	23.56	23.51	23.21	24.00
		50	0	22.31	22.52	22.45	23.00
		50	25	22.43	22.55	22.40	23.00
		50	50	22.48	22.47	22.20	23.00
		100	0	22.44	22.47	22.35	23.00
	16QAM	1	0	22.44	22.67	22.79	23.00
		1	50	22.70	22.85	22.58	23.00
		1	99	22.65	22.52	22.40	23.00
		50	0	21.34	21.51	21.47	22.00
		50	25	21.48	21.57	21.39	22.00
		50	50	21.49	21.49	21.23	22.00
		100	0	21.39	21.48	21.32	22.00
	64QAM	1	0	21.43	21.68	21.88	22.00
		1	50	21.49	21.88	21.54	22.00
		1	99	21.68	21.61	21.35	22.00
		50	0	20.30	20.54	20.44	21.00
		50	25	20.45	20.55	20.40	21.00
		50	50	20.48	20.47	20.23	21.00

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		100	0	20.41	20.50	20.35	21.00
	256QAM	1	0	18.48	18.22	18.42	19.00
		1	50	18.22	18.24	18.18	19.00
		1	99	18.32	18.24	18.26	19.00
		50	0	18.44	18.52	18.30	19.00
		50	25	18.02	18.28	18.06	19.00
		50	50	18.42	18.46	18.36	19.00
		100	0	18.80	18.78	18.78	19.00
LTE B4							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	17.25	17.11	17.13	17.50
		1	2	16.75	17.19	16.49	17.50
		1	5	17.07	16.63	16.85	17.50
		3	0	17.15	17.17	16.49	17.50
		3	2	16.93	17.19	16.81	17.50
		3	3	16.85	16.75	17.15	17.50
		6	0	17.01	17.07	16.93	17.50
	16QAM	1	0	16.95	16.91	16.93	17.50
		1	2	16.79	16.97	16.69	17.50
		1	5	16.81	16.83	17.31	17.50
		3	0	16.59	16.93	16.69	17.50
		3	2	16.83	16.69	16.73	17.50
		3	3	16.75	16.69	16.73	17.50
		6	0	17.01	17.03	17.19	17.50
	64QAM	1	0	16.73	17.05	17.09	17.50
		1	2	16.79	16.87	17.15	17.50
		1	5	16.69	16.91	16.77	17.50
		3	0	16.85	16.61	16.97	17.50
		3	2	16.77	16.87	17.11	17.50
		3	3	16.67	16.79	17.07	17.50
		6	0	16.83	17.21	16.75	17.50
	256QAM	1	0	16.95	17.11	16.93	17.50
		1	2	16.91	17.03	16.43	17.50
		1	5	17.17	16.65	17.07	17.50
		3	0	16.99	16.85	16.55	17.50
		3	2	16.91	17.25	16.77	17.50
		3	3	16.95	16.79	17.13	17.50
		6	0	16.95	17.25	17.17	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	17.13	17.11	16.97	17.50

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		1	7	16.79	17.19	16.57	17.50
		1	14	17.17	16.73	16.93	17.50
		8	0	16.97	17.01	16.59	17.50
		8	4	16.83	17.15	16.93	17.50
		8	7	16.91	16.71	17.13	17.50
		15	0	16.95	17.19	17.03	17.50
	16QAM	1	0	16.99	17.01	16.87	17.50
		1	7	16.77	17.01	16.81	17.50
		1	14	16.71	16.73	17.15	17.50
		8	0	16.63	16.95	16.81	17.50
		8	4	16.87	16.71	16.81	17.50
		8	7	16.57	16.75	16.73	17.50
		15	0	16.83	16.99	17.03	17.50
	64QAM	1	0	16.65	17.01	17.03	17.50
		1	7	16.73	16.77	17.03	17.50
		1	14	16.81	16.99	16.73	17.50
		8	0	16.69	16.71	17.03	17.50
		8	4	16.83	16.99	17.01	17.50
		8	7	16.79	16.85	17.01	17.50
		15	0	16.83	17.05	16.71	17.50
	256QAM	1	0	16.83	16.91	16.95	17.50
		1	7	16.67	17.17	16.73	17.50
		1	14	16.93	16.57	17.05	17.50
		8	0	16.75	17.01	16.97	17.50
		8	4	17.01	16.61	16.97	17.50
		8	7	16.71	16.79	16.73	17.50
		15	0	17.05	16.91	16.91	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	16.93	16.81	17.01	17.50
		1	13	16.91	17.03	16.99	17.50
		1	24	16.95	17.01	17.03	17.50
		12	0	17.05	17.05	16.83	17.50
		12	6	16.89	16.89	17.01	17.50
		12	13	16.81	16.93	16.87	17.50
		25	0	16.79	17.01	16.95	17.50
	16QAM	1	0	17.05	16.81	16.91	17.50
		1	13	16.85	16.83	16.93	17.50
		1	24	17.05	16.93	16.81	17.50
		12	0	17.01	16.93	16.83	17.50
		12	6	17.03	16.99	17.05	17.50
		12	13	16.81	16.81	16.99	17.50
		25	0	16.83	16.99	16.91	17.50

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	64QAM	1	0	16.91	16.79	16.95	17.50
		1	13	16.85	16.83	17.03	17.50
		1	24	16.95	16.97	16.87	17.50
		12	0	16.79	16.89	17.03	17.50
		12	6	16.85	16.97	16.79	17.50
		12	13	16.97	17.05	16.89	17.50
		25	0	16.95	16.87	16.81	17.50
	256QAM	1	0	16.51	16.87	17.03	17.50
		1	13	16.81	16.91	16.95	17.50
		1	24	16.81	16.87	16.87	17.50
		12	0	16.77	16.61	17.19	17.50
		12	6	16.81	17.15	17.05	17.50
		12	13	16.99	17.07	17.21	17.50
		25	0	16.67	17.19	16.85	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	16.73	16.89	16.99	17.50
		1	25	16.97	16.79	16.75	17.50
		1	49	16.79	16.75	16.75	17.50
		25	0	16.81	16.71	16.91	17.50
		25	13	16.87	16.89	16.77	17.50
		25	25	16.77	16.97	16.75	17.50
		50	0	16.99	16.77	16.93	17.50
	16QAM	1	0	16.89	16.83	16.87	17.50
		1	25	16.95	16.77	16.91	17.50
		1	49	16.89	16.77	16.97	17.50
		25	0	16.93	16.89	16.85	17.50
		25	13	16.91	16.71	16.97	17.50
		25	25	16.95	16.97	16.71	17.50
		50	0	16.89	16.95	16.95	17.50
	64QAM	1	0	16.77	16.99	16.73	17.50
		1	25	16.97	16.75	16.71	17.50
		1	49	16.81	16.71	16.73	17.50
		25	0	16.77	16.97	16.99	17.50
		25	13	16.81	16.91	16.95	17.50
		25	25	16.83	16.79	16.69	17.50
		50	0	16.77	16.93	16.71	17.50
	256QAM	1	0	16.63	17.11	17.03	17.50
		1	25	16.73	16.81	17.09	17.50
		1	49	16.75	17.09	16.77	17.50
		25	0	16.59	16.55	17.01	17.50
		25	13	16.63	17.01	16.81	17.50
		25	25	16.71	16.65	16.87	17.50

		50	0	16.89	16.87	16.69	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	16.97	16.97	16.87	17.50
		1	38	17.01	17.03	16.77	17.50
		1	74	17.01	16.89	16.93	17.50
		36	0	16.93	16.99	16.77	17.50
		36	18	16.95	17.07	16.83	17.50
		36	39	16.87	16.91	17.01	17.50
		75	0	16.85	17.07	16.93	17.50
	16QAM	1	0	16.93	16.99	16.97	17.50
		1	38	16.79	16.97	16.99	17.50
		1	74	16.81	16.89	16.99	17.50
		36	0	16.79	16.83	16.79	17.50
		36	18	16.85	16.89	16.93	17.50
		36	39	16.79	16.97	16.93	17.50
		75	0	16.93	16.99	16.95	17.50
	64QAM	1	0	16.81	17.03	16.91	17.50
		1	38	16.85	16.81	16.97	17.50
		1	74	17.05	17.07	16.93	17.50
		36	0	16.77	16.93	16.87	17.50
		36	18	16.83	16.87	17.03	17.50
		36	39	16.83	16.83	16.91	17.50
		75	0	16.91	16.89	16.83	17.50
	256QAM	1	0	16.93	16.81	16.81	17.50
		1	38	16.61	16.91	16.73	17.50
		1	74	16.61	16.65	17.11	17.50
		36	0	16.65	16.79	16.85	17.50
		36	18	16.83	16.55	16.63	17.50
		36	39	16.67	16.85	16.65	17.50
		75	0	16.69	16.95	16.87	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	16.77	16.77	16.99	17.50
		1	50	16.83	16.87	16.75	17.50
		1	99	16.99	16.85	16.97	17.50
		50	0	16.85	16.87	17.11	17.50
		50	25	17.03	16.95	17.03	17.50
		50	50	17.09	16.75	16.79	17.50
		100	0	16.83	16.73	16.77	17.50
	16QAM	1	0	17.01	16.97	17.01	17.50
		1	50	16.89	17.09	16.81	17.50
		1	99	17.01	16.77	17.05	17.50

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		50	0	16.87	17.05	17.07	17.50
		50	25	16.91	16.71	17.01	17.50
		50	50	17.07	16.71	17.03	17.50
		100	0	16.93	16.73	17.03	17.50
	64QAM	1	0	16.99	17.09	16.71	17.50
		1	50	16.87	16.85	16.93	17.50
		1	99	17.11	17.01	17.03	17.50
		50	0	16.93	16.93	16.73	17.50
		50	25	16.77	16.85	16.79	17.50
		50	50	16.81	16.77	16.97	17.50
		100	0	17.03	17.11	16.95	17.50
	256QAM	1	0	16.99	17.09	17.05	17.50
		1	50	16.85	17.25	16.61	17.50
		1	99	17.11	16.81	16.77	17.50
		50	0	16.81	16.99	16.61	17.50
		50	25	16.93	17.03	16.93	17.50
		50	50	16.81	16.75	17.23	17.50
		100	0	17.05	17.11	16.85	17.50
LTE B5							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	23.50	23.46	23.24	24.00
		1	2	23.54	23.52	23.23	24.00
		1	5	23.44	23.44	23.17	24.00
		3	0	23.54	23.45	23.20	24.00
		3	2	23.49	23.43	23.21	24.00
		3	3	23.48	23.41	23.20	24.00
		6	0	22.50	22.38	22.18	23.00
	16QAM	1	0	22.73	22.85	22.48	23.00
		1	2	22.89	22.85	22.53	23.00
		1	5	22.75	22.82	22.38	23.00
		3	0	22.64	22.55	22.32	23.00
		3	2	22.59	22.63	22.28	23.00
		3	3	22.65	22.56	22.45	23.00
		6	0	21.58	21.46	21.30	22.00
	64QAM	1	0	21.64	21.65	21.39	22.00
		1	2	21.66	21.64	21.35	22.00
		1	5	21.64	21.55	21.43	22.00
		3	0	21.62	21.54	21.31	22.00
		3	2	21.67	21.55	21.29	22.00
		3	3	21.59	21.50	21.29	22.00
		6	0	20.54	20.39	20.21	21.00

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	256QAM	1	0	18.34	18.38	18.44	19.00
		1	2	18.44	18.34	18.62	19.00
		1	5	18.20	18.46	18.44	19.00
		3	0	18.54	18.46	18.38	19.00
		3	2	18.42	18.44	18.66	19.00
		3	3	18.30	18.38	18.56	19.00
		6	0	18.62	18.68	18.32	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	23.33	23.46	23.25	24.00
		1	7	23.41	23.47	23.27	24.00
		1	14	23.36	23.34	23.14	24.00
		8	0	22.47	22.45	22.33	23.00
		8	4	22.45	22.42	22.28	23.00
		8	7	22.43	22.38	22.15	23.00
		15	0	22.47	22.39	22.28	23.00
	16QAM	1	0	22.79	22.73	22.57	23.00
		1	7	22.71	22.90	22.57	23.00
		1	14	22.72	22.74	22.47	23.00
		8	0	21.56	21.58	21.40	22.00
		8	4	21.55	21.48	21.38	22.00
		8	7	21.46	21.43	21.21	22.00
		15	0	21.47	21.44	21.34	22.00
	64QAM	1	0	21.55	21.54	21.50	22.00
		1	7	21.69	21.69	21.54	22.00
		1	14	21.68	21.55	21.39	22.00
		8	0	20.52	20.56	20.32	21.00
		8	4	20.49	20.50	20.31	21.00
		8	7	20.45	20.39	20.21	21.00
		15	0	20.43	20.45	20.32	21.00
	256QAM	1	0	18.26	18.16	18.14	19.00
		1	7	18.32	18.26	18.52	19.00
		1	14	18.36	18.38	18.10	19.00
		8	0	18.40	18.54	18.40	19.00
		8	4	18.42	18.30	18.38	19.00
		8	7	18.36	18.26	18.44	19.00
		15	0	18.64	18.52	18.30	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	23.39	23.48	23.32	24.00
		1	13	23.47	23.44	23.30	24.00
		1	24	23.39	23.31	23.19	24.00
		12	0	22.41	22.48	22.41	23.00

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		12	6	22.49	22.44	22.33	23.00
		12	13	22.45	22.38	22.21	23.00
		25	0	22.45	22.43	22.39	23.00
	16QAM	1	0	22.79	22.57	22.64	23.00
		1	13	22.80	22.67	22.66	23.00
		1	24	22.78	22.57	22.65	23.00
		12	0	21.48	21.53	21.44	22.00
		12	6	21.51	21.51	21.40	22.00
		12	13	21.47	21.39	21.25	22.00
		25	0	21.48	21.44	21.38	22.00
	64QAM	1	0	21.64	21.67	21.61	22.00
		1	13	21.73	21.81	21.51	22.00
		1	24	21.60	21.59	21.44	22.00
		12	0	20.47	20.51	20.46	21.00
		12	6	20.55	20.44	20.37	21.00
		12	13	20.47	20.41	20.21	21.00
		25	0	20.48	20.46	20.37	21.00
	256QAM	1	0	18.24	18.30	18.22	19.00
		1	13	18.40	18.36	18.42	19.00
		1	24	18.16	18.14	18.14	19.00
		12	0	18.58	18.62	18.20	19.00
		12	6	18.64	18.64	18.46	19.00
		12	13	18.44	18.28	18.48	19.00
		25	0	18.74	18.58	18.44	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20450/829	20525/836.5	20600/844	
10MHz	QPSK	1	0	23.45	23.50	23.58	24.00
		1	25	23.45	23.51	23.42	24.00
		1	49	23.41	23.29	23.30	24.00
		25	0	22.42	22.44	22.64	23.00
		25	13	22.51	22.46	22.58	23.00
		25	25	22.47	22.43	22.43	23.00
		50	0	22.52	22.48	22.58	23.00
	16QAM	1	0	22.72	22.91	22.91	23.00
		1	25	22.82	22.71	22.77	23.00
		1	49	22.70	22.63	22.65	23.00
		25	0	21.43	21.45	21.59	22.00
		25	13	21.52	21.46	21.61	22.00
		25	25	21.51	21.43	21.44	22.00
		50	0	21.51	21.46	21.59	22.00
	64QAM	1	0	21.64	21.69	21.88	22.00
		1	25	21.70	21.72	21.59	22.00
		1	49	21.63	21.48	21.43	22.00

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		25	0	20.45	20.46	20.67	21.00
		25	13	20.54	20.44	20.58	21.00
		25	25	20.50	20.40	20.43	21.00
		50	0	20.66	20.52	20.57	21.00
	256QAM	1	0	18.46	18.42	18.44	19.00
		1	25	18.52	18.38	18.46	19.00
		1	49	18.30	18.48	18.40	19.00
		25	0	18.32	18.32	18.32	19.00
		25	13	18.64	18.52	18.66	19.00
		25	25	18.24	18.22	18.50	19.00
		50	0	18.54	18.58	18.48	19.00
LTE B5							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	18.68	18.68	18.58	19.50
		1	2	18.46	18.96	18.54	19.50
		1	5	18.70	18.44	18.52	19.50
		3	0	18.14	18.80	18.40	19.50
		3	2	19.04	18.58	18.78	19.50
		3	3	18.88	18.56	18.70	19.50
		6	0	18.74	18.66	18.44	19.50
	16QAM	1	0	18.96	18.52	18.10	19.50
		1	2	18.82	18.70	18.36	19.50
		1	5	18.52	18.68	18.74	19.50
		3	0	18.46	18.60	18.46	19.50
		3	2	18.50	18.88	18.68	19.50
		3	3	18.60	18.40	18.78	19.50
		6	0	18.54	18.86	18.82	19.50
	64QAM	1	0	18.80	18.24	18.82	19.50
		1	2	18.32	18.46	18.56	19.50
		1	5	18.40	18.84	18.52	19.50
		3	0	18.74	18.56	18.50	19.50
		3	2	18.92	18.62	18.74	19.50
		3	3	18.84	18.76	18.66	19.50
		6	0	18.56	19.02	18.76	19.50
	256QAM	1	0	18.12	18.20	18.34	19.00
		1	2	18.04	18.50	18.42	19.00
		1	5	18.36	18.48	18.48	19.00
		3	0	18.52	18.28	18.30	19.00
		3	2	18.20	18.38	18.20	19.00
		3	3	18.44	18.36	18.38	19.00
		6	0	18.12	18.20	18.30	19.00

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	18.22	18.32	18.56	19.50
		1	7	18.42	18.76	18.20	19.50
		1	14	18.58	18.56	18.60	19.50
		8	0	17.96	19.08	18.64	19.50
		8	4	18.88	18.50	18.98	19.50
		8	7	18.74	18.78	18.48	19.50
		15	0	18.66	18.58	18.60	19.50
	16QAM	1	0	19.14	18.82	18.28	19.50
		1	7	18.94	18.62	18.44	19.50
		1	14	18.08	18.90	18.96	19.50
		8	0	18.42	18.58	18.74	19.50
		8	4	18.62	18.98	18.54	19.50
		8	7	18.46	18.60	18.64	19.50
		15	0	18.32	18.60	18.62	19.50
	64QAM	1	0	18.62	18.52	18.78	19.50
		1	7	18.02	18.40	18.60	19.50
		1	14	18.30	19.02	18.50	19.50
		8	0	18.70	18.70	18.32	19.50
		8	4	18.42	18.94	18.68	19.50
		8	7	18.84	18.62	18.68	19.50
		15	0	18.54	19.02	18.52	19.50
	256QAM	1	0	18.18	18.50	18.28	19.00
		1	7	18.24	18.38	18.38	19.00
		1	14	18.36	18.32	18.48	19.00
		8	0	18.32	18.34	18.10	19.00
		8	4	18.16	18.48	18.04	19.00
		8	7	18.40	18.34	18.16	19.00
		15	0	18.00	18.02	18.36	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	18.56	18.52	18.38	19.50
		1	13	18.68	18.74	18.54	19.50
		1	24	18.82	18.62	18.50	19.50
		12	0	18.12	18.86	18.42	19.50
		12	6	18.84	18.52	18.94	19.50
		12	13	18.72	18.62	18.38	19.50
		25	0	18.64	18.60	18.22	19.50
	16QAM	1	0	18.88	18.72	18.08	19.50
		1	13	18.96	18.56	18.20	19.50
		1	24	18.52	18.92	18.56	19.50
		12	0	18.36	18.40	18.68	19.50

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		12	6	18.70	18.70	18.80	19.50
		12	13	18.76	18.68	19.02	19.50
		25	0	18.28	18.76	18.78	19.50
	64QAM	1	0	18.70	18.42	18.98	19.50
		1	13	18.32	18.36	18.38	19.50
		1	24	18.16	18.72	18.80	19.50
		12	0	19.00	18.52	18.40	19.50
		12	6	18.74	18.62	18.62	19.50
		12	13	18.66	18.56	18.76	19.50
		25	0	18.52	19.10	18.58	19.50
	256QAM	1	0	18.14	18.12	18.54	19.00
		1	13	17.98	18.16	18.42	19.00
		1	24	17.98	18.48	18.36	19.00
		12	0	18.22	18.36	18.28	19.00
		12	6	18.46	18.66	17.88	19.00
		12	13	18.26	18.18	18.34	19.00
		25	0	18.28	18.24	18.58	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20450/829	20525/836.5	20600/844	
10MHz	QPSK	1	0	18.44	18.58	18.46	19.50
		1	25	18.54	19.04	18.36	19.50
		1	49	18.64	18.30	18.56	19.50
		25	0	18.20	18.98	18.40	19.50
		25	13	18.88	18.60	18.94	19.50
		25	25	19.00	18.58	18.58	19.50
		50	0	18.88	18.70	18.50	19.50
	16QAM	1	0	19.02	18.48	18.16	19.50
		1	25	18.90	18.78	18.24	19.50
		1	49	18.58	18.72	18.84	19.50
		25	0	18.30	18.44	18.60	19.50
		25	13	18.64	18.90	18.78	19.50
		25	25	18.48	18.56	18.96	19.50
		50	0	18.52	18.92	18.64	19.50
	64QAM	1	0	18.88	18.24	18.94	19.50
		1	25	18.16	18.44	18.50	19.50
		1	49	18.38	18.90	18.72	19.50
		25	0	18.86	18.78	18.32	19.50
		25	13	18.70	18.82	18.86	19.50
		25	25	19.02	18.78	18.62	19.50
		50	0	18.80	18.88	18.66	19.50
	256QAM	1	0	18.34	18.20	18.44	19.00
		1	25	18.24	18.26	18.32	19.00
		1	49	18.30	18.44	18.20	19.00

		25	0	18.34	18.38	18.22	19.00
		25	13	18.38	18.44	18.30	19.00
		25	25	18.40	18.36	18.24	19.00
		50	0	18.24	18.06	18.30	19.00
LTE B7							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	23.36	23.45	22.94	24.00
		1	13	23.45	23.70	23.07	24.00
		1	24	23.43	23.52	22.98	24.00
		12	0	22.29	22.43	22.04	23.00
		12	6	22.44	22.46	22.04	23.00
		12	13	22.42	22.43	21.92	23.00
		25	0	22.42	22.42	21.99	23.00
	16QAM	1	0	22.87	22.84	22.36	23.00
		1	13	22.72	22.90	22.47	23.00
		1	24	22.73	22.75	22.37	23.00
		12	0	21.37	21.46	21.04	22.00
		12	6	21.49	21.52	21.09	22.00
		12	13	21.44	21.47	20.99	22.00
		25	0	21.41	21.47	21.02	22.00
	64QAM	1	0	21.54	21.61	21.27	22.00
		1	13	21.55	21.77	21.20	22.00
		1	24	21.58	21.64	21.16	22.00
		12	0	20.30	20.54	20.00	21.00
		12	6	20.47	20.43	20.07	21.00
		12	13	20.45	20.50	19.95	21.00
		25	0	20.42	20.45	20.05	21.00
	256QAM	1	0	18.40	18.42	18.40	19.00
		1	13	18.46	18.64	18.64	19.00
		1	24	18.36	18.24	18.36	19.00
		12	0	18.38	18.42	18.50	19.00
		12	6	18.24	18.42	18.18	19.00
		12	13	18.68	18.54	18.74	19.00
		25	0	18.46	18.42	18.22	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20800/2505	21100/2535	21400/2565	
10MHz	QPSK	1	0	23.39	23.53	23.06	24.00
		1	25	23.46	23.60	23.09	24.00
		1	49	23.48	23.51	23.05	24.00
		25	0	22.36	22.50	22.10	23.00
		25	13	22.47	22.51	22.09	23.00

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		25	25	22.48	22.47	22.02	23.00
		50	0	22.46	22.50	22.10	23.00
	16QAM	1	0	22.86	22.90	22.40	23.00
		1	25	22.86	22.96	22.42	23.00
		1	49	22.94	22.97	22.55	23.00
		25	0	21.37	21.48	21.10	22.00
		25	13	21.48	21.51	21.12	22.00
		25	25	21.49	21.48	21.01	22.00
		50	0	21.51	21.49	21.09	22.00
		1	0	21.67	21.78	21.24	22.00
	64QAM	1	25	21.72	21.81	21.22	22.00
		1	49	21.65	21.76	21.34	22.00
		25	0	20.36	20.50	20.03	21.00
		25	13	20.51	20.50	20.09	21.00
		25	25	20.50	20.48	19.98	21.00
		50	0	20.50	20.47	20.11	21.00
		1	0	18.44	18.32	18.20	19.00
	256QAM	1	25	18.62	18.34	18.42	19.00
		1	49	18.10	18.18	18.38	19.00
		25	0	18.18	18.26	18.40	19.00
		25	13	18.34	18.32	18.26	19.00
		25	25	18.74	18.44	18.44	19.00
		50	0	18.30	18.28	18.28	19.00
		1	0	18.44	18.32	18.20	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20825/2507.5	21100/2535	21375/2562.5	
15MHz	QPSK	1	0	23.55	23.72	23.47	24.00
		1	38	23.62	23.71	23.15	24.00
		1	74	23.81	23.67	23.11	24.00
		36	0	22.41	22.50	22.17	23.00
		36	18	22.53	22.53	22.17	23.00
		36	39	22.54	22.50	22.07	23.00
		75	0	22.50	22.48	22.15	23.00
	16QAM	1	0	22.65	22.60	22.43	23.00
		1	38	22.59	22.60	22.34	23.00
		1	74	22.80	22.68	22.47	23.00
		36	0	21.46	21.51	21.12	22.00
		36	18	21.56	21.55	21.18	22.00
		36	39	21.56	21.52	21.09	22.00
		75	0	21.50	21.52	21.12	22.00
	64QAM	1	0	21.45	21.66	21.31	22.00
		1	38	21.51	21.70	21.22	22.00
		1	74	21.73	21.59	21.26	22.00
		36	0	20.38	20.51	20.12	21.00

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		36	18	20.52	20.54	20.18	21.00
		36	39	20.52	20.53	20.07	21.00
		75	0	20.52	20.51	20.13	21.00
	256QAM	1	0	18.52	18.28	18.42	19.00
		1	38	18.48	18.36	18.62	19.00
		1	74	18.40	18.44	18.24	19.00
		36	0	18.44	18.42	18.48	19.00
		36	18	18.32	18.42	18.40	19.00
		36	39	18.82	18.76	18.86	19.00
		75	0	18.14	18.22	18.40	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20850/2510	21100/2535	21350/2560	
20MHz	QPSK	1	0	23.58	23.68	23.54	24.00
		1	50	23.56	23.67	23.26	24.00
		1	99	23.79	23.71	23.24	24.00
		50	0	22.45	22.52	22.17	23.00
		50	25	22.56	22.54	22.19	23.00
		50	50	22.61	22.51	22.08	23.00
		100	0	22.56	22.49	22.21	23.00
	16QAM	1	0	22.54	22.73	22.60	23.00
		1	50	22.85	22.67	22.45	23.00
		1	99	22.76	22.63	22.37	23.00
		50	0	21.44	21.54	21.16	22.00
		50	25	21.57	21.53	21.23	22.00
		50	50	21.56	21.53	21.12	22.00
		100	0	21.58	21.51	21.19	22.00
	64QAM	1	0	21.61	21.52	21.45	22.00
		1	50	21.58	21.72	21.38	22.00
		1	99	21.85	21.64	21.25	22.00
		50	0	20.47	20.50	20.20	21.00
		50	25	20.55	20.55	20.23	21.00
		50	50	20.57	20.50	20.11	21.00
		100	0	20.51	20.50	20.17	21.00
	256QAM	1	0	18.44	18.56	18.34	19.00
		1	50	18.50	18.46	18.46	19.00
		1	99	18.30	18.20	18.26	19.00
		50	0	18.46	18.40	18.46	19.00
		50	25	18.16	18.22	18.42	19.00
		50	50	18.70	18.68	18.54	19.00
		100	0	18.20	18.24	18.42	19.00
LTE B7							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB	Offset	Channel/Frequency(MHz)			

		Allocation		20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	14.92	14.98	14.94	15.50
		1	13	15.08	14.90	15.06	15.50
		1	24	14.92	14.94	14.90	15.50
		12	0	14.92	14.86	14.88	15.50
		12	6	14.92	15.12	15.00	15.50
		12	13	14.90	14.98	14.92	15.50
		25	0	14.86	15.02	15.08	15.50
	16QAM	1	0	14.92	14.92	14.92	15.50
		1	13	14.90	15.10	15.04	15.50
		1	24	15.00	15.04	15.04	15.50
		12	0	14.94	14.92	14.86	15.50
		12	6	15.12	15.12	15.10	15.50
		12	13	15.10	15.04	15.06	15.50
		25	0	14.86	14.98	15.08	15.50
	64QAM	1	0	14.92	14.88	14.88	15.50
		1	13	14.88	15.04	14.86	15.50
		1	24	14.88	14.88	15.00	15.50
		12	0	15.00	15.02	15.12	15.50
		12	6	14.96	15.06	15.00	15.50
		12	13	15.10	14.92	14.86	15.50
		25	0	15.06	15.10	15.10	15.50
	256QAM	1	0	14.94	14.86	15.12	15.50
		1	13	14.98	14.80	14.98	15.50
		1	24	15.20	14.92	14.74	15.50
		12	0	15.08	14.66	15.08	15.50
		12	6	14.84	14.80	14.94	15.50
		12	13	14.88	14.96	14.78	15.50
		25	0	15.10	15.02	15.04	15.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
10MHz	QPSK	1	0	14.88	14.86	14.80	15.50
		1	25	14.96	14.84	14.96	15.50
		1	49	15.00	14.90	14.82	15.50
		25	0	15.06	14.88	14.78	15.50
		25	13	15.02	14.86	15.00	15.50
		25	25	14.78	14.94	14.88	15.50
		50	0	14.92	15.02	14.96	15.50
	16QAM	1	0	15.06	14.84	14.92	15.50
		1	25	14.78	14.82	14.88	15.50
		1	49	15.06	15.02	14.98	15.50
		25	0	15.02	15.06	15.04	15.50
		25	13	14.76	15.00	14.86	15.50

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		25	25	14.86	14.82	14.76	15.50
		50	0	15.02	14.76	15.02	15.50
	64QAM	1	0	14.86	14.76	14.98	15.50
		1	25	14.90	14.88	15.00	15.50
		1	49	15.06	14.84	14.82	15.50
		25	0	14.96	14.76	15.06	15.50
		25	13	14.94	14.90	14.82	15.50
		25	25	14.88	14.78	14.80	15.50
		50	0	15.06	15.06	15.02	15.50
		1	0	15.14	14.88	14.82	15.50
	256QAM	1	25	15.18	15.28	14.96	15.50
		1	49	14.98	15.04	14.72	15.50
		25	0	14.98	14.94	14.78	15.50
		25	13	15.18	14.88	14.64	15.50
		25	25	15.08	14.84	14.72	15.50
		50	0	15.18	15.04	15.04	15.50
		1	0	15.14	14.88	14.82	15.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20825/2507.5	21100/2535	21375/2562.5	
15MHz	QPSK	1	0	15.08	15.06	15.08	15.50
		1	38	15.14	15.12	15.18	15.50
		1	74	15.04	14.82	15.14	15.50
		36	0	15.04	15.10	15.10	15.50
		36	18	15.12	15.08	14.92	15.50
		36	39	14.92	14.80	15.08	15.50
		75	0	15.10	15.02	15.02	15.50
	16QAM	1	0	15.10	15.18	15.06	15.50
		1	38	14.90	14.82	15.10	15.50
		1	74	14.80	14.94	15.02	15.50
		36	0	14.96	15.10	15.16	15.50
		36	18	14.82	15.18	15.08	15.50
		36	39	14.82	15.16	15.12	15.50
		75	0	14.94	15.02	14.86	15.50
	64QAM	1	0	15.00	14.82	14.96	15.50
		1	38	14.88	15.16	15.08	15.50
		1	74	15.04	14.84	15.16	15.50
		36	0	15.12	15.04	14.92	15.50
		36	18	14.98	14.92	14.86	15.50
		36	39	14.96	15.02	14.90	15.50
		75	0	15.18	15.08	14.86	15.50
	256QAM	1	0	14.84	15.22	14.94	15.50
		1	38	14.94	14.78	14.84	15.50
		1	74	14.90	14.94	14.94	15.50
		36	0	15.06	15.08	15.04	15.50

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		36	18	14.68	14.86	14.98	15.50
		36	39	14.90	14.86	15.08	15.50
		75	0	15.16	15.00	14.70	15.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				20850/2510	21100/2535	21350/2560	
20MHz	QPSK	1	0	14.98	15.10	15.04	15.50
		1	50	15.10	14.86	15.14	15.50
		1	99	15.14	15.10	14.94	15.50
		50	0	15.12	14.92	15.00	15.50
		50	25	15.14	15.00	15.06	15.50
		50	50	15.15	14.96	15.00	15.50
		100	0	14.94	14.88	15.14	15.50
	16QAM	1	0	14.92	15.12	15.14	15.50
		1	50	15.00	14.90	15.08	15.50
		1	99	14.96	15.06	15.08	15.50
		50	0	14.92	15.08	14.96	15.50
		50	25	14.92	15.08	14.88	15.50
		50	50	14.92	14.92	15.00	15.50
		100	0	15.04	14.98	14.94	15.50
	64QAM	1	0	14.98	14.94	15.04	15.50
		1	50	15.12	15.12	14.88	15.50
		1	99	15.14	15.08	14.86	15.50
		50	0	14.84	15.04	14.98	15.50
		50	25	15.10	15.02	14.84	15.50
		50	50	15.00	15.06	14.84	15.50
		100	0	15.04	14.96	15.04	15.50
	256QAM	1	0	14.94	14.98	15.10	15.50
		1	50	15.26	14.62	15.26	15.50
		1	99	14.82	14.96	14.82	15.50
		50	0	15.08	15.00	15.08	15.50
		50	25	15.24	15.12	15.00	15.50
		50	50	15.02	15.12	14.98	15.50
		100	0	14.96	14.86	14.98	15.50
LTE B12							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	23.50	23.55	23.43	24.00
		1	2	23.55	23.57	23.41	24.00
		1	5	23.53	23.51	23.39	24.00
		3	0	23.54	23.46	23.40	24.00
		3	2	23.54	23.53	23.36	24.00
		3	3	23.56	23.45	23.41	24.00

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	16QAM	6	0	22.57	22.43	22.41	23.00
		1	0	22.85	22.80	22.79	23.00
		1	2	22.85	22.80	22.86	23.00
		1	5	22.82	22.91	22.72	23.00
		3	0	22.69	22.58	22.46	23.00
		3	2	22.61	22.54	22.51	23.00
		3	3	22.70	22.58	22.53	23.00
		6	0	21.59	21.37	21.45	22.00
	64QAM	1	0	21.61	21.64	21.63	22.00
		1	2	21.76	21.71	21.64	22.00
		1	5	21.72	21.58	21.62	22.00
		3	0	21.64	21.55	21.55	22.00
		3	2	21.63	21.53	21.51	22.00
		3	3	21.70	21.56	21.58	22.00
		6	0	20.59	20.43	20.48	21.00
	256QAM	1	0	18.61	18.61	18.51	19.00
		1	2	18.63	18.79	18.75	19.00
		1	5	18.69	18.75	18.75	19.00
		3	0	18.61	18.67	18.71	19.00
		3	2	18.69	18.83	18.79	19.00
		3	3	18.51	18.65	18.53	19.00
		6	0	18.81	18.85	18.59	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23025/700.5	23095/707.5	23165/714.5	
3MHz	QPSK	1	0	23.42	23.43	23.38	24.00
		1	7	23.49	23.53	23.46	24.00
		1	14	23.12	23.43	23.35	24.00
		8	0	22.55	22.51	22.48	23.00
		8	4	22.53	22.41	22.48	23.00
		8	7	22.52	22.42	22.45	23.00
		15	0	22.53	22.43	22.48	23.00
	16QAM	1	0	22.80	22.77	22.82	23.00
		1	7	22.86	22.78	22.85	23.00
		1	14	22.63	22.77	22.67	23.00
		8	0	21.66	21.54	21.54	22.00
		8	4	21.62	21.55	21.51	22.00
		8	7	21.60	21.47	21.57	22.00
		15	0	21.57	21.42	21.50	22.00
	64QAM	1	0	21.77	21.63	21.57	22.00
		1	7	21.83	21.79	21.63	22.00
		1	14	21.48	21.63	21.51	22.00
		8	0	20.60	20.57	20.50	21.00
		8	4	20.53	20.47	20.53	21.00

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		8	7	20.60	20.49	20.50	21.00
		15	0	20.56	20.43	20.50	21.00
	256QAM	1	0	18.61	18.65	18.69	19.00
		1	7	18.59	18.53	18.47	19.00
		1	14	18.55	18.67	18.79	19.00
		8	0	18.47	18.45	18.41	19.00
		8	4	18.53	18.63	18.79	19.00
		8	7	18.35	18.57	18.37	19.00
		15	0	18.79	18.67	18.49	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	23.42	23.11	23.47	24.00
		1	13	23.18	23.49	23.52	24.00
		1	24	22.84	23.46	23.47	24.00
		12	0	22.56	22.48	22.53	23.00
		12	6	22.34	22.46	22.51	23.00
		12	13	22.02	22.49	22.42	23.00
		25	0	22.42	22.47	22.51	23.00
	16QAM	1	0	22.88	22.02	22.72	23.00
		1	13	22.49	22.80	22.92	23.00
		1	24	22.27	22.73	22.70	23.00
		12	0	21.57	21.56	21.55	22.00
		12	6	21.44	21.48	21.55	22.00
		12	13	21.15	21.49	21.46	22.00
		25	0	21.55	21.47	21.53	22.00
	64QAM	1	0	21.67	20.86	21.62	22.00
		1	13	21.45	21.73	21.59	22.00
		1	24	21.22	21.68	21.53	22.00
		12	0	20.53	20.51	20.47	21.00
		12	6	20.58	20.50	20.54	21.00
		12	13	20.21	20.49	20.46	21.00
		25	0	20.54	20.43	20.58	21.00
	256QAM	1	0	18.79	18.47	18.57	19.00
		1	13	18.71	18.57	18.57	19.00
		1	24	18.63	18.71	18.71	19.00
		12	0	18.51	18.43	18.49	19.00
		12	6	18.61	18.63	18.81	19.00
		12	13	18.33	18.53	18.57	19.00
		25	0	18.61	18.63	18.51	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23060/704	23095/707.5	23130/711	
10MHz	QPSK	1	0	23.43	23.14	23.48	24.00
		1	25	23.12	23.49	23.57	24.00

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		1	49	23.58	23.54	23.50	24.00
		25	0	22.37	22.28	22.59	23.00
		25	13	22.04	22.51	22.58	23.00
		25	25	22.52	22.49	22.49	23.00
		50	0	22.46	22.44	22.55	23.00
	16QAM	1	0	22.67	22.18	22.86	23.00
		1	25	22.12	22.88	22.88	23.00
		1	49	22.92	22.91	22.89	23.00
		25	0	21.47	21.39	21.54	22.00
		25	13	21.14	21.53	21.57	22.00
		25	25	21.51	21.53	21.49	22.00
		50	0	21.57	21.53	21.58	22.00
	64QAM	1	0	21.50	21.23	21.67	22.00
		1	25	21.16	21.77	21.74	22.00
		1	49	21.69	21.65	21.65	22.00
		25	0	20.55	20.46	20.59	21.00
		25	13	20.21	20.48	20.59	21.00
		25	25	20.47	20.52	20.48	21.00
		50	0	20.58	20.44	20.59	21.00
	256QAM	1	0	18.59	18.47	18.75	19.00
		1	25	18.77	18.71	18.63	19.00
		1	49	18.91	18.81	18.71	19.00
		25	0	18.71	18.43	18.69	19.00
		25	13	18.71	18.63	18.81	19.00
		25	25	18.69	18.57	18.61	19.00
		50	0	18.83	18.75	18.83	19.00
LTE B12							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	16.73	16.67	16.49	17.50
		1	2	16.59	16.53	16.53	17.50
		1	5	16.53	16.67	16.71	17.50
		3	0	16.55	16.61	16.55	17.50
		3	2	16.67	16.65	16.51	17.50
		3	3	16.53	16.71	16.49	17.50
		6	0	16.69	16.51	16.71	17.50
	16QAM	1	0	16.75	16.51	16.59	17.50
		1	2	16.57	16.67	16.65	17.50
		1	5	16.71	16.69	16.49	17.50
		3	0	16.67	16.75	16.53	17.50
		3	2	16.65	16.69	16.57	17.50
		3	3	16.65	16.73	16.61	17.50

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		6	0	16.73	16.63	16.67	17.50
		1	0	16.65	16.67	16.73	17.50
		1	2	16.63	16.69	16.73	17.50
		1	5	16.51	16.59	16.75	17.50
		3	0	16.63	16.75	16.55	17.50
		3	2	16.71	16.55	16.49	17.50
		3	3	16.67	16.55	16.67	17.50
		6	0	16.57	16.69	16.57	17.50
		1	0	16.53	16.81	16.69	17.50
		1	2	16.49	16.67	16.63	17.50
		1	5	16.43	16.63	16.43	17.50
		3	0	16.67	16.35	16.55	17.50
		3	2	16.63	16.37	16.35	17.50
		3	3	16.81	16.31	16.73	17.50
		6	0	16.43	16.45	16.63	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23025/700.5	23095/707.5	23165/714.5	
3MHz	QPSK	1	0	16.47	16.49	16.39	17.50
		1	7	16.43	16.61	16.43	17.50
		1	14	16.39	16.51	16.67	17.50
		8	0	16.47	16.55	16.49	17.50
		8	4	16.39	16.49	16.49	17.50
		8	7	16.57	16.57	16.51	17.50
		15	0	16.55	16.55	16.45	17.50
	16QAM	1	0	16.63	16.53	16.39	17.50
		1	7	16.49	16.49	16.67	17.50
		1	14	16.63	16.39	16.45	17.50
		8	0	16.63	16.45	16.65	17.50
		8	4	16.47	16.43	16.49	17.50
		8	7	16.51	16.61	16.43	17.50
		15	0	16.61	16.51	16.63	17.50
	64QAM	1	0	16.63	16.59	16.61	17.50
		1	7	16.57	16.51	16.43	17.50
		1	14	16.67	16.65	16.59	17.50
		8	0	16.59	16.39	16.61	17.50
		8	4	16.47	16.41	16.63	17.50
		8	7	16.61	16.39	16.65	17.50
		15	0	16.45	16.41	16.65	17.50
	256QAM	1	0	16.47	16.63	16.45	17.50
		1	7	16.47	16.35	16.83	17.50
		1	14	16.55	16.67	16.25	17.50
		8	0	16.43	16.51	16.51	17.50
		8	4	16.63	16.67	16.37	17.50

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		8	7	16.49	16.67	16.43	17.50
		15	0	16.81	16.53	16.77	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23035/701.5	23095/707.5	23155/713.5	
5MHz	QPSK	1	0	16.81	16.75	16.65	17.50
		1	13	16.41	16.53	16.41	17.50
		1	24	16.53	16.51	16.55	17.50
		12	0	16.47	16.81	16.79	17.50
		12	6	16.41	16.79	16.47	17.50
		12	13	16.59	16.77	16.69	17.50
		25	0	16.41	16.59	16.69	17.50
	16QAM	1	0	16.75	16.53	16.53	17.50
		1	13	16.55	16.65	16.51	17.50
		1	24	16.61	16.67	16.55	17.50
		12	0	16.63	16.73	16.61	17.50
		12	6	16.69	16.55	16.81	17.50
		12	13	16.47	16.51	16.71	17.50
		25	0	16.59	16.61	16.57	17.50
	64QAM	1	0	16.45	16.73	16.49	17.50
		1	13	16.77	16.55	16.63	17.50
		1	24	16.61	16.51	16.77	17.50
		12	0	16.65	16.65	16.67	17.50
		12	6	16.63	16.57	16.53	17.50
		12	13	16.67	16.41	16.79	17.50
		25	0	16.49	16.53	16.79	17.50
	256QAM	1	0	16.55	16.61	16.23	17.50
		1	13	16.35	16.61	16.63	17.50
		1	24	16.51	16.37	16.57	17.50
		12	0	16.61	16.49	16.61	17.50
		12	6	16.39	16.65	16.47	17.50
		12	13	16.69	16.83	16.63	17.50
		25	0	16.63	16.43	16.73	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23060/704	23095/707.5	23130/711	
10MHz	QPSK	1	0	16.59	16.53	16.47	17.50
		1	25	16.59	16.73	16.61	17.50
		1	49	16.63	16.49	16.69	17.50
		25	0	16.75	16.67	16.71	17.50
		25	13	16.49	16.75	16.61	17.50
		25	25	16.73	16.71	16.77	17.50
		50	0	16.49	16.59	16.69	17.50
	16QAM	1	0	16.69	16.51	16.63	17.50
		1	25	16.53	16.49	16.69	17.50

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		1	49	16.67	16.59	16.49	17.50	
		25	0	16.63	16.51	16.73	17.50	
		25	13	16.67	16.77	16.53	17.50	
		25	25	16.57	16.57	16.59	17.50	
		50	0	16.65	16.59	16.65	17.50	
	64QAM	1	0	16.47	16.75	16.77	17.50	
		1	25	16.47	16.61	16.63	17.50	
		1	49	16.65	16.67	16.67	17.50	
		25	0	16.55	16.57	16.55	17.50	
		25	13	16.75	16.47	16.49	17.50	
		25	25	16.67	16.51	16.67	17.50	
		50	0	16.53	16.53	16.77	17.50	
	256QAM	1	0	16.57	16.51	16.23	17.50	
		1	25	16.35	16.79	16.57	17.50	
		1	49	16.47	16.51	16.59	17.50	
		25	0	16.57	16.61	16.59	17.50	
		25	13	16.49	16.67	16.43	17.50	
		25	25	16.57	16.79	16.77	17.50	
		50	0	16.63	16.37	16.67	17.50	
	LTE B13							
	Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)				
				23205/779.5	23230/782	23255/784.5		
5MHz	QPSK	1	0	23.24	23.46	23.28	24.00	
		1	13	23.63	23.39	23.33	24.00	
		1	24	23.47	23.37	23.17	24.00	
		12	0	22.53	22.58	22.40	23.00	
		12	6	22.56	22.48	22.42	23.00	
		12	13	22.50	22.49	22.30	23.00	
		25	0	22.54	22.52	22.36	23.00	
	16QAM	1	0	22.64	22.84	22.59	23.00	
		1	13	22.70	22.78	22.70	23.00	
		1	24	22.88	22.63	22.39	23.00	
		12	0	21.57	21.57	21.44	22.00	
		12	6	21.61	21.45	21.48	22.00	
		12	13	21.55	21.47	21.33	22.00	
		25	0	21.55	21.49	21.40	22.00	
	64QAM	1	0	21.37	21.64	21.61	22.00	
		1	13	21.81	21.47	21.68	22.00	
		1	24	21.69	21.50	21.28	22.00	
		12	0	20.61	20.47	20.42	21.00	
		12	6	20.59	20.39	20.50	21.00	
		12	13	20.54	20.43	20.34	21.00	

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		25	0	20.55	20.41	20.41	21.00
	256QAM	1	0	18.54	18.16	18.64	19.00
		1	13	18.52	18.32	18.30	19.00
		1	24	18.28	18.34	18.06	19.00
		12	0	18.44	18.14	18.44	19.00
		12	6	18.38	18.24	18.50	19.00
		12	13	18.42	18.40	18.04	19.00
		25	0	18.26	18.60	18.38	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	23230/782	/	
10MHz	QPSK	1	0	/	23.24	/	24.00
		1	25	/	23.33	/	24.00
		1	49	/	23.20	/	24.00
		25	0	/	22.45	/	23.00
		25	13	/	22.46	/	23.00
		25	25	/	22.38	/	23.00
		50	0	/	22.45	/	23.00
	16QAM	1	0	/	22.59	/	23.00
		1	25	/	22.59	/	23.00
		1	49	/	22.55	/	23.00
		25	0	/	21.50	/	22.00
		25	13	/	21.51	/	22.00
		25	25	/	21.41	/	22.00
		50	0	/	21.53	/	22.00
	64QAM	1	0	/	21.39	/	22.00
		1	25	/	21.39	/	22.00
		1	49	/	21.39	/	22.00
		25	0	/	20.40	/	21.00
		25	13	/	20.49	/	21.00
		25	25	/	20.46	/	21.00
		50	0	/	20.47	/	21.00
	256QAM	1	0	/	18.26	/	19.00
		1	25	/	18.30	/	19.00
		1	49	/	18.36	/	19.00
		25	0	/	18.30	/	19.00
		25	13	/	18.46	/	19.00
		25	25	/	18.34	/	19.00
		50	0	/	18.66	/	19.00
LTE B13							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23205/779.5	23230/782	23255/784.5	
5MHz	QPSK	1	0	18.24	18.18	18.20	18.50

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		1	13	18.12	18.16	18.10	18.50
		1	24	18.08	18.12	18.16	18.50
		12	0	18.28	18.08	18.06	18.50
		12	6	18.20	18.36	18.36	18.50
		12	13	18.16	18.22	18.38	18.50
		25	0	18.28	18.10	18.36	18.50
	16QAM	1	0	18.38	18.34	18.32	18.50
		1	13	18.26	18.34	18.22	18.50
		1	24	18.06	18.02	18.26	18.50
		12	0	18.26	18.16	18.14	18.50
		12	6	18.16	18.02	18.34	18.50
		12	13	18.32	18.00	18.36	18.50
		25	0	18.06	18.16	18.28	18.50
	64QAM	1	0	18.26	18.00	18.04	18.50
		1	13	18.18	18.10	18.30	18.50
		1	24	18.28	18.32	18.06	18.50
		12	0	18.40	18.30	18.00	18.50
		12	6	18.00	18.16	18.20	18.50
		12	13	18.32	18.12	18.24	18.50
		25	0	18.36	18.20	18.38	18.50
	256QAM	1	0	18.30	18.20	18.34	18.50
		1	13	18.12	18.16	18.14	18.50
		1	24	18.12	18.08	18.12	18.50
		12	0	18.08	18.16	18.22	18.50
		12	6	18.14	18.08	18.08	18.50
		12	13	18.28	18.16	18.28	18.50
		25	0	18.28	18.26	18.18	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	23230/782	/	
10MHz	QPSK	1	0	/	18.24	/	18.50
		1	25	/	17.98	/	18.50
		1	49	/	18.28	/	18.50
		25	0	/	18.18	/	18.50
		25	13	/	18.12	/	18.50
		25	25	/	18.20	/	18.50
		50	0	/	18.37	/	18.50
	16QAM	1	0	/	18.08	/	18.50
		1	25	/	18.10	/	18.50
		1	49	/	17.98	/	18.50
		25	0	/	17.98	/	18.50
		25	13	/	18.12	/	18.50
		25	25	/	18.28	/	18.50
		50	0	/	18.02	/	18.50

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	64QAM	1	0	/	18.02	/	18.50
		1	25	/	18.00	/	18.50
		1	49	/	18.20	/	18.50
		25	0	/	18.04	/	18.50
		25	13	/	18.28	/	18.50
		25	25	/	18.16	/	18.50
		50	0	/	18.04	/	18.50
	256QAM	1	0	/	18.26	/	18.50
		1	25	/	18.14	/	18.50
		1	49	/	18.18	/	18.50
		25	0	/	18.06	/	18.50
		25	13	/	18.16	/	18.50
		25	25	/	18.04	/	18.50
		50	0	/	18.28	/	18.50
LTE B14							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23305/790.5	23330/793	23355/795.5	
5MHz	QPSK	1	0	23.54	23.40	23.30	24.00
		1	13	23.50	23.53	23.21	24.00
		1	24	23.46	23.33	23.65	24.00
		12	0	22.47	22.48	22.31	23.00
		12	6	22.47	22.48	22.18	23.00
		12	13	22.46	22.29	22.35	23.00
		25	0	22.47	22.42	22.31	23.00
	16QAM	1	0	22.95	22.82	22.69	23.00
		1	13	22.95	22.90	22.59	23.00
		1	24	22.81	22.59	22.96	23.00
		12	0	21.48	21.52	21.34	22.00
		12	6	21.54	21.49	21.20	22.00
		12	13	21.53	21.31	21.34	22.00
		25	0	21.48	21.42	21.33	22.00
	64QAM	1	0	21.88	21.50	21.61	22.00
		1	13	21.57	21.62	21.41	22.00
		1	24	21.67	21.48	21.89	22.00
		12	0	20.49	20.43	20.30	21.00
		12	6	20.50	20.45	20.23	21.00
		12	13	20.43	20.24	20.34	21.00
		25	0	20.46	20.36	20.30	21.00
	256QAM	1	0	18.22	18.22	18.22	19.00
		1	13	18.34	18.18	18.26	19.00
		1	24	18.32	18.28	18.24	19.00
		12	0	18.38	18.18	18.34	19.00

		12	6	18.34	18.34	18.34	19.00
		12	13	18.34	18.34	18.26	19.00
		25	0	18.34	18.26	18.46	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	23330/793	/	
10MHz	QPSK	1	0	/	23.37	/	24.00
		1	25	/	23.33	/	24.00
		1	49	/	23.53	/	24.00
		25	0	/	22.33	/	23.00
		25	13	/	22.31	/	23.00
		25	25	/	22.30	/	23.00
		50	0	/	22.35	/	23.00
	16QAM	1	0	/	22.62	/	23.00
		1	25	/	22.78	/	23.00
		1	49	/	22.88	/	23.00
		25	0	/	21.33	/	22.00
		25	13	/	21.36	/	22.00
		25	25	/	21.34	/	22.00
		50	0	/	21.33	/	22.00
	64QAM	1	0	/	21.62	/	22.00
		1	25	/	21.52	/	22.00
		1	49	/	21.68	/	22.00
		25	0	/	20.34	/	21.00
		25	13	/	20.34	/	21.00
		25	25	/	20.31	/	21.00
		50	0	/	20.34	/	21.00
	256QAM	1	0	/	18.28	/	19.00
		1	25	/	18.18	/	19.00
		1	49	/	18.36	/	19.00
		25	0	/	18.38	/	19.00
		25	13	/	18.40	/	19.00
		25	25	/	18.48	/	19.00
		50	0	/	18.42	/	19.00
LTE B14							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23305/790.5	23330/793	23355/795.5	
5MHz	QPSK	1	0	19.10	18.96	18.90	19.50
		1	13	18.86	18.98	18.88	19.50
		1	24	18.90	19.06	18.94	19.50
		12	0	19.00	19.08	19.20	19.50
		12	6	18.90	19.06	18.82	19.50
		12	13	18.94	18.84	19.02	19.50

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	16QAM	25	0	19.22	18.88	19.04	19.50
		1	0	19.02	18.90	18.82	19.50
		1	13	18.86	18.90	19.04	19.50
		1	24	19.20	19.10	19.20	19.50
		12	0	19.22	18.94	18.90	19.50
		12	6	19.08	19.06	18.96	19.50
		12	13	18.88	18.92	18.90	19.50
		25	0	18.82	19.14	19.10	19.50
	64QAM	1	0	19.20	18.98	19.22	19.50
		1	13	19.08	18.96	19.16	19.50
		1	24	18.94	18.86	19.18	19.50
		12	0	18.96	18.96	18.82	19.50
		12	6	18.86	19.00	19.14	19.50
		12	13	19.06	19.02	18.94	19.50
		25	0	19.16	19.20	19.06	19.50
		25	0	18.12	18.16	18.28	19.00
	256QAM	1	13	18.44	18.18	18.14	19.00
		1	24	18.54	18.26	18.36	19.00
		12	0	18.04	18.12	18.34	19.00
		12	6	18.42	18.22	18.42	19.00
		12	13	18.30	18.32	18.22	19.00
		25	0	18.18	18.58	18.32	19.00
		25	0	18.18	18.58	18.32	19.00
		25	0	18.18	18.58	18.32	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	23330/793	/	
10MHz	QPSK	1	0	/	19.12	/	19.50
		1	25	/	19.18	/	19.50
		1	49	/	18.90	/	19.50
		25	0	/	18.96	/	19.50
		25	13	/	19.26	/	19.50
		25	25	/	18.90	/	19.50
		50	0	/	19.18	/	19.50
		50	0	/	19.18	/	19.50
	16QAM	1	0	/	19.04	/	19.50
		1	25	/	19.00	/	19.50
		1	49	/	19.06	/	19.50
		25	0	/	18.88	/	19.50
		25	13	/	18.88	/	19.50
		25	25	/	18.96	/	19.50
		50	0	/	19.08	/	19.50
		50	0	/	19.08	/	19.50
	64QAM	1	0	/	18.98	/	19.50
		1	25	/	19.10	/	19.50
		1	49	/	18.90	/	19.50
		25	0	/	19.14	/	19.50
		25	13	/	19.16	/	19.50

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		25	25	/	19.08	/	19.50
		50	0	/	19.00	/	19.50
	256QAM	1	0	/	18.36	/	19.00
		1	25	/	18.32	/	19.00
		1	49	/	18.40	/	19.00
		25	0	/	18.36	/	19.00
		25	13	/	18.20	/	19.00
		25	25	/	18.26	/	19.00
		50	0	/	18.36	/	19.00
LTE B17							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23755/706.5	23790/710	23825/713.5	
5MHz	QPSK	1	0	23.58	23.57	23.46	24.00
		1	13	23.72	23.69	23.45	24.00
		1	24	23.66	23.55	23.37	24.00
		12	0	22.69	22.70	22.48	23.00
		12	6	22.72	22.65	22.45	23.00
		12	13	22.76	22.61	22.36	23.00
		25	0	22.74	22.63	22.47	23.00
	16QAM	1	0	22.95	22.86	22.78	23.00
		1	13	22.90	22.88	22.72	23.00
		1	24	22.85	22.78	22.80	23.00
		12	0	21.78	21.70	21.50	22.00
		12	6	21.82	21.60	21.48	22.00
		12	13	21.78	21.55	21.45	22.00
		25	0	21.78	21.58	21.48	22.00
	64QAM	1	0	21.74	21.72	21.62	22.00
		1	13	21.84	21.87	21.70	22.00
		1	24	21.87	21.54	21.55	22.00
		12	0	20.75	20.68	20.52	21.00
		12	6	20.78	20.62	20.47	21.00
		12	13	20.82	20.55	20.43	21.00
		25	0	20.74	20.53	20.50	21.00
	256QAM	1	0	18.42	18.58	18.48	19.00
		1	13	18.74	18.64	18.80	19.00
		1	24	18.52	18.40	18.50	19.00
		12	0	18.52	18.84	18.72	19.00
		12	6	18.48	18.42	18.58	19.00
		12	13	18.40	18.54	18.66	19.00
		25	0	18.70	18.78	18.60	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23780/709	23790/710	23800/711	

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10MHz	QPSK	1	0	23.48	23.53	23.52	24.00
		1	25	23.61	23.63	23.63	24.00
		1	49	23.51	23.44	23.41	24.00
		25	0	22.60	22.72	22.64	23.00
		25	13	22.61	22.59	22.56	23.00
		25	25	22.57	22.55	22.55	23.00
		50	0	22.61	22.58	22.55	23.00
	16QAM	1	0	22.80	22.75	22.88	23.00
		1	25	22.86	22.83	22.80	23.00
		1	49	22.94	22.78	22.76	23.00
		25	0	21.65	21.64	21.66	22.00
		25	13	21.60	21.64	21.57	22.00
		25	25	21.60	21.51	21.48	22.00
		50	0	21.57	21.61	21.54	22.00
	64QAM	1	0	21.71	21.67	21.72	22.00
		1	25	21.79	21.86	21.77	22.00
		1	49	21.70	21.71	21.64	22.00
		25	0	20.66	20.63	20.61	21.00
		25	13	20.65	20.64	20.56	21.00
		25	25	20.57	20.51	20.45	21.00
		50	0	20.61	20.57	20.60	21.00
	256QAM	1	0	18.64	18.50	18.78	19.00
		1	25	18.76	18.76	18.68	19.00
		1	49	18.46	18.68	18.64	19.00
		25	0	18.76	18.54	18.66	19.00
		25	13	18.68	18.48	18.50	19.00
		25	25	18.54	18.46	18.62	19.00
		50	0	18.66	18.64	18.62	19.00
LTE B17							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				23755/706.5	23790/710	23825/713.5	
5MHz	QPSK	1	0	16.50	16.58	16.50	17.50
		1	13	16.52	16.80	16.48	17.50
		1	24	16.88	16.52	16.60	17.50
		12	0	16.70	16.70	16.88	17.50
		12	6	16.84	16.88	16.60	17.50
		12	13	16.54	16.54	16.60	17.50
		25	0	16.78	16.60	16.52	17.50
	16QAM	1	0	16.80	16.60	16.62	17.50
		1	13	16.80	16.64	16.88	17.50
		1	24	16.48	16.74	16.50	17.50
		12	0	16.52	16.52	16.50	17.50

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		12	6	16.74	16.68	16.62	17.50
		12	13	16.76	16.70	16.78	17.50
		25	0	16.68	16.74	16.88	17.50
	64QAM	1	0	16.82	16.48	16.60	17.50
		1	13	16.52	16.88	16.88	17.50
		1	24	16.82	16.50	16.66	17.50
		12	0	16.76	16.60	16.64	17.50
		12	6	16.78	16.86	16.72	17.50
		12	13	16.66	16.64	16.82	17.50
		25	0	16.82	16.62	16.52	17.50
	256QAM	1	0	16.54	16.54	16.66	17.50
		1	13	16.64	16.80	16.60	17.50
		1	24	16.78	16.74	16.80	17.50
		12	0	16.60	16.74	16.60	17.50
		12	6	16.62	16.58	16.80	17.50
		12	13	16.76	16.74	16.72	17.50
		25	0	16.66	16.60	16.62	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				23780/709	23790/710	23800/711	
10MHz	QPSK	1	0	16.80	16.58	16.66	17.50
		1	25	16.70	16.64	16.56	17.50
		1	49	16.62	16.80	16.74	17.50
		25	0	16.82	16.72	16.60	17.50
		25	13	16.80	16.72	16.68	17.50
		25	25	16.66	16.56	16.56	17.50
		50	0	16.66	16.80	16.80	17.50
	16QAM	1	0	16.58	16.64	16.76	17.50
		1	25	16.68	16.82	16.64	17.50
		1	49	16.82	16.78	16.58	17.50
		25	0	16.58	16.70	16.56	17.50
		25	13	16.80	16.62	16.64	17.50
		25	25	16.70	16.72	16.70	17.50
		50	0	16.68	16.64	16.76	17.50
	64QAM	1	0	16.68	16.72	16.74	17.50
		1	25	16.80	16.64	16.76	17.50
		1	49	16.82	16.68	16.68	17.50
		25	0	16.68	16.78	16.62	17.50
		25	13	16.74	16.58	16.76	17.50
		25	25	16.80	16.76	16.82	17.50
		50	0	16.66	16.60	16.64	17.50
	256QAM	1	0	16.74	16.80	16.70	17.50
		1	25	16.70	16.54	16.54	17.50
		1	49	16.74	16.80	16.56	17.50

		25	0	16.70	16.74	16.62	17.50
		25	13	16.72	16.70	16.56	17.50
		25	25	16.54	16.76	16.76	17.50
		50	0	16.62	16.60	16.76	17.50
LTE B25							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26047/1850.7	26365/1882.5	26683/1914.3	
1.4MHz	QPSK	1	0	23.46	23.56	23.46	24.00
		1	2	23.50	23.59	23.51	24.00
		1	5	23.45	23.53	23.49	24.00
		3	0	23.44	23.59	23.47	24.00
		3	2	23.48	23.58	23.47	24.00
		3	3	23.26	23.37	23.29	24.00
		6	0	22.23	22.38	22.29	23.00
	16QAM	1	0	22.55	22.66	22.70	23.00
		1	2	22.49	22.76	22.62	23.00
		1	5	22.54	22.65	22.59	23.00
		3	0	22.33	22.45	22.41	23.00
		3	2	22.29	22.48	22.38	23.00
		3	3	22.32	22.44	22.41	23.00
		6	0	21.26	21.42	21.38	22.00
	64QAM	1	0	21.32	21.45	21.51	22.00
		1	2	21.58	21.75	21.58	22.00
		1	5	21.57	21.70	21.63	22.00
		3	0	21.56	21.72	21.66	22.00
		3	2	21.52	21.69	21.58	22.00
		3	3	21.54	21.73	21.62	22.00
		6	0	20.51	20.66	20.55	21.00
	256QAM	1	0	18.64	18.54	18.66	19.00
		1	2	18.66	18.86	18.82	19.00
		1	5	18.74	18.86	18.58	19.00
		3	0	18.48	18.44	18.54	19.00
		3	2	18.72	18.52	18.08	19.00
		3	3	18.48	18.56	18.72	19.00
		6	0	18.98	18.68	18.32	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26055/1851.5	26365/1882.5	26675/1913.5	
3MHz	QPSK	1	0	23.37	23.56	23.40	24.00
		1	7	23.48	23.65	23.59	24.00
		1	14	23.37	23.54	23.47	24.00
		8	0	22.53	22.59	22.49	23.00
		8	4	22.48	22.57	22.57	23.00

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		8	7	22.50	22.64	22.59	23.00
		15	0	22.54	22.58	22.52	23.00
	16QAM	1	0	22.44	22.73	22.54	23.00
		1	7	22.68	22.67	22.62	23.00
		1	14	22.55	22.64	22.67	23.00
		8	0	21.62	21.63	21.61	22.00
		8	4	21.62	21.65	21.66	22.00
		8	7	21.60	21.67	21.66	22.00
		15	0	21.58	21.61	21.54	22.00
	64QAM	1	0	21.31	21.52	21.37	22.00
		1	7	21.46	21.61	21.46	22.00
		1	14	21.38	21.62	21.53	22.00
		8	0	20.57	20.62	20.56	21.00
		8	4	20.57	20.64	20.65	21.00
		8	7	20.49	20.68	20.60	21.00
		15	0	20.53	20.59	20.55	21.00
	256QAM	1	0	18.66	18.48	18.54	19.00
		1	7	18.58	18.79	18.88	19.00
		1	14	18.64	18.72	18.50	19.00
		8	0	18.48	18.52	18.44	19.00
		8	4	18.54	18.34	18.12	19.00
		8	7	18.38	18.54	18.56	19.00
		15	0	18.90	18.54	18.34	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26065/1852.5	26365/1882.5	26665/1912.5	
5MHz	QPSK	1	0	23.27	23.41	23.34	24.00
		1	13	23.29	23.43	23.37	24.00
		1	24	23.21	23.38	23.35	24.00
		12	0	22.25	22.42	22.34	23.00
		12	6	22.33	22.37	22.31	23.00
		12	13	22.32	22.48	22.41	23.00
		25	0	22.33	22.40	22.32	23.00
	16QAM	1	0	22.66	22.68	22.58	23.00
		1	13	22.69	22.70	22.70	23.00
		1	24	22.53	22.81	22.59	23.00
		12	0	21.31	21.46	21.35	22.00
		12	6	21.43	21.45	21.35	22.00
		12	13	21.42	21.52	21.44	22.00
		25	0	21.38	21.44	21.35	22.00
	64QAM	1	0	21.34	21.57	21.57	22.00
		1	13	21.53	21.55	21.54	22.00
		1	24	21.40	21.52	21.57	22.00
		12	0	20.35	20.37	20.36	21.00

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		12	6	20.37	20.41	20.34	21.00
		12	13	20.36	20.52	20.43	21.00
		25	0	20.58	20.60	20.53	21.00
	256QAM	1	0	18.54	18.68	18.66	19.00
		1	13	18.72	18.88	18.94	19.00
		1	24	18.52	18.52	18.46	19.00
		12	0	18.70	18.60	18.66	19.00
		12	6	18.38	18.48	18.50	19.00
		12	13	18.68	18.64	18.52	19.00
		25	0	18.52	18.48	18.58	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26090/1855	26365/1882.5	26640/1910	
10MHz	QPSK	1	0	23.28	23.42	23.35	24.00
		1	25	23.30	23.46	23.34	24.00
		1	49	23.26	23.43	23.33	24.00
		25	0	22.28	22.41	22.34	23.00
		25	13	22.40	22.44	22.36	23.00
		25	25	22.36	22.47	22.41	23.00
		50	0	22.38	22.44	22.40	23.00
	16QAM	1	0	22.79	22.79	22.70	23.00
		1	25	22.58	22.89	22.68	23.00
		1	49	22.61	22.87	22.70	23.00
		25	0	21.33	21.46	21.41	22.00
		25	13	21.40	21.47	21.38	22.00
		25	25	21.40	21.52	21.46	22.00
		50	0	21.39	21.43	21.37	22.00
	64QAM	1	0	21.39	21.61	21.40	22.00
		1	25	21.49	21.56	21.57	22.00
		1	49	21.52	21.46	21.63	22.00
		25	0	20.36	20.46	20.37	21.00
		25	13	20.44	20.46	20.41	21.00
		25	25	20.40	20.47	20.44	21.00
		50	0	20.40	20.46	20.40	21.00
	256QAM	1	0	18.48	18.42	18.52	19.00
		1	25	18.90	18.86	18.68	19.00
		1	49	18.40	18.64	18.46	19.00
		25	0	18.46	18.42	18.50	19.00
		25	13	18.24	18.26	18.50	19.00
		25	25	18.56	18.40	18.44	19.00
		50	0	18.60	18.64	18.48	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26115/1857.5	26365/1882.5	26615/1907.5	
15MHz	QPSK	1	0	23.47	23.64	23.62	24.00

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		1	38	23.41	23.59	23.53	24.00
		1	74	23.45	23.63	23.44	24.00
		36	0	22.40	22.50	22.44	23.00
		36	18	22.42	22.48	22.43	23.00
		36	39	22.44	22.53	22.52	23.00
		75	0	22.42	22.44	22.42	23.00
	16QAM	1	0	22.63	22.62	22.75	23.00
		1	38	22.64	22.81	22.82	23.00
		1	74	22.65	22.69	22.77	23.00
		36	0	21.38	21.52	21.45	22.00
		36	18	21.47	21.50	21.45	22.00
		36	39	21.48	21.53	21.46	22.00
		75	0	21.43	21.47	21.42	22.00
	64QAM	1	0	21.76	21.87	21.70	22.00
		1	38	21.54	21.68	21.64	22.00
		1	74	21.49	21.49	21.65	22.00
		36	0	20.33	20.47	20.43	21.00
		36	18	20.43	20.46	20.42	21.00
		36	39	20.36	20.53	20.49	21.00
		75	0	20.43	20.44	20.38	21.00
	256QAM	1	0	18.56	18.46	18.62	19.00
		1	38	18.80	18.90	18.96	19.00
		1	74	18.62	18.52	18.74	19.00
		36	0	18.66	18.48	18.80	19.00
		36	18	18.60	18.36	18.62	19.00
		36	39	18.70	18.76	18.46	19.00
		75	0	18.62	18.78	18.48	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26140/1860	26365/1882.5	26590/1905	
20MHz	QPSK	1	0	23.60	23.78	23.74	24.00
		1	50	23.43	23.56	23.53	24.00
		1	99	23.51	23.52	23.53	24.00
		50	0	22.38	22.49	22.46	23.00
		50	25	22.47	22.49	22.51	23.00
		50	50	22.43	22.56	22.48	23.00
		100	0	22.42	22.49	22.52	23.00
	16QAM	1	0	22.68	22.88	22.70	23.00
		1	50	22.63	22.72	22.63	23.00
		1	99	22.76	22.80	22.66	23.00
		50	0	21.38	21.49	21.46	22.00
		50	25	21.48	21.51	21.51	22.00
		50	50	21.45	21.53	21.46	22.00
		100	0	21.41	21.46	21.50	22.00

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	64QAM	1	0	21.70	21.71	21.65	22.00
		1	50	21.55	21.72	21.48	22.00
		1	99	21.78	21.68	21.59	22.00
		50	0	20.37	20.49	20.49	21.00
		50	25	20.45	20.47	20.52	21.00
		50	50	20.44	20.54	20.47	21.00
		100	0	20.42	20.44	20.52	21.00
	256QAM	1	0	18.50	18.64	18.60	19.00
		1	50	18.84	18.70	18.96	19.00
		1	99	18.70	18.74	18.68	19.00
		50	0	18.76	18.60	18.56	19.00
		50	25	18.50	18.46	18.42	19.00
		50	50	18.44	18.72	18.54	19.00
		100	0	18.46	18.64	18.50	19.00
LTE B25							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26047/1850.7	26365/1882.5	26683/1914.3	
1.4MHz	QPSK	1	0	16.88	17.18	16.94	17.50
		1	2	17.36	16.94	16.88	17.50
		1	5	16.96	17.22	17.18	17.50
		3	0	17.08	17.02	17.28	17.50
		3	2	17.10	16.98	17.02	17.50
		3	3	17.16	16.78	17.04	17.50
		6	0	16.80	16.70	17.34	17.50
	16QAM	1	0	17.46	16.90	16.94	17.50
		1	2	17.36	17.20	17.14	17.50
		1	5	16.96	17.08	16.84	17.50
		3	0	16.74	17.12	17.26	17.50
		3	2	16.88	17.46	16.72	17.50
		3	3	17.34	17.24	17.20	17.50
		6	0	17.16	17.34	17.04	17.50
	64QAM	1	0	17.02	16.84	17.16	17.50
		1	2	17.40	17.06	17.16	17.50
		1	5	17.16	17.02	17.02	17.50
		3	0	17.38	17.08	16.90	17.50
		3	2	17.06	17.32	17.10	17.50
		3	3	17.28	16.80	17.24	17.50
		6	0	16.84	16.76	16.98	17.50
	256QAM	1	0	16.70	17.16	17.20	17.50
		1	2	17.04	16.98	17.10	17.50
		1	5	16.84	17.34	17.32	17.50
		3	0	17.08	17.00	17.00	17.50

		3	2	17.30	17.00	17.04	17.50
		3	3	17.14	16.96	17.12	17.50
		6	0	17.06	16.98	17.30	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26055/1851.5	26365/1882.5	26675/1913.5	
3MHz	QPSK	1	0	16.78	17.18	16.98	17.50
		1	7	17.22	16.84	16.92	17.50
		1	14	16.96	17.22	17.16	17.50
		8	0	17.10	16.88	17.16	17.50
		8	4	17.12	16.88	17.14	17.50
		8	7	17.08	16.76	17.04	17.50
		15	0	16.88	16.78	17.20	17.50
	16QAM	1	0	17.28	16.76	16.92	17.50
		1	7	17.22	17.14	17.04	17.50
		1	14	16.96	17.16	16.96	17.50
		8	0	16.86	17.02	17.20	17.50
		8	4	16.78	17.38	16.84	17.50
		8	7	17.18	17.08	17.02	17.50
		15	0	17.02	17.28	16.96	17.50
	64QAM	1	0	16.96	16.94	17.12	17.50
		1	7	17.32	16.92	17.00	17.50
		1	14	17.00	16.94	16.86	17.50
		8	0	17.24	16.92	16.82	17.50
		8	4	17.06	17.26	17.04	17.50
		8	7	17.16	16.88	17.20	17.50
		15	0	16.88	16.86	16.94	17.50
	256QAM	1	0	17.36	16.66	17.14	17.50
		1	7	17.10	17.12	17.18	17.50
		1	14	16.78	17.38	16.98	17.50
		8	0	17.06	17.04	17.22	17.50
		8	4	16.90	17.33	16.82	17.50
		8	7	17.20	17.04	17.20	17.50
		15	0	17.24	17.16	16.92	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26065/1852.5	26365/1882.5	26665/1912.5	
5MHz	QPSK	1	0	17.04	17.06	17.08	17.50
		1	13	16.96	17.12	17.10	17.50
		1	24	17.12	16.98	17.14	17.50
		12	0	17.04	17.06	17.12	17.50
		12	6	17.14	17.10	17.04	17.50
		12	13	17.00	17.04	16.96	17.50
		25	0	17.14	16.98	16.98	17.50
	16QAM	1	0	16.96	17.16	16.98	17.50

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		1	13	17.22	17.16	17.22	17.50
		1	24	17.14	17.14	17.00	17.50
		12	0	17.08	16.98	17.16	17.50
		12	6	17.08	17.18	17.06	17.50
		12	13	17.14	17.22	17.12	17.50
		25	0	17.18	17.14	17.18	17.50
	64QAM	1	0	17.00	17.10	17.16	17.50
		1	13	17.00	17.06	17.06	17.50
		1	24	16.96	16.96	17.10	17.50
		12	0	17.20	17.00	17.04	17.50
		12	6	16.96	17.12	17.08	17.50
		12	13	17.14	17.12	17.04	17.50
		25	0	17.06	17.04	17.04	17.50
	256QAM	1	0	16.86	16.94	16.98	17.50
		1	13	17.28	17.00	16.96	17.50
		1	24	16.94	17.08	17.04	17.50
		12	0	17.34	17.06	16.96	17.50
		12	6	16.90	17.12	16.92	17.50
		12	13	16.98	17.02	17.32	17.50
		25	0	16.94	16.94	16.98	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26090/1855	26365/1882.5	26640/1910	
10MHz	QPSK	1	0	17.12	16.88	17.00	17.50
		1	25	17.08	16.86	17.00	17.50
		1	49	16.92	17.12	16.98	17.50
		25	0	17.04	16.94	17.06	17.50
		25	13	17.02	17.08	17.10	17.50
		25	25	16.88	16.90	17.14	17.50
		50	0	16.96	16.96	17.12	17.50
	16QAM	1	0	17.14	17.12	17.06	17.50
		1	25	17.06	16.88	17.10	17.50
		1	49	16.86	16.94	17.06	17.50
		25	0	17.16	16.96	17.16	17.50
		25	13	17.04	16.90	17.02	17.50
		25	25	16.88	17.12	17.00	17.50
		50	0	17.12	17.00	16.96	17.50
	64QAM	1	0	17.08	16.98	17.10	17.50
		1	25	17.08	16.86	16.96	17.50
		1	49	17.12	17.08	17.02	17.50
		25	0	16.94	17.16	16.96	17.50
		25	13	17.02	16.90	17.04	17.50
		25	25	16.98	16.86	16.92	17.50
		50	0	17.02	16.92	17.06	17.50

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	256QAM	1	0	16.68	17.18	16.94	17.50
		1	25	17.38	17.00	16.94	17.50
		1	49	17.04	17.30	17.22	17.50
		25	0	17.18	16.86	17.18	17.50
		25	13	17.10	16.80	17.10	17.50
		25	25	17.20	16.70	16.94	17.50
		50	0	16.92	16.70	17.18	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26115/1857.5	26365/1882.5	26615/1907.5	
15MHz	QPSK	1	0	17.00	17.10	16.94	17.50
		1	38	17.22	17.04	17.00	17.50
		1	74	16.98	17.14	17.10	17.50
		36	0	17.24	17.02	17.04	17.50
		36	18	17.16	17.04	16.98	17.50
		36	39	17.02	17.00	17.12	17.50
		75	0	17.06	16.94	17.20	17.50
	16QAM	1	0	17.24	17.00	16.98	17.50
		1	38	17.08	17.10	17.20	17.50
		1	74	17.00	17.22	16.96	17.50
		36	0	17.00	16.94	17.16	17.50
		36	18	16.94	17.24	17.08	17.50
		36	39	17.24	16.98	17.20	17.50
		75	0	17.14	17.22	17.00	17.50
	64QAM	1	0	17.18	17.14	17.02	17.50
		1	38	17.22	17.16	17.10	17.50
		1	74	17.24	17.08	17.04	17.50
		36	0	17.10	16.96	17.02	17.50
		36	18	17.04	17.14	16.98	17.50
		36	39	17.22	17.12	17.24	17.50
		75	0	17.00	17.04	17.16	17.50
	256QAM	1	0	17.32	16.78	17.06	17.50
		1	38	17.26	17.30	17.06	17.50
		1	74	16.98	17.30	17.12	17.50
		36	0	16.92	17.12	17.12	17.50
		36	18	16.92	17.30	16.88	17.50
		36	39	17.14	17.10	16.92	17.50
		75	0	17.02	17.28	17.04	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26140/1860	26365/1882.5	26590/1905	
20MHz	QPSK	1	0	17.08	17.08	17.06	17.50
		1	50	16.96	17.30	17.04	17.50
		1	99	17.24	17.06	17.00	17.50
		50	0	17.28	17.26	17.26	17.50

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		50	25	17.10	17.26	16.92	17.50
		50	50	16.90	17.22	17.04	17.50
		100	0	17.24	17.20	16.92	17.50
	16QAM	1	0	17.20	16.90	17.00	17.50
		1	50	17.28	17.26	17.10	17.50
		1	99	17.14	17.24	17.24	17.50
		50	0	17.02	16.98	17.22	17.50
		50	25	17.12	16.90	17.20	17.50
		50	50	17.22	16.92	17.28	17.50
		100	0	17.22	17.10	17.20	17.50
	64QAM	1	0	17.10	17.06	17.10	17.50
		1	50	17.20	17.02	16.94	17.50
		1	99	17.20	16.96	17.10	17.50
		50	0	16.92	17.10	17.12	17.50
		50	25	17.26	17.16	17.18	17.50
		50	50	17.16	17.06	17.12	17.50
		100	0	17.24	17.12	16.88	17.50
	256QAM	1	0	16.86	17.04	17.26	17.50
		1	50	17.24	16.84	16.94	17.50
		1	99	16.98	17.04	16.90	17.50
		50	0	17.36	16.86	16.88	17.50
		50	25	17.00	17.30	17.10	17.50
		50	50	17.28	16.80	17.16	17.50
		100	0	16.96	16.88	16.96	17.50

LTE B26							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26697/814.7	26740/819	26783/823.3	
1.4MHz	QPSK	1	0	23.26	23.38	23.54	24.00
		1	2	23.39	23.39	23.23	24.00
		1	5	23.26	23.12	23.40	24.00
		3	0	23.16	23.38	23.20	24.00
		3	2	23.02	23.16	23.30	24.00
		3	3	23.04	23.26	23.20	24.00
		6	0	22.51	22.37	22.23	23.00
	16QAM	1	0	22.59	22.37	22.43	23.00
		1	2	22.37	22.77	22.67	23.00
		1	5	22.67	22.43	22.47	23.00
		3	0	22.24	22.48	22.14	23.00
		3	2	22.32	22.30	22.42	23.00
		3	3	22.29	22.03	21.89	23.00
		6	0	21.32	21.34	21.22	22.00

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	64QAM	1	0	21.36	21.62	21.76	22.00
		1	2	21.34	21.52	21.30	22.00
		1	5	21.56	21.50	21.56	22.00
		3	0	21.09	21.03	21.15	22.00
		3	2	21.01	21.31	21.39	22.00
		3	3	21.03	21.19	21.11	22.00
		6	0	20.59	20.29	20.21	21.00
	256QAM	1	0	18.52	18.30	18.00	19.00
		1	2	18.34	18.32	18.56	19.00
		1	5	18.26	18.22	18.64	19.00
		3	0	18.36	18.42	18.58	19.00
		3	2	18.44	18.74	18.66	19.00
		3	3	18.44	18.40	18.52	19.00
		6	0	18.24	18.38	18.34	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26705/815.5	26740/819	26775/822.5	
3MHz	QPSK	1	0	23.52	23.66	23.06	24.00
		1	7	23.01	23.13	23.11	24.00
		1	14	23.20	23.08	23.10	24.00
		8	0	22.56	22.32	22.32	23.00
		8	4	22.20	22.22	22.20	23.00
		8	7	22.18	22.26	22.30	23.00
		15	0	22.39	22.15	22.25	23.00
	16QAM	1	0	22.47	22.45	22.33	23.00
		1	7	22.71	22.69	22.39	23.00
		1	14	22.87	22.59	22.85	23.00
		8	0	21.18	21.36	21.38	22.00
		8	4	21.20	21.26	21.48	22.00
		8	7	20.99	20.93	21.01	22.00
		15	0	21.34	21.64	21.26	22.00
	64QAM	1	0	21.22	21.36	21.46	22.00
		1	7	21.20	20.96	21.16	22.00
		1	14	21.46	21.48	21.40	22.00
		8	0	20.19	20.59	20.35	21.00
		8	4	20.29	20.43	20.43	21.00
		8	7	20.31	20.51	19.95	21.00
		15	0	20.45	20.21	20.29	21.00
	256QAM	1	0	18.28	18.14	17.98	19.00
		1	7	18.48	18.52	18.52	19.00
		1	14	18.40	18.06	18.60	19.00
		8	0	18.14	18.44	18.64	19.00
		8	4	18.34	18.68	18.58	19.00
		8	7	18.72	18.38	18.42	19.00

		15	0	18.26	18.24	18.44	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26715/816.5	26740/819	26765/821.5	
5MHz	QPSK	1	0	23.52	23.34	23.42	24.00
		1	13	23.39	23.41	23.53	24.00
		1	24	23.30	23.24	23.20	24.00
		12	0	22.58	22.44	22.24	23.00
		12	6	22.40	22.46	22.22	23.00
		12	13	22.32	22.14	22.00	23.00
		25	0	22.33	22.37	22.51	23.00
	16QAM	1	0	22.47	22.43	22.61	23.00
		1	13	22.49	22.47	22.57	23.00
		1	24	22.43	22.53	22.71	23.00
		12	0	21.38	21.54	21.30	22.00
		12	6	21.22	21.40	21.28	22.00
		12	13	21.35	21.09	21.03	22.00
		25	0	21.26	21.34	21.26	22.00
	64QAM	1	0	21.38	21.74	21.44	22.00
		1	13	21.32	21.40	21.42	22.00
		1	24	21.58	21.22	21.30	22.00
		12	0	20.57	20.37	20.39	21.00
		12	6	20.43	20.17	20.43	21.00
		12	13	20.21	20.33	20.23	21.00
		25	0	20.43	20.39	20.53	21.00
	256QAM	1	0	18.30	18.00	18.04	19.00
		1	13	18.10	18.48	18.24	19.00
		1	24	18.20	18.06	18.38	19.00
		12	0	18.30	18.16	18.64	19.00
		12	6	18.48	18.78	18.68	19.00
		12	13	18.28	18.38	18.44	19.00
		25	0	18.18	18.54	18.62	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	26740/819	/	
10MHz	QPSK	1	0	/	23.48	/	24.00
		1	25	/	23.23	/	24.00
		1	49	/	23.20	/	24.00
		25	0	/	22.42	/	23.00
		25	13	/	22.34	/	23.00
		25	25	/	22.08	/	23.00
		50	0	/	22.31	/	23.00
	16QAM	1	0	/	22.63	/	23.00
		1	25	/	22.45	/	23.00
		1	49	/	22.49	/	23.00

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		25	0	/	21.48	/	22.00
		25	13	/	21.52	/	22.00
		25	25	/	21.15	/	22.00
		50	0	/	21.22	/	22.00
	64QAM	1	0	/	21.46	/	22.00
		1	25	/	21.28	/	22.00
		1	49	/	21.36	/	22.00
		25	0	/	20.53	/	21.00
		25	13	/	20.49	/	21.00
		25	25	/	20.33	/	21.00
		50	0	/	20.29	/	21.00
	256QAM	1	0	/	18.30	/	19.00
		1	25	/	18.50	/	19.00
		1	49	/	18.30	/	19.00
		25	0	/	18.22	/	19.00
		25	13	/	18.50	/	19.00
		25	25	/	18.54	/	19.00
		50	0	/	18.38	/	19.00
LTE B26							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26797/824.7	26915/836.5	27033/848.3	
1.4MHz	QPSK	1	0	23.37	23.52	23.15	24.00
		1	2	23.40	23.54	23.17	24.00
		1	5	23.38	23.41	23.15	24.00
		3	0	23.38	23.50	23.15	24.00
		3	2	23.39	23.46	23.14	24.00
		3	3	23.34	23.48	23.13	24.00
		6	0	22.42	22.43	22.12	23.00
	16QAM	1	0	22.67	22.77	22.54	23.00
		1	2	22.78	22.89	22.54	23.00
		1	5	22.64	22.75	22.49	23.00
		3	0	22.50	22.63	22.26	23.00
		3	2	22.41	22.62	22.24	23.00
		3	3	22.46	22.59	22.26	23.00
		6	0	21.46	21.48	21.27	22.00
	64QAM	1	0	21.52	21.65	21.37	22.00
		1	2	21.60	21.56	21.28	22.00
		1	5	21.44	21.77	21.15	22.00
		3	0	21.47	21.67	21.28	22.00
		3	2	21.42	21.56	21.22	22.00
		3	3	21.39	21.52	21.26	22.00
		6	0	20.41	20.50	20.19	21.00

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	256QAM	1	0	18.16	18.26	18.22	19.00
		1	2	18.56	18.54	18.50	19.00
		1	5	18.52	18.32	18.56	19.00
		3	0	18.38	18.66	18.50	19.00
		3	2	18.84	18.72	18.84	19.00
		3	3	18.54	18.38	18.56	19.00
		6	0	18.42	18.36	18.50	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26915/836.5	26915/836.5	27025/847.5	
3MHz	QPSK	1	0	23.54	23.57	23.25	24.00
		1	7	23.34	23.56	23.23	24.00
		1	14	23.22	23.37	23.10	24.00
		8	0	22.26	22.51	22.30	23.00
		8	4	22.37	22.47	22.24	23.00
		8	7	22.32	22.42	22.19	23.00
		15	0	22.35	22.50	22.24	23.00
	16QAM	1	0	22.49	22.88	22.45	23.00
		1	7	22.54	22.90	22.57	23.00
		1	14	22.50	22.68	22.38	23.00
		8	0	21.33	21.57	21.39	22.00
		8	4	21.39	21.54	21.34	22.00
		8	7	21.42	21.57	21.26	22.00
		15	0	21.38	21.47	21.30	22.00
	64QAM	1	0	21.40	21.75	21.34	22.00
		1	7	21.58	21.71	21.42	22.00
		1	14	21.45	21.56	21.27	22.00
		8	0	20.32	20.54	20.37	21.00
		8	4	20.42	20.54	20.35	21.00
		8	7	20.35	20.50	20.30	21.00
		15	0	20.34	20.49	20.26	21.00
	256QAM	1	0	18.16	18.06	18.44	19.00
		1	7	18.50	18.52	18.32	19.00
		1	14	18.56	18.50	18.56	19.00
		8	0	18.34	18.64	18.54	19.00
		8	4	18.84	18.86	18.70	19.00
		8	7	18.34	18.38	18.68	19.00
		15	0	18.48	18.32	18.40	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26815/826.5	26915/836.5	27015/846.5	
5MHz	QPSK	1	0	23.30	23.50	23.32	24.00
		1	13	23.34	23.58	23.31	24.00
		1	24	23.30	23.46	23.16	24.00
		12	0	22.32	22.52	22.38	23.00

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		12	6	22.40	22.51	22.30	23.00
		12	13	22.38	22.45	22.18	23.00
		25	0	22.35	22.49	22.31	23.00
	16QAM	1	0	22.52	22.84	22.53	23.00
		1	13	22.74	22.77	22.53	23.00
		1	24	22.66	22.86	22.59	23.00
		12	0	21.39	21.58	21.42	22.00
		12	6	21.44	21.57	21.38	22.00
		12	13	21.42	21.48	21.21	22.00
		25	0	21.38	21.51	21.34	22.00
	64QAM	1	0	21.41	21.70	21.52	22.00
		1	13	21.57	21.65	21.28	22.00
		1	24	21.47	21.53	21.36	22.00
		12	0	20.37	20.55	20.35	21.00
		12	6	20.37	20.52	20.33	21.00
		12	13	20.39	20.43	20.23	21.00
		25	0	20.41	20.52	20.35	21.00
	256QAM	1	0	18.08	18.06	18.20	19.00
		1	13	18.26	18.46	18.28	19.00
		1	24	18.34	18.54	18.40	19.00
		12	0	18.28	18.38	18.52	19.00
		12	6	18.68	18.54	18.64	19.00
		12	13	18.50	18.50	18.34	19.00
		25	0	18.38	18.24	18.32	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26840/829	26915/836.5	26990/844	
10MHz	QPSK	1	0	23.31	23.50	23.55	24.00
		1	25	23.37	23.55	23.38	24.00
		1	49	23.42	23.38	23.18	24.00
		25	0	22.33	22.52	22.44	23.00
		25	13	22.49	22.52	22.45	23.00
		25	25	22.41	22.47	22.29	23.00
		50	0	22.46	22.50	22.44	23.00
	16QAM	1	0	22.61	22.77	22.88	23.00
		1	25	22.67	22.78	22.58	23.00
		1	49	22.84	22.66	22.46	23.00
		25	0	21.33	21.52	21.49	22.00
		25	13	21.48	21.53	21.47	22.00
		25	25	21.48	21.49	21.32	22.00
		50	0	21.44	21.53	21.46	22.00
	64QAM	1	0	21.46	21.65	21.62	22.00
		1	25	21.55	21.82	21.69	22.00
		1	49	21.59	21.50	21.46	22.00

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		25	0	20.37	20.54	20.50	21.00
		25	13	20.49	20.55	20.44	21.00
		25	25	20.46	20.48	20.30	21.00
		50	0	20.48	20.55	20.43	21.00
	256QAM	1	0	18.28	18.26	18.30	19.00
		1	25	18.42	18.50	18.58	19.00
		1	49	18.38	18.40	18.50	19.00
		25	0	18.44	18.50	18.58	19.00
		25	13	18.56	18.56	18.80	19.00
		25	25	18.52	18.48	18.44	19.00
50	0	18.38	18.36	18.56	19.00		
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26865/831.5	26915/836.5	26965/841.5	
15MHz	QPSK	1	0	23.33	23.54	23.45	24.00
		1	38	23.54	23.62	23.25	24.00
		1	74	23.64	23.50	23.03	24.00
		36	0	22.42	22.51	22.35	23.00
		36	18	22.49	22.51	22.22	23.00
		36	39	22.55	22.45	22.08	23.00
		75	0	22.47	22.51	22.22	23.00
	16QAM	1	0	22.60	22.73	22.66	23.00
		1	38	22.74	22.82	22.49	23.00
		1	74	22.84	22.66	22.28	23.00
		36	0	21.40	21.53	21.34	22.00
		36	18	21.49	21.53	21.26	22.00
		36	39	21.59	21.50	21.08	22.00
		75	0	21.47	21.49	21.18	22.00
	64QAM	1	0	21.43	21.53	21.45	22.00
		1	38	21.70	21.85	21.39	22.00
		1	74	21.74	21.61	21.19	22.00
		36	0	20.41	20.49	20.32	21.00
		36	18	20.49	20.51	20.26	21.00
		36	39	20.54	20.43	20.07	21.00
		75	0	20.49	20.49	20.24	21.00
	256QAM	1	0	18.06	18.40	18.04	19.00
		1	38	18.32	18.68	18.36	19.00
		1	74	18.26	18.40	18.44	19.00
		36	0	18.50	18.58	18.30	19.00
		36	18	18.80	18.48	18.56	19.00
		36	39	18.62	18.20	18.50	19.00
		75	0	18.30	18.28	18.54	19.00
LTE B26							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26697/814.7	26740/819	26783/823.3	
1.4MHz	QPSK	1	0	18.65	18.81	18.77	19.50
		1	2	18.65	18.53	18.61	19.50
		1	5	18.67	18.57	18.59	19.50
		3	0	18.59	18.59	18.75	19.50
		3	2	19.07	18.83	19.01	19.50
		3	3	18.81	18.81	18.91	19.50
		6	0	18.87	18.85	18.73	19.50
	16QAM	1	0	18.95	19.07	18.89	19.50
		1	2	18.89	18.77	18.93	19.50
		1	5	19.11	19.01	19.11	19.50
		3	0	18.93	18.77	18.69	19.50
		3	2	18.71	18.65	18.65	19.50
		3	3	18.49	18.61	18.71	19.50
		6	0	19.01	18.99	18.93	19.50
	64QAM	1	0	18.91	18.97	18.77	19.50
		1	2	19.03	18.89	18.79	19.50
		1	5	18.63	18.65	18.65	19.50
		3	0	18.47	18.49	18.47	19.50
		3	2	18.81	18.77	18.67	19.50
		3	3	19.01	19.19	19.09	19.50
		6	0	18.67	18.83	18.83	19.50
	256QAM	1	0	18.63	18.65	18.63	19.00
		1	2	18.47	18.49	18.43	19.00
		1	5	18.49	18.33	18.61	19.00
		3	0	18.61	18.57	18.43	19.00
		3	2	18.75	18.80	18.87	19.00
		3	3	18.85	18.75	18.79	19.00
		6	0	18.79	18.73	18.67	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26705/815.5	26740/819	26775/822.5	
3MHz	QPSK	1	0	18.49	18.91	18.95	19.50
		1	7	18.61	18.53	18.89	19.50
		1	14	18.33	18.59	18.65	19.50
		8	0	18.41	18.33	18.73	19.50
		8	4	19.09	18.81	18.91	19.50
		8	7	18.87	18.93	19.11	19.50
		15	0	18.75	18.63	18.83	19.50
	16QAM	1	0	18.87	18.93	19.01	19.50
		1	7	18.83	18.83	18.79	19.50
		1	14	19.13	18.95	18.95	19.50
		8	0	18.63	18.79	18.75	19.50

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		8	4	18.35	18.79	18.67	19.50
		8	7	18.49	18.61	18.69	19.50
		15	0	18.91	18.93	19.01	19.50
	64QAM	1	0	18.55	18.75	18.77	19.50
		1	7	18.83	19.09	19.11	19.50
		1	14	18.67	18.63	18.81	19.50
		8	0	18.63	18.41	18.39	19.50
		8	4	18.61	19.03	18.87	19.50
		8	7	19.21	18.95	19.15	19.50
		15	0	18.89	18.71	18.63	19.50
	256QAM	1	0	18.85	18.71	18.73	19.00
		1	7	18.66	18.63	18.69	19.00
		1	14	18.95	18.59	18.93	19.00
		8	0	18.87	18.87	18.87	19.00
		8	4	18.45	18.41	18.41	19.00
		8	7	18.51	18.41	18.51	19.00
		15	0	18.70	18.75	18.83	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26715/816.5	26740/819	26765/821.5	
5MHz	QPSK	1	0	18.83	18.55	18.61	19.50
		1	13	18.55	18.51	18.53	19.50
		1	24	18.57	18.47	18.41	19.50
		12	0	18.45	18.81	18.81	19.50
		12	6	19.01	19.15	19.07	19.50
		12	13	19.03	19.05	18.73	19.50
		25	0	18.67	18.95	18.71	19.50
	16QAM	1	0	18.95	19.01	18.73	19.50
		1	13	18.99	19.01	18.77	19.50
		1	24	18.91	19.05	18.99	19.50
		12	0	18.79	18.87	18.77	19.50
		12	6	18.65	18.55	18.47	19.50
		12	13	18.67	18.75	18.41	19.50
		25	0	18.83	18.79	19.05	19.50
	64QAM	1	0	18.83	18.73	18.97	19.50
		1	13	18.69	18.83	19.01	19.50
		1	24	18.79	18.59	18.81	19.50
		12	0	18.33	18.37	18.53	19.50
		12	6	18.67	18.89	18.75	19.50
		12	13	18.91	19.05	18.93	19.50
		25	0	18.55	18.85	18.63	19.50
	256QAM	1	0	18.77	18.77	18.93	19.00
		1	13	18.66	18.75	18.91	19.00
		1	24	18.75	18.75	18.59	19.00

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		12	0	18.33	18.29	18.39	19.00
		12	6	18.69	18.67	18.75	19.00
		12	13	18.85	18.87	18.91	19.00
		25	0	18.51	18.63	18.47	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	26740/819	/	
10MHz	QPSK	1	0	/	18.89	/	19.50
		1	25	/	18.75	/	19.50
		1	49	/	18.53	/	19.50
		25	0	/	18.77	/	19.50
		25	13	/	18.99	/	19.50
		25	25	/	18.95	/	19.50
		50	0	/	18.89	/	19.50
	16QAM	1	0	/	18.85	/	19.50
		1	25	/	18.83	/	19.50
		1	49	/	19.23	/	19.50
		25	0	/	18.79	/	19.50
		25	13	/	18.47	/	19.50
		25	25	/	18.53	/	19.50
		50	0	/	19.11	/	19.50
	64QAM	1	0	/	18.87	/	19.50
		1	25	/	18.81	/	19.50
		1	49	/	18.63	/	19.50
		25	0	/	18.31	/	19.50
		25	13	/	18.71	/	19.50
		25	25	/	19.11	/	19.50
		50	0	/	18.55	/	19.50
	256QAM	1	0	/	18.71	/	19.00
		1	25	/	18.65	/	19.00
		1	49	/	18.61	/	19.00
		25	0	/	18.75	/	19.00
		25	13	/	18.63	/	19.00
		25	25	/	18.58	/	19.00
		50	0	/	18.79	/	19.00
LTE B26							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				26797/824.7	26915/836.5	27033/848.3	
1.4MHz	QPSK	1	0	18.51	18.75	18.97	19.50
		1	2	18.73	18.65	18.85	19.50
		1	5	18.81	18.77	18.95	19.50
		3	0	18.63	18.93	18.81	19.50
		3	2	18.87	18.69	18.69	19.50

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		3	3	18.83	18.85	18.85	19.50
		6	0	18.67	18.85	18.89	19.50
	16QAM	1	0	19.03	18.39	18.71	19.50
		1	2	18.91	18.79	18.85	19.50
		1	5	18.97	18.67	18.95	19.50
		3	0	18.75	18.83	18.57	19.50
		3	2	18.75	18.81	18.87	19.50
		3	3	18.65	18.79	18.59	19.50
		6	0	18.95	18.73	18.89	19.50
	64QAM	1	0	18.69	18.93	19.11	19.50
		1	2	19.11	18.47	18.55	19.50
		1	5	18.67	18.51	18.75	19.50
		3	0	18.51	18.83	18.89	19.50
		3	2	18.67	19.07	18.69	19.50
		3	3	18.89	18.89	18.73	19.50
		6	0	18.77	18.51	18.97	19.50
	256QAM	1	0	18.28	18.48	18.34	19.00
		1	2	18.80	18.46	18.56	19.00
		1	5	18.44	18.38	18.42	19.00
		3	0	18.68	18.94	18.48	19.00
		3	2	18.48	18.86	18.60	19.00
		3	3	18.38	18.46	18.14	19.00
		6	0	18.74	18.30	18.76	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26915/836.5	26915/836.5	27025/847.5	
3MHz	QPSK	1	0	18.53	19.03	18.49	19.50
		1	7	18.83	18.43	19.23	19.50
		1	14	18.37	18.45	18.95	19.50
		8	0	18.47	18.81	18.73	19.50
		8	4	18.85	18.55	18.45	19.50
		8	7	19.03	18.89	18.99	19.50
		15	0	18.65	18.93	18.53	19.50
	16QAM	1	0	18.75	18.31	18.81	19.50
		1	7	18.81	18.61	18.75	19.50
		1	14	18.63	18.65	19.01	19.50
		8	0	18.37	18.55	18.39	19.50
		8	4	18.59	18.73	18.83	19.50
		8	7	18.43	18.75	18.65	19.50
		15	0	18.75	18.83	18.65	19.50
	64QAM	1	0	18.69	18.71	19.05	19.50
		1	7	18.79	18.45	18.45	19.50
		1	14	18.41	18.53	18.41	19.50
		8	0	18.59	18.55	18.79	19.50

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		8	4	18.57	18.91	18.41	19.50
		8	7	18.97	18.89	18.95	19.50
		15	0	18.53	18.39	18.91	19.50
	256QAM	1	0	18.24	18.16	18.24	19.00
		1	7	18.54	18.34	18.52	19.00
		1	14	18.60	18.30	18.60	19.00
		8	0	18.62	18.74	18.72	19.00
		8	4	18.50	18.56	18.48	19.00
		8	7	18.20	18.38	18.38	19.00
		15	0	18.54	18.28	18.38	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26815/826.5	26915/836.5	27015/846.5	
5MHz	QPSK	1	0	18.45	18.89	18.91	19.50
		1	13	18.73	18.89	19.03	19.50
		1	24	18.87	18.63	18.89	19.50
		12	0	18.75	19.23	18.97	19.50
		12	6	18.83	18.67	18.71	19.50
		12	13	18.77	19.15	18.83	19.50
		25	0	18.47	19.01	18.71	19.50
	16QAM	1	0	18.83	18.47	18.55	19.50
		1	13	18.77	18.69	18.99	19.50
		1	24	18.75	18.79	19.11	19.50
		12	0	18.47	18.67	18.55	19.50
		12	6	18.91	18.49	18.53	19.50
		12	13	18.53	18.65	18.75	19.50
		25	0	18.97	18.51	18.91	19.50
	64QAM	1	0	18.85	18.83	19.05	19.50
		1	13	19.05	18.17	18.37	19.50
		1	24	18.67	18.69	18.69	19.50
		12	0	18.47	18.75	18.79	19.50
		12	6	18.61	19.05	18.81	19.50
		12	13	19.01	19.21	18.81	19.50
		25	0	18.75	18.51	19.01	19.50
	256QAM	1	0	18.24	18.26	18.46	19.00
		1	13	18.68	18.48	18.70	19.00
		1	24	18.54	18.32	18.40	19.00
		12	0	18.62	18.78	18.58	19.00
		12	6	18.46	18.54	18.66	19.00
		12	13	18.24	18.52	18.50	19.00
		25	0	18.62	18.50	18.50	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26840/829	26915/836.5	26990/844	
10MHz	QPSK	1	0	18.73	18.91	18.89	19.50

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		1	25	18.63	18.69	19.07	19.50
		1	49	18.53	18.77	18.99	19.50
		25	0	18.61	18.91	19.03	19.50
		25	13	18.93	18.57	18.85	19.50
		25	25	18.85	19.05	18.81	19.50
		50	0	18.73	18.91	18.91	19.50
	16QAM	1	0	18.91	18.63	18.61	19.50
		1	25	18.83	18.53	18.81	19.50
		1	49	19.09	18.75	19.05	19.50
		25	0	18.77	18.65	18.61	19.50
		25	13	18.59	18.67	18.65	19.50
		25	25	18.59	18.61	18.63	19.50
		50	0	18.93	18.77	18.71	19.50
	64QAM	1	0	18.85	18.83	19.05	19.50
		1	25	18.87	18.45	18.47	19.50
		1	49	18.71	18.69	18.79	19.50
		25	0	18.43	18.75	18.69	19.50
		25	13	18.69	18.89	18.59	19.50
		25	25	19.05	19.09	18.59	19.50
		50	0	18.67	18.49	19.07	19.50
	256QAM	1	0	18.06	18.16	18.32	19.00
		1	25	18.62	18.62	18.68	19.00
		1	49	18.44	18.44	18.66	19.00
		25	0	18.58	18.62	18.50	19.00
		25	13	18.56	18.58	18.70	19.00
		25	25	18.54	18.54	18.54	19.00
		50	0	18.60	18.60	18.56	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				26865/831.5	26915/836.5	26965/841.5	
15MHz	QPSK	1	0	18.63	18.87	18.90	19.50
		1	38	18.71	18.75	18.75	19.50
		1	74	18.67	18.71	18.73	19.50
		36	0	18.63	19.01	18.87	19.50
		36	18	18.69	18.55	18.55	19.50
		36	39	18.83	18.97	18.95	19.50
		75	0	18.63	18.65	18.71	19.50
	16QAM	1	0	18.83	18.25	18.67	19.50
		1	38	18.77	18.55	18.65	19.50
		1	74	18.77	18.65	18.89	19.50
		36	0	18.69	18.53	18.47	19.50
		36	18	18.51	18.55	18.59	19.50
		36	39	18.43	18.75	18.57	19.50
		75	0	18.91	18.71	18.53	19.50

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	64QAM	1	0	18.65	18.77	18.85	19.50
		1	38	18.85	18.33	18.47	19.50
		1	74	18.47	18.41	18.57	19.50
		36	0	18.37	18.49	18.83	19.50
		36	18	18.57	19.07	18.57	19.50
		36	39	18.85	19.05	18.65	19.50
		75	0	18.73	18.57	18.93	19.50
	256QAM	1	0	18.28	18.24	18.50	19.00
		1	38	18.56	18.64	18.72	19.00
		1	74	18.66	18.38	18.42	19.00
		36	0	18.66	18.88	18.56	19.00
		36	18	18.54	18.62	18.58	19.00
		36	39	18.48	18.40	18.36	19.00
		75	0	18.74	18.44	18.62	19.00

LTE B30							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				27685/2307.5	27710/2310	27735/2312.5	
5MHz	QPSK	1	0	22.21	22.28	22.50	23.00
		1	13	22.35	22.47	22.61	23.00
		1	24	22.41	22.46	22.55	23.00
		12	0	21.24	21.37	21.50	22.00
		12	6	21.35	21.54	21.62	22.00
		12	13	21.38	21.50	21.61	22.00
		25	0	21.36	21.42	21.53	22.00
	16QAM	1	0	21.50	21.54	21.94	22.00
		1	13	21.67	21.79	21.81	22.00
		1	24	21.74	21.71	21.87	22.00
		12	0	20.28	20.41	20.49	21.00
		12	6	20.41	20.55	20.61	21.00
		12	13	20.46	20.57	20.64	21.00
		25	0	20.37	20.41	20.48	21.00
	64QAM	1	0	20.43	20.37	20.70	21.00
		1	13	20.46	20.64	20.70	21.00
		1	24	20.62	20.61	20.69	21.00
		12	0	19.23	19.40	19.53	20.00
		12	6	19.32	19.53	19.68	20.00
		12	13	19.39	19.55	19.64	20.00
		25	0	19.36	19.45	19.53	20.00
	256QAM	1	0	17.33	17.25	17.45	18.00
		1	13	17.21	17.47	17.29	18.00

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		1	24	17.37	17.21	17.17	18.00
		12	0	17.53	17.47	17.31	18.00
		12	6	17.17	17.47	17.45	18.00
		12	13	17.39	17.65	17.49	18.00
		25	0	17.25	17.43	17.27	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	27710/2310	/	
10MHz	QPSK	1	0	/	22.19	/	23.00
		1	25	/	22.49	/	23.00
		1	49	/	22.55	/	23.00
		25	0	/	21.35	/	22.00
		25	13	/	21.49	/	22.00
		25	25	/	21.58	/	22.00
		50	0	/	21.43	/	22.00
	16QAM	1	0	/	21.66	/	22.00
		1	25	/	21.72	/	22.00
		1	49	/	21.77	/	22.00
		25	0	/	20.34	/	21.00
		25	13	/	20.52	/	21.00
		25	25	/	20.60	/	21.00
		50	0	/	20.46	/	21.00
	64QAM	1	0	/	20.46	/	21.00
		1	25	/	20.55	/	21.00
		1	49	/	20.84	/	21.00
		25	0	/	19.37	/	20.00
		25	13	/	19.51	/	20.00
		25	25	/	19.58	/	20.00
		50	0	/	19.50	/	20.00
	256QAM	1	0	/	17.53	/	18.00
		1	25	/	17.57	/	18.00
		1	49	/	17.23	/	18.00
		25	0	/	17.19	/	18.00
		25	13	/	17.47	/	18.00
		25	25	/	17.51	/	18.00
		50	0	/	17.43	/	18.00
LTE B30							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				27685/2307.5	27710/2310	27735/2312.5	
5MHz	QPSK	1	0	14.04	13.88	14.00	14.50
		1	13	14.10	14.04	14.00	14.50
		1	24	13.96	13.86	14.10	14.50
		12	0	14.02	14.06	14.00	14.50

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		12	6	13.86	14.04	14.08	14.50
		12	13	13.82	13.90	13.84	14.50
		25	0	13.98	13.82	13.96	14.50
	16QAM	1	0	13.82	13.80	13.86	14.50
		1	13	14.10	13.98	14.06	14.50
		1	24	13.88	13.80	13.86	14.50
		12	0	13.80	14.06	14.02	14.50
		12	6	14.08	13.98	13.86	14.50
		12	13	13.92	13.88	14.00	14.50
		25	0	13.94	13.86	13.86	14.50
	64QAM	1	0	13.94	13.98	14.04	14.50
		1	13	14.10	14.08	14.02	14.50
		1	24	13.84	13.86	14.00	14.50
		12	0	13.86	13.80	13.94	14.50
		12	6	13.92	14.00	13.82	14.50
		12	13	13.88	13.96	14.06	14.50
		25	0	13.94	14.02	14.00	14.50
	256QAM	1	0	14.14	13.90	13.88	14.50
		1	13	14.04	13.98	13.98	14.50
		1	24	13.76	13.76	13.94	14.50
		12	0	13.96	13.98	13.86	14.50
		12	6	14.10	13.78	14.14	14.50
		12	13	14.00	14.10	14.06	14.50
		25	0	13.80	13.84	14.10	14.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	27710/2310	/	
10MHz	QPSK	1	0	/	13.76	/	14.50
		1	25	/	13.84	/	14.50
		1	49	/	14.02	/	14.50
		25	0	/	13.82	/	14.50
		25	13	/	13.72	/	14.50
		25	25	/	14.22	/	14.50
		50	0	/	14.10	/	14.50
	16QAM	1	0	/	13.88	/	14.50
		1	25	/	13.74	/	14.50
		1	49	/	13.86	/	14.50
		25	0	/	14.02	/	14.50
		25	13	/	13.94	/	14.50
		25	25	/	13.96	/	14.50
		50	0	/	13.76	/	14.50
	64QAM	1	0	/	13.82	/	14.50
		1	25	/	13.94	/	14.50
		1	49	/	13.94	/	14.50

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		25	0	/	13.88	/	14.50
		25	13	/	13.90	/	14.50
		25	25	/	13.98	/	14.50
		50	0	/	14.00	/	14.50
	256QAM	1	0	/	13.86	/	14.50
		1	25	/	13.96	/	14.50
		1	49	/	13.90	/	14.50
		25	0	/	13.98	/	14.50
		25	13	/	14.00	/	14.50
		25	25	/	13.72	/	14.50
		50	0	/	13.98	/	14.50
	LTE B38						
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				37775/2572.5	38000/2595	38225/2617.5	
5MHz	QPSK	1	0	23.01	23.63	23.13	24.00
		1	13	23.09	23.74	23.18	24.00
		1	24	23.07	23.63	23.06	24.00
		12	0	22.02	22.69	22.26	23.00
		12	6	22.10	22.68	22.23	23.00
		12	13	22.10	22.68	22.11	23.00
		25	0	22.10	22.68	22.21	23.00
	16QAM	1	0	22.09	22.68	22.14	23.00
		1	13	22.08	22.73	22.10	23.00
		1	24	22.09	22.61	22.17	23.00
		12	0	21.00	21.66	21.22	22.00
		12	6	21.11	21.66	21.22	22.00
		12	13	21.10	21.66	21.13	22.00
		25	0	21.12	21.70	21.23	22.00
	64QAM	1	0	20.85	21.60	21.17	22.00
		1	13	21.15	21.71	21.13	22.00
		1	24	21.06	21.57	21.01	22.00
		12	0	20.03	20.65	20.23	21.00
		12	6	20.12	20.69	20.22	21.00
		12	13	20.11	20.68	20.09	21.00
		25	0	20.13	20.72	20.23	21.00
	256QAM	1	0	18.38	18.48	18.48	19.00
		1	13	18.16	18.28	18.04	19.00
		1	24	18.20	18.08	18.32	19.00
		12	0	18.16	18.20	18.16	19.00
		12	6	18.12	18.34	18.24	19.00
		12	13	18.20	18.12	18.16	19.00
		25	0	18.28	18.08	18.24	19.00

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37800/2575	38000/2595	38200/2615	
10MHz	QPSK	1	0	22.98	23.49	23.19	24.00
		1	25	23.13	23.65	23.14	24.00
		1	49	23.18	23.52	23.07	24.00
		25	0	22.14	22.72	22.36	23.00
		25	13	22.26	22.75	22.35	23.00
		25	25	22.26	22.69	22.22	23.00
		50	0	22.26	22.72	22.35	23.00
	16QAM	1	0	22.07	22.57	22.29	23.00
		1	25	22.25	22.74	22.17	23.00
		1	49	22.35	22.73	22.05	23.00
		25	0	21.12	21.73	21.35	22.00
		25	13	21.27	21.74	21.35	22.00
		25	25	21.23	21.68	21.18	22.00
		50	0	21.24	21.72	21.33	22.00
	64QAM	1	0	21.03	21.46	21.21	22.00
		1	25	21.17	21.56	21.18	22.00
		1	49	21.20	21.59	21.09	22.00
		25	0	20.16	20.75	20.39	21.00
		25	13	20.28	20.76	20.39	21.00
		25	25	20.28	20.74	20.25	21.00
		50	0	20.28	20.76	20.37	21.00
	256QAM	1	0	18.26	18.32	18.22	19.00
		1	25	18.20	17.92	18.08	19.00
		1	49	18.16	18.00	18.02	19.00
		25	0	18.18	18.24	18.06	19.00
		25	13	18.32	18.20	18.20	19.00
		25	25	18.14	18.18	18.10	19.00
		50	0	18.26	18.08	18.22	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37825/2577.5	38000/2595	38175/2612.5	
15MHz	QPSK	1	0	23.04	23.47	23.40	24.00
		1	38	23.23	23.66	23.26	24.00
		1	74	23.38	23.53	23.10	24.00
		36	0	22.15	22.69	22.42	23.00
		36	18	22.34	22.78	22.38	23.00
		36	39	22.43	22.75	22.25	23.00
		75	0	22.31	22.73	22.35	23.00
	16QAM	1	0	22.12	22.50	22.51	23.00
		1	38	22.32	22.84	22.37	23.00
		1	74	22.65	22.58	22.18	23.00
		36	0	21.18	21.69	21.39	22.00

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		36	18	21.36	21.77	21.36	22.00
		36	39	21.42	21.74	21.23	22.00
		75	0	21.35	21.73	21.35	22.00
		1	0	20.94	21.68	21.48	22.00
		1	38	21.41	21.73	21.34	22.00
		1	74	21.31	21.56	21.07	22.00
		36	0	20.15	20.67	20.41	21.00
		36	18	20.35	20.82	20.41	21.00
		36	39	20.48	20.76	20.27	21.00
		75	0	20.32	20.76	20.37	21.00
	64QAM	1	0	18.34	18.26	18.46	19.00
		1	38	18.08	18.16	18.12	19.00
		1	74	18.22	18.16	18.32	19.00
		36	0	18.44	18.18	18.32	19.00
		36	18	18.28	18.44	18.26	19.00
		36	39	18.24	18.16	18.16	19.00
		75	0	18.14	18.10	18.40	19.00
	256QAM	1	0	18.34	18.26	18.46	19.00
		1	38	18.08	18.16	18.12	19.00
		1	74	18.22	18.16	18.32	19.00
		36	0	18.44	18.18	18.32	19.00
		36	18	18.28	18.44	18.26	19.00
		36	39	18.24	18.16	18.16	19.00
		75	0	18.14	18.10	18.40	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37850/2580	38000/2595	38150/2610	
20MHz	QPSK	1	0	23.01	23.44	23.48	24.00
		1	50	23.30	23.72	23.28	24.00
		1	99	23.54	23.51	23.17	24.00
		50	0	22.24	22.69	22.55	23.00
		50	25	22.43	22.78	22.43	23.00
		50	50	22.52	22.75	22.30	23.00
		100	0	22.42	22.67	22.40	23.00
	16QAM	1	0	21.99	22.48	22.40	23.00
		1	50	22.46	22.88	22.35	23.00
		1	99	22.67	22.64	22.18	23.00
		50	0	21.26	21.71	21.57	22.00
		50	25	21.42	21.78	21.48	22.00
		50	50	21.51	21.78	21.34	22.00
		100	0	21.43	21.66	21.40	22.00
	64QAM	1	0	21.17	21.46	21.44	22.00
		1	50	21.32	21.85	21.37	22.00
		1	99	21.60	21.48	21.23	22.00
		50	0	20.28	20.73	20.57	21.00
		50	25	20.45	20.79	20.48	21.00
		50	50	20.52	20.76	20.31	21.00
		100	0	20.38	20.65	20.39	21.00
	256QAM	1	0	18.50	18.36	18.48	19.00
		1	50	18.12	18.02	18.04	19.00
		1	99	18.06	18.34	18.28	19.00

		50	0	18.26	18.40	18.38	19.00
		50	25	18.24	18.26	18.26	19.00
		50	50	18.20	18.30	18.20	19.00
		100	0	18.16	18.16	18.26	19.00
LTE B38							
Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				37775/2572.5	38000/2595	38225/2617.5	
5MHz	QPSK	1	0	18.03	18.03	18.15	18.50
		1	13	18.01	18.25	18.25	18.50
		1	24	18.23	18.07	18.01	18.50
		12	0	18.09	18.15	18.11	18.50
		12	6	18.17	18.01	18.17	18.50
		12	13	18.25	17.99	18.21	18.50
		25	0	18.17	18.01	18.01	18.50
	16QAM	1	0	18.25	18.03	18.25	18.50
		1	13	18.09	18.03	18.09	18.50
		1	24	18.23	18.13	18.07	18.50
		12	0	18.23	18.05	18.03	18.50
		12	6	18.09	18.03	17.99	18.50
		12	13	18.01	18.21	18.07	18.50
		25	0	18.03	18.01	18.01	18.50
	64QAM	1	0	18.13	18.15	18.03	18.50
		1	13	18.09	18.21	18.17	18.50
		1	24	18.15	18.01	18.23	18.50
		12	0	18.15	18.13	18.07	18.50
		12	6	18.07	18.25	18.05	18.50
		12	13	18.19	18.15	18.07	18.50
		25	0	18.19	18.21	18.07	18.50
	256QAM	1	0	17.81	17.95	18.03	18.50
		1	13	18.33	17.99	18.23	18.50
		1	24	18.03	18.07	17.99	18.50
		12	0	18.21	18.37	18.27	18.50
		12	6	17.97	18.13	18.07	18.50
		12	13	18.37	17.87	18.01	18.50
		25	0	17.97	18.15	18.09	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37800/2575	38000/2595	38200/2615	
10MHz	QPSK	1	0	17.91	18.09	18.17	18.50
		1	25	18.01	17.93	18.17	18.50
		1	49	17.91	18.13	17.95	18.50
		25	0	17.99	17.99	18.11	18.50
		25	13	18.15	18.09	17.93	18.50

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		25	25	17.91	18.15	18.13	18.50
		50	0	18.15	17.95	17.97	18.50
	16QAM	1	0	18.05	17.95	18.01	18.50
		1	25	17.99	18.13	18.07	18.50
		1	49	18.09	18.15	18.11	18.50
		25	0	18.17	17.89	18.05	18.50
		25	13	18.11	18.03	18.11	18.50
		25	25	17.97	18.05	17.97	18.50
		50	0	18.13	18.19	18.19	18.50
	64QAM	1	0	18.19	18.19	18.09	18.50
		1	25	18.11	18.01	18.19	18.50
		1	49	17.97	18.19	18.19	18.50
		25	0	17.91	18.17	18.07	18.50
		25	13	17.93	17.99	17.97	18.50
		25	25	17.89	17.91	17.97	18.50
		50	0	18.15	17.95	18.11	18.50
	256QAM	1	0	18.17	17.85	18.01	18.50
		1	25	17.93	18.15	18.17	18.50
		1	49	17.97	18.15	18.03	18.50
		25	0	18.27	17.87	18.11	18.50
		25	13	18.03	17.81	18.11	18.50
		25	25	17.79	18.05	18.35	18.50
		50	0	18.05	18.01	17.99	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37825/2577.5	38000/2595	38175/2612.5	
15MHz	QPSK	1	0	17.99	18.09	18.19	18.50
		1	38	18.19	18.03	18.31	18.50
		1	74	18.09	18.15	18.09	18.50
		36	0	18.31	17.93	18.03	18.50
		36	18	17.93	18.07	18.05	18.50
		36	39	18.09	18.23	18.21	18.50
		75	0	18.19	18.15	18.11	18.50
	16QAM	1	0	17.91	18.29	18.31	18.50
		1	38	18.11	17.95	17.91	18.50
		1	74	18.27	18.05	17.97	18.50
		36	0	18.11	17.99	18.29	18.50
		36	18	18.15	18.01	18.13	18.50
		36	39	18.17	18.03	18.17	18.50
		75	0	18.19	17.95	18.23	18.50
	64QAM	1	0	17.93	18.05	18.25	18.50
		1	38	18.19	17.97	17.91	18.50
		1	74	18.01	18.11	18.09	18.50
		36	0	18.29	18.23	18.11	18.50

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		36	18	18.01	17.97	18.25	18.50
		36	39	18.03	17.93	18.09	18.50
		75	0	17.91	18.21	18.23	18.50
	256QAM	1	0	17.97	18.05	18.09	18.50
		1	38	17.95	18.25	17.93	18.50
		1	74	17.95	17.91	17.89	18.50
		36	0	18.01	18.09	17.83	18.50
		36	18	18.01	18.35	18.27	18.50
		36	39	18.07	18.05	18.07	18.50
		75	0	18.23	18.29	18.03	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				37850/2580	38000/2595	38150/2610	
20MHz	QPSK	1	0	18.03	18.03	18.09	18.50
		1	50	18.27	18.01	18.21	18.50
		1	99	17.97	18.09	18.07	18.50
		50	0	18.05	18.23	18.11	18.50
		50	25	18.03	18.01	18.03	18.50
		50	50	18.25	18.05	18.19	18.50
		100	0	18.03	18.13	18.21	18.50
	16QAM	1	0	18.15	17.99	18.01	18.50
		1	50	18.05	18.25	18.11	18.50
		1	99	18.19	18.17	18.21	18.50
		50	0	18.11	18.07	18.17	18.50
		50	25	18.05	17.97	18.23	18.50
		50	50	18.01	18.23	18.19	18.50
		100	0	18.27	18.17	18.13	18.50
	64QAM	1	0	18.17	18.27	18.27	18.50
		1	50	18.09	18.21	17.99	18.50
		1	99	18.13	18.07	18.01	18.50
		50	0	18.19	18.27	17.97	18.50
		50	25	18.01	18.23	18.17	18.50
		50	50	18.15	18.15	18.05	18.50
		100	0	18.11	18.27	18.03	18.50
	256QAM	1	0	17.99	17.95	18.01	18.50
		1	50	17.99	18.35	17.99	18.50
		1	99	17.83	17.97	18.05	18.50
		50	0	18.19	18.13	17.91	18.50
		50	25	18.15	18.37	18.39	18.50
		50	50	18.03	18.07	18.19	18.50
		100	0	18.31	18.23	18.13	18.50
LTE B40							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			

		allocation		38725/2307.5	38750/2310.0	38775/2312.5	
5MHz	QPSK	1	0	23.29	23.31	23.29	24.00
		1	13	23.26	23.30	23.33	24.00
		1	24	23.25	23.22	23.23	24.00
		12	0	22.46	22.37	22.36	23.00
		12	6	22.33	22.34	22.36	23.00
		12	13	22.32	22.25	22.33	23.00
		25	0	22.32	22.22	22.33	23.00
	16QAM	1	0	22.32	22.22	22.29	23.00
		1	13	22.22	22.22	22.24	23.00
		1	24	22.31	22.24	22.31	23.00
		12	0	21.34	21.40	21.43	22.00
		12	6	21.34	21.35	21.32	22.00
		12	13	21.32	21.24	21.34	22.00
		25	0	21.34	21.26	21.30	22.00
	64QAM	1	0	21.22	21.26	21.28	22.00
		1	13	21.17	21.19	21.31	22.00
		1	24	21.13	21.17	21.22	22.00
		12	0	20.35	20.33	20.33	21.00
		12	6	20.30	20.34	20.33	21.00
		12	13	20.30	20.26	20.32	21.00
		25	0	20.34	20.30	20.40	21.00
	256QAM	1	0	18.35	18.21	18.15	19.00
		1	13	18.23	18.29	18.01	19.00
		1	24	18.45	18.63	18.31	19.00
		12	0	18.27	18.23	18.51	19.00
		12	6	18.41	18.29	18.21	19.00
		12	13	18.27	18.41	18.19	19.00
		25	0	18.11	18.21	18.21	19.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
10MHz	QPSK	1	0	/	23.23	/	24.00
		1	25	/	23.23	/	24.00
		1	49	/	23.14	/	24.00
		25	0	/	22.40	/	23.00
		25	13	/	22.33	/	23.00
		25	25	/	22.23	/	23.00
		50	0	/	22.32	/	23.00
	16QAM	1	0	/	22.31	/	23.00
		1	25	/	22.24	/	23.00
		1	49	/	22.31	/	23.00
		25	0	/	21.41	/	22.00
		25	13	/	21.34	/	22.00

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		25	25	/	21.22	/	22.00
		50	0	/	21.27	/	22.00
	64QAM	1	0	/	21.29	/	22.00
		1	25	/	21.14	/	22.00
		1	49	/	21.01	/	22.00
		25	0	/	20.45	/	21.00
		25	13	/	20.35	/	21.00
		25	25	/	20.30	/	21.00
		50	0	/	20.32	/	21.00
		256QAM	1	0	/	18.25	/
	1		25	/	18.15	/	19.00
	1		49	/	18.51	/	19.00
	25		0	/	18.37	/	19.00
	25		13	/	18.37	/	19.00
	25		25	/	18.33	/	19.00
	50		0	/	18.45	/	19.00
	LTE B40						
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				39175/2352.5	39200/2355.0	39225/2357.5	
5MHz	QPSK	1	0	23.22	23.24	23.23	24.00
		1	13	23.20	23.30	23.30	24.00
		1	24	23.20	23.23	23.26	24.00
		12	0	22.23	22.28	22.26	23.00
		12	6	22.31	22.33	22.25	23.00
		12	13	22.26	22.29	22.36	23.00
		25	0	22.19	22.23	22.24	23.00
	16QAM	1	0	22.18	22.31	22.23	23.00
		1	13	22.31	22.33	22.22	23.00
		1	24	22.19	22.22	22.26	23.00
		12	0	21.23	21.23	21.27	22.00
		12	6	21.33	21.32	21.25	22.00
		12	13	21.31	21.29	21.31	22.00
		25	0	21.19	21.23	21.26	22.00
	64QAM	1	0	21.18	21.19	21.20	22.00
		1	13	21.07	21.17	21.41	22.00
		1	24	21.16	21.26	21.27	22.00
		12	0	20.21	20.21	20.26	21.00
		12	6	20.28	20.26	20.24	21.00
		12	13	20.24	20.27	20.28	21.00
		25	0	20.21	20.28	20.30	21.00
	256QAM	1	0	18.09	18.09	18.21	19.00
		1	13	18.21	18.05	18.11	19.00

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		1	24	18.53	18.27	18.53	19.00
		12	0	18.25	18.43	18.35	19.00
		12	6	18.05	18.17	18.23	19.00
		12	13	18.11	18.25	18.07	19.00
		25	0	18.39	18.33	18.21	19.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	39200/2355.0	/	
10MHz	QPSK	1	0	/	23.20	/	24.00
		1	25	/	23.24	/	24.00
		1	49	/	23.18	/	24.00
		25	0	/	22.27	/	23.00
		25	13	/	22.25	/	23.00
		25	25	/	22.35	/	23.00
		50	0	/	22.28	/	23.00
	16QAM	1	0	/	22.26	/	23.00
		1	25	/	22.27	/	23.00
		1	49	/	22.21	/	23.00
		25	0	/	21.28	/	22.00
		25	13	/	21.26	/	22.00
		25	25	/	21.32	/	22.00
		50	0	/	21.32	/	22.00
	64QAM	1	0	/	21.10	/	22.00
		1	25	/	21.28	/	22.00
		1	49	/	21.20	/	22.00
		25	0	/	20.32	/	21.00
		25	13	/	20.28	/	21.00
		25	25	/	20.36	/	21.00
		50	0	/	20.30	/	21.00
	256QAM	1	0	/	18.33	/	19.00
		1	25	/	18.11	/	19.00
		1	49	/	18.45	/	19.00
		25	0	/	18.31	/	19.00
		25	13	/	18.15	/	19.00
		25	25	/	18.19	/	19.00
		50	0	/	18.41	/	19.00
LTE B40							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				38725/2307.5	38750/2310.0	38775/2312.5	
5MHz	QPSK	1	0	15.44	15.38	15.46	16.00
		1	13	15.54	15.24	15.26	16.00
		1	24	15.64	15.52	15.56	16.00
		12	0	15.32	15.36	15.48	16.00

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		12	6	15.24	15.36	15.24	16.00
		12	13	15.46	15.58	15.54	16.00
		25	0	15.32	15.62	15.40	16.00
	16QAM	1	0	15.24	15.56	15.26	16.00
		1	13	15.34	15.60	15.64	16.00
		1	24	15.64	15.28	15.42	16.00
		12	0	15.60	15.34	15.54	16.00
		12	6	15.40	15.64	15.46	16.00
		12	13	15.58	15.58	15.36	16.00
		25	0	15.48	15.44	15.56	16.00
	64QAM	1	0	15.34	15.40	15.46	16.00
		1	13	15.42	15.56	15.58	16.00
		1	24	15.40	15.40	15.54	16.00
		12	0	15.40	15.36	15.28	16.00
		12	6	15.56	15.32	15.58	16.00
		12	13	15.42	15.62	15.42	16.00
		25	0	15.46	15.24	15.54	16.00
	256QAM	1	0	15.44	15.30	15.28	16.00
		1	13	15.22	15.38	15.48	16.00
		1	24	15.38	15.40	15.40	16.00
		12	0	15.48	15.36	15.30	16.00
		12	6	15.42	15.22	15.34	16.00
		12	13	15.46	15.32	15.52	16.00
		25	0	15.38	15.34	15.40	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	38750/2310.0	/	
10MHz	QPSK	1	0	/	15.48	/	16.00
		1	25	/	15.46	/	16.00
		1	49	/	15.46	/	16.00
		25	0	/	15.46	/	16.00
		25	13	/	15.38	/	16.00
		25	25	/	15.36	/	16.00
		50	0	/	15.54	/	16.00
	16QAM	1	0	/	15.40	/	16.00
		1	25	/	15.58	/	16.00
		1	49	/	15.46	/	16.00
		25	0	/	15.46	/	16.00
		25	13	/	15.36	/	16.00
		25	25	/	15.46	/	16.00
		50	0	/	15.44	/	16.00
	64QAM	1	0	/	15.60	/	16.00
		1	25	/	15.42	/	16.00
		1	49	/	15.40	/	16.00

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		25	0	/	15.54	/	16.00
		25	13	/	15.48	/	16.00
		25	25	/	15.30	/	16.00
		50	0	/	15.48	/	16.00
	256QAM	1	0	/	15.56	/	16.00
		1	25	/	15.58	/	16.00
		1	49	/	15.58	/	16.00
		25	0	/	15.56	/	16.00
		25	13	/	15.54	/	16.00
		25	25	/	15.38	/	16.00
		50	0	/	15.56	/	16.00
	LTE B40						
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				39175/2352.5	39200/2355.0	39225/2357.5	
5MHz	QPSK	1	0	15.64	15.36	15.54	16.00
		1	13	15.56	15.56	15.36	16.00
		1	24	15.60	15.40	15.48	16.00
		12	0	15.22	15.66	15.46	16.00
		12	6	15.22	15.60	15.50	16.00
		12	13	15.48	15.54	15.56	16.00
		25	0	15.44	15.70	15.46	16.00
	16QAM	1	0	15.24	15.44	15.54	16.00
		1	13	15.60	15.42	15.40	16.00
		1	24	15.24	15.46	15.16	16.00
		12	0	15.48	15.36	15.66	16.00
		12	6	15.18	15.26	15.48	16.00
		12	13	15.62	15.32	15.20	16.00
		25	0	15.56	15.36	15.48	16.00
	64QAM	1	0	15.46	15.24	15.46	16.00
		1	13	15.42	15.72	15.20	16.00
		1	24	15.22	15.60	15.42	16.00
		12	0	15.70	15.26	15.28	16.00
		12	6	15.56	15.64	15.54	16.00
		12	13	15.28	15.28	15.52	16.00
		25	0	15.54	15.60	15.12	16.00
	256QAM	1	0	15.30	15.44	15.48	16.00
		1	13	15.34	15.48	15.66	16.00
		1	24	15.44	15.38	15.30	16.00
		12	0	15.34	15.26	15.40	16.00
		12	6	15.64	15.36	15.44	16.00
		12	13	15.26	15.62	15.34	16.00
		25	0	15.20	15.54	15.44	16.00

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	39200/2355.0	/	
10MHz	QPSK	1	0	/	15.42	/	16.00
		1	25	/	15.60	/	16.00
		1	49	/	15.52	/	16.00
		25	0	/	15.30	/	16.00
		25	13	/	15.60	/	16.00
		25	25	/	15.56	/	16.00
		50	0	/	15.38	/	16.00
	16QAM	1	0	/	15.52	/	16.00
		1	25	/	15.60	/	16.00
		1	49	/	15.40	/	16.00
		25	0	/	15.58	/	16.00
		25	13	/	15.52	/	16.00
		25	25	/	15.34	/	16.00
		50	0	/	15.38	/	16.00
	64QAM	1	0	/	15.54	/	16.00
		1	25	/	15.36	/	16.00
		1	49	/	15.60	/	16.00
		25	0	/	15.34	/	16.00
		25	13	/	15.48	/	16.00
		25	25	/	15.50	/	16.00
		50	0	/	15.30	/	16.00
	256QAM	1	0	/	15.32	/	16.00
		1	25	/	15.56	/	16.00
		1	49	/	15.48	/	16.00
		25	0	/	15.32	/	16.00
		25	13	/	15.60	/	16.00
		25	25	/	15.36	/	16.00
		50	0	/	15.54	/	16.00

LTE B41									
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)					Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					
				39675/2498.5	40148/2545.8	40620/2593	41093/2640.3	41565/2687.5	
5MHz	QPSK	1	0	23.10	23.00	22.98	23.50	23.60	24.00
		1	13	23.08	23.00	23.02	23.61	23.68	24.00
		1	24	23.01	22.96	22.97	23.51	23.63	24.00
		12	0	22.14	22.06	21.97	22.54	22.71	23.00
		12	6	22.17	22.05	22.07	22.62	22.79	23.00
		12	13	22.13	22.04	22.04	22.62	22.76	23.00
		25	0	22.15	22.06	22.06	22.62	22.76	23.00
	16QAM	1	0	22.10	22.01	21.94	22.58	22.80	23.00

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		1	13	22.19	21.92	22.02	22.55	22.80	23.00
		1	24	22.08	22.08	21.91	22.49	22.82	23.00
		12	0	21.16	21.06	20.97	21.53	21.71	22.00
		12	6	21.15	21.05	21.04	21.58	21.81	22.00
		12	13	21.13	21.03	21.06	21.58	21.75	22.00
		25	0	21.19	21.01	21.06	21.61	21.81	22.00
	64QAM	1	0	21.02	20.87	21.02	21.56	21.74	22.00
		1	13	20.97	20.90	20.87	21.55	21.67	22.00
		1	24	20.91	20.97	20.77	21.52	21.63	22.00
		12	0	20.12	20.05	19.96	20.55	20.65	21.00
		12	6	20.14	20.03	20.03	20.58	20.76	21.00
		12	13	20.09	20.04	20.03	20.57	20.76	21.00
		25	0	20.16	20.07	20.10	20.61	20.82	21.00
	256QAM	1	0	18.13	17.97	18.07	18.21	18.51	19.00
		1	13	18.53	18.19	18.49	18.49	18.93	19.00
		1	24	18.09	18.43	18.11	18.53	18.81	19.00
		12	0	18.19	18.27	18.11	18.31	18.39	19.00
		12	6	17.93	17.65	18.19	18.35	18.71	19.00
		12	13	18.17	17.73	17.93	18.49	18.61	19.00
		25	0	18.55	18.45	18.23	18.73	18.65	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39700/2501	40160/2547	40620/2593	41080/2639	41540/2685	
10MHz	QPSK	1	0	23.05	22.92	22.89	23.36	23.73	24.00
		1	25	23.03	22.93	22.92	23.47	23.75	24.00
		1	49	23.01	22.90	22.95	23.52	23.75	24.00
		25	0	22.19	22.07	22.00	22.52	22.73	23.00
		25	13	22.21	22.09	22.11	22.64	22.86	23.00
		25	25	22.18	22.07	22.08	22.61	22.82	23.00
		50	0	22.23	22.11	22.03	22.65	22.81	23.00
	16QAM	1	0	22.12	21.97	21.95	22.42	22.88	23.00
		1	25	22.15	22.02	22.02	22.60	22.79	23.00
		1	49	22.06	21.93	21.95	22.70	22.68	23.00
		25	0	21.19	21.06	21.02	21.54	21.77	22.00
		25	13	21.21	21.11	21.10	21.67	21.84	22.00
		25	25	21.21	21.07	21.12	21.64	21.82	22.00
		50	0	21.17	21.14	21.01	21.62	21.82	22.00
	64QAM	1	0	21.13	20.89	20.90	21.42	21.76	22.00
		1	25	21.00	20.96	21.09	21.58	21.66	22.00
		1	49	21.24	20.85	20.85	21.43	21.56	22.00
		25	0	20.25	20.12	20.05	20.56	20.78	21.00
		25	13	20.21	20.14	20.14	20.68	20.87	21.00
		25	25	20.25	20.12	20.14	20.65	20.87	21.00
		50	0	20.21	20.09	20.03	20.64	20.81	21.00

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	256QAM	1	0	18.25	18.01	18.01	18.31	18.45	19.00
		1	25	18.39	18.49	18.31	18.77	18.97	19.00
		1	49	18.25	18.37	18.33	18.49	18.67	19.00
		25	0	18.17	18.33	18.09	18.35	18.61	19.00
		25	13	18.09	18.03	17.99	18.13	18.39	19.00
		25	25	18.17	18.17	18.09	18.23	18.47	19.00
		50	0	18.35	18.47	18.41	18.55	18.77	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39725/2503.5	40173/2548.3	40620/2593	41068/2637.8	41515/2682.5	
15MHz	QPSK	1	0	23.06	22.96	23.00	23.37	23.71	24.00
		1	38	23.10	23.01	23.03	23.50	23.72	24.00
		1	74	23.08	23.01	23.00	23.54	23.68	24.00
		36	0	22.14	22.09	22.10	22.56	22.82	23.00
		36	18	22.24	22.13	22.18	22.67	22.83	23.00
		36	39	22.20	22.13	22.17	22.69	22.83	23.00
		75	0	22.17	22.06	22.02	22.65	22.80	23.00
	16QAM	1	0	22.08	21.95	22.06	22.38	22.83	23.00
		1	38	22.14	22.08	21.94	22.58	22.75	23.00
		1	74	22.08	22.00	22.13	22.63	22.61	23.00
		36	0	21.16	21.13	21.03	21.55	21.81	22.00
		36	18	21.20	21.10	21.15	21.68	21.76	22.00
		36	39	21.21	21.08	21.16	21.69	21.81	22.00
		75	0	21.16	21.10	21.06	21.66	21.78	22.00
	64QAM	1	0	21.16	20.96	21.08	21.39	21.77	22.00
		1	38	21.05	20.96	20.94	21.60	21.81	22.00
		1	74	21.13	20.94	21.12	21.46	21.73	22.00
		36	0	20.12	20.14	20.10	20.58	20.81	21.00
		36	18	20.26	20.10	20.19	20.67	20.80	21.00
		36	39	20.21	20.08	20.18	20.69	20.88	21.00
		75	0	20.20	20.12	20.07	20.66	20.81	21.00
	256QAM	1	0	18.29	18.07	18.21	18.11	18.53	19.00
		1	38	18.51	18.43	18.27	18.45	18.81	19.00
		1	74	18.33	18.45	18.11	18.25	18.77	19.00
		36	0	18.19	18.35	18.25	18.21	18.59	19.00
		36	18	18.23	18.03	18.19	18.15	18.27	19.00
		36	39	17.87	17.91	18.05	18.05	18.39	19.00
		75	0	18.45	18.37	18.47	18.59	18.67	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39750/2506	40185/2549.5	40620/2593	41055/2636.5	41490/2680	
20MHz	QPSK	1	0	23.14	23.04	22.93	23.32	23.75	24.00
		1	50	23.10	23.06	22.99	23.45	23.74	24.00
		1	99	23.13	23.07	23.09	23.64	23.66	24.00
		50	0	22.25	22.15	22.06	22.53	22.81	23.00

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		50	25	22.25	22.16	22.12	22.65	22.80	23.00
		50	50	22.23	22.11	22.14	22.71	22.85	23.00
		100	0	22.20	22.12	22.05	22.62	22.77	23.00
	16QAM	1	0	22.37	22.14	22.06	22.32	22.83	23.00
		1	50	22.32	22.07	22.04	22.56	22.86	23.00
		1	99	22.22	22.13	22.11	22.74	22.87	23.00
		50	0	21.27	21.17	21.08	21.57	21.75	22.00
		50	25	21.26	21.15	21.09	21.69	21.75	22.00
		50	50	21.24	21.14	21.17	21.75	21.82	22.00
		100	0	21.17	21.10	21.06	21.62	21.75	22.00
	64QAM	1	0	21.15	21.05	20.88	21.42	21.79	22.00
		1	50	21.23	21.20	21.10	21.36	21.79	22.00
		1	99	21.08	21.07	20.96	21.75	21.74	22.00
		50	0	20.24	20.16	20.14	20.57	20.83	21.00
		50	25	20.26	20.17	20.12	20.66	20.82	21.00
		50	50	20.21	20.16	20.21	20.76	20.89	21.00
		100	0	20.20	20.12	20.03	20.60	20.77	21.00
	256QAM	1	0	18.19	18.17	18.09	18.27	18.45	19.00
		1	50	18.55	18.41	18.53	18.69	18.85	19.00
		1	99	18.35	18.27	18.17	18.35	18.65	19.00
		50	0	18.07	18.15	18.19	18.53	18.71	19.00
		50	25	18.09	17.89	18.15	18.23	18.39	19.00
		50	50	18.19	18.17	18.09	18.13	18.45	19.00
		100	0	18.41	18.49	18.37	18.65	18.69	19.00

LTE B41

Sensor on--Main Ant				Maximum Output Power (dBm)					Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					
				39675/2498.5	40148/2545.8	40620/2593	41093/2640.3	41565/2687.5	
5MHz	QPSK	1	0	15.65	15.87	16.03	15.92	16.56	17.00
		1	13	15.87	15.75	15.79	16.10	16.40	17.00
		1	24	15.63	15.93	15.95	15.98	16.50	17.00
		12	0	16.01	15.89	15.85	15.98	16.62	17.00
		12	6	15.75	15.69	16.03	16.00	16.36	17.00
		12	13	15.75	15.85	15.97	15.88	16.44	17.00
		25	0	15.91	15.73	15.81	15.92	16.28	17.00
	16QAM	1	0	15.97	15.87	15.89	16.08	16.48	17.00
		1	13	15.75	15.83	15.71	16.22	16.26	17.00
		1	24	16.07	15.93	15.79	16.02	16.70	17.00
		12	0	15.63	15.97	15.93	16.14	16.40	17.00
		12	6	15.53	15.67	15.79	16.22	16.40	17.00
		12	13	15.75	15.91	15.97	16.24	16.36	17.00
		25	0	15.95	15.89	16.01	16.36	16.60	17.00
	64QAM	1	0	15.99	15.65	15.53	15.92	16.28	17.00

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		1	13	15.81	15.87	15.61	16.24	16.54	17.00
		1	24	16.03	15.59	15.77	16.02	16.42	17.00
		12	0	15.85	15.89	16.07	15.94	16.22	17.00
		12	6	15.81	15.85	15.57	16.30	16.18	17.00
		12	13	15.97	15.95	15.61	16.24	16.50	17.00
		25	0	15.59	15.63	15.69	16.16	16.56	17.00
		25	0	15.59	15.63	15.69	16.16	16.56	17.00
	256QAM	1	0	15.85	16.11	15.99	16.04	16.50	17.00
		1	13	15.85	15.75	16.03	16.10	16.36	17.00
		1	24	15.87	16.05	16.03	15.92	16.66	17.00
		12	0	16.13	16.11	15.97	15.84	16.44	17.00
		12	6	15.71	15.69	15.87	15.92	16.32	17.00
		12	13	15.99	15.85	15.91	15.94	16.42	17.00
		25	0	15.89	15.85	16.01	15.84	16.20	17.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39700/2501	40160/2547	40620/2593	41080/2639	41540/2685	
10MHz	QPSK	1	0	15.75	15.87	16.11	16.12	16.72	17.00
		1	25	15.99	15.95	15.71	16.06	16.34	17.00
		1	49	15.81	16.01	16.09	16.02	16.58	17.00
		25	0	15.97	15.95	15.87	16.18	16.42	17.00
		25	13	15.59	15.65	15.79	15.94	16.38	17.00
		25	25	15.89	15.85	15.87	16.08	16.46	17.00
		50	0	15.81	15.95	15.95	16.14	16.16	17.00
	16QAM	1	0	16.01	16.01	15.97	16.30	16.66	17.00
		1	25	15.71	16.09	15.77	16.18	16.46	17.00
		1	49	16.15	16.03	15.99	16.12	16.60	17.00
		25	0	15.87	15.69	16.03	16.28	16.28	17.00
		25	13	15.93	15.73	15.93	16.16	16.40	17.00
		25	25	15.95	16.05	16.03	16.34	16.14	17.00
		50	0	15.87	15.91	15.73	16.08	16.62	17.00
	64QAM	1	0	15.87	15.85	15.83	15.86	16.18	17.00
		1	25	15.95	15.81	15.93	16.10	16.54	17.00
		1	49	16.01	15.61	15.83	15.84	16.34	17.00
		25	0	15.81	16.13	15.91	15.86	16.18	17.00
		25	13	15.85	15.81	15.85	16.22	16.04	17.00
		25	25	15.95	15.93	15.95	15.98	16.34	17.00
		50	0	15.83	16.01	15.89	16.08	16.38	17.00
	256QAM	1	0	15.89	15.83	15.95	16.10	16.42	17.00
		1	25	15.91	15.95	15.95	16.02	16.30	17.00
		1	49	15.97	15.87	16.15	15.86	16.54	17.00
		25	0	15.63	15.89	15.77	16.10	16.28	17.00
		25	13	15.71	15.65	15.93	16.40	16.36	17.00
		25	25	15.83	16.05	15.89	16.34	16.26	17.00
		50	0	16.01	16.05	15.81	16.04	16.50	17.00

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39725/2503.5	40173/2548.3	40620/2593	41068/2637.8	41515/2682.5	
15MHz	QPSK	1	0	15.89	15.97	16.03	15.92	16.44	17.00
		1	38	15.83	15.81	15.79	16.24	16.54	17.00
		1	74	15.71	16.09	16.03	16.08	16.48	17.00
		36	0	15.89	15.97	15.85	16.02	16.56	17.00
		36	18	15.63	15.65	15.99	15.90	16.36	17.00
		36	39	16.07	15.83	16.07	16.06	16.60	17.00
		75	0	15.99	15.85	15.97	15.82	16.38	17.00
	16QAM	1	0	15.77	15.89	16.01	16.24	16.50	17.00
		1	38	15.83	16.07	15.75	16.20	16.30	17.00
		1	74	16.01	15.93	16.13	16.14	16.54	17.00
		36	0	15.89	15.85	16.01	16.24	16.44	17.00
		36	18	15.89	15.69	15.85	16.36	16.40	17.00
		36	39	15.91	15.89	16.03	16.18	16.24	17.00
		75	0	16.11	15.93	15.99	16.14	16.64	17.00
	64QAM	1	0	16.07	15.95	15.89	16.14	16.36	17.00
		1	38	15.91	15.93	15.89	16.30	16.54	17.00
		1	74	15.89	15.75	16.11	15.96	16.18	17.00
		36	0	15.99	16.13	16.05	16.00	16.40	17.00
		36	18	15.71	16.07	15.87	16.30	16.38	17.00
		36	39	16.11	15.93	15.75	16.12	16.34	17.00
		75	0	15.77	15.73	15.85	16.22	16.38	17.00
	256QAM	1	0	16.05	15.95	15.65	16.02	16.20	17.00
		1	38	15.97	15.95	15.61	16.34	16.38	17.00
		1	74	16.11	15.87	15.89	15.94	16.32	17.00
		36	0	15.87	16.05	15.91	15.74	16.38	17.00
		36	18	15.71	15.81	15.75	16.12	16.22	17.00
		36	39	15.93	16.09	15.67	16.10	16.52	17.00
		75	0	15.79	15.95	15.97	16.16	16.24	17.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)					Tune-up
				39750/2506	40185/2549.5	40620/2593	41055/2636.5	41490/2680	
20MHz	QPSK	1	0	15.73	16.01	15.97	15.96	16.52	17.00
		1	50	15.95	15.85	15.89	16.20	16.36	17.00
		1	99	15.81	16.01	15.91	16.02	16.56	17.00
		50	0	15.97	15.97	15.87	15.96	16.50	17.00
		50	25	15.75	15.77	15.95	16.02	16.22	17.00
		50	50	15.95	15.81	16.01	15.94	16.50	17.00
		100	0	15.97	15.83	15.93	15.94	16.30	17.00
	16QAM	1	0	15.89	15.93	15.99	16.10	16.56	17.00
		1	50	15.77	15.93	15.87	16.16	16.34	17.00
		1	99	15.99	15.85	15.99	16.04	16.58	17.00
		50	0	15.71	15.87	15.87	16.20	16.46	17.00

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		50	25	15.73	15.75	15.97	16.30	16.26	17.00
		50	50	15.79	16.01	15.97	16.28	16.30	17.00
		100	0	16.01	15.97	15.91	16.20	16.56	17.00
	64QAM	1	0	15.97	15.83	15.71	16.00	16.34	17.00
		1	50	16.01	15.83	15.71	16.26	16.46	17.00
		1	99	15.95	15.77	15.93	16.00	16.26	17.00
		50	0	15.97	15.99	16.01	15.92	16.32	17.00
		50	25	15.77	15.91	15.71	16.16	16.22	17.00
		50	50	16.01	16.01	15.73	16.08	16.46	17.00
		100	0	15.77	15.79	15.83	16.08	16.42	17.00
	256QAM	1	0	15.79	15.77	15.83	15.82	16.40	17.00
		1	50	15.91	15.67	15.93	16.40	16.54	17.00
		1	99	15.67	16.23	16.17	15.92	16.44	17.00
		50	0	15.71	15.99	16.01	15.98	16.50	17.00
		50	25	15.57	15.61	15.77	15.78	16.40	17.00
		50	50	15.97	15.63	16.15	16.02	16.60	17.00
		100	0	15.89	15.77	15.81	15.64	16.14	17.00

LTE B42							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				41615/3402.5	42590/3500	43565/3597.5	
5MHz	QPSK	1	0	22.28	22.32	22.11	22.50
		1	13	22.41	22.07	22.30	22.50
		1	24	22.01	22.18	21.93	22.50
		12	0	21.31	21.18	21.15	22.00
		12	6	21.29	20.86	21.23	22.00
		12	13	21.35	21.17	20.95	22.00
		25	0	21.30	21.21	21.38	22.00
	16QAM	1	0	21.02	21.36	21.10	22.00
		1	13	21.28	21.22	21.23	22.00
		1	24	21.12	20.97	21.32	22.00
		12	0	20.11	20.22	20.53	21.00
		12	6	20.22	20.36	20.30	21.00
		12	13	20.07	19.99	20.17	21.00
		25	0	20.09	19.99	20.23	21.00
	64QAM	1	0	20.17	20.31	20.42	21.00
		1	13	20.22	20.05	20.37	21.00
		1	24	20.16	20.26	20.13	21.00
		12	0	19.20	18.99	19.45	20.00
		12	6	19.17	19.25	19.31	20.00
		12	13	19.25	19.14	19.08	20.00
		25	0	19.32	19.21	19.52	20.00

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	256QAM	1	0	16.54	16.54	16.72	17.50
		1	13	17.06	16.78	16.66	17.50
		1	24	16.56	16.62	16.76	17.50
		12	0	16.72	16.56	16.42	17.50
		12	6	16.50	16.82	16.82	17.50
		12	13	16.58	16.76	16.66	17.50
		25	0	16.94	16.70	16.82	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				41640/3405	42590/3500	43540/3595	
10MHz	QPSK	1	0	22.00	22.14	22.33	22.50
		1	25	22.29	22.21	22.10	22.50
		1	49	22.19	22.00	21.99	22.50
		25	0	21.15	21.12	21.33	22.00
		25	13	20.97	21.04	21.33	22.00
		25	25	21.11	21.11	21.29	22.00
		50	0	21.18	20.97	21.20	22.00
	16QAM	1	0	21.08	20.96	21.42	22.00
		1	25	21.12	21.10	21.13	22.00
		1	49	21.10	20.81	21.06	22.00
		25	0	20.13	20.14	20.15	21.00
		25	13	19.98	20.06	20.30	21.00
		25	25	20.17	19.87	20.17	21.00
		50	0	20.09	20.03	20.29	21.00
	64QAM	1	0	20.31	20.23	20.30	21.00
		1	25	20.16	20.17	20.27	21.00
		1	49	20.26	19.96	20.13	21.00
		25	0	19.28	19.11	19.29	20.00
		25	13	18.99	19.11	19.23	20.00
		25	25	19.09	19.12	19.32	20.00
		50	0	19.18	19.11	19.16	20.00
	256QAM	1	0	16.86	16.92	16.82	17.50
		1	25	16.96	16.60	16.56	17.50
		1	49	16.86	16.80	16.96	17.50
		25	0	16.56	16.78	16.68	17.50
		25	13	16.48	16.86	16.96	17.50
		25	25	16.86	16.90	16.66	17.50
		50	0	17.00	16.74	16.80	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				41665/3407.5	42590/3500	43515/3592.5	
15MHz	QPSK	1	0	22.00	22.20	22.29	22.50
		1	38	22.13	22.11	22.38	22.50
		1	74	22.25	22.08	22.03	22.50
		36	0	21.19	21.34	21.21	22.00

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		36	18	21.27	21.38	21.31	22.00
		36	39	21.35	20.95	21.15	22.00
		75	0	21.14	21.05	21.38	22.00
	16QAM	1	0	21.18	21.24	21.50	22.00
		1	38	21.02	21.20	21.11	22.00
		1	74	21.30	21.11	21.18	22.00
		36	0	20.39	20.06	20.15	21.00
		36	18	20.34	20.36	20.38	21.00
		36	39	20.31	20.01	20.43	21.00
		75	0	20.25	20.25	20.31	21.00
	64QAM	1	0	20.13	20.13	20.38	21.00
		1	38	20.32	20.15	20.51	21.00
		1	74	20.30	20.02	20.35	21.00
		36	0	19.20	19.23	19.37	20.00
		36	18	19.03	19.23	19.27	20.00
		36	39	19.17	19.20	19.14	20.00
		75	0	19.28	19.35	19.50	20.00
	256QAM	1	0	16.62	16.72	16.60	17.50
		1	38	17.08	16.64	16.72	17.50
		1	74	16.56	16.86	16.84	17.50
		36	0	16.80	16.64	16.68	17.50
		36	18	16.74	16.84	17.08	17.50
		36	39	16.68	16.82	16.68	17.50
		75	0	17.10	16.76	16.70	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				41690/3410	42590/3500	43490/3590	
20MHz	QPSK	1	0	22.28	22.36	22.23	22.50
		1	50	22.31	22.19	22.24	22.50
		1	99	22.23	22.14	22.11	22.50
		50	0	21.27	21.04	21.35	22.00
		50	25	21.15	21.08	21.21	22.00
		50	50	21.23	21.05	21.19	22.00
		100	0	21.30	21.29	21.38	22.00
	16QAM	1	0	21.26	21.22	21.24	22.00
		1	50	21.14	21.06	21.33	22.00
		1	99	21.10	21.01	21.26	22.00
		50	0	20.17	20.34	20.37	21.00
		50	25	20.10	20.32	20.30	21.00
		50	50	20.11	20.23	20.27	21.00
		100	0	20.25	20.11	20.27	21.00
	64QAM	1	0	20.29	20.15	20.42	21.00
		1	50	20.20	19.99	20.37	21.00
		1	99	20.12	20.10	20.35	21.00

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		50	0	19.14	19.09	19.45	20.00
		50	25	19.33	19.27	19.25	20.00
		50	50	19.17	19.06	19.18	20.00
		100	0	19.28	19.05	19.42	20.00
	256QAM	1	0	16.66	16.74	16.62	17.50
		1	50	16.96	16.72	16.68	17.50
		1	99	16.64	16.82	16.80	17.50
		50	0	16.64	16.72	16.54	17.50
		50	25	16.60	16.74	16.92	17.50
		50	50	16.76	16.84	16.60	17.50
		100	0	17.00	16.76	16.72	17.50
LTE B42							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				41615/3402.5	42590/3500	43565/3597.5	
5MHz	QPSK	1	0	12.84	12.72	12.54	13.50
		1	13	12.80	12.94	12.64	13.50
		1	24	12.80	12.66	12.58	13.50
		12	0	12.88	12.80	12.68	13.50
		12	6	12.94	12.74	12.66	13.50
		12	13	12.64	12.76	12.82	13.50
		25	0	12.88	12.82	12.84	13.50
	16QAM	1	0	12.68	13.10	12.80	13.50
		1	13	12.76	12.94	12.70	13.50
		1	24	12.68	12.64	12.46	13.50
		12	0	12.94	12.86	12.90	13.50
		12	6	12.46	12.44	12.86	13.50
		12	13	12.60	12.44	13.08	13.50
		25	0	12.72	12.78	12.68	13.50
	64QAM	1	0	12.96	12.46	12.96	13.50
		1	13	12.50	12.88	12.50	13.50
		1	24	12.96	12.94	12.86	13.50
		12	0	12.52	13.02	12.86	13.50
		12	6	12.64	12.86	12.74	13.50
		12	13	12.82	12.68	12.76	13.50
		25	0	13.04	12.56	12.72	13.50
	256QAM	1	0	13.02	12.82	12.68	13.50
		1	13	12.98	13.08	12.74	13.50
		1	24	12.88	12.58	12.48	13.50
		12	0	12.98	12.76	12.76	13.50
		12	6	13.00	12.84	12.58	13.50
		12	13	12.72	12.90	13.00	13.50
		25	0	12.80	12.88	12.98	13.50

Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				41640/3405	42590/3500	43540/3595	
10MHz	QPSK	1	0	12.74	12.72	12.80	13.50
		1	25	12.90	12.68	12.90	13.50
		1	49	12.74	12.92	12.86	13.50
		25	0	12.72	12.86	12.76	13.50
		25	13	12.66	12.92	12.80	13.50
		25	25	12.86	12.82	12.92	13.50
		50	0	12.70	12.74	12.86	13.50
	16QAM	1	0	12.90	12.86	12.78	13.50
		1	25	12.88	12.84	12.74	13.50
		1	49	12.80	12.90	12.68	13.50
		25	0	12.66	12.66	12.66	13.50
		25	13	12.74	12.90	12.86	13.50
		25	25	12.80	12.92	12.86	13.50
		50	0	12.80	12.70	12.88	13.50
	64QAM	1	0	12.70	12.82	12.72	13.50
		1	25	12.82	12.74	12.70	13.50
		1	49	12.70	12.76	12.68	13.50
		25	0	12.88	12.80	12.66	13.50
		25	13	12.88	12.66	12.90	13.50
		25	25	12.78	12.82	12.86	13.50
		50	0	12.74	12.90	12.70	13.50
	256QAM	1	0	12.64	13.28	12.84	13.50
		1	25	12.80	13.02	12.68	13.50
		1	49	12.70	12.54	12.40	13.50
		25	0	12.86	12.92	12.78	13.50
		25	13	12.50	12.38	12.96	13.50
		25	25	12.66	12.54	13.26	13.50
		50	0	12.70	12.66	12.80	13.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				41665/3407.5	42590/3500	43515/3592.5	
15MHz	QPSK	1	0	12.56	12.74	12.56	13.50
		1	38	12.78	12.58	12.74	13.50
		1	74	12.86	12.70	12.70	13.50
		36	0	12.70	12.78	12.56	13.50
		36	18	12.80	12.80	12.68	13.50
		36	39	12.84	12.84	12.62	13.50
		75	0	12.64	12.72	12.64	13.50
	16QAM	1	0	12.60	12.64	12.84	13.50
		1	38	12.56	12.60	12.60	13.50
		1	74	12.60	12.64	12.72	13.50
		36	0	12.74	12.80	12.62	13.50

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		36	18	12.60	12.60	12.70	13.50
		36	39	12.78	12.82	12.58	13.50
		75	0	12.74	12.66	12.62	13.50
	64QAM	1	0	12.66	12.70	12.66	13.50
		1	38	12.80	12.72	12.70	13.50
		1	74	12.72	12.58	12.56	13.50
		36	0	12.72	12.64	12.60	13.50
		36	18	12.80	12.80	12.70	13.50
		36	39	12.64	12.70	12.76	13.50
		75	0	12.86	12.76	12.70	13.50
	256QAM	1	0	12.88	12.60	12.94	13.50
		1	38	12.50	13.00	12.40	13.50
		1	74	13.12	13.00	12.74	13.50
		36	0	12.56	13.20	12.78	13.50
		36	18	12.72	12.88	12.76	13.50
		36	39	12.98	12.64	12.72	13.50
		75	0	12.92	12.54	12.86	13.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				41690/3410	42590/3500	43490/3590	
20MHz	QPSK	1	0	12.64	12.76	12.80	13.50
		1	50	12.92	12.74	12.60	13.50
		1	99	12.98	12.99	12.64	13.50
		50	0	12.98	12.94	13.10	13.50
		50	25	12.70	12.86	12.64	13.50
		50	50	12.84	12.92	12.66	13.50
		100	0	12.70	12.70	12.60	13.50
	16QAM	1	0	12.88	12.90	12.70	13.50
		1	50	12.66	12.94	12.96	13.50
		1	99	12.66	12.70	12.82	13.50
		50	0	12.60	12.84	12.94	13.50
		50	25	12.66	12.80	12.60	13.50
		50	50	12.88	12.58	12.84	13.50
		100	0	12.68	12.82	12.70	13.50
	64QAM	1	0	12.66	12.68	12.80	13.50
		1	50	12.70	12.68	12.58	13.50
		1	99	12.72	12.80	12.88	13.50
		50	0	12.88	12.58	12.84	13.50
		50	25	12.64	12.90	12.90	13.50
		50	50	12.62	12.78	12.62	13.50
		100	0	12.84	12.90	12.90	13.50
	256QAM	1	0	12.94	12.68	12.82	13.50
		1	50	12.46	12.92	12.68	13.50
		1	99	13.14	13.10	12.88	13.50

		50	0	12.50	13.08	12.80	13.50
		50	25	12.86	13.02	12.74	13.50
		50	50	12.94	12.64	12.72	13.50
		100	0	13.00	12.72	12.56	13.50
LTE B43							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				43615/3602.5	44590/3700	45565/3797.5	
5MHz	QPSK	1	0	22.35	21.58	21.55	22.50
		1	13	22.35	21.63	21.60	22.50
		1	24	22.28	21.55	21.52	22.50
		12	0	21.47	20.75	20.62	22.00
		12	6	21.43	20.71	20.58	22.00
		12	13	21.38	20.73	20.66	22.00
		25	0	21.46	20.75	20.61	22.00
	16QAM	1	0	21.42	20.78	20.68	22.00
		1	13	21.52	20.71	20.71	22.00
		1	24	21.38	20.62	20.55	22.00
		12	0	20.52	19.78	19.62	21.00
		12	6	20.46	19.78	19.61	21.00
		12	13	20.37	19.77	19.64	21.00
		25	0	20.44	19.81	19.59	21.00
	64QAM	1	0	20.31	19.69	19.69	21.00
		1	13	20.28	19.62	19.53	21.00
		1	24	20.24	19.62	19.50	21.00
		12	0	19.34	18.78	18.65	20.00
		12	6	19.33	18.77	18.56	20.00
		12	13	19.19	18.74	18.67	20.00
		25	0	19.30	18.78	18.57	20.00
	256QAM	1	0	16.60	16.78	16.78	17.50
		1	13	17.08	16.92	16.50	17.50
		1	24	16.84	16.82	17.10	17.50
		12	0	16.52	16.66	16.84	17.50
		12	6	17.00	16.92	16.58	17.50
		12	13	16.96	16.66	16.80	17.50
		25	0	16.74	16.64	16.64	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				43640/3605	44590/3700	45540/3795	
10MHz	QPSK	1	0	22.34	21.79	21.66	22.50
		1	25	22.25	21.78	21.60	22.50
		1	49	22.15	21.69	21.48	22.50
		25	0	21.41	20.85	20.67	22.00
		25	13	21.34	20.82	20.74	22.00

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		25	25	21.28	20.75	20.68	22.00
		50	0	21.31	20.80	20.71	22.00
	16QAM	1	0	21.36	20.84	20.65	22.00
		1	25	21.54	20.75	20.78	22.00
		1	49	21.22	20.66	20.53	22.00
		25	0	20.40	19.85	19.65	21.00
		25	13	20.34	19.83	19.71	21.00
		25	25	20.27	19.75	19.66	21.00
		50	0	20.33	19.84	19.71	21.00
	64QAM	1	0	20.31	19.73	19.55	21.00
		1	25	20.32	19.76	19.62	21.00
		1	49	20.21	19.48	19.55	21.00
		25	0	19.44	18.89	18.68	20.00
		25	13	19.33	18.84	18.75	20.00
		25	25	19.30	18.78	18.67	20.00
		50	0	19.36	18.84	18.71	20.00
	256QAM	1	0	16.68	16.80	16.80	17.50
		1	25	16.86	16.92	16.54	17.50
		1	49	16.72	16.62	16.76	17.50
		25	0	16.52	16.64	16.76	17.50
		25	13	16.72	16.66	16.62	17.50
		25	25	17.04	16.68	16.52	17.50
		50	0	16.78	16.34	16.64	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				43665/3607.5	44590/3700	45515/3792.5	
15MHz	QPSK	1	0	22.37	21.84	21.79	22.50
		1	38	22.34	21.74	21.74	22.50
		1	74	22.25	21.61	21.59	22.50
		36	0	21.43	20.87	20.76	22.00
		36	18	21.30	20.87	20.69	22.00
		36	39	21.29	20.80	20.69	22.00
		75	0	21.28	20.81	20.65	22.00
	16QAM	1	0	21.37	20.86	20.92	22.00
		1	38	21.43	20.77	20.78	22.00
		1	74	21.21	20.66	20.61	22.00
		36	0	20.42	19.84	19.71	21.00
		36	18	20.28	19.78	19.66	21.00
		36	39	20.25	19.74	19.66	21.00
		75	0	20.31	19.80	19.67	21.00
	64QAM	1	0	20.44	19.87	19.69	21.00
		1	38	20.24	19.77	19.71	21.00
		1	74	20.21	19.62	19.62	21.00
		36	0	19.37	18.89	18.75	20.00

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		36	18	19.32	18.83	18.62	20.00
		36	39	19.24	18.80	18.67	20.00
		75	0	19.28	18.83	18.65	20.00
	256QAM	1	0	16.80	17.10	16.96	17.50
		1	38	17.08	17.14	16.52	17.50
		1	74	16.64	16.90	16.84	17.50
		36	0	16.54	16.40	16.92	17.50
		36	18	16.96	17.08	16.58	17.50
		36	39	17.04	16.68	16.84	17.50
		75	0	16.80	16.52	16.74	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				43690/3610	44590/3700	45490/3790	
20MHz	QPSK	1	0	22.45	21.89	21.87	22.50
		1	50	22.30	21.75	21.71	22.50
		1	99	22.20	21.59	21.59	22.50
		50	0	21.46	20.91	20.78	22.00
		50	25	21.39	20.82	20.78	22.00
		50	50	21.26	20.77	20.64	22.00
		100	0	21.35	20.78	20.73	22.00
	16QAM	1	0	21.41	21.06	20.82	22.00
		1	50	21.36	20.90	20.62	22.00
		1	99	21.16	20.68	20.52	22.00
		50	0	20.44	19.90	19.78	21.00
		50	25	20.44	19.85	19.82	21.00
		50	50	20.30	19.80	19.71	21.00
		100	0	20.35	19.78	19.69	21.00
	64QAM	1	0	20.46	19.98	19.78	21.00
		1	50	20.28	19.77	19.80	21.00
		1	99	20.14	19.61	19.46	21.00
		50	0	19.44	18.90	18.74	20.00
		50	25	19.41	18.84	18.75	20.00
		50	50	19.28	18.74	18.69	20.00
		100	0	19.34	18.81	18.74	20.00
	256QAM	1	0	16.78	17.02	17.00	17.50
		1	50	16.88	16.88	16.56	17.50
		1	99	16.94	16.86	17.12	17.50
		50	0	16.78	16.52	16.70	17.50
		50	25	17.06	16.94	16.72	17.50
		50	50	17.06	16.64	16.76	17.50
		100	0	16.62	16.38	16.86	17.50
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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB	Offset	Channel/Frequency(MHz)			

		Allocation		43615/3602.5	44590/3700	45565/3797.5	
5MHz	QPSK	1	0	10.57	10.59	10.59	11.50
		1	13	10.75	10.77	10.55	11.50
		1	24	10.71	10.57	10.57	11.50
		12	0	10.55	10.69	10.59	11.50
		12	6	10.65	10.59	10.63	11.50
		12	13	10.77	10.77	10.75	11.50
		25	0	10.61	10.69	10.69	11.50
	16QAM	1	0	10.75	10.53	10.59	11.50
		1	13	10.59	10.69	10.65	11.50
		1	24	10.57	10.57	10.55	11.50
		12	0	10.71	10.69	10.75	11.50
		12	6	10.75	10.65	10.53	11.50
		12	13	10.63	10.59	10.59	11.50
		25	0	10.59	10.63	10.53	11.50
	64QAM	1	0	10.51	10.63	10.57	11.50
		1	13	10.73	10.75	10.77	11.50
		1	24	10.63	10.63	10.67	11.50
		12	0	10.67	10.63	10.73	11.50
		12	6	10.69	10.57	10.51	11.50
		12	13	10.75	10.73	10.65	11.50
		25	0	10.61	10.57	10.65	11.50
	256QAM	1	0	10.61	10.57	10.55	11.50
		1	13	10.29	10.57	10.51	11.50
		1	24	10.81	10.31	10.59	11.50
		12	0	10.53	10.63	10.65	11.50
		12	6	10.89	10.59	10.83	11.50
		12	13	10.31	10.55	10.87	11.50
		25	0	10.73	10.45	10.59	11.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
10MHz	QPSK	1	0	43640/3605	44590/3700	45540/3795	11.50
		1	25	10.63	10.63	10.49	11.50
		1	49	10.59	10.41	10.49	11.50
		1	49	10.49	10.65	10.51	11.50
		25	0	10.67	10.41	10.71	11.50
		25	13	10.59	10.53	10.63	11.50
		25	25	10.47	10.43	10.71	11.50
		50	0	10.53	10.71	10.61	11.50
	16QAM	1	0	10.65	10.47	10.59	11.50
		1	25	10.43	10.49	10.41	11.50
		1	49	10.59	10.61	10.51	11.50
		25	0	10.55	10.49	10.41	11.50
		25	13	10.69	10.59	10.47	11.50

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		25	25	10.41	10.65	10.57	11.50
		50	0	10.55	10.55	10.67	11.50
	64QAM	1	0	10.67	10.57	10.69	11.50
		1	25	10.67	10.43	10.57	11.50
		1	49	10.47	10.69	10.65	11.50
		25	0	10.65	10.69	10.55	11.50
		25	13	10.53	10.41	10.63	11.50
		25	25	10.57	10.69	10.69	11.50
		50	0	10.63	10.45	10.45	11.50
	256QAM	1	0	10.45	10.83	10.39	11.50
		1	25	10.61	10.69	10.67	11.50
		1	49	10.35	10.67	10.79	11.50
		25	0	10.75	10.55	10.39	11.50
		25	13	10.55	10.67	10.59	11.50
		25	25	10.69	10.25	10.39	11.50
		50	0	10.73	10.63	10.73	11.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				43665/3607.5	44590/3700	45515/3792.5	
15MHz	QPSK	1	0	10.65	10.65	10.43	11.50
		1	38	10.51	10.45	10.61	11.50
		1	74	10.43	10.73	10.57	11.50
		36	0	10.65	10.43	10.55	11.50
		36	18	10.79	10.43	10.65	11.50
		36	39	10.67	10.45	10.69	11.50
		75	0	10.53	10.45	10.55	11.50
	16QAM	1	0	10.59	10.67	10.75	11.50
		1	38	10.53	10.75	10.79	11.50
		1	74	10.77	10.69	10.47	11.50
		36	0	10.61	10.55	10.63	11.50
		36	18	10.79	10.65	10.79	11.50
		36	39	10.65	10.77	10.75	11.50
		75	0	10.57	10.53	10.43	11.50
	64QAM	1	0	10.63	10.53	10.67	11.50
		1	38	10.73	10.47	10.77	11.50
		1	74	10.83	10.67	10.73	11.50
		36	0	10.69	10.81	10.43	11.50
		36	18	10.51	10.63	10.75	11.50
		36	39	10.53	10.71	10.75	11.50
		75	0	10.75	10.61	10.59	11.50
	256QAM	1	0	10.53	10.89	10.43	11.50
		1	38	10.71	10.63	10.39	11.50
		1	74	10.31	10.63	10.57	11.50
		36	0	10.77	10.53	10.71	11.50

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		36	18	10.75	10.81	10.61	11.50
		36	39	10.59	10.53	10.65	11.50
		75	0	10.51	10.59	10.51	11.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				43690/3610	44590/3700	45490/3790	
20MHz	QPSK	1	0	10.79	10.61	10.63	11.50
		1	50	10.49	10.77	10.51	11.50
		1	99	10.79	10.55	10.57	11.50
		50	0	10.67	10.55	10.75	11.50
		50	25	10.83	10.61	10.79	11.50
		50	50	10.53	10.49	10.73	11.50
		100	0	10.77	10.51	10.49	11.50
	16QAM	1	0	10.63	10.75	10.51	11.50
		1	50	10.63	10.79	10.59	11.50
		1	99	10.57	10.53	10.75	11.50
		50	0	10.69	10.77	10.59	11.50
		50	25	10.69	10.69	10.59	11.50
		50	50	10.63	10.49	10.55	11.50
		100	0	10.69	10.69	10.77	11.50
	64QAM	1	0	10.73	10.73	10.57	11.50
		1	50	10.73	10.55	10.61	11.50
		1	99	10.53	10.71	10.75	11.50
		50	0	10.75	10.53	10.73	11.50
		50	25	10.79	10.65	10.53	11.50
		50	50	10.69	10.53	10.61	11.50
		100	0	10.75	10.51	10.51	11.50
	256QAM	1	0	10.69	10.91	10.41	11.50
		1	50	10.61	10.75	10.41	11.50
		1	99	10.27	10.81	10.71	11.50
		50	0	10.79	10.69	10.79	11.50
		50	25	10.91	10.91	10.75	11.50
		50	50	10.59	10.69	10.71	11.50
		100	0	10.45	10.55	10.55	11.50
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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				56265/3652.5	56490/3675	56715/3697.5	
5MHz	QPSK	1	0	21.39	20.89	21.02	22.50
		1	13	21.36	20.80	21.32	22.50
		1	24	21.41	20.86	21.04	22.50
		12	0	20.53	20.06	20.15	21.50
		12	6	20.63	20.22	20.13	21.50
		12	13	20.28	19.97	20.46	21.50

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		25	0	20.35	19.98	20.20	21.50
	16QAM	1	0	20.46	20.17	20.42	21.50
		1	13	20.66	20.11	20.22	21.50
		1	24	20.61	20.05	20.49	21.50
		12	0	19.41	18.99	19.14	20.50
		12	6	19.49	19.05	19.27	20.50
		12	13	19.57	19.06	19.34	20.50
		25	0	19.43	18.92	19.20	20.50
	64QAM	1	0	19.54	19.05	19.78	20.50
		1	13	19.72	19.27	19.14	20.50
		1	24	20.15	19.27	19.33	20.50
		12	0	18.51	18.49	18.32	19.50
		12	6	19.03	18.11	18.27	19.50
		12	13	18.71	18.32	18.18	19.50
		25	0	18.51	18.08	18.52	19.50
	256QAM	1	0	16.72	16.18	16.62	17.50
		1	13	16.84	16.34	16.70	17.50
		1	24	16.80	16.40	16.48	17.50
		12	0	16.62	16.44	16.60	17.50
		12	6	16.94	16.42	16.78	17.50
		12	13	16.60	16.22	16.80	17.50
		25	0	17.00	16.04	16.56	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56290/3655	56490/3675	56690/3695	
10MHz	QPSK	1	0	21.61	20.81	20.96	22.50
		1	25	21.32	20.68	21.20	22.50
		1	49	21.49	20.80	21.06	22.50
		25	0	20.39	20.20	20.05	21.50
		25	13	20.47	19.94	20.37	21.50
		25	25	20.60	19.99	20.22	21.50
		50	0	20.57	19.86	20.16	21.50
	16QAM	1	0	20.40	19.95	20.66	21.50
		1	25	20.44	20.05	20.16	21.50
		1	49	20.77	20.35	20.43	21.50
		25	0	19.53	19.11	19.08	20.50
		25	13	19.61	18.95	19.21	20.50
		25	25	19.47	19.24	19.24	20.50
		50	0	19.59	19.02	19.26	20.50
	64QAM	1	0	19.50	19.01	19.54	20.50
		1	25	19.92	19.09	19.32	20.50
		1	49	19.91	19.41	19.29	20.50
		25	0	18.57	18.23	18.26	19.50
		25	13	18.87	18.19	18.17	19.50

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		25	25	18.65	18.44	18.26	19.50
		50	0	18.57	18.24	18.58	19.50
	256QAM	1	0	16.84	16.22	16.44	17.50
		1	25	16.86	16.22	16.84	17.50
		1	49	17.04	16.28	16.62	17.50
		25	0	16.50	16.58	16.58	17.50
		25	13	16.94	16.48	16.86	17.50
		25	25	16.70	16.08	16.80	17.50
		50	0	16.78	16.30	16.52	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56315/3657.5	56490/3675	56665/3692.5	
15MHz	QPSK	1	0	21.39	20.85	21.04	22.50
		1	38	21.40	20.94	21.10	22.50
		1	74	21.45	20.80	21.32	22.50
		36	0	20.67	20.16	20.13	21.50
		36	18	20.43	20.26	20.09	21.50
		36	39	20.48	20.13	20.46	21.50
		75	0	20.55	20.20	20.12	21.50
	16QAM	1	0	20.64	20.03	20.40	21.50
		1	38	20.60	20.27	20.24	21.50
		1	74	20.65	20.13	20.45	21.50
		36	0	19.59	19.15	19.26	20.50
		36	18	19.51	19.11	19.33	20.50
		36	39	19.35	19.22	19.26	20.50
		75	0	19.37	18.94	19.36	20.50
	64QAM	1	0	19.60	19.17	19.70	20.50
		1	38	19.90	19.31	19.28	20.50
		1	74	20.19	19.25	19.47	20.50
		36	0	18.51	18.47	18.34	19.50
		36	18	18.79	18.01	18.41	19.50
		36	39	18.71	18.42	18.04	19.50
		75	0	18.57	18.22	18.48	19.50
	256QAM	1	0	16.74	16.24	16.58	17.50
		1	38	16.96	16.22	16.70	17.50
		1	74	16.70	16.30	16.40	17.50
		36	0	16.74	16.48	16.54	17.50
		36	18	16.84	16.34	16.70	17.50
		36	39	16.66	16.20	16.98	17.50
		75	0	17.04	16.12	16.58	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56340/3660	56490/3675	56640/3690	
20MHz	QPSK	1	0	21.47	20.89	20.98	22.50
		1	50	21.46	20.86	21.16	22.50

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		1	99	21.41	20.84	21.14	22.50
		50	0	20.49	20.08	20.17	21.50
		50	25	20.53	20.08	20.17	21.50
		50	50	20.38	20.05	20.32	21.50
		100	0	20.43	20.02	20.22	21.50
	16QAM	1	0	20.50	20.13	20.50	21.50
		1	50	20.54	20.21	20.20	21.50
		1	99	20.61	20.15	20.33	21.50
		50	0	19.49	19.09	19.16	20.50
		50	25	19.51	19.05	19.23	20.50
		50	50	19.41	19.04	19.22	20.50
		100	0	19.43	19.02	19.18	20.50
	64QAM	1	0	19.52	19.13	19.72	20.50
		1	50	19.78	19.23	19.12	20.50
		1	99	20.05	19.21	19.29	20.50
		50	0	18.55	18.41	18.20	19.50
		50	25	18.91	18.05	18.25	19.50
		50	50	18.57	18.24	18.10	19.50
		100	0	18.39	18.04	18.40	19.50
	256QAM	1	0	16.72	16.26	16.46	17.50
		1	50	16.80	16.28	16.68	17.50
		1	99	16.82	16.40	16.46	17.50
		50	0	16.60	16.38	16.64	17.50
		50	25	16.90	16.28	16.68	17.50
		50	50	16.62	16.26	16.82	17.50
		100	0	16.90	16.12	16.48	17.50

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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				56265/3652.5	56490/3675	56715/3697.5	
5MHz	QPSK	1	0	12.36	12.49	12.49	13.50
		1	13	12.48	12.54	12.54	13.50
		1	24	12.34	12.44	12.50	13.50
		12	0	12.36	12.46	12.61	13.50
		12	6	12.28	12.44	12.47	13.50
		12	13	12.39	12.48	12.64	13.50
		25	0	12.41	12.59	12.47	13.50
	16QAM	1	0	12.47	12.63	12.68	13.50
		1	13	12.66	12.65	12.67	13.50
		1	24	12.68	12.74	12.87	13.50
		12	0	12.36	12.53	12.59	13.50
		12	6	12.43	12.46	12.45	13.50
12		13	12.71	12.44	12.73	13.50	

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		25	0	12.36	12.50	12.65	13.50
	64QAM	1	0	12.38	12.68	12.59	13.50
		1	13	12.48	12.32	12.63	13.50
		1	24	12.52	12.38	12.73	13.50
		12	0	12.28	12.50	12.47	13.50
		12	6	12.56	12.42	12.47	13.50
		12	13	12.26	12.52	12.69	13.50
		25	0	12.34	12.26	12.59	13.50
	256QAM	1	0	12.38	12.58	12.79	13.50
		1	13	12.48	12.74	12.59	13.50
		1	24	12.50	12.60	12.53	13.50
		12	0	12.44	12.48	12.71	13.50
		12	6	12.56	12.50	12.69	13.50
		12	13	12.30	12.40	12.71	13.50
		25	0	12.54	12.56	12.69	13.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56290/3655	56490/3675	56690/3695	
10MHz	QPSK	1	0	12.40	12.37	12.35	13.50
		1	25	12.42	12.54	12.72	13.50
		1	49	12.54	12.60	12.42	13.50
		25	0	12.38	12.48	12.65	13.50
		25	13	12.40	12.58	12.39	13.50
		25	25	12.49	12.42	12.72	13.50
		50	0	12.57	12.49	12.53	13.50
	16QAM	1	0	12.69	12.89	12.64	13.50
		1	25	12.96	12.55	12.73	13.50
		1	49	12.88	12.78	12.85	13.50
		25	0	12.58	12.49	12.55	13.50
		25	13	12.35	12.42	12.43	13.50
		25	25	12.73	12.68	12.63	13.50
		50	0	12.58	12.60	12.67	13.50
	64QAM	1	0	12.50	12.52	12.33	13.50
		1	25	12.46	12.34	12.57	13.50
		1	49	12.60	12.32	12.59	13.50
		25	0	12.20	12.18	12.33	13.50
		25	13	12.70	12.20	12.63	13.50
		25	25	12.48	12.50	12.41	13.50
		50	0	12.08	12.38	12.55	13.50
	256QAM	1	0	12.22	12.60	12.83	13.50
		1	25	12.42	12.66	12.29	13.50
		1	49	12.58	12.52	12.71	13.50
		25	0	12.32	12.54	12.53	13.50
		25	13	12.68	12.74	12.73	13.50

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		25	25	12.58	12.42	12.57	13.50
		50	0	12.66	12.34	12.65	13.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56315/3657.5	56490/3675	56665/3692.5	
15MHz	QPSK	1	0	12.26	12.37	12.65	13.50
		1	38	12.42	12.50	12.62	13.50
		1	74	12.32	12.46	12.56	13.50
		36	0	12.46	12.50	12.49	13.50
		36	18	12.48	12.42	12.61	13.50
		36	39	12.51	12.38	12.70	13.50
		75	0	12.47	12.37	12.51	13.50
	16QAM	1	0	12.61	12.91	12.56	13.50
		1	38	12.80	12.65	12.81	13.50
		1	74	12.84	12.58	12.61	13.50
		36	0	12.52	12.65	12.55	13.50
		36	18	12.47	12.46	12.69	13.50
		36	39	12.45	12.66	12.69	13.50
		75	0	12.40	12.42	12.51	13.50
	64QAM	1	0	12.28	12.70	12.37	13.50
		1	38	12.46	12.42	12.45	13.50
		1	74	12.42	12.44	12.65	13.50
		36	0	12.34	12.28	12.45	13.50
		36	18	12.42	12.34	12.45	13.50
		36	39	12.46	12.46	12.61	13.50
		75	0	12.40	12.44	12.77	13.50
	256QAM	1	0	12.32	12.66	12.73	13.50
		1	38	12.40	12.74	12.57	13.50
		1	74	12.46	12.40	12.51	13.50
		36	0	12.44	12.46	12.61	13.50
		36	18	12.46	12.46	12.51	13.50
		36	39	12.48	12.36	12.51	13.50
		75	0	12.48	12.66	12.67	13.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				56340/3660	56490/3675	56640/3690	
20MHz	QPSK	1	0	12.38	12.39	12.49	13.50
		1	50	12.55	12.40	12.54	13.50
		1	99	12.38	12.44	12.44	13.50
		50	0	12.42	12.38	12.51	13.50
		50	25	12.34	12.40	12.48	13.50
		50	50	12.57	12.42	12.53	13.50
		100	0	12.41	12.45	12.49	13.50
	16QAM	1	0	12.55	12.73	12.66	13.50
		1	50	12.74	12.59	12.69	13.50

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		1	99	12.66	12.70	12.73	13.50
		50	0	12.42	12.51	12.53	13.50
		50	25	12.45	12.48	12.51	13.50
		50	50	12.57	12.54	12.63	13.50
		100	0	12.36	12.42	12.51	13.50
	64QAM	1	0	12.38	12.54	12.43	13.50
		1	50	12.54	12.30	12.47	13.50
		1	99	12.46	12.46	12.59	13.50
		50	0	12.30	12.34	12.47	13.50
		50	25	12.54	12.38	12.55	13.50
		50	50	12.28	12.46	12.53	13.50
		100	0	12.26	12.30	12.65	13.50
	256QAM	1	0	12.36	12.48	12.65	13.50
		1	50	12.42	12.60	12.45	13.50
		1	99	12.36	12.44	12.57	13.50
		50	0	12.32	12.40	12.59	13.50
		50	25	12.52	12.56	12.57	13.50
		50	50	12.38	12.40	12.55	13.50
		100	0	12.44	12.50	12.67	13.50

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Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	23.23	23.40	23.38	24.00
		1	2	23.28	23.44	23.51	24.00
		1	5	23.22	23.44	23.34	24.00
		3	0	23.24	23.43	23.37	24.00
		3	2	23.24	23.41	23.36	24.00
		3	3	23.22	23.47	23.39	24.00
		6	0	22.27	22.42	22.37	23.00
	16QAM	1	0	22.64	22.78	22.66	23.00
		1	2	22.67	22.82	22.72	23.00
		1	5	22.61	22.84	22.69	23.00
		3	0	22.33	22.59	22.53	23.00
		3	2	22.39	22.57	22.53	23.00
		3	3	22.40	22.54	22.52	23.00
		6	0	21.39	21.53	21.50	22.00
	64QAM	1	0	21.39	21.51	21.53	22.00
		1	2	21.48	21.55	21.64	22.00
		1	5	21.32	21.61	21.48	22.00
		3	0	21.33	21.50	21.49	22.00
		3	2	21.44	21.57	21.50	22.00
		3	3	21.35	21.53	21.44	22.00

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		6	0	20.36	20.49	20.41	21.00
	256QAM	1	0	18.76	18.36	18.20	19.00
		1	2	18.61	18.49	18.41	19.00
		1	5	18.32	18.38	18.04	19.00
		3	0	18.62	18.66	18.32	19.00
		3	2	18.31	18.43	18.43	19.00
		3	3	18.60	18.46	18.48	19.00
		6	0	18.24	18.36	18.78	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				131987/1711.5	132322/1745	132657/1778.5	
3MHz	QPSK	1	0	23.21	23.36	23.30	24.00
		1	7	23.32	23.45	23.45	24.00
		1	14	23.21	23.36	23.37	24.00
		8	0	22.37	22.43	22.37	23.00
		8	4	22.37	22.42	22.45	23.00
		8	7	22.37	22.50	22.44	23.00
		15	0	22.36	22.43	22.38	23.00
	16QAM	1	0	22.60	22.75	22.67	23.00
		1	7	22.78	22.84	22.79	23.00
		1	14	22.52	22.68	22.66	23.00
		8	0	21.46	21.52	21.45	22.00
		8	4	21.45	21.52	21.53	22.00
		8	7	21.47	21.57	21.54	22.00
		15	0	21.41	21.43	21.38	22.00
	64QAM	1	0	21.41	21.60	21.61	22.00
		1	7	21.51	21.70	21.63	22.00
		1	14	21.38	21.59	21.57	22.00
		8	0	20.46	20.44	20.42	21.00
		8	4	20.42	20.48	20.53	21.00
		8	7	20.39	20.55	20.51	21.00
		15	0	20.36	20.45	20.39	21.00
	256QAM	1	0	18.62	18.44	18.28	19.00
		1	7	18.57	18.49	18.29	19.00
		1	14	18.14	18.42	18.04	19.00
		8	0	18.66	18.64	18.40	19.00
		8	4	18.37	18.45	18.25	19.00
		8	7	18.58	18.34	18.38	19.00
		15	0	18.26	18.38	18.68	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				131997/1712.5	132322/1745	132647/1777.5	
5MHz	QPSK	1	0	23.23	23.45	23.43	24.00
		1	13	23.38	23.53	23.45	24.00
		1	24	23.28	23.44	23.40	24.00

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		12	0	22.34	22.47	22.51	23.00
		12	6	22.36	22.47	22.50	23.00
		12	13	22.38	22.52	22.47	23.00
		25	0	22.35	22.45	22.46	23.00
	16QAM	1	0	22.62	22.72	22.76	23.00
		1	13	22.78	22.95	22.72	23.00
		1	24	22.53	22.88	22.67	23.00
		12	0	21.39	21.53	21.54	22.00
		12	6	21.41	21.53	21.51	22.00
		12	13	21.45	21.56	21.49	22.00
		25	0	21.41	21.49	21.48	22.00
	64QAM	1	0	21.50	21.73	21.51	22.00
		1	13	21.50	21.59	21.70	22.00
		1	24	21.38	21.56	21.56	22.00
		12	0	20.36	20.51	20.48	21.00
		12	6	20.45	20.45	20.51	21.00
		12	13	20.44	20.58	20.47	21.00
		25	0	20.38	20.45	20.49	21.00
	256QAM	1	0	18.50	18.46	18.52	19.00
		1	13	18.47	18.43	18.49	19.00
		1	24	18.34	18.36	18.48	19.00
		12	0	18.54	18.34	18.46	19.00
		12	6	18.61	18.59	18.71	19.00
		12	13	18.40	18.46	18.36	19.00
		25	0	18.52	18.44	18.52	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132022/1715	132322/1745	132622/1775	
10MHz	QPSK	1	0	23.31	23.46	23.47	24.00
		1	25	23.34	23.52	23.47	24.00
		1	49	23.28	23.43	23.49	24.00
		25	0	22.37	22.50	22.43	23.00
		25	13	22.45	22.51	22.51	23.00
		25	25	22.42	22.52	22.47	23.00
		50	0	22.46	22.48	22.52	23.00
	16QAM	1	0	22.68	22.89	22.83	23.00
		1	25	22.71	22.79	22.74	23.00
		1	49	22.64	22.74	22.61	23.00
		25	0	21.43	21.49	21.44	22.00
		25	13	21.48	21.51	21.54	22.00
		25	25	21.42	21.55	21.52	22.00
		50	0	21.48	21.51	21.53	22.00
	64QAM	1	0	21.53	21.67	21.62	22.00
		1	25	21.43	21.64	21.68	22.00

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		1	49	21.42	21.63	21.59	22.00
		25	0	20.40	20.49	20.47	21.00
		25	13	20.47	20.53	20.58	21.00
		25	25	20.42	20.56	20.49	21.00
		50	0	20.48	20.49	20.54	21.00
	256QAM	1	0	18.36	18.50	18.52	19.00
		1	25	18.43	18.53	18.33	19.00
		1	49	18.20	18.28	18.24	19.00
		25	0	18.24	18.32	18.36	19.00
		25	13	18.43	18.61	18.47	19.00
		25	25	18.26	18.38	18.44	19.00
		50	0	18.36	18.46	18.22	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132047/1717.5	132322/1745	132597/1772.5	
15MHz	QPSK	1	0	23.56	23.65	23.68	24.00
		1	38	23.49	23.58	23.59	24.00
		1	74	23.39	23.62	23.52	24.00
		36	0	22.38	22.55	22.53	23.00
		36	18	22.44	22.53	22.48	23.00
		36	39	22.39	22.57	22.51	23.00
		75	0	22.40	22.50	22.47	23.00
	16QAM	1	0	22.76	22.90	22.89	23.00
		1	38	22.70	22.78	22.69	23.00
		1	74	22.67	22.83	22.72	23.00
		36	0	21.38	21.50	21.50	22.00
		36	18	21.49	21.52	21.52	22.00
		36	39	21.40	21.57	21.51	22.00
		75	0	21.43	21.50	21.47	22.00
	64QAM	1	0	21.70	21.80	21.67	22.00
		1	38	21.66	21.83	21.79	22.00
		1	74	21.45	21.64	21.64	22.00
		36	0	20.39	20.53	20.51	21.00
		36	18	20.42	20.53	20.49	21.00
		36	39	20.42	20.57	20.53	21.00
		75	0	20.44	20.49	20.49	21.00
	256QAM	1	0	18.42	18.66	18.64	19.00
		1	38	18.47	18.61	18.31	19.00
		1	74	18.26	18.40	18.28	19.00
		36	0	18.32	18.52	18.40	19.00
		36	18	18.57	18.71	18.45	19.00
		36	39	18.52	18.40	18.40	19.00
		75	0	18.52	18.40	18.40	19.00
Bandwidth	Modulation	RB	Offset	Channel/Frequency(MHz)			Tune-up

		Allocation		132072/1720	132322/1745	132572/1770	
20MHz	QPSK	1	0	23.59	23.67	23.86	24.00
		1	50	23.48	23.66	23.60	24.00
		1	99	23.43	23.66	23.59	24.00
		50	0	22.41	22.57	22.53	23.00
		50	25	22.45	22.52	22.52	23.00
		50	50	22.41	22.55	22.51	23.00
		100	0	22.43	22.50	22.49	23.00
	16QAM	1	0	22.56	22.84	22.87	23.00
		1	50	22.68	22.72	22.76	23.00
		1	99	22.66	22.73	22.68	23.00
		50	0	21.38	21.58	21.55	22.00
		50	25	21.44	21.52	21.51	22.00
		50	50	21.43	21.58	21.54	22.00
		100	0	21.45	21.52	21.48	22.00
	64QAM	1	0	21.62	21.75	21.61	22.00
		1	50	21.49	21.63	21.80	22.00
		1	99	21.58	21.54	21.73	22.00
		50	0	20.42	20.56	20.49	21.00
		50	25	20.45	20.57	20.51	21.00
		50	50	20.42	20.56	20.53	21.00
		100	0	20.38	20.49	20.47	21.00
	256QAM	1	0	18.42	18.44	18.64	19.00
		1	50	18.35	18.37	18.39	19.00
		1	99	18.26	18.32	18.18	19.00
		50	0	18.30	18.32	18.28	19.00
		50	25	18.53	18.59	18.49	19.00
		50	50	18.56	18.28	18.62	19.00
		100	0	18.54	18.52	18.26	19.00
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Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	17.07	16.81	16.77	17.50
		1	2	16.85	16.81	16.73	17.50
		1	5	16.53	17.03	16.83	17.50
		3	0	16.99	17.13	16.95	17.50
		3	2	16.83	16.93	16.85	17.50
		3	3	16.87	16.99	16.95	17.50
		6	0	16.75	17.17	16.93	17.50
	16QAM	1	0	17.13	16.99	16.55	17.50
		1	2	16.83	16.75	16.73	17.50
		1	5	16.79	16.75	17.31	17.50

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		3	0	16.59	16.95	16.75	17.50
		3	2	17.05	16.91	16.83	17.50
		3	3	16.83	17.33	16.69	17.50
		6	0	16.79	16.89	16.97	17.50
	64QAM	1	0	16.63	16.75	16.47	17.50
		1	2	16.93	17.05	16.77	17.50
		1	5	16.73	16.85	16.97	17.50
		3	0	16.69	17.07	16.77	17.50
		3	2	16.97	16.81	16.87	17.50
		3	3	16.61	16.71	16.85	17.50
		6	0	16.75	16.65	17.13	17.50
	256QAM	1	0	17.19	16.79	17.05	17.50
		1	2	16.99	16.99	16.55	17.50
		1	5	16.61	17.21	16.79	17.50
		3	0	16.81	16.77	17.13	17.50
		3	2	16.97	16.69	17.13	17.50
		3	3	16.87	16.79	16.85	17.50
		6	0	16.57	17.17	17.03	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				131987/1711.5	132322/1745	132657/1778.5	
3MHz	QPSK	1	0	16.97	16.77	16.89	17.50
		1	7	16.87	16.87	16.67	17.50
		1	14	16.63	17.13	16.85	17.50
		8	0	16.91	16.95	16.95	17.50
		8	4	16.83	16.81	16.97	17.50
		8	7	16.91	16.93	16.83	17.50
		15	0	16.67	17.13	16.85	17.50
	16QAM	1	0	17.03	16.95	16.55	17.50
		1	7	16.83	16.85	16.71	17.50
		1	14	16.77	16.59	17.13	17.50
		8	0	16.55	16.89	16.87	17.50
		8	4	17.11	16.83	16.71	17.50
		8	7	16.81	17.19	16.71	17.50
		15	0	16.91	16.73	16.81	17.50
	64QAM	1	0	16.57	16.87	16.59	17.50
		1	7	16.79	16.91	16.89	17.50
		1	14	16.81	16.93	16.85	17.50
		8	0	16.69	17.01	16.89	17.50
		8	4	16.97	16.67	16.97	17.50
		8	7	16.69	16.73	16.81	17.50
		15	0	16.59	16.63	17.07	17.50
	256QAM	1	0	17.11	17.11	16.77	17.50
		1	7	16.71	16.69	16.73	17.50

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		1	14	16.75	16.45	16.97	17.50
		8	0	16.71	17.05	16.81	17.50
		8	4	17.07	16.91	16.71	17.50
		8	7	16.63	17.33	16.75	17.50
		15	0	16.83	16.61	17.03	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				131997/1712.5	132322/1745	132647/1777.5	
5MHz	QPSK	1	0	16.97	16.91	16.91	17.50
		1	13	16.81	16.97	16.95	17.50
		1	24	16.83	16.93	16.83	17.50
		12	0	16.93	16.95	16.85	17.50
		12	6	16.91	16.99	16.77	17.50
		12	13	16.75	16.75	16.79	17.50
		25	0	16.85	16.79	16.99	17.50
	16QAM	1	0	16.87	16.89	16.91	17.50
		1	13	16.99	16.77	16.79	17.50
		1	24	16.87	16.93	16.81	17.50
		12	0	16.91	16.75	16.81	17.50
		12	6	16.75	16.87	16.79	17.50
		12	13	16.85	16.87	16.77	17.50
		25	0	16.77	16.85	16.99	17.50
	64QAM	1	0	16.85	16.95	16.93	17.50
		1	13	16.97	16.89	16.83	17.50
		1	24	16.87	16.87	16.99	17.50
		12	0	16.89	16.97	16.97	17.50
		12	6	16.87	16.83	16.99	17.50
		12	13	16.75	16.99	16.83	17.50
		25	0	16.85	16.91	16.81	17.50
	256QAM	1	0	16.55	17.09	16.81	17.50
		1	13	17.01	16.79	16.83	17.50
		1	24	16.67	16.75	17.05	17.50
		12	0	16.51	16.89	16.89	17.50
		12	6	17.15	16.67	17.07	17.50
		12	13	16.67	16.65	16.77	17.50
		25	0	16.63	16.59	17.17	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132022/1715	132322/1745	132622/1775	
10MHz	QPSK	1	0	17.21	17.21	17.21	17.50
		1	25	17.13	17.29	17.33	17.50
		1	49	17.35	17.13	17.07	17.50
		25	0	17.31	17.29	17.13	17.50
		25	13	17.17	17.15	17.21	17.50
		25	25	17.23	17.15	17.21	17.50

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		50	0	17.17	17.33	17.35	17.50
	16QAM	1	0	17.11	17.19	17.17	17.50
		1	25	17.17	17.29	17.25	17.50
		1	49	17.25	17.07	17.31	17.50
		25	0	17.11	17.33	17.05	17.50
		25	13	17.27	17.23	17.19	17.50
		25	25	17.19	17.33	17.13	17.50
		50	0	17.13	17.21	17.19	17.50
	64QAM	1	0	17.21	17.05	17.09	17.50
		1	25	17.21	17.33	17.11	17.50
		1	49	17.33	17.07	17.23	17.50
		25	0	17.17	17.21	17.23	17.50
		25	13	17.35	17.15	17.31	17.50
		25	25	17.13	17.05	17.05	17.50
		50	0	17.21	17.31	17.25	17.50
	256QAM	1	0	17.31	17.07	17.27	17.50
		1	25	17.27	17.27	17.11	17.50
		1	49	17.01	17.37	17.15	17.50
		25	0	17.19	17.19	17.37	17.50
		25	13	17.11	17.05	17.43	17.50
		25	25	17.41	17.13	17.05	17.50
		50	0	17.13	17.37	17.33	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132047/1717.5	132322/1745	132597/1772.5	
15MHz	QPSK	1	0	17.29	17.39	17.47	17.50
		1	38	17.43	17.27	17.35	17.50
		1	74	17.23	17.41	17.15	17.50
		36	0	17.13	17.15	17.09	17.50
		36	18	17.47	17.21	17.23	17.50
		36	39	17.27	17.11	17.21	17.50
		75	0	17.33	17.41	17.31	17.50
	16QAM	1	0	17.35	17.27	17.29	17.50
		1	38	17.45	17.29	17.23	17.50
		1	74	17.15	17.45	17.33	17.50
		36	0	17.27	17.47	17.11	17.50
		36	18	17.43	17.13	17.13	17.50
		36	39	17.13	17.27	17.25	17.50
		75	0	17.29	17.23	17.15	17.50
	64QAM	1	0	17.35	17.45	17.45	17.50
		1	38	17.37	17.17	17.23	17.50
		1	74	17.11	17.47	17.43	17.50
		36	0	17.13	17.29	17.11	17.50
		36	18	17.39	17.13	17.23	17.50

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		36	39	17.47	17.19	17.27	17.50
		75	0	17.33	17.39	17.17	17.50
	256QAM	1	0	16.99	17.29	16.97	17.50
		1	38	17.01	17.41	17.39	17.50
		1	74	17.09	17.25	17.21	17.50
		36	0	16.93	17.45	17.37	17.50
		36	18	17.19	17.09	17.17	17.50
		36	39	16.89	17.13	17.13	17.50
		75	0	17.03	16.83	17.17	17.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				132072/1720	132322/1745	132572/1770	
20MHz	QPSK	1	0	17.37	17.15	17.39	17.50
		1	50	17.30	17.23	17.17	17.50
		1	99	17.21	17.30	17.35	17.50
		50	0	17.21	17.33	17.23	17.50
		50	25	17.29	17.29	17.29	17.50
		50	50	17.33	17.21	17.19	17.50
		100	0	17.19	17.43	17.25	17.50
	16QAM	1	0	17.35	17.21	17.15	17.50
		1	50	17.13	17.37	17.27	17.50
		1	99	17.27	17.19	17.41	17.50
		50	0	17.15	17.13	17.21	17.50
		50	25	17.43	17.37	17.35	17.50
		50	50	17.31	17.43	17.21	17.50
		100	0	17.19	17.35	17.27	17.50
	64QAM	1	0	17.17	17.43	17.15	17.50
		1	50	17.39	17.29	17.19	17.50
		1	99	17.33	17.17	17.43	17.50
		50	0	17.27	17.43	17.39	17.50
		50	25	17.25	17.17	17.25	17.50
		50	50	17.31	17.29	17.37	17.50
		100	0	17.21	17.13	17.43	17.50
	256QAM	1	0	17.27	17.15	17.41	17.50
		1	50	17.35	17.43	17.15	17.50
		1	99	16.97	17.23	17.15	17.50
		50	0	17.43	17.39	17.47	17.50
		50	25	17.35	17.27	17.27	17.50
		50	50	17.45	17.25	17.15	17.50
		100	0	17.05	17.43	17.33	17.50
LTE B70							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				132997/1697.5	133047/1702.5	133097/1707.5	

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5MHz	QPSK	1	0	22.70	22.94	22.90	24.00
		1	13	22.88	22.84	22.82	24.00
		1	24	22.84	22.86	22.96	24.00
		12	0	22.09	21.99	21.99	23.00
		12	6	22.11	21.85	21.99	23.00
		12	13	22.11	22.17	22.09	23.00
		25	0	22.17	22.15	21.87	23.00
	16QAM	1	0	22.00	21.98	22.08	23.00
		1	13	22.11	22.09	22.39	23.00
		1	24	22.16	22.34	22.46	23.00
		12	0	21.10	21.22	21.24	22.00
		12	6	21.14	21.12	21.10	22.00
		12	13	20.97	21.05	20.97	22.00
		25	0	20.96	20.90	21.20	22.00
	64QAM	1	0	21.37	21.33	21.19	22.00
		1	13	21.18	21.18	21.26	22.00
		1	24	21.39	21.31	21.23	22.00
		12	0	20.12	20.12	20.06	21.00
		12	6	20.19	20.03	20.29	21.00
		12	13	20.08	20.20	20.38	21.00
		25	0	20.48	20.12	20.46	21.00
	256QAM	1	0	18.17	18.25	17.97	19.00
		1	13	18.77	18.77	18.47	19.00
		1	24	18.13	18.27	18.31	19.00
		12	0	18.21	18.27	18.45	19.00
		12	6	17.93	18.03	17.79	19.00
		12	13	18.55	18.55	18.31	19.00
		25	0	18.65	18.69	18.73	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133022/1700	133047/1702.5	133072/1705	
10MHz	QPSK	1	0	22.64	22.72	22.78	24.00
		1	25	22.64	22.74	22.66	24.00
		1	49	22.96	23.02	22.80	24.00
		25	0	21.81	21.95	21.81	23.00
		25	13	22.07	22.05	22.03	23.00
		25	25	21.89	21.93	21.99	23.00
		50	0	22.11	22.11	22.07	23.00
	16QAM	1	0	22.34	22.26	22.08	23.00
		1	25	22.09	22.07	22.13	23.00
		1	49	22.34	22.32	22.38	23.00
		25	0	20.90	21.02	21.08	22.00
		25	13	21.38	21.10	21.38	22.00
		25	25	21.07	21.13	21.01	22.00

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		50	0	21.20	21.18	20.92	22.00
	64QAM	1	0	21.29	21.17	21.39	22.00
		1	13	21.36	21.46	21.22	22.00
		1	24	21.19	21.21	21.19	22.00
		12	0	20.22	19.94	19.96	21.00
		12	6	20.07	20.07	20.25	21.00
		12	13	20.24	20.26	20.16	21.00
		25	0	20.18	20.16	20.18	21.00
	256QAM	1	0	18.03	18.09	18.27	19.00
		1	13	18.73	18.61	18.63	19.00
		1	24	18.23	18.39	18.23	19.00
		12	0	18.39	18.31	18.35	19.00
		12	6	18.11	17.91	18.11	19.00
		12	13	18.43	18.25	18.33	19.00
		25	0	18.51	18.55	18.39	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	133047/1702.5	/	
15MHz	QPSK	1	0	/	22.76	/	24.00
		1	38	/	22.70	/	24.00
		1	74	/	22.90	/	24.00
		36	0	/	21.91	/	23.00
		36	18	/	21.95	/	23.00
		36	39	/	21.97	/	23.00
		75	0	/	22.03	/	23.00
	16QAM	1	0	/	22.16	/	23.00
		1	38	/	22.19	/	23.00
		1	74	/	22.24	/	23.00
		36	0	/	21.02	/	22.00
		36	18	/	21.20	/	22.00
		36	39	/	21.01	/	22.00
		75	0	/	21.04	/	22.00
	64QAM	1	0	/	21.23	/	22.00
		1	13	/	21.28	/	22.00
		1	24	/	21.17	/	22.00
		12	0	/	20.04	/	21.00
		12	6	/	20.15	/	21.00
		12	13	/	20.20	/	21.00
		25	0	/	20.26	/	21.00
	256QAM	1	0	/	18.11	/	19.00
		1	13	/	18.59	/	19.00
		1	24	/	18.27	/	19.00
		12	0	/	18.29	/	19.00
		12	6	/	17.93	/	19.00

		12	13	/	18.33	/	19.00
		25	0	/	18.51	/	19.00
LTE B70							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				132997/1697.5	133047/1702.5	133097/1707.5	
5MHz	QPSK	1	0	17.49	17.45	17.29	18.00
		1	13	17.41	17.49	17.43	18.00
		1	24	17.59	17.29	17.25	18.00
		12	0	17.52	17.28	17.52	18.00
		12	6	17.52	17.12	17.44	18.00
		12	13	17.35	17.39	17.25	18.00
		25	0	17.68	17.50	17.48	18.00
	16QAM	1	0	17.62	17.52	17.72	18.00
		1	13	17.78	17.90	17.64	18.00
		1	24	17.76	17.80	17.60	18.00
		12	0	17.70	17.62	17.44	18.00
		12	6	17.77	17.51	17.57	18.00
		12	13	17.56	17.32	17.44	18.00
		25	0	17.52	17.70	17.36	18.00
	64QAM	1	0	17.50	17.36	17.30	18.00
		1	13	17.44	17.20	17.44	18.00
		1	24	17.08	17.34	17.18	18.00
		12	0	16.98	17.12	17.38	18.00
		12	6	17.03	16.81	16.99	18.00
		12	13	16.90	17.06	17.00	18.00
		25	0	17.20	17.02	17.20	18.00
	256QAM	1	0	17.18	17.04	17.20	18.00
		1	13	17.28	17.26	17.32	18.00
		1	24	17.34	17.42	17.24	18.00
		12	0	17.18	16.90	16.96	18.00
		12	6	17.05	17.25	17.03	18.00
		12	13	16.96	17.12	17.16	18.00
		25	0	17.20	16.84	17.06	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133022/1700	133047/1702.5	133072/1705	
10MHz	QPSK	1	0	17.23	17.29	17.21	18.00
		1	25	17.29	17.45	17.25	18.00
		1	49	17.29	17.45	17.39	18.00
		25	0	17.48	17.52	17.48	18.00
		25	13	17.38	17.20	17.20	18.00
		25	25	17.47	17.45	17.47	18.00
		50	0	17.36	17.38	17.52	18.00

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	16QAM	1	0	17.54	17.84	17.80	18.00
		1	25	17.96	17.92	17.76	18.00
		1	49	17.84	17.80	17.66	18.00
		25	0	17.46	17.64	17.64	18.00
		25	13	17.61	17.47	17.55	18.00
		25	25	17.68	17.58	17.68	18.00
		50	0	17.48	17.62	17.38	18.00
	64QAM	1	0	17.30	17.44	17.42	18.00
		1	13	17.24	17.24	17.30	18.00
		1	24	17.32	17.26	17.16	18.00
		12	0	17.10	17.18	17.10	18.00
		12	6	17.09	16.89	17.07	18.00
		12	13	16.92	16.94	16.90	18.00
		25	0	17.10	17.00	17.08	18.00
	256QAM	1	0	17.12	17.20	17.16	18.00
		1	13	17.40	17.54	17.56	18.00
		1	24	17.40	17.50	17.58	18.00
		12	0	16.96	16.94	17.12	18.00
		12	6	17.19	17.05	16.91	18.00
		12	13	17.12	17.04	16.88	18.00
		25	0	16.92	16.94	17.06	18.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				/	133047/1702.5	/	
15MHz	QPSK	1	0	/	17.33	/	18.00
		1	38	/	17.27	/	18.00
		1	74	/	17.39	/	18.00
		36	0	/	17.40	/	18.00
		36	18	/	17.30	/	18.00
		36	39	/	17.37	/	18.00
		75	0	/	17.46	/	18.00
	16QAM	1	0	/	17.66	/	18.00
		1	38	/	17.78	/	18.00
		1	74	/	17.88	/	18.00
		36	0	/	17.52	/	18.00
		36	18	/	17.55	/	18.00
		36	39	/	17.50	/	18.00
		75	0	/	17.48	/	18.00
	64QAM	1	0	/	17.32	/	18.00
		1	13	/	17.26	/	18.00
		1	24	/	17.26	/	18.00
		12	0	/	17.16	/	18.00
		12	6	/	16.93	/	18.00
		12	13	/	16.88	/	18.00

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		25	0	/	17.04	/	18.00
	256QAM	1	0	/	17.14	/	18.00
		1	13	/	17.40	/	18.00
		1	24	/	17.42	/	18.00
		12	0	/	16.98	/	18.00
		12	6	/	17.03	/	18.00
		12	13	/	16.94	/	18.00
		25	0	/	16.98	/	18.00
LTE B71							
Full Power & Sensor off--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				133147/665.5	133297/680.5	133447/695.5	
5MHz	QPSK	1	0	23.41	23.18	23.25	24.00
		1	13	23.33	23.16	23.34	24.00
		1	24	23.31	23.15	23.33	24.00
		12	0	22.40	22.16	22.26	23.00
		12	6	22.37	22.21	22.32	23.00
		12	13	22.32	22.17	22.28	23.00
		25	0	22.38	22.22	22.28	23.00
	16QAM	1	0	22.77	22.60	22.50	23.00
		1	13	22.88	22.76	22.55	23.00
		1	24	22.59	22.73	22.65	23.00
		12	0	21.53	21.19	21.29	22.00
		12	6	21.46	21.27	21.37	22.00
		12	13	21.39	21.23	21.29	22.00
		25	0	21.33	21.19	21.31	22.00
	64QAM	1	0	21.25	21.21	21.33	22.00
		1	13	21.26	21.28	21.18	22.00
		1	24	21.03	21.11	21.17	22.00
		12	0	20.55	20.41	20.45	21.00
		12	6	20.37	20.41	20.45	21.00
		12	13	20.46	20.28	20.44	21.00
		25	0	20.26	20.28	20.36	21.00
	256QAM	1	0	18.21	18.35	18.33	19.00
		1	13	18.07	18.17	18.27	19.00
		1	24	18.45	18.59	18.51	19.00
		12	0	18.49	18.35	18.37	19.00
		12	6	18.37	18.27	18.37	19.00
		12	13	18.27	18.25	18.25	19.00
		25	0	18.45	18.59	18.39	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133172/668	133297/680.5	133422/693	
10MHz	QPSK	1	0	23.26	23.12	23.12	24.00

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		1	25	23.16	23.14	23.24	24.00
		1	49	23.12	23.11	23.28	24.00
		25	0	22.21	22.22	22.26	23.00
		25	13	22.30	22.26	22.32	23.00
		25	25	22.28	22.20	22.40	23.00
		50	0	22.31	22.25	22.36	23.00
	16QAM	1	0	22.58	22.49	22.41	23.00
		1	25	22.43	22.55	22.55	23.00
		1	49	22.45	22.58	22.74	23.00
		25	0	21.56	21.24	21.31	22.00
		25	13	21.37	21.28	21.33	22.00
		25	25	21.27	21.27	21.39	22.00
		50	0	21.37	21.31	21.37	22.00
	64QAM	1	0	21.19	21.11	21.19	22.00
		1	25	21.24	20.96	21.24	22.00
		1	49	21.07	21.05	20.85	22.00
		25	0	20.39	20.39	20.29	21.00
		25	13	20.43	20.39	20.37	21.00
		25	25	20.34	20.22	20.24	21.00
		50	0	20.40	20.20	20.12	21.00
	256QAM	1	0	18.33	18.11	18.33	19.00
		1	25	18.25	18.25	18.21	19.00
		1	49	18.47	18.49	18.57	19.00
		25	0	18.19	18.47	18.35	19.00
		25	13	18.23	18.21	18.29	19.00
		25	25	18.37	18.17	18.41	19.00
		50	0	18.47	18.51	18.43	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133197/670.5	133297/680.5	133397/690.5	
15MHz	QPSK	1	0	23.37	23.29	23.15	24.00
		1	38	23.32	23.22	23.31	24.00
		1	74	23.19	23.20	23.31	24.00
		36	0	22.29	22.17	22.28	23.00
		36	18	22.34	22.29	22.30	23.00
		36	39	22.34	22.21	22.43	23.00
		75	0	22.34	22.26	22.25	23.00
	16QAM	1	0	22.49	22.53	22.52	23.00
		1	38	22.57	22.71	22.66	23.00
		1	74	22.41	22.60	22.69	23.00
		36	0	21.38	21.30	21.32	22.00
		36	18	21.38	21.36	21.29	22.00
		36	39	21.41	21.36	21.34	22.00
		75	0	21.43	21.33	21.30	22.00

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	64QAM	1	0	21.33	21.49	21.37	22.00
		1	38	21.32	21.10	20.96	22.00
		1	74	21.07	20.85	21.19	22.00
		36	0	20.51	20.63	20.31	21.00
		36	18	20.55	20.45	20.21	21.00
		36	39	20.18	20.18	20.22	21.00
		75	0	20.20	20.22	20.52	21.00
	256QAM	1	0	18.43	18.13	18.37	19.00
		1	38	17.99	18.21	18.27	19.00
		1	74	18.63	18.57	18.57	19.00
		36	0	18.39	18.37	18.47	19.00
		36	18	18.47	18.23	18.33	19.00
		36	39	18.19	18.31	18.17	19.00
		75	0	18.35	18.43	18.47	19.00
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133222/673	133322/683	133372/688	
20MHz	QPSK	1	0	23.44	23.23	23.19	24.00
		1	50	23.22	23.19	23.29	24.00
		1	99	23.20	23.30	23.40	24.00
		50	0	22.32	22.28	22.24	23.00
		50	25	22.40	22.28	22.28	23.00
		50	50	22.27	22.34	22.39	23.00
		100	0	22.40	22.37	22.32	23.00
	16QAM	1	0	22.69	22.58	22.57	23.00
		1	50	22.45	22.57	22.57	23.00
		1	99	22.32	22.76	22.69	23.00
		50	0	21.40	21.31	21.27	22.00
		50	25	21.37	21.36	21.32	22.00
		50	50	21.33	21.33	21.36	22.00
		100	0	21.35	21.36	21.32	22.00
	64QAM	1	0	21.17	21.35	21.25	22.00
		1	50	21.16	21.18	21.32	22.00
		1	99	21.07	20.91	21.09	22.00
		50	0	20.49	20.33	20.49	21.00
		50	25	20.35	20.47	20.27	21.00
		50	50	20.44	20.34	20.28	21.00
		100	0	20.30	20.22	20.48	21.00
	256QAM	1	0	18.21	18.25	18.37	19.00
		1	50	18.29	18.25	18.17	19.00
		1	99	18.63	18.55	18.49	19.00
		50	0	18.27	18.39	18.29	19.00
		50	25	18.45	18.55	18.29	19.00
		50	50	18.43	18.51	18.39	19.00

		100	0	18.47	18.51	18.41	19.00
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Sensor on--Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			
				133147/665.5	133297/680.5	133447/695.5	
5MHz	QPSK	1	0	17.68	17.69	17.30	18.50
		1	13	17.45	17.66	17.65	18.50
		1	24	17.55	17.48	17.53	18.50
		12	0	17.73	17.63	17.46	18.50
		12	6	17.73	17.50	17.47	18.50
		12	13	17.58	17.78	17.56	18.50
		25	0	17.60	17.78	17.77	18.50
	16QAM	1	0	17.60	17.72	17.63	18.50
		1	13	17.45	17.46	17.47	18.50
		1	24	17.63	17.74	17.80	18.50
		12	0	17.57	17.34	17.43	18.50
		12	6	17.71	17.50	17.73	18.50
		12	13	17.79	17.76	17.52	18.50
		25	0	17.61	17.53	17.44	18.50
	64QAM	1	0	17.65	17.63	17.48	18.50
		1	13	17.75	17.47	17.66	18.50
		1	24	17.83	17.63	17.68	18.50
		12	0	17.69	17.47	17.46	18.50
		12	6	17.91	17.65	17.48	18.50
		12	13	17.55	17.61	17.60	18.50
		25	0	17.67	17.57	17.78	18.50
	256QAM	1	0	17.83	17.47	17.46	18.50
		1	13	17.69	17.61	17.56	18.50
		1	24	17.83	17.69	17.68	18.50
		12	0	17.77	17.43	17.58	18.50
		12	6	17.91	17.75	17.76	18.50
		12	13	17.81	17.71	17.56	18.50
		25	0	17.73	17.49	17.66	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133172/668	133297/680.5	133422/693	
10MHz	QPSK	1	0	17.44	17.47	17.52	18.50
		1	25	17.43	17.70	17.79	18.50
		1	49	17.63	17.48	17.37	18.50
		25	0	17.69	17.41	17.70	18.50
		25	13	17.65	17.24	17.47	18.50
		25	25	17.72	17.74	17.68	18.50
		50	0	17.72	17.58	17.47	18.50
	16QAM	1	0	17.50	17.74	17.69	18.50

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		1	25	17.41	17.44	17.63	18.50
		1	49	17.59	17.52	17.66	18.50
		25	0	17.79	17.50	17.35	18.50
		25	13	17.89	17.26	17.51	18.50
		25	25	17.83	17.80	17.70	18.50
		50	0	17.59	17.43	17.68	18.50
	64QAM	1	0	17.65	17.57	17.74	18.50
		1	25	17.75	17.35	17.56	18.50
		1	49	17.89	17.45	17.56	18.50
		25	0	17.65	17.69	17.72	18.50
		25	13	17.91	17.45	17.34	18.50
		25	25	17.55	17.53	17.80	18.50
	256QAM	50	0	17.91	17.69	17.68	18.50
		1	0	17.53	17.57	17.68	18.50
		1	25	17.45	17.69	17.42	18.50
		1	49	18.03	17.83	17.74	18.50
		25	0	17.83	17.35	17.64	18.50
		25	13	17.69	17.57	17.52	18.50
		25	25	17.63	17.91	17.78	18.50
		50	0	17.55	17.53	17.54	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133197/670.5	133297/680.5	133397/690.5	
15MHz	QPSK	1	0	17.62	17.51	17.52	18.50
		1	38	17.61	17.46	17.61	18.50
		1	74	17.53	17.64	17.59	18.50
		36	0	17.63	17.53	17.74	18.50
		36	18	17.53	17.42	17.41	18.50
		36	39	17.78	17.52	17.72	18.50
		75	0	17.76	17.72	17.71	18.50
	16QAM	1	0	17.68	17.88	17.73	18.50
		1	38	17.45	17.38	17.63	18.50
		1	74	17.67	17.52	17.88	18.50
		36	0	17.77	17.54	17.45	18.50
		36	18	17.75	17.38	17.75	18.50
		36	39	17.53	17.76	17.60	18.50
		75	0	17.71	17.73	17.56	18.50
	64QAM	1	0	17.85	17.89	17.68	18.50
		1	38	17.93	17.57	17.52	18.50
		1	74	17.77	17.57	17.86	18.50
		36	0	17.71	17.55	17.62	18.50
		36	18	17.93	17.59	17.60	18.50
		36	39	17.55	17.59	17.60	18.50
		75	0	17.67	17.51	17.64	18.50

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	256QAM	1	0	17.79	17.49	17.68	18.50
		1	38	17.49	17.55	17.70	18.50
		1	74	17.77	17.69	17.70	18.50
		36	0	17.95	17.37	17.72	18.50
		36	18	17.97	17.51	17.84	18.50
		36	39	17.79	17.91	17.66	18.50
		75	0	17.53	17.55	17.56	18.50
Bandwidth	Modulation	RB Allocation	Offset	Channel/Frequency(MHz)			Tune-up
				133222/673	133322/683	133372/688	
20MHz	QPSK	1	0	17.58	17.92	17.38	18.50
		1	50	17.45	17.52	17.73	18.50
		1	99	17.51	17.48	17.55	18.50
		50	0	17.63	17.55	17.56	18.50
		50	25	17.75	17.42	17.39	18.50
		50	50	17.64	17.64	17.66	18.50
		100	0	17.60	17.68	17.61	18.50
	16QAM	1	0	17.62	17.70	17.73	18.50
		1	50	17.53	17.34	17.55	18.50
		1	99	17.57	17.62	17.70	18.50
		50	0	17.67	17.42	17.51	18.50
		50	25	17.73	17.40	17.69	18.50
		50	50	17.65	17.66	17.60	18.50
		100	0	17.69	17.61	17.54	18.50
	64QAM	1	0	17.75	17.73	17.52	18.50
		1	50	17.77	17.51	17.58	18.50
		1	99	17.87	17.53	17.70	18.50
		50	0	17.77	17.53	17.52	18.50
		50	25	17.79	17.61	17.52	18.50
		50	50	17.59	17.53	17.60	18.50
		100	0	17.77	17.57	17.66	18.50
	256QAM	1	0	17.71	17.53	17.56	18.50
		1	50	17.59	17.67	17.54	18.50
		1	99	17.81	17.67	17.56	18.50
		50	0	17.83	17.49	17.56	18.50
		50	25	17.83	17.61	17.70	18.50
		50	50	17.77	17.73	17.58	18.50
		100	0	17.59	17.57	17.50	18.50

9.2 NR Mode

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS 138.521-1 specification.

The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 and Table 6.2.2-2 and Table 6.2.2.3-2 of the 3GPP TS138.521-1.

Table 6.2.2.3-1: Maximum Power Reduction (MPR) for Power 3

Modulation	MPR (dB)		
	Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM PI/2 BPSK	$\leq 3.5^1$	$\leq 1.2^1$	$\leq 0.2^1$
	$\leq 0.5^2$		0 ²
DFT-s-OFDM QPSK	≤ 1		0
DFT-s-OFDM 16 QAM	≤ 2		≤ 1
DFT-s-OFDM 64 QAM		≤ 2.5	
DFT-s-OFDM 256 QAM		≤ 4.5	
CP-OFDM QPSK	≤ 3		≤ 1.5
CP-OFDM 16 QAM	≤ 3		≤ 2
CP-OFDM 64 QAM		≤ 3.5	
CP-OFDM 256 QAM		≤ 6.5	
NOTE 1: Applicable for UE operating in TDD mode with PI/2 BPSK modulation and UE indicates support for UE capability <i>powerBoosting-pi2BPSK</i> and if the IE <i>powerBoostPi2BPSK</i> is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0dB MPR is 26dBm.			
NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 and if the IE <i>powerBoostPi2BPSK</i> is set to 0 and if more than 40% of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.			

n2							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376000/1880	381500/1907.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.47	22.84	22.53	24.00
		1	23	22.66	22.43	22.14	24.00
		12	6	22.41	22.89	22.30	24.00
		25	0	21.77	21.69	21.87	23.50
	DFT-s-OFDM QPSK	1	1	22.40	22.69	22.51	24.00
		1	23	22.34	22.45	22.06	24.00
		12	6	22.56	22.54	22.38	24.00
		25	0	21.52	21.55	21.40	23.00
	DFT-s-OFDM 16QAM	1	1	21.30	21.32	21.10	23.00
	DFT-s-OFDM 64QAM	1	1	19.73	19.61	19.57	21.50
	DFT-s-OFDM 256QAM	1	1	17.54	17.84	17.80	19.50
	CP-OFDM QPSK	1	1	21.73	21.49	21.57	22.50
	CP-OFDM 16QAM	1	1	21.25	21.27	21.53	22.00
	CP-OFDM 64QAM	1	1	20.04	19.92	20.30	20.50
	CP-OFDM 256QAM	1	1	17.25	17.31	17.17	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376000/1880	381000/1905	
10MHz	DFT-s-OFDM BPSK	1	1	22.29	22.72	22.31	24.00
		1	50	22.68	22.37	22.16	24.00
		25	12	22.45	22.79	22.24	24.00
		50	0	21.89	21.55	21.83	23.50
	DFT-s-OFDM QPSK	1	1	22.34	22.63	22.55	24.00
		1	50	22.16	22.35	22.06	24.00
		25	12	22.56	22.74	22.18	24.00
		50	0	21.62	21.75	21.66	23.00
	DFT-s-OFDM 16QAM	1	1	21.10	21.38	21.16	23.00
	DFT-s-OFDM 64QAM	1	1	19.77	19.65	19.59	21.50
	DFT-s-OFDM 256QAM	1	1	17.58	17.54	17.66	19.50
	CP-OFDM QPSK	1	1	21.73	21.69	21.63	22.50
	CP-OFDM 16QAM	1	1	21.25	21.11	21.23	22.00
	CP-OFDM 64QAM	1	1	19.84	19.76	20.32	20.50
	CP-OFDM 256QAM	1	1	17.19	17.17	17.15	17.50
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up

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		allocation		371500/1857.5	376000/1880	380500/1902.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.29	22.62	22.53	24.00
		1	77	22.80	22.57	22.26	24.00
		36	18	22.61	22.63	22.24	24.00
		75	0	21.65	21.63	21.67	23.50
	DFT-s-OFDM QPSK	1	1	22.38	22.65	22.45	24.00
		1	77	22.40	22.37	22.10	24.00
		36	18	22.46	22.52	22.40	24.00
		75	0	21.60	21.61	21.46	23.00
	DFT-s-OFDM 16QAM	1	1	21.08	21.20	21.13	23.00
	DFT-s-OFDM 64QAM	1	1	19.67	19.73	19.59	21.50
	DFT-s-OFDM 256QAM	1	1	17.62	17.70	17.92	19.50
	CP-OFDM QPSK	1	1	21.81	21.69	21.59	22.50
	CP-OFDM 16QAM	1	1	21.03	21.41	21.49	22.00
	CP-OFDM 64QAM	1	1	20.12	20.10	20.12	20.50
CP-OFDM 256QAM	1	1	17.23	17.41	17.13	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376000/1880	380000/1900	
20MHz	DFT-s-OFDM BPSK	1	1	22.33	22.72	22.45	24.00
		1	104	22.62	22.41	22.20	24.00
		50	25	22.49	22.73	22.24	24.00
		100	0	21.75	21.63	21.79	23.50
	DFT-s-OFDM QPSK	1	1	22.30	22.55	22.43	24.00
		1	104	22.26	22.49	22.04	24.00
		50	25	22.54	22.60	22.30	24.00
		100	0	21.60	21.65	21.44	23.00
	DFT-s-OFDM 16QAM	1	1	21.04	21.26	21.06	23.00
	DFT-s-OFDM 64QAM	1	1	19.75	19.57	19.51	21.50
	DFT-s-OFDM 256QAM	1	1	17.58	17.72	17.76	19.50
	CP-OFDM QPSK	1	1	21.69	21.59	21.63	22.50
	CP-OFDM 16QAM	1	1	21.13	21.29	21.37	22.00
	CP-OFDM 64QAM	1	1	20.02	19.94	20.14	20.50
CP-OFDM 256QAM	1	1	17.09	17.27	17.17	17.50	
n2							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376000/1880	381500/1907.5	

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5MHz	DFT-s-OFDM BPSK	1	1	14.78	14.80	14.64	16.00
		1	23	14.60	14.72	14.56	16.00
		12	6	14.80	14.76	14.78	16.00
		25	0	14.76	14.62	14.72	16.00
	DFT-s-OFDM QPSK	1	1	14.56	14.64	14.64	16.00
		1	23	14.80	14.56	14.78	16.00
		12	6	14.58	14.66	14.80	16.00
		25	0	14.58	14.66	14.58	16.00
	DFT-s-OFDM 16QAM	1	1	14.60	14.82	14.82	16.00
	DFT-s-OFDM 64QAM	1	1	14.64	14.72	14.78	16.00
	DFT-s-OFDM 256QAM	1	1	14.74	14.66	14.58	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376000/1880	381000/1905	
10MHz	DFT-s-OFDM BPSK	1	1	14.88	14.74	14.76	16.00
		1	50	14.38	14.64	14.50	16.00
		25	12	14.66	14.60	14.84	16.00
		50	0	14.32	14.84	14.82	16.00
	DFT-s-OFDM QPSK	1	1	14.50	14.80	14.50	16.00
		1	50	14.52	14.62	14.76	16.00
		25	12	14.80	14.70	14.48	16.00
		50	0	14.74	14.70	14.58	16.00
	DFT-s-OFDM 16QAM	1	1	14.48	14.90	14.56	16.00
	DFT-s-OFDM 64QAM	1	1	14.52	14.86	14.76	16.00
	DFT-s-OFDM 256QAM	1	1	14.52	14.62	14.80	16.00
	CP-OFDM QPSK	1	1	14.64	14.52	14.80	16.00
	CP-OFDM 16QAM	1	1	14.76	14.54	14.60	16.00
	CP-OFDM 64QAM	1	1	14.72	14.58	14.96	16.00
	CP-OFDM 256QAM	1	1	14.52	14.60	14.40	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376000/1880	380500/1902.5	
15MHz	DFT-s-OFDM BPSK	1	1	14.88	14.80	14.50	16.00
		1	77	14.76	14.52	14.62	16.00
		36	18	14.48	14.70	14.74	16.00

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		75	0	14.48	14.88	14.78	16.00
	DFT-s-OFDM QPSK	1	1	14.62	14.72	14.88	16.00
		1	77	14.56	14.58	14.86	16.00
		36	18	14.78	14.76	14.48	16.00
		75	0	14.68	14.72	14.84	16.00
		DFT-s-OFDM 16QAM	1	1	14.64	14.62	14.88
	DFT-s-OFDM 64QAM	1	1	14.54	14.86	14.64	16.00
	DFT-s-OFDM 256QAM	1	1	14.48	14.48	14.50	16.00
	CP-OFDM QPSK	1	1	14.80	14.88	14.58	16.00
	CP-OFDM 16QAM	1	1	14.52	14.80	14.50	16.00
	CP-OFDM 64QAM	1	1	14.62	14.82	14.54	16.00
	CP-OFDM 256QAM	1	1	14.70	14.82	14.64	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376000/1880	380000/1900	
20MHz	DFT-s-OFDM BPSK	1	1	14.62	14.58	14.66	16.00
		1	104	14.82	14.56	14.54	16.00
		50	25	14.74	14.74	14.56	16.00
		100	0	14.54	14.60	14.84	16.00
	DFT-s-OFDM QPSK	1	1	14.62	14.66	14.62	16.00
		1	104	14.78	14.78	14.56	16.00
		50	25	14.56	14.82	14.76	16.00
		100	0	14.74	14.68	14.76	16.00
	DFT-s-OFDM 16QAM	1	1	14.58	14.58	14.76	16.00
	DFT-s-OFDM 64QAM	1	1	14.84	14.74	14.76	16.00
	DFT-s-OFDM 256QAM	1	1	14.84	14.84	14.76	16.00
	CP-OFDM QPSK	1	1	14.62	14.60	14.56	16.00
	CP-OFDM 16QAM	1	1	14.68	14.80	14.82	16.00
	CP-OFDM 64QAM	1	1	14.54	14.68	14.58	16.00
	CP-OFDM 256QAM	1	1	14.56	14.82	14.84	16.00
n5							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				165300/826.5	167300/836.5	169300/846.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.30	22.14	22.81	24.00
		1	23	22.47	22.29	22.41	24.00
		12	6	22.34	22.40	22.54	24.00
		25	0	22.42	21.76	22.14	23.50

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	DFT-s-OFDM QPSK	1	1	22.90	22.14	22.22	24.00
		1	23	22.33	22.27	22.77	24.00
		12	6	22.84	22.57	22.49	24.00
		25	0	21.37	21.81	21.59	23.00
	DFT-s-OFDM 16QAM	1	1	21.27	21.03	21.39	23.00
	DFT-s-OFDM 64QAM	1	1	19.72	20.10	19.86	21.50
	DFT-s-OFDM 256QAM	1	1	18.07	17.99	18.21	19.50
	CP-OFDM QPSK	1	1	22.24	22.48	21.86	22.50
	CP-OFDM 16QAM	1	1	21.50	21.80	21.36	22.00
	CP-OFDM 64QAM	1	1	20.16	19.95	20.17	20.50
	CP-OFDM 256QAM	1	1	16.90	16.85	17.04	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				165800/829	167300/836.5	168800/844	
10MHz	DFT-s-OFDM BPSK	1	1	22.12	22.26	22.69	24.00
		1	50	22.25	22.13	22.65	24.00
		25	12	22.30	22.30	22.48	24.00
		50	0	22.24	21.78	22.20	23.50
	DFT-s-OFDM QPSK	1	1	22.72	22.34	22.48	24.00
		1	50	22.47	22.05	22.55	24.00
		25	12	22.90	22.57	22.35	24.00
		50	0	21.15	21.59	21.67	23.00
	DFT-s-OFDM 16QAM	1	1	21.01	21.05	21.63	23.00
	DFT-s-OFDM 64QAM	1	1	19.98	20.04	20.06	21.50
	DFT-s-OFDM 256QAM	1	1	18.07	18.09	18.13	19.50
	CP-OFDM QPSK	1	1	22.14	22.30	21.72	22.50
	CP-OFDM 16QAM	1	1	21.70	21.90	21.44	22.00
	CP-OFDM 64QAM	1	1	20.30	19.79	20.31	20.50
	CP-OFDM 256QAM	1	1	16.78	16.93	17.06	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166300/831.5	167300/836.5	168300/841.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.06	22.34	22.85	24.00
		1	77	22.53	22.13	22.57	24.00
		36	18	22.22	22.24	22.80	24.00
		75	0	22.34	21.98	22.12	23.50
	DFT-s-OFDM QPSK	1	1	22.90	22.08	22.30	24.00
		1	77	22.31	22.05	22.87	24.00
		36	18	22.76	22.61	22.49	24.00

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		75	0	21.39	21.75	21.59	23.00
	DFT-s-OFDM 16QAM	1	1	21.21	21.11	21.59	23.00
	DFT-s-OFDM 64QAM	1	1	19.76	20.20	19.92	21.50
	DFT-s-OFDM 256QAM	1	1	18.05	17.97	18.17	19.50
	CP-OFDM QPSK	1	1	22.02	22.24	21.98	22.50
	CP-OFDM 16QAM	1	1	21.78	21.78	21.36	22.00
	CP-OFDM 64QAM	1	1	20.26	19.83	20.29	20.50
	CP-OFDM 256QAM	1	1	16.86	16.93	17.04	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166800/834	167300/836.5	167800/839	
20MHz	DFT-s-OFDM BPSK	1	1	22.18	22.22	22.69	24.00
		1	104	22.43	22.21	22.45	24.00
		50	25	22.28	22.36	22.64	24.00
		100	0	22.26	21.82	22.10	23.50
	DFT-s-OFDM QPSK	1	1	22.78	22.20	22.26	24.00
		1	104	22.39	22.11	22.73	24.00
		50	25	22.82	22.63	22.35	24.00
		100	0	21.21	21.77	21.67	23.00
	DFT-s-OFDM 16QAM	1	1	21.19	21.05	21.45	23.00
	DFT-s-OFDM 64QAM	1	1	19.76	20.16	19.88	21.50
	DFT-s-OFDM 256QAM	1	1	17.91	17.97	18.17	19.50
	CP-OFDM QPSK	1	1	22.08	22.36	21.84	22.50
	CP-OFDM 16QAM	1	1	21.60	21.90	21.46	22.00
	CP-OFDM 64QAM	1	1	20.10	19.93	20.27	20.50
	CP-OFDM 256QAM	1	1	16.92	16.85	17.10	17.50
n5							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				165300/826.5	167300/836.5	169300/846.5	
5MHz	DFT-s-OFDM BPSK	1	1	19.51	19.79	19.63	20.00
		1	23	19.39	19.51	19.61	20.00
		12	6	19.79	19.65	19.35	20.00
		25	0	19.81	19.67	19.43	20.00
	DFT-s-OFDM QPSK	1	1	19.51	19.79	19.67	20.00
		1	23	19.69	19.79	19.59	20.00
		12	6	19.87	19.75	19.65	20.00
		25	0	19.79	19.49	19.51	20.00

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	DFT-s-OFDM 16QAM	1	1	19.71	19.67	19.49	20.00
	DFT-s-OFDM 64QAM	1	1	19.85	19.71	19.45	20.00
	DFT-s-OFDM 256QAM	1	1	18.76	19.00	19.04	19.50
	CP-OFDM QPSK	1	1	19.27	19.63	19.51	20.00
	CP-OFDM 16QAM	1	1	19.63	19.41	19.47	20.00
	CP-OFDM 64QAM	1	1	19.49	19.91	19.53	20.00
	CP-OFDM 256QAM	1	1	16.90	16.94	17.06	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				165800/829	167300/836.5	168800/844	
10MHz	DFT-s-OFDM BPSK	1	1	19.55	19.55	19.75	20.00
		1	50	19.39	19.39	19.69	20.00
		25	12	19.75	19.67	19.29	20.00
		50	0	19.73	19.55	19.31	20.00
	DFT-s-OFDM QPSK	1	1	19.53	19.79	19.21	20.00
		1	50	19.71	19.69	19.37	20.00
		25	12	19.67	19.77	19.83	20.00
		50	0	19.71	19.45	19.09	20.00
	DFT-s-OFDM 16QAM	1	1	19.79	19.75	19.45	20.00
	DFT-s-OFDM 64QAM	1	1	19.59	19.77	19.75	20.00
	DFT-s-OFDM 256QAM	1	1	18.70	19.10	19.14	19.50
	CP-OFDM QPSK	1	1	19.29	19.51	19.63	20.00
	CP-OFDM 16QAM	1	1	19.57	19.69	19.55	20.00
	CP-OFDM 64QAM	1	1	19.49	19.71	19.39	20.00
	CP-OFDM 256QAM	1	1	16.94	16.98	16.88	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166300/831.5	167300/836.5	168300/841.5	
15MHz	DFT-s-OFDM BPSK	1	1	19.69	19.71	19.67	20.00
		1	77	19.47	19.39	19.81	20.00
		36	18	19.67	19.75	19.53	20.00
		75	0	19.61	19.83	19.61	20.00
	DFT-s-OFDM QPSK	1	1	19.53	19.55	19.57	20.00
		1	77	19.83	19.49	19.67	20.00
		36	18	19.85	19.47	19.73	20.00
		75	0	19.77	19.21	19.29	20.00
	DFT-s-OFDM 16QAM	1	1	19.39	19.81	19.31	20.00
	DFT-s-OFDM	1	1	19.73	19.63	19.47	20.00

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	64QAM						
	DFT-s-OFDM 256QAM	1	1	18.94	19.20	18.72	19.50
	CP-OFDM QPSK	1	1	19.47	19.79	19.43	20.00
	CP-OFDM 16QAM	1	1	19.51	19.23	19.41	20.00
	CP-OFDM 64QAM	1	1	19.53	19.63	19.31	20.00
	CP-OFDM 256QAM	1	1	17.00	17.26	16.94	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166800/834	167300/836.5	167800/839	
20MHz	DFT-s-OFDM BPSK	1	1	19.55	19.81	19.51	20.00
		1	104	19.59	19.39	19.51	20.00
		50	25	19.61	19.81	19.35	20.00
		100	0	19.63	19.67	19.61	20.00
	DFT-s-OFDM QPSK	1	1	19.57	19.65	19.67	20.00
		1	104	19.95	19.79	19.59	20.00
		50	25	19.77	19.51	19.63	20.00
		100	0	19.77	19.43	19.59	20.00
	DFT-s-OFDM 16QAM	1	1	19.43	19.53	19.49	20.00
	DFT-s-OFDM 64QAM	1	1	19.89	19.73	19.55	20.00
	DFT-s-OFDM 256QAM	1	1	18.80	19.08	18.88	19.50
	CP-OFDM QPSK	1	1	19.53	19.69	19.61	20.00
	CP-OFDM 16QAM	1	1	19.73	19.57	19.41	20.00
	CP-OFDM 64QAM	1	1	19.35	19.91	19.39	20.00
	CP-OFDM 256QAM	1	1	16.90	17.04	17.10	17.50
n7							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500500/2502.5	507000/2535	513500/2567.5	
5MHz	DFT-s-OFDM BPSK	1	1	23.01	22.78	22.66	24.00
		1	23	23.28	22.86	22.15	24.00
		12	6	23.35	22.84	22.68	24.00
		25	0	22.35	22.27	22.09	23.50
	DFT-s-OFDM QPSK	1	1	23.07	23.04	22.68	24.00
		1	23	23.25	22.68	22.30	24.00
		12	6	23.26	22.95	22.33	24.00
		25	0	22.11	22.07	22.01	23.00
	DFT-s-OFDM 16QAM	1	1	21.79	21.99	21.93	23.00
	DFT-s-OFDM	1	1	20.34	20.64	20.48	21.50

	64QAM						
	DFT-s-OFDM 256QAM	1	1	18.77	18.61	18.89	19.50
	CP-OFDM QPSK	1	1	21.90	22.20	22.08	22.50
	CP-OFDM 16QAM	1	1	21.36	21.04	21.40	22.00
	CP-OFDM 64QAM	1	1	19.89	19.87	19.65	20.50
	CP-OFDM 256QAM	1	1	16.76	16.80	16.82	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501000/2505	507000/2535	513000/2565	
10MHz	DFT-s-OFDM BPSK	1	1	22.91	23.06	22.56	24.00
		1	50	23.36	22.72	22.43	24.00
		25	12	23.29	22.74	22.76	24.00
		50	0	22.31	22.45	22.17	23.50
	DFT-s-OFDM QPSK	1	1	22.91	23.08	22.64	24.00
		1	50	23.17	22.80	22.38	24.00
		25	12	23.44	23.03	22.29	24.00
		50	0	21.99	22.09	21.93	23.00
	DFT-s-OFDM 16QAM	1	1	21.67	21.79	21.95	23.00
	DFT-s-OFDM 64QAM	1	1	20.58	20.66	20.28	21.50
	DFT-s-OFDM 256QAM	1	1	18.65	18.43	18.85	19.50
	CP-OFDM QPSK	1	1	21.88	22.20	22.08	22.50
	CP-OFDM 16QAM	1	1	21.24	20.94	21.60	22.00
	CP-OFDM 64QAM	1	1	19.93	19.77	19.65	20.50
	CP-OFDM 256QAM	1	1	16.52	16.58	16.76	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501500/2507.5	507000/2535	512500/2562.5	
15MHz	DFT-s-OFDM BPSK	1	1	23.01	23.00	22.82	24.00
		1	77	23.12	22.68	22.25	24.00
		36	18	23.13	22.80	22.54	24.00
		75	0	22.21	22.45	22.13	23.50
	DFT-s-OFDM QPSK	1	1	22.93	22.92	22.62	24.00
		1	77	23.13	22.72	22.32	24.00
		36	18	23.40	22.91	22.25	24.00
		75	0	22.03	22.09	21.97	23.00
	DFT-s-OFDM 16QAM	1	1	21.79	21.95	22.11	23.00
	DFT-s-OFDM 64QAM	1	1	20.48	20.64	20.22	21.50
	DFT-s-OFDM 256QAM	1	1	18.79	18.47	18.91	19.50

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	CP-OFDM QPSK	1	1	22.12	21.94	21.86	22.50
	CP-OFDM 16QAM	1	1	21.38	21.24	21.54	22.00
	CP-OFDM 64QAM	1	1	19.83	19.91	19.61	20.50
	CP-OFDM 256QAM	1	1	16.88	16.88	16.90	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502000/2510	507000/2535	512000/2560	
20MHz	DFT-s-OFDM BPSK	1	1	23.09	22.88	22.64	24.00
		1	104	23.18	22.72	22.23	24.00
		50	25	23.23	22.86	22.58	24.00
		100	0	22.23	22.31	22.19	23.50
	DFT-s-OFDM QPSK	1	1	23.05	22.92	22.70	24.00
		1	104	23.17	22.72	22.24	24.00
		50	25	23.24	22.89	22.29	24.00
		100	0	21.95	22.03	22.03	23.00
	DFT-s-OFDM 16QAM	1	1	21.81	21.89	21.97	23.00
	DFT-s-OFDM 64QAM	1	1	20.36	20.50	20.34	21.50
	DFT-s-OFDM 256QAM	1	1	18.83	18.57	18.83	19.50
	CP-OFDM QPSK	1	1	21.94	22.06	21.92	22.50
	CP-OFDM 16QAM	1	1	21.24	21.12	21.38	22.00
	CP-OFDM 64QAM	1	1	19.79	19.93	19.69	20.50
	CP-OFDM 256QAM	1	1	16.70	16.72	16.86	17.50
n7							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500500/2502.5	507000/2535	513500/2567.5	
5MHz	DFT-s-OFDM BPSK	1	1	13.40	13.20	13.12	14.50
		1	23	13.20	13.40	13.12	14.50
		12	6	13.22	13.38	13.34	14.50
		25	0	13.28	13.38	13.30	14.50
	DFT-s-OFDM QPSK	1	1	13.34	13.18	13.12	14.50
		1	23	13.34	13.12	13.32	14.50
		12	6	13.24	13.38	13.36	14.50
		25	0	13.34	13.30	13.20	14.50
	DFT-s-OFDM 16QAM	1	1	13.18	13.10	13.10	14.50
	DFT-s-OFDM 64QAM	1	1	13.10	13.34	13.38	14.50
	DFT-s-OFDM 256QAM	1	1	13.10	13.26	13.28	14.50
	CP-OFDM QPSK	1	1	13.20	13.16	13.30	14.50

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	CP-OFDM 16QAM	1	1	13.22	13.36	13.12	14.50
	CP-OFDM 64QAM	1	1	13.34	13.28	13.10	14.50
	CP-OFDM 256QAM	1	1	13.24	13.10	13.30	14.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501000/2505	507000/2535	513000/2565	
10MHz	DFT-s-OFDM BPSK	1	1	13.28	13.38	13.34	14.50
		1	50	13.22	13.40	13.42	14.50
		25	12	13.38	13.36	13.20	14.50
		50	0	13.34	13.20	13.32	14.50
	DFT-s-OFDM QPSK	1	1	13.30	13.36	13.34	14.50
		1	50	13.26	13.22	13.40	14.50
		25	12	13.36	13.38	13.24	14.50
		50	0	13.20	13.20	13.38	14.50
	DFT-s-OFDM 16QAM	1	1	13.46	13.30	13.28	14.50
	DFT-s-OFDM 64QAM	1	1	13.46	13.34	13.28	14.50
	DFT-s-OFDM 256QAM	1	1	13.46	13.46	13.30	14.50
	CP-OFDM QPSK	1	1	13.42	13.44	13.46	14.50
	CP-OFDM 16QAM	1	1	13.32	13.38	13.44	14.50
	CP-OFDM 64QAM	1	1	13.22	13.34	13.24	14.50
	CP-OFDM 256QAM	1	1	13.22	13.46	13.20	14.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501500/2507.5	507000/2535	512500/2562.5	
15MHz	DFT-s-OFDM BPSK	1	1	13.34	13.44	13.36	14.50
		1	77	13.20	13.08	13.38	14.50
		36	18	13.46	13.54	13.18	14.50
		75	0	13.16	13.16	13.12	14.50
	DFT-s-OFDM QPSK	1	1	13.02	13.32	13.36	14.50
		1	77	13.44	13.42	13.56	14.50
		36	18	13.46	13.34	13.02	14.50
		75	0	13.44	13.34	13.32	14.50
	DFT-s-OFDM 16QAM	1	1	13.24	13.32	13.14	14.50
	DFT-s-OFDM 64QAM	1	1	13.08	13.16	13.14	14.50
	DFT-s-OFDM 256QAM	1	1	13.34	13.36	13.16	14.50
	CP-OFDM QPSK	1	1	13.04	13.02	13.46	14.50
	CP-OFDM 16QAM	1	1	13.54	13.30	13.22	14.50
	CP-OFDM 64QAM	1	1	13.30	13.40	13.28	14.50
	CP-OFDM 256QAM	1	1	13.30	13.26	13.60	14.50

Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502000/2510	507000/2535	512000/2560	
20MHz	DFT-s-OFDM BPSK	1	1	13.30	13.52	13.22	14.50
		1	104	13.38	13.14	13.52	14.50
		50	25	13.52	13.52	13.26	14.50
		100	0	13.52	13.42	13.52	14.50
	DFT-s-OFDM QPSK	1	1	13.50	13.12	13.48	14.50
		1	104	13.26	13.20	13.20	14.50
		50	25	13.46	13.22	13.30	14.50
		100	0	13.52	13.44	13.50	14.50
	DFT-s-OFDM 16QAM	1	1	13.36	13.40	13.14	14.50
	DFT-s-OFDM 64QAM	1	1	13.28	13.14	13.14	14.50
	DFT-s-OFDM 256QAM	1	1	13.26	13.26	13.16	14.50
	CP-OFDM QPSK	1	1	13.20	13.12	13.26	14.50
	CP-OFDM 16QAM	1	1	13.46	13.34	13.46	14.50
	CP-OFDM 64QAM	1	1	13.42	13.16	13.26	14.50
	CP-OFDM 256QAM	1	1	13.46	13.32	13.28	14.50
n12							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				140300/701.5	141500/707.5	142700/713.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.86	22.89	22.19	24.00
		1	23	22.41	22.27	22.24	24.00
		12	6	22.48	22.39	22.29	24.00
		25	0	22.45	22.59	22.45	23.50
	DFT-s-OFDM QPSK	1	1	22.90	22.91	22.45	24.00
		1	23	22.60	22.23	22.19	24.00
		12	6	22.71	22.46	22.04	24.00
		25	0	22.25	22.17	22.09	23.00
	DFT-s-OFDM 16QAM	1	1	21.66	21.74	21.66	23.00
	DFT-s-OFDM 64QAM	1	1	19.95	20.31	19.69	21.50
	DFT-s-OFDM 256QAM	1	1	18.22	18.28	18.52	19.50
	CP-OFDM QPSK	1	1	21.81	21.49	21.87	22.50
	CP-OFDM 16QAM	1	1	20.85	20.75	21.43	22.00
	CP-OFDM 64QAM	1	1	19.28	19.66	19.40	20.50
	CP-OFDM 256QAM	1	1	16.71	16.87	16.51	17.50
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up

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		allocation		140800/704	141500/707.5	142200/711	
10MHz	DFT-s-OFDM BPSK	1	1	22.70	22.73	22.25	24.00
		1	50	22.29	22.11	22.26	24.00
		25	12	22.42	22.31	22.29	24.00
		50	0	22.43	22.59	22.33	23.50
	DFT-s-OFDM QPSK	1	1	22.76	22.61	22.15	24.00
		1	50	22.32	22.17	22.41	24.00
		25	12	23.07	22.44	22.32	24.00
		50	0	21.95	22.13	21.93	23.00
	DFT-s-OFDM 16QAM	1	1	21.60	21.84	21.62	23.00
	DFT-s-OFDM 64QAM	1	1	19.97	20.53	19.67	21.50
	DFT-s-OFDM 256QAM	1	1	18.46	18.24	18.42	19.50
	CP-OFDM QPSK	1	1	21.75	21.69	21.63	22.50
	CP-OFDM 16QAM	1	1	20.89	20.95	21.33	22.00
	CP-OFDM 64QAM	1	1	19.46	19.64	19.54	20.50
CP-OFDM 256QAM	1	1	16.63	16.65	16.61	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				141300/706.5	141500/707.5	141700/708.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.82	22.77	22.37	24.00
		1	77	22.37	22.23	22.22	24.00
		36	18	22.52	22.29	22.35	24.00
		75	0	22.33	22.43	22.27	23.50
	DFT-s-OFDM QPSK	1	1	22.74	22.73	22.23	24.00
		1	77	22.40	22.13	22.25	24.00
		36	18	22.89	22.46	22.16	24.00
		75	0	22.07	22.13	21.95	23.00
	DFT-s-OFDM 16QAM	1	1	21.44	21.76	21.66	23.00
	DFT-s-OFDM 64QAM	1	1	20.03	20.41	19.79	21.50
	DFT-s-OFDM 256QAM	1	1	18.38	18.10	18.54	19.50
	CP-OFDM QPSK	1	1	21.73	21.63	21.71	22.50
	CP-OFDM 16QAM	1	1	20.93	20.83	21.23	22.00
	CP-OFDM 64QAM	1	1	19.44	19.66	19.40	20.50
	CP-OFDM 256QAM	1	1	16.53	16.73	16.53	17.50
n12							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				140300/701.5	141500/707.5	142700/713.5	

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5MHz	DFT-s-OFDM BPSK	1	1	16.71	16.57	16.47	17.50
		1	23	16.60	16.30	16.50	17.50
		12	6	16.83	16.75	16.31	17.50
		25	0	16.70	16.72	16.84	17.50
	DFT-s-OFDM QPSK	1	1	16.77	16.39	16.23	17.50
		1	23	16.50	16.34	16.62	17.50
		12	6	16.63	16.55	16.89	17.50
		25	0	16.70	16.52	16.72	17.50
	DFT-s-OFDM 16QAM	1	1	16.66	16.46	17.10	17.50
	DFT-s-OFDM 64QAM	1	1	16.49	16.35	16.29	17.50
	DFT-s-OFDM 256QAM	1	1	16.31	16.09	15.89	17.50
Bandwidth	CP-OFDM QPSK	1	1	16.44	16.66	16.52	17.50
	CP-OFDM 16QAM	1	1	16.72	16.86	16.60	17.50
	CP-OFDM 64QAM	1	1	16.32	16.18	16.00	17.50
	CP-OFDM 256QAM	1	1	16.05	15.97	16.13	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				140800/704	141500/707.5	142200/711	
10MHz	DFT-s-OFDM BPSK	1	1	16.71	16.55	16.51	17.50
		1	50	16.64	16.54	16.36	17.50
		25	12	16.87	16.85	16.37	17.50
		50	0	16.74	16.74	16.86	17.50
	DFT-s-OFDM QPSK	1	1	16.61	16.67	16.51	17.50
		1	50	16.38	16.64	16.56	17.50
		25	12	16.61	16.79	16.87	17.50
		50	0	16.84	16.60	16.70	17.50
	DFT-s-OFDM 16QAM	1	1	16.82	16.54	16.86	17.50
	DFT-s-OFDM 64QAM	1	1	16.41	16.47	16.21	17.50
	DFT-s-OFDM 256QAM	1	1	16.07	16.01	16.03	17.50
	CP-OFDM QPSK	1	1	16.64	16.58	16.42	17.50
	CP-OFDM 16QAM	1	1	16.92	16.90	16.84	17.50
	CP-OFDM 64QAM	1	1	16.26	16.14	16.04	17.50
	CP-OFDM 256QAM	1	1	15.97	16.01	15.89	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				141300/706.5	141500/707.5	141700/708.5	
15MHz	DFT-s-OFDM BPSK	1	1	16.63	16.63	16.63	17.50
		1	77	16.50	16.40	16.46	17.50
		36	18	16.73	16.71	16.49	17.50

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		75	0	16.62	16.74	16.70	17.50
	DFT-s-OFDM QPSK	1	1	16.63	16.55	16.35	17.50
		1	77	16.48	16.46	16.42	17.50
		36	18	16.69	16.67	16.69	17.50
		75	0	16.72	16.56	16.76	17.50
		DFT-s-OFDM 16QAM	1	1	16.76	16.64	16.92
	DFT-s-OFDM 64QAM	1	1	16.29	16.33	16.31	17.50
	DFT-s-OFDM 256QAM	1	1	16.11	16.03	15.99	17.50
	CP-OFDM QPSK	1	1	16.58	16.48	16.38	17.50
	CP-OFDM 16QAM	1	1	16.88	16.82	16.70	17.50
	CP-OFDM 64QAM	1	1	16.24	16.14	16.16	17.50
	CP-OFDM 256QAM	1	1	16.01	15.83	15.91	17.50
n14							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				158100/790.5	158600/793	159100/795.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.70	22.60	22.62	24.00
		1	23	22.47	22.51	22.37	24.00
		12	6	22.34	22.48	22.34	24.00
		25	0	21.61	21.81	21.63	23.50
	DFT-s-OFDM QPSK	1	1	22.40	22.50	22.66	24.00
		1	23	22.61	22.67	22.45	24.00
		12	6	22.42	22.32	22.26	24.00
		25	0	21.75	21.61	21.63	23.00
	DFT-s-OFDM 16QAM	1	1	21.65	21.59	21.59	23.00
	DFT-s-OFDM 64QAM	1	1	20.03	20.09	20.15	21.50
	DFT-s-OFDM 256QAM	1	1	18.82	18.86	18.82	19.50
	CP-OFDM QPSK	1	1	21.92	21.90	22.12	22.50
	CP-OFDM 16QAM	1	1	21.41	21.21	21.37	22.00
	CP-OFDM 64QAM	1	1	19.69	19.79	19.81	20.50
	CP-OFDM 256QAM	1	1	17.04	17.04	16.80	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	158600/793	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	22.52	/	24.00
		1	50	/	22.41	/	24.00
		25	12	/	22.40	/	24.00
		50	0	/	21.65	/	23.50

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	DFT-s-OFDM QPSK	1	1	/	22.52	/	24.00
		1	50	/	22.51	/	24.00
		25	12	/	22.38	/	24.00
		50	0	/	21.63	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.63	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.01	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.86	/	19.50
	CP-OFDM QPSK	1	1	/	22.02	/	22.50
	CP-OFDM 16QAM	1	1	/	21.29	/	22.00
	CP-OFDM 64QAM	1	1	/	19.71	/	20.50
	CP-OFDM 256QAM	1	1	/	16.90	/	17.50
n14							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				158100/790.5	158600/793	159100/795.5	
5MHz	DFT-s-OFDM BPSK	1	1	16.41	16.41	16.51	17.00
		1	23	16.39	16.49	16.47	17.00
		12	6	16.34	16.40	16.26	17.00
		25	0	16.45	16.37	16.39	17.00
	DFT-s-OFDM QPSK	1	1	16.37	16.39	16.45	17.00
		1	23	16.17	16.33	16.25	17.00
		12	6	16.26	16.02	16.22	17.00
		25	0	16.09	16.05	16.15	17.00
	DFT-s-OFDM 16QAM	1	1	16.84	16.66	16.78	17.00
	DFT-s-OFDM 64QAM	1	1	16.14	16.00	16.00	17.00
	DFT-s-OFDM 256QAM	1	1	15.91	15.97	15.83	17.00
	CP-OFDM QPSK	1	1	16.62	16.56	16.40	17.00
	CP-OFDM 16QAM	1	1	16.85	16.77	16.89	17.00
	CP-OFDM 64QAM	1	1	16.05	15.93	15.95	17.00
CP-OFDM 256QAM	1	1	15.85	15.87	15.93	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	158600/793	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	16.37	/	17.00
		1	50	/	16.31	/	17.00
		25	12	/	16.24	/	17.00
		50	0	/	16.27	/	17.00
	DFT-s-OFDM	1	1	/	16.37	/	17.00

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	QPSK	1	50	/	16.29	/	17.00
		25	12	/	16.12	/	17.00
		50	0	/	16.17	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	16.70	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.96	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.95	/	17.00
	CP-OFDM QPSK	1	1	/	16.50	/	17.00
	CP-OFDM 16QAM	1	1	/	16.79	/	17.00
	CP-OFDM 64QAM	1	1	/	15.99	/	17.00
	CP-OFDM 256QAM	1	1	/	15.91	/	17.00

n25

Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376500/1882.5	382500/1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.34	22.24	22.43	24.00
		1	23	22.31	22.59	22.51	24.00
		12	6	22.66	22.26	22.62	24.00
		25	0	22.22	21.66	22.06	23.50
	DFT-s-OFDM QPSK	1	1	22.70	22.26	22.40	24.00
		1	23	22.43	22.55	22.53	24.00
		12	6	22.92	22.27	22.35	24.00
		25	0	21.81	21.67	21.77	23.00
	DFT-s-OFDM 16QAM	1	1	21.37	21.15	21.59	23.00
	DFT-s-OFDM 64QAM	1	1	19.96	20.16	20.06	21.50
	DFT-s-OFDM 256QAM	1	1	17.83	18.31	18.01	19.50
	CP-OFDM QPSK	1	1	21.70	21.96	21.80	22.50
	CP-OFDM 16QAM	1	1	21.58	21.52	21.00	22.00
	CP-OFDM 64QAM	1	1	19.91	20.31	20.05	20.50
CP-OFDM 256QAM	1	1	17.13	16.92	17.38	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	22.10	22.28	22.63	24.00
		1	50	22.51	22.35	22.51	24.00
		25	12	22.54	22.24	22.40	24.00
		50	0	22.18	21.80	22.06	23.50
	DFT-s-OFDM QPSK	1	1	22.68	22.50	22.34	24.00
		1	50	22.47	22.39	22.45	24.00

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		25	12	22.82	22.43	22.53	24.00
		50	0	21.95	21.75	21.73	23.00
	DFT-s-OFDM 16QAM	1	1	21.41	21.59	21.61	23.00
	DFT-s-OFDM 64QAM	1	1	20.18	20.12	19.96	21.50
	DFT-s-OFDM 256QAM	1	1	18.01	18.33	18.09	19.50
	CP-OFDM QPSK	1	1	21.78	21.94	21.72	22.50
	CP-OFDM 16QAM	1	1	21.74	21.64	21.18	22.00
	CP-OFDM 64QAM	1	1	20.19	20.35	20.19	20.50
	CP-OFDM 256QAM	1	1	16.93	16.78	17.42	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	38150/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.08	22.36	22.61	24.00
		1	77	22.49	22.27	22.37	24.00
		36	18	22.76	22.50	22.22	24.00
		75	0	22.28	21.72	21.90	23.50
	DFT-s-OFDM QPSK	1	1	22.44	22.46	22.16	24.00
		1	77	22.45	22.45	22.53	24.00
		36	18	22.90	22.49	22.33	24.00
		75	0	21.97	21.93	21.57	23.00
	DFT-s-OFDM 16QAM	1	1	21.43	21.63	21.81	23.00
	DFT-s-OFDM 64QAM	1	1	20.10	20.34	19.94	21.50
	DFT-s-OFDM 256QAM	1	1	18.07	18.17	17.97	19.50
	CP-OFDM QPSK	1	1	21.64	22.02	21.68	22.50
	CP-OFDM 16QAM	1	1	21.74	21.74	21.36	22.00
	CP-OFDM 64QAM	1	1	19.97	20.41	20.09	20.50
	CP-OFDM 256QAM	1	1	16.97	16.98	17.26	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	22.10	22.24	22.65	24.00
		1	104	22.39	22.59	22.55	24.00
		50	25	22.64	22.28	22.52	24.00
		100	0	22.24	21.58	22.04	23.50
	DFT-s-OFDM QPSK	1	1	22.70	22.36	22.36	24.00
		1	104	22.53	22.35	22.61	24.00
		50	25	22.82	22.49	22.37	24.00
		100	0	21.91	21.71	21.57	23.00

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	DFT-s-OFDM 16QAM	1	1	21.65	21.47	21.67	23.00
	DFT-s-OFDM 64QAM	1	1	20.18	20.28	20.08	21.50
	DFT-s-OFDM 256QAM	1	1	18.05	18.19	18.07	19.50
	CP-OFDM QPSK	1	1	21.80	22.10	21.70	22.50
	CP-OFDM 16QAM	1	1	21.82	21.66	21.32	22.00
	CP-OFDM 64QAM	1	1	20.07	20.23	20.39	20.50
	CP-OFDM 256QAM	1	1	16.97	16.82	17.28	17.50
n25							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/1852.5	376500/1882.5	382500/1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	15.15	14.93	15.11	16.00
		1	23	15.17	14.95	14.93	16.00
		12	6	15.11	15.05	14.97	16.00
		25	0	14.99	15.01	15.07	16.00
	DFT-s-OFDM QPSK	1	1	15.01	14.97	14.95	16.00
		1	23	14.99	15.17	14.91	16.00
		12	6	15.13	15.17	15.09	16.00
		25	0	15.15	14.99	14.91	16.00
	DFT-s-OFDM 16QAM	1	1	15.11	14.93	15.07	16.00
	DFT-s-OFDM 64QAM	1	1	15.17	15.09	14.99	16.00
	DFT-s-OFDM 256QAM	1	1	15.09	14.91	15.05	16.00
	CP-OFDM QPSK	1	1	15.07	15.07	15.07	16.00
	CP-OFDM 16QAM	1	1	14.95	15.17	15.03	16.00
	CP-OFDM 64QAM	1	1	14.91	15.09	14.91	16.00
	CP-OFDM 256QAM	1	1	15.05	15.07	15.05	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	15.25	15.09	15.01	16.00
		1	50	14.99	14.73	14.97	16.00
		25	12	15.07	15.03	14.87	16.00
		50	0	15.13	15.05	14.99	16.00
	DFT-s-OFDM QPSK	1	1	15.05	15.09	15.25	16.00
		1	50	15.07	15.23	15.19	16.00
		25	12	15.21	15.07	14.75	16.00
		50	0	14.97	14.79	14.93	16.00

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	DFT-s-OFDM 16QAM	1	1	15.03	15.21	14.93	16.00
	DFT-s-OFDM 64QAM	1	1	14.89	15.29	14.81	16.00
	DFT-s-OFDM 256QAM	1	1	15.29	15.11	15.23	16.00
	CP-OFDM QPSK	1	1	15.03	15.11	14.85	16.00
	CP-OFDM 16QAM	1	1	15.17	15.03	14.73	16.00
	CP-OFDM 64QAM	1	1	14.95	14.79	14.95	16.00
	CP-OFDM 256QAM	1	1	14.73	14.91	15.13	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	38150/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	15.03	14.99	14.89	16.00
		1	77	15.01	15.11	14.91	16.00
		36	18	15.05	14.95	14.95	16.00
		75	0	15.17	15.11	15.19	16.00
	DFT-s-OFDM QPSK	1	1	15.01	15.13	14.89	16.00
		1	77	15.15	15.03	14.97	16.00
		36	18	14.91	15.09	14.93	16.00
		75	0	14.89	15.05	14.95	16.00
	DFT-s-OFDM 16QAM	1	1	14.89	15.01	15.11	16.00
	DFT-s-OFDM 64QAM	1	1	15.17	15.17	15.01	16.00
	DFT-s-OFDM 256QAM	1	1	15.17	14.95	14.97	16.00
	CP-OFDM QPSK	1	1	15.07	14.89	14.99	16.00
	CP-OFDM 16QAM	1	1	15.15	15.17	15.01	16.00
	CP-OFDM 64QAM	1	1	15.05	15.15	15.11	16.00
	CP-OFDM 256QAM	1	1	15.19	15.19	14.89	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	15.07	14.99	15.15	16.00
		1	104	14.97	15.07	14.97	16.00
		50	25	14.83	14.95	14.95	16.00
		100	0	15.01	15.09	15.03	16.00
	DFT-s-OFDM QPSK	1	1	14.89	15.10	15.19	16.00
		1	104	15.20	15.15	14.89	16.00
		50	25	14.97	15.21	14.89	16.00
		100	0	15.07	14.95	15.13	16.00
	DFT-s-OFDM 16QAM	1	1	15.09	14.89	14.93	16.00
	DFT-s-OFDM	1	1	15.09	14.93	15.01	16.00

	64QAM						
	DFT-s-OFDM 256QAM	1	1	14.89	15.13	14.91	16.00
	CP-OFDM QPSK	1	1	15.23	15.23	14.87	16.00
	CP-OFDM 16QAM	1	1	15.17	15.09	15.13	16.00
	CP-OFDM 64QAM	1	1	14.89	14.91	14.93	16.00
	CP-OFDM 256QAM	1	1	15.11	15.09	14.83	16.00

n26							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				163300/816.5	163800/819	164300/821.5	
5MHz	DFT-s-OFDM BPSK	1	1	23.09	23.15	22.95	24.00
		1	23	22.31	22.73	22.97	24.00
		12	6	22.54	22.34	22.52	24.00
		25	0	22.44	22.38	22.10	23.50
	DFT-s-OFDM QPSK	1	1	22.68	22.52	22.64	24.00
		1	23	22.41	22.57	22.83	24.00
		12	6	22.57	22.59	22.71	24.00
		25	0	22.03	21.81	21.69	23.00
	DFT-s-OFDM 16QAM	1	1	21.81	21.87	21.75	23.00
	DFT-s-OFDM 64QAM	1	1	20.06	20.24	20.20	21.50
	DFT-s-OFDM 256QAM	1	1	17.89	18.25	18.07	19.50
	CP-OFDM QPSK	1	1	20.96	20.92	21.02	22.50
	CP-OFDM 16QAM	1	1	20.62	20.28	20.52	22.00
	CP-OFDM 64QAM	1	1	19.85	20.01	19.79	20.50
	CP-OFDM 256QAM	1	1	16.54	16.52	17.02	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	163800/819	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	22.99	/	24.00
		1	50	/	22.85	/	24.00
		25	12	/	22.68	/	24.00
		50	0	/	22.22	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.52	/	24.00
		1	50	/	22.85	/	24.00
		25	12	/	22.83	/	24.00
		50	0	/	22.03	/	23.00
	DFT-s-OFDM	1	1	/	21.61	/	23.00

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	16QAM						
	DFT-s-OFDM 64QAM	1	1	/	19.90	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.37	/	19.50
	CP-OFDM QPSK	1	1	/	21.22	/	22.50
	CP-OFDM 16QAM	1	1	/	20.54	/	22.00
	CP-OFDM 64QAM	1	1	/	19.81	/	20.50
	CP-OFDM 256QAM	1	1	/	16.72	/	17.50
n26							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				165300/826.5	167300/836.5	169300/846.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.28	22.58	22.91	24.00
		1	23	22.69	22.61	22.67	24.00
		12	6	22.84	22.56	22.54	24.00
		25	0	22.40	22.02	22.28	23.50
	DFT-s-OFDM QPSK	1	1	22.66	22.56	22.62	24.00
		1	23	22.47	22.41	22.75	24.00
		12	6	23.04	22.71	22.67	24.00
		25	0	22.17	21.95	21.85	23.00
	DFT-s-OFDM 16QAM	1	1	21.75	21.53	21.77	23.00
	DFT-s-OFDM 64QAM	1	1	20.20	20.42	20.04	21.50
	DFT-s-OFDM 256QAM	1	1	18.35	18.29	18.19	19.50
	CP-OFDM QPSK	1	1	20.98	21.50	21.02	22.50
	CP-OFDM 16QAM	1	1	21.02	21.14	20.54	22.00
	CP-OFDM 64QAM	1	1	19.51	19.75	19.81	20.50
	CP-OFDM 256QAM	1	1	16.86	16.88	16.78	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				165800/829	167300/836.5	168800/844	
10MHz	DFT-s-OFDM BPSK	1	1	22.28	22.40	22.63	24.00
		1	50	22.83	22.73	22.49	24.00
		25	12	22.98	22.56	22.64	24.00
		50	0	22.64	21.84	22.38	23.50
	DFT-s-OFDM QPSK	1	1	22.74	22.74	22.60	24.00
		1	50	22.53	22.43	22.83	24.00
		25	12	22.92	22.47	22.73	24.00
		50	0	22.19	21.79	22.09	23.00

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	DFT-s-OFDM 16QAM	1	1	21.53	21.57	21.95	23.00
	DFT-s-OFDM 64QAM	1	1	20.48	20.36	20.18	21.50
	DFT-s-OFDM 256QAM	1	1	18.33	18.47	18.51	19.50
	CP-OFDM QPSK	1	1	20.88	21.40	21.16	22.50
	CP-OFDM 16QAM	1	1	20.98	21.28	20.80	22.00
	CP-OFDM 64QAM	1	1	19.69	19.73	19.87	20.50
	CP-OFDM 256QAM	1	1	16.88	16.96	16.74	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166300/831.5	167300/836.5	168300/841.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.22	22.54	22.67	24.00
		1	77	22.71	22.81	22.73	24.00
		36	18	22.88	22.50	22.76	24.00
		75	0	22.56	22.00	22.36	23.50
	DFT-s-OFDM QPSK	1	1	22.78	22.78	22.54	24.00
		1	77	22.53	22.49	22.55	24.00
		36	18	22.92	22.57	22.49	24.00
		75	0	22.03	21.89	21.79	23.00
	DFT-s-OFDM 16QAM	1	1	21.65	21.51	21.71	23.00
	DFT-s-OFDM 64QAM	1	1	20.26	20.44	20.06	21.50
	DFT-s-OFDM 256QAM	1	1	18.27	18.47	18.19	19.50
	CP-OFDM QPSK	1	1	21.12	21.34	20.88	22.50
	CP-OFDM 16QAM	1	1	21.18	21.18	20.76	22.00
	CP-OFDM 64QAM	1	1	19.49	19.59	19.65	20.50
	CP-OFDM 256QAM	1	1	17.00	17.06	16.76	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166800/834	167300/836.5	167800/839	
20MHz	DFT-s-OFDM BPSK	1	1	22.32	22.50	22.77	24.00
		1	104	22.69	22.63	22.67	24.00
		50	25	22.82	22.52	22.60	24.00
		100	0	22.46	21.86	22.28	23.50
	DFT-s-OFDM QPSK	1	1	22.55	22.66	22.76	24.00
		1	104	22.57	22.45	22.67	24.00
		50	25	23.00	22.55	23.02	24.00
		100	0	22.03	21.95	21.89	23.00
	DFT-s-OFDM	1	1	21.71	21.63	21.83	23.00

	16QAM						
	DFT-s-OFDM 64QAM	1	1	20.28	20.32	20.14	21.50
	DFT-s-OFDM 256QAM	1	1	18.31	18.39	18.29	19.50
	CP-OFDM QPSK	1	1	21.04	21.40	20.98	22.50
	CP-OFDM 16QAM	1	1	21.04	21.10	20.60	22.00
	CP-OFDM 64QAM	1	1	19.53	19.63	19.67	20.50
	CP-OFDM 256QAM	1	1	16.96	16.88	16.72	17.50
n26							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				163300/816.5	163800/819	164300/821.5	
5MHz	DFT-s-OFDM BPSK	1	1	19.76	19.64	19.82	20.00
		1	23	19.72	19.66	19.82	20.00
		12	6	19.36	19.50	19.48	20.00
		25	0	19.64	19.52	19.52	20.00
	DFT-s-OFDM QPSK	1	1	19.70	19.60	19.52	20.00
		1	23	19.60	19.66	19.62	20.00
		12	6	19.66	19.44	19.64	20.00
		25	0	19.18	19.14	19.18	20.00
	DFT-s-OFDM 16QAM	1	1	19.10	19.12	19.14	20.00
	DFT-s-OFDM 64QAM	1	1	19.64	19.48	19.64	20.00
	DFT-s-OFDM 256QAM	1	1	18.83	18.81	18.93	19.50
	CP-OFDM QPSK	1	1	19.42	19.52	19.34	20.00
	CP-OFDM 16QAM	1	1	19.36	19.34	19.38	20.00
	CP-OFDM 64QAM	1	1	19.34	19.30	19.36	20.00
	CP-OFDM 256QAM	1	1	16.83	17.05	17.07	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	163800/819	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	19.74	/	20.00
		1	50	/	19.74	/	20.00
		25	12	/	19.32	/	20.00
		50	0	/	19.52	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.54	/	20.00
		1	50	/	19.68	/	20.00
		25	12	/	19.56	/	20.00
		50	0	/	19.16	/	20.00

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	DFT-s-OFDM 16QAM	1	1	/	19.18	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.48	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	18.59	/	19.50
	CP-OFDM QPSK	1	1	/	19.42	/	20.00
	CP-OFDM 16QAM	1	1	/	19.16	/	20.00
	CP-OFDM 64QAM	1	1	/	19.26	/	20.00
	CP-OFDM 256QAM	1	1	/	16.85	/	17.50

n26

Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				165300/826.5	167300/836.5	169300/846.5	
5MHz	DFT-s-OFDM BPSK	1	1	19.58	19.56	19.82	20.00
		1	23	19.30	19.16	19.48	20.00
		12	6	19.78	19.74	19.48	20.00
		25	0	19.64	19.48	19.64	20.00
	DFT-s-OFDM QPSK	1	1	19.34	19.34	19.54	20.00
		1	23	19.92	19.42	19.76	20.00
		12	6	19.80	19.22	19.72	20.00
		25	0	19.84	18.92	19.26	20.00
	DFT-s-OFDM 16QAM	1	1	19.48	19.88	19.28	20.00
	DFT-s-OFDM 64QAM	1	1	19.70	19.54	19.60	20.00
	DFT-s-OFDM 256QAM	1	1	18.63	19.31	18.65	19.50
	CP-OFDM QPSK	1	1	19.62	19.72	19.26	20.00
	CP-OFDM 16QAM	1	1	19.58	19.26	19.18	20.00
	CP-OFDM 64QAM	1	1	19.28	19.30	18.96	20.00
CP-OFDM 256QAM	1	1	17.07	17.23	16.99	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				165800/829	167300/836.5	168800/844	
10MHz	DFT-s-OFDM BPSK	1	1	19.44	19.54	19.74	20.00
		1	50	19.22	19.20	19.80	20.00
		25	12	19.56	19.80	19.36	20.00
		50	0	19.56	19.80	19.72	20.00
	DFT-s-OFDM QPSK	1	1	19.40	19.56	19.42	20.00
		1	50	19.76	19.34	19.66	20.00
		25	12	19.56	19.30	19.82	20.00

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		50	0	19.52	19.08	19.02	20.00
	DFT-s-OFDM 16QAM	1	1	19.22	19.74	19.34	20.00
	DFT-s-OFDM 64QAM	1	1	19.56	19.40	19.22	20.00
	DFT-s-OFDM 256QAM	1	1	18.79	19.17	18.53	19.50
	CP-OFDM QPSK	1	1	19.26	19.58	19.44	20.00
	CP-OFDM 16QAM	1	1	19.54	19.00	19.30	20.00
	CP-OFDM 64QAM	1	1	19.24	19.74	19.22	20.00
	CP-OFDM 256QAM	1	1	16.83	17.23	16.67	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166300/831.5	167300/836.5	168300/841.5	
15MHz	DFT-s-OFDM BPSK	1	1	19.50	19.76	19.70	20.00
		1	77	19.36	19.42	19.68	20.00
		36	18	19.46	19.52	19.34	20.00
		75	0	19.58	19.68	19.48	20.00
	DFT-s-OFDM QPSK	1	1	19.58	19.34	19.60	20.00
		1	77	19.80	19.50	19.70	20.00
		36	18	19.90	19.32	19.54	20.00
		75	0	19.80	19.20	19.06	20.00
	DFT-s-OFDM 16QAM	1	1	19.26	19.78	19.10	20.00
	DFT-s-OFDM 64QAM	1	1	19.62	19.56	19.54	20.00
	DFT-s-OFDM 256QAM	1	1	18.71	19.09	18.77	19.50
	CP-OFDM QPSK	1	1	19.36	19.74	19.36	20.00
	CP-OFDM 16QAM	1	1	19.54	19.06	19.24	20.00
	CP-OFDM 64QAM	1	1	19.54	19.68	19.36	20.00
	CP-OFDM 256QAM	1	1	16.89	17.13	16.93	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				166800/834	167300/836.5	167800/839	
20MHz	DFT-s-OFDM BPSK	1	1	19.40	19.44	19.42	20.00
		1	104	19.22	19.36	19.68	20.00
		50	25	19.60	19.58	19.32	20.00
		100	0	19.32	19.54	19.58	20.00
	DFT-s-OFDM QPSK	1	1	19.46	19.36	19.42	20.00
		1	104	19.60	19.30	19.66	20.00
		50	25	19.76	19.28	19.46	20.00
		100	0	19.66	19.10	19.18	20.00

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	DFT-s-OFDM 16QAM	1	1	19.36	19.68	19.04	20.00
	DFT-s-OFDM 64QAM	1	1	19.50	19.46	19.28	20.00
	DFT-s-OFDM 256QAM	1	1	18.83	19.19	18.45	19.50
	CP-OFDM QPSK	1	1	19.38	19.72	19.30	20.00
	CP-OFDM 16QAM	1	1	19.32	19.14	19.14	20.00
	CP-OFDM 64QAM	1	1	19.42	19.56	19.02	20.00
	CP-OFDM 256QAM	1	1	16.85	17.17	16.73	17.50

n30							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				461500/2307.5	462000/2310	462500/2312.5	
5MHz	DFT-s-OFDM BPSK	1	1	21.96	21.78	21.88	23.00
		1	23	21.91	21.91	22.01	23.00
		12	6	21.98	22.06	22.22	23.00
		25	0	21.71	21.79	21.81	22.50
	DFT-s-OFDM QPSK	1	1	21.78	21.80	21.84	23.00
		1	23	21.74	21.86	22.02	23.00
		12	6	21.85	21.79	21.83	23.00
		25	0	20.92	20.82	20.82	22.00
	DFT-s-OFDM 16QAM	1	1	20.16	20.42	20.16	22.00
	DFT-s-OFDM 64QAM	1	1	19.03	19.15	19.25	20.50
	DFT-s-OFDM 256QAM	1	1	17.30	17.34	17.14	18.50
	CP-OFDM QPSK	1	1	21.32	21.44	21.38	21.50
	CP-OFDM 16QAM	1	1	20.38	20.34	20.48	21.00
	CP-OFDM 64QAM	1	1	18.98	19.04	19.18	19.50
	CP-OFDM 256QAM	1	1	16.04	15.94	16.14	16.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	462000/2310	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	21.90	/	23.00
		1	50	/	21.85	/	23.00
		25	12	/	22.06	/	23.00
		50	0	/	21.65	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.88	/	23.00
		1	50	/	21.84	/	23.00

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		25	12	/	21.79	/	23.00
		50	0	/	20.86	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.24	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	19.11	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.16	/	18.50
	CP-OFDM QPSK	1	1	/	21.38	/	21.50
	CP-OFDM 16QAM	1	1	/	20.30	/	21.00
	CP-OFDM 64QAM	1	1	/	19.08	/	19.50
	CP-OFDM 256QAM	1	1	/	16.02	/	16.50

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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				461500/2307.5	462000/2310	462500/2312.5	
5MHz	DFT-s-OFDM BPSK	1	1	13.32	13.20	13.34	14.00
		1	23	13.16	13.40	13.36	14.00
		12	6	13.18	13.32	13.26	14.00
		25	0	13.38	13.10	13.20	14.00
	DFT-s-OFDM QPSK	1	1	13.36	13.38	13.32	14.00
		1	23	13.34	13.10	13.24	14.00
		12	6	13.30	13.16	13.24	14.00
		25	0	13.22	13.30	13.34	14.00
	DFT-s-OFDM 16QAM	1	1	13.22	13.24	13.14	14.00
	DFT-s-OFDM 64QAM	1	1	13.36	13.14	13.34	14.00
	DFT-s-OFDM 256QAM	1	1	13.18	13.16	13.30	14.00
	CP-OFDM QPSK	1	1	13.14	13.12	13.14	14.00
	CP-OFDM 16QAM	1	1	13.38	13.16	13.18	14.00
	CP-OFDM 64QAM	1	1	13.28	13.32	13.30	14.00
CP-OFDM 256QAM	1	1	13.30	13.26	13.22	14.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	462000/2310	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	13.18	/	14.00
		1	50	/	13.20	/	14.00
		25	12	/	13.12	/	14.00
		50	0	/	13.36	/	14.00
	DFT-s-OFDM	1	1	/	13.42	/	14.00

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	QPSK	1	50	/	13.08	/	14.00
		25	12	/	13.36	/	14.00
		50	0	/	13.06	/	14.00
	DFT-s-OFDM 16QAM	1	1	/	13.32	/	14.00
	DFT-s-OFDM 64QAM	1	1	/	13.04	/	14.00
	DFT-s-OFDM 256QAM	1	1	/	13.08	/	14.00
	CP-OFDM QPSK	1	1	/	13.08	/	14.00
	CP-OFDM 16QAM	1	1	/	13.16	/	14.00
	CP-OFDM 64QAM	1	1	/	13.10	/	14.00
	CP-OFDM 256QAM	1	1	/	13.44	/	14.00

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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				515000/2575	519000/2595	523000/2615	
10MHz	DFT-s-OFDM BPSK	1	1	22.10	22.07	22.58	24.00
		1	22	22.51	22.07	22.03	24.00
		12	6	22.11	22.29	22.50	24.00
		24	0	22.12	22.16	22.03	23.50
	DFT-s-OFDM QPSK	1	1	22.15	22.93	22.52	24.00
		1	22	22.43	22.21	22.13	24.00
		12	6	22.28	22.27	22.67	24.00
		24	0	21.26	21.32	21.76	23.00
	DFT-s-OFDM 16QAM	1	1	21.26	21.21	21.81	23.00
	DFT-s-OFDM 64QAM	1	1	19.54	19.75	20.21	21.50
	DFT-s-OFDM 256QAM	1	1	17.67	17.52	18.22	19.50
	CP-OFDM QPSK	1	1	20.72	20.70	21.26	22.50
	CP-OFDM 16QAM	1	1	20.11	20.06	21.02	22.00
	CP-OFDM 64QAM	1	1	18.87	18.53	19.21	20.50
CP-OFDM 256QAM	1	1	15.52	15.69	16.19	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				515500/2577.5	519000/2595	522500/2612.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.24	22.13	22.76	24.00
		1	36	22.63	22.07	22.27	24.00
		18	9	22.31	22.41	22.48	24.00
		36	0	22.00	21.82	22.13	23.50

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	DFT-s-OFDM QPSK	1	1	22.29	22.95	22.60	24.00
		1	36	22.39	22.27	22.13	24.00
		18	9	22.24	22.49	22.61	24.00
		36	0	21.44	21.42	21.70	23.00
	DFT-s-OFDM 16QAM	1	1	21.02	21.37	21.81	23.00
	DFT-s-OFDM 64QAM	1	1	19.84	19.79	20.35	21.50
	DFT-s-OFDM 256QAM	1	1	17.65	17.52	18.14	19.50
	CP-OFDM QPSK	1	1	20.56	20.84	21.52	22.50
	CP-OFDM 16QAM	1	1	20.01	20.20	20.80	22.00
	CP-OFDM 64QAM	1	1	18.77	18.67	19.13	20.50
	CP-OFDM 256QAM	1	1	15.58	15.57	16.15	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				516000/2580	519000/2595	522000/2610	
20MHz	DFT-s-OFDM BPSK	1	1	22.16	22.23	22.66	24.00
		1	49	22.49	22.19	22.11	24.00
		25	12	22.17	22.43	22.48	24.00
		50	0	21.90	21.94	22.13	23.50
	DFT-s-OFDM QPSK	1	1	22.11	22.93	22.68	24.00
		1	49	22.31	22.19	22.17	24.00
		25	12	22.18	22.37	22.45	24.00
		50	0	21.36	21.44	21.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.06	21.21	21.83	23.00
	DFT-s-OFDM 64QAM	1	1	19.70	19.63	20.25	21.50
	DFT-s-OFDM 256QAM	1	1	17.65	17.60	18.06	19.50
	CP-OFDM QPSK	1	1	20.58	20.68	21.36	22.50
	CP-OFDM 16QAM	1	1	20.09	20.24	20.80	22.00
	CP-OFDM 64QAM	1	1	18.73	18.57	19.15	20.50
	CP-OFDM 256QAM	1	1	15.60	15.63	16.17	17.50
n38							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				515000/2575	519000/2595	523000/2615	
10MHz	DFT-s-OFDM BPSK	1	1	20.89	21.13	21.27	22.00
		1	22	21.26	21.04	21.26	22.00
		12	6	21.36	21.50	21.46	22.00

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		24	0	21.21	21.29	21.39	22.00
	DFT-s-OFDM QPSK	1	1	21.01	20.99	21.25	22.00
		1	22	21.10	21.32	21.26	22.00
		12	6	21.04	21.32	21.16	22.00
		24	0	21.23	21.33	21.53	22.00
	DFT-s-OFDM 16QAM	1	1	21.28	21.04	21.32	22.00
	DFT-s-OFDM 64QAM	1	1	20.83	20.87	21.33	22.00
	DFT-s-OFDM 256QAM	1	1	18.75	18.91	18.75	19.50
	CP-OFDM QPSK	1	1	20.86	21.24	21.10	22.00
	CP-OFDM 16QAM	1	1	20.74	20.74	20.90	22.00
	CP-OFDM 64QAM	1	1	19.84	19.72	20.02	20.50
	CP-OFDM 256QAM	1	1	17.13	16.83	16.57	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				515500/2577.5	519000/2595	522500/2612.5	
15MHz	DFT-s-OFDM BPSK	1	1	21.11	21.31	21.41	22.00
		1	36	21.38	21.26	21.18	22.00
		18	9	21.32	21.40	21.52	22.00
		36	0	21.11	21.63	21.39	22.00
	DFT-s-OFDM QPSK	1	1	20.93	21.17	21.37	22.00
		1	36	21.12	21.20	21.16	22.00
		18	9	21.16	21.30	21.38	22.00
		36	0	21.15	21.15	21.39	22.00
	DFT-s-OFDM 16QAM	1	1	21.16	21.10	21.16	22.00
	DFT-s-OFDM 64QAM	1	1	21.07	20.97	21.09	22.00
	DFT-s-OFDM 256QAM	1	1	19.03	18.85	18.81	19.50
	CP-OFDM QPSK	1	1	21.16	21.18	21.12	22.00
	CP-OFDM 16QAM	1	1	20.76	20.80	21.08	22.00
	CP-OFDM 64QAM	1	1	19.84	19.80	20.06	20.50
	CP-OFDM 256QAM	1	1	16.89	16.95	16.73	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				516000/2580	519000/2595	522000/2610	
20MHz	DFT-s-OFDM BPSK	1	1	21.01	21.23	21.31	22.00
		1	49	21.36	21.14	21.10	22.00
		25	12	21.38	21.46	21.38	22.00
		50	0	21.23	21.47	21.49	22.00

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	DFT-s-OFDM QPSK	1	1	21.01	21.07	21.21	22.00
		1	49	20.94	21.14	21.20	22.00
		25	12	21.18	21.26	21.22	22.00
		50	0	21.27	21.11	21.37	22.00
	DFT-s-OFDM 16QAM	1	1	21.12	21.12	21.24	22.00
	DFT-s-OFDM 64QAM	1	1	21.01	20.95	21.15	22.00
	DFT-s-OFDM 256QAM	1	1	18.93	18.71	18.93	19.50
	CP-OFDM QPSK	1	1	21.02	21.14	21.14	22.00
	CP-OFDM 16QAM	1	1	20.80	20.84	21.00	22.00
	CP-OFDM 64QAM	1	1	19.90	19.90	20.08	20.50
	CP-OFDM 256QAM	1	1	16.99	16.99	16.75	17.50

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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				/	462000/2310	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	23.04	/	24.00
		1	22	/	23.33	/	24.00
		12	6	/	23.34	/	24.00
		24	0	/	23.02	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.07	/	24.00
		1	22	/	23.36	/	24.00
		12	6	/	23.35	/	24.00
		24	0	/	22.60	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.32	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.80	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.69	/	19.50
	CP-OFDM QPSK	1	1	/	21.80	/	22.50
	CP-OFDM 16QAM	1	1	/	21.33	/	22.00
	CP-OFDM 64QAM	1	1	/	19.55	/	20.50
CP-OFDM 256QAM	1	1	/	16.80	/	17.50	

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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				/	471000/2355	/	
10MHz	DFT-s-OFDM	1	1	/	23.27	/	24.00

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	BPSK	1	22	/	23.40	/	24.00
		12	6	/	23.47	/	24.00
		24	0	/	23.22	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.28	/	24.00
		1	22	/	23.49	/	24.00
		12	6	/	23.49	/	24.00
		24	0	/	22.67	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.49	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.97	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.90	/	19.50
	CP-OFDM QPSK	1	1	/	22.03	/	22.50
	CP-OFDM 16QAM	1	1	/	21.58	/	22.00
	CP-OFDM 64QAM	1	1	/	19.78	/	20.50
	CP-OFDM 256QAM	1	1	/	16.95	/	17.50

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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				/	462000/2310	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	21.00	/	21.50
		1	22	/	20.91	/	21.50
		12	6	/	20.64	/	21.50
		24	0	/	20.97	/	21.50
	DFT-s-OFDM QPSK	1	1	/	20.82	/	21.50
		1	22	/	20.83	/	21.50
		12	6	/	20.72	/	21.50
		24	0	/	20.91	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.63	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	20.62	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.22	/	19.50
	CP-OFDM QPSK	1	1	/	20.58	/	21.50
	CP-OFDM 16QAM	1	1	/	20.72	/	21.50
	CP-OFDM 64QAM	1	1	/	19.65	/	20.50
CP-OFDM 256QAM	1	1	/	17.19	/	17.50	

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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
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Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				/	471000/2355	/	
10MHz	DFT-s-OFDM BPSK	1	1	/	20.56	/	21.50
		1	22	/	20.59	/	21.50
		12	6	/	20.88	/	21.50
		24	0	/	20.85	/	21.50
	DFT-s-OFDM QPSK	1	1	/	20.72	/	21.50
		1	22	/	20.63	/	21.50
		12	6	/	20.72	/	21.50
		24	0	/	20.71	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.48	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	20.30	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.86	/	19.50
	CP-OFDM QPSK	1	1	/	20.60	/	21.50
	CP-OFDM 16QAM	1	1	/	20.62	/	21.50
	CP-OFDM 64QAM	1	1	/	19.47	/	20.50
CP-OFDM 256QAM	1	1	/	16.98	/	17.50	
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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500202/2501.01	5185.98/2592.99	537000/2685	
10MHz	DFT-s-OFDM BPSK	1	1	22.27	22.41	23.14	24.00
		1	22	22.40	22.43	22.92	24.00
		12	6	22.53	22.51	23.13	24.00
		24	0	22.24	22.18	22.79	23.50
	DFT-s-OFDM QPSK	1	1	22.35	22.41	23.18	24.00
		1	22	22.46	22.42	22.94	24.00
		12	6	22.53	22.52	23.14	24.00
		24	0	22.73	21.66	22.27	23.00
	DFT-s-OFDM 16QAM	1	1	21.52	21.58	22.36	23.00
	DFT-s-OFDM 64QAM	1	1	20.00	20.13	20.75	21.50
	DFT-s-OFDM 256QAM	1	1	17.96	17.84	18.54	19.50
	CP-OFDM QPSK	1	1	21.08	21.17	21.89	22.50
	CP-OFDM 16QAM	1	1	20.60	20.72	21.45	22.00
	CP-OFDM 64QAM	1	1	18.82	18.96	19.67	20.50
	CP-OFDM	1	1	15.88	16.00	16.59	17.50

	256QAM						
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				500700/2503.5	518598/2592.99	536496/2682.48	
15MHz	DFT-s-OFDM BPSK	1	1	22.48	22.45	23.29	24.00
		1	36	22.53	22.44	23.18	24.00
		18	9	22.52	22.48	23.32	24.00
		36	0	22.26	22.15	22.99	23.50
	DFT-s-OFDM QPSK	1	1	22.49	22.35	23.34	24.00
		1	36	22.61	22.40	23.23	24.00
		18	9	22.57	22.46	23.31	24.00
		36	0	21.72	21.67	22.51	23.00
	DFT-s-OFDM 16QAM	1	1	21.66	21.55	22.50	23.00
	DFT-s-OFDM 64QAM	1	1	20.18	20.03	21.04	21.50
	DFT-s-OFDM 256QAM	1	1	17.95	17.80	18.74	19.50
	CP-OFDM QPSK	1	1	21.21	21.10	22.21	22.50
	CP-OFDM 16QAM	1	1	20.72	20.65	21.50	22.00
	CP-OFDM 64QAM	1	1	18.99	18.94	19.87	20.50
	CP-OFDM 256QAM	1	1	15.91	15.87	16.82	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	22.22	22.33	23.20	24.00
		1	49	22.38	22.35	23.15	24.00
		25	12	22.45	22.46	23.34	24.00
		50	0	22.06	22.10	22.97	23.50
	DFT-s-OFDM QPSK	1	1	22.29	22.30	23.19	24.00
		1	49	22.48	22.36	23.17	24.00
		25	12	22.41	22.41	23.31	24.00
		50	0	21.62	21.63	22.51	23.00
	DFT-s-OFDM 16QAM	1	1	21.48	21.55	22.38	23.00
	DFT-s-OFDM 64QAM	1	1	19.96	19.98	20.86	21.50
	DFT-s-OFDM 256QAM	1	1	17.65	17.86	18.73	19.50
	CP-OFDM QPSK	1	1	20.98	21.10	21.91	22.50
	CP-OFDM 16QAM	1	1	20.49	20.63	21.42	22.00
	CP-OFDM 64QAM	1	1	18.81	18.88	19.77	20.50
	CP-OFDM 256QAM	1	1	15.61	15.99	16.69	17.50

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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				500202/2501.01	5185.98/2592.99	537000/2685	
10MHz	DFT-s-OFDM BPSK	1	1	20.99	21.03	20.89	22.00
		1	22	21.20	21.08	21.02	22.00
		12	6	21.27	21.09	20.85	22.00
		24	0	20.75	21.11	20.75	22.00
	DFT-s-OFDM QPSK	1	1	20.91	21.09	20.89	22.00
		1	22	21.24	21.04	21.22	22.00
		12	6	21.05	21.01	21.25	22.00
		24	0	20.99	20.85	20.95	22.00
	DFT-s-OFDM 16QAM	1	1	21.01	21.21	21.11	22.00
	DFT-s-OFDM 64QAM	1	1	20.72	20.50	20.64	22.00
	DFT-s-OFDM 256QAM	1	1	19.44	19.20	19.26	19.50
	CP-OFDM QPSK	1	1	21.27	20.79	20.95	22.00
	CP-OFDM 16QAM	1	1	21.34	21.26	21.06	22.00
	CP-OFDM 64QAM	1	1	19.56	19.62	19.74	20.50
CP-OFDM 256QAM	1	1	17.31	17.13	17.41	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				500700/2503.5	518598/2592.99	536496/2682.48	
15MHz	DFT-s-OFDM BPSK	1	1	21.01	21.09	20.93	22.00
		1	36	21.06	20.84	20.94	22.00
		18	9	21.13	21.13	21.07	22.00
		36	0	21.09	21.11	20.95	22.00
	DFT-s-OFDM QPSK	1	1	20.99	20.85	21.23	22.00
		1	36	21.04	20.80	20.94	22.00
		18	9	21.19	21.03	21.23	22.00
		36	0	21.07	21.25	21.17	22.00
	DFT-s-OFDM 16QAM	1	1	21.13	21.01	21.11	22.00
	DFT-s-OFDM 64QAM	1	1	20.54	20.54	20.84	22.00
	DFT-s-OFDM 256QAM	1	1	19.24	19.10	19.36	19.50
	CP-OFDM QPSK	1	1	21.07	21.11	20.85	22.00
	CP-OFDM 16QAM	1	1	20.86	20.92	20.94	22.00
	CP-OFDM 64QAM	1	1	19.62	19.66	19.98	20.50
	CP-OFDM	1	1	17.49	17.31	17.13	17.50

	256QAM						
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	21.15	20.91	20.93	22.00
		1	49	21.14	20.96	21.18	22.00
		25	12	21.29	21.13	21.05	22.00
		50	0	20.99	20.93	21.05	22.00
	DFT-s-OFDM QPSK	1	1	20.93	21.09	21.19	22.00
		1	49	20.94	21.08	21.06	22.00
		25	12	21.13	21.01	21.15	22.00
		50	0	21.09	20.97	21.07	22.00
	DFT-s-OFDM 16QAM	1	1	21.19	21.01	21.23	22.00
	DFT-s-OFDM 64QAM	1	1	20.58	20.84	20.58	22.00
	DFT-s-OFDM 256QAM	1	1	19.30	19.36	19.12	19.50
	CP-OFDM QPSK	1	1	21.11	21.05	20.99	22.00
	CP-OFDM 16QAM	1	1	21.20	21.02	21.12	22.00
	CP-OFDM 64QAM	1	1	19.82	19.72	19.74	20.50
CP-OFDM 256QAM	1	1	17.25	17.39	17.33	17.50	
n48							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				637000/3555	641666/3624.99	646332/3694.98	
10MHz	DFT-s-OFDM BPSK	1	1	21.46	21.19	21.31	22.50
		1	22	21.42	21.07	21.34	22.50
		12	6	21.60	21.23	21.44	22.50
		24	0	21.11	20.76	20.88	22.00
	DFT-s-OFDM QPSK	1	1	21.50	21.22	21.33	22.50
		1	22	21.47	21.09	21.40	22.50
		12	6	21.53	21.26	21.39	22.50
		24	0	20.44	20.28	20.42	21.50
	DFT-s-OFDM 16QAM	1	1	20.45	20.18	20.29	21.50
	DFT-s-OFDM 64QAM	1	1	19.00	18.72	18.75	20.00
	DFT-s-OFDM 256QAM	1	1	16.75	16.37	16.52	18.00
	CP-OFDM QPSK	1	1	19.83	19.59	19.87	21.00
	CP-OFDM 16QAM	1	1	19.39	19.18	19.44	20.50
	CP-OFDM 64QAM	1	1	17.52	17.40	17.56	19.00

	CP-OFDM 256QAM	1	1	14.65	14.50	14.71	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				637168/3557.52	641666/3624.99	646166/3692.49	
15MHz	DFT-s-OFDM BPSK	1	1	21.31	21.28	21.32	22.50
		1	36	21.39	21.14	21.41	22.50
		18	9	21.46	21.31	21.57	22.50
		36	0	20.97	20.80	21.05	22.00
	DFT-s-OFDM QPSK	1	1	21.36	21.42	21.34	22.50
		1	36	21.43	21.15	21.44	22.50
		18	9	21.51	21.33	21.52	22.50
		36	0	20.43	20.29	20.52	21.50
	DFT-s-OFDM 16QAM	1	1	20.32	20.26	20.29	21.50
	DFT-s-OFDM 64QAM	1	1	18.84	18.83	18.92	20.00
	DFT-s-OFDM 256QAM	1	1	16.63	16.60	16.52	18.00
	CP-OFDM QPSK	1	1	19.96	19.93	19.91	21.00
	CP-OFDM 16QAM	1	1	19.41	19.33	19.37	20.50
	CP-OFDM 64QAM	1	1	17.43	17.56	17.71	19.00
	CP-OFDM 256QAM	1	1	14.66	14.62	14.74	16.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				637334/3560.01	641666/3624.99	646000/3690	
20MHz	DFT-s-OFDM BPSK	1	1	21.37	21.40	21.33	22.50
		1	49	21.49	21.14	21.42	22.50
		25	12	21.61	21.25	21.51	22.50
		50	0	21.03	20.75	20.96	22.00
	DFT-s-OFDM QPSK	1	1	21.55	21.44	21.33	22.50
		1	49	21.40	21.18	21.41	22.50
		25	12	21.60	21.31	21.50	22.50
		50	0	20.55	20.25	20.44	21.50
	DFT-s-OFDM 16QAM	1	1	20.34	20.42	20.54	21.50
	DFT-s-OFDM 64QAM	1	1	18.97	18.84	18.69	20.00
	DFT-s-OFDM 256QAM	1	1	16.52	16.47	16.42	18.00
	CP-OFDM QPSK	1	1	19.94	19.78	19.80	21.00
	CP-OFDM 16QAM	1	1	19.46	19.38	19.17	20.50
	CP-OFDM 64QAM	1	1	17.74	17.59	17.45	19.00
	CP-OFDM	1	1	14.63	14.16	14.51	16.00

	256QAM						
n48							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				637000/3555	641666/3624.99	646332/3694.98	
10MHz	DFT-s-OFDM BPSK	1	1	16.23	16.13	16.23	17.00
		1	22	16.18	16.12	16.12	17.00
		12	6	16.54	16.46	16.36	17.00
		24	0	16.53	16.37	16.65	17.00
	DFT-s-OFDM QPSK	1	1	16.23	16.31	16.09	17.00
		1	22	16.02	16.08	16.04	17.00
		12	6	16.42	16.46	16.28	17.00
		24	0	15.93	16.27	16.11	17.00
	DFT-s-OFDM 16QAM	1	1	16.34	16.02	16.38	17.00
	DFT-s-OFDM 64QAM	1	1	15.66	15.64	15.82	17.00
	DFT-s-OFDM 256QAM	1	1	16.17	16.01	16.13	17.00
	CP-OFDM QPSK	1	1	16.02	16.02	16.34	17.00
	CP-OFDM 16QAM	1	1	16.18	16.14	15.82	17.00
	CP-OFDM 64QAM	1	1	15.70	15.90	15.64	17.00
	CP-OFDM 256QAM	1	1	15.56	15.86	16.06	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				637168/3557.52	641666/3624.99	646166/3692.49	
15MHz	DFT-s-OFDM BPSK	1	1	16.21	16.47	16.47	17.00
		1	36	16.28	16.26	16.10	17.00
		18	9	16.54	16.48	16.40	17.00
		36	0	16.37	16.47	16.59	17.00
	DFT-s-OFDM QPSK	1	1	16.27	16.17	16.17	17.00
		1	36	16.26	16.00	16.24	17.00
		18	9	16.40	16.16	16.42	17.00
		36	0	16.21	16.25	16.37	17.00
	DFT-s-OFDM 16QAM	1	1	16.36	16.30	16.24	17.00
	DFT-s-OFDM 64QAM	1	1	16.10	15.80	16.02	17.00
	DFT-s-OFDM 256QAM	1	1	16.07	16.13	16.11	17.00
	CP-OFDM QPSK	1	1	16.28	16.24	16.26	17.00
	CP-OFDM 16QAM	1	1	16.02	16.24	16.04	17.00
	CP-OFDM 64QAM	1	1	15.82	15.92	16.04	17.00

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	CP-OFDM 256QAM	1	1	15.70	15.70	15.78	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				637334/3560.01	641666/3624.99	646000/3690	
20MHz	DFT-s-OFDM BPSK	1	1	16.43	16.25	16.29	17.00
		1	49	16.34	16.22	16.16	17.00
		25	12	16.32	16.62	16.30	17.00
		50	0	16.51	16.57	16.45	17.00
	DFT-s-OFDM QPSK	1	1	16.05	16.20	16.19	17.00
		1	49	16.33	16.16	16.18	17.00
		25	12	16.38	16.24	16.18	17.00
		50	0	16.15	16.41	16.31	17.00
	DFT-s-OFDM 16QAM	1	1	16.04	16.02	16.22	17.00
	DFT-s-OFDM 64QAM	1	1	16.12	15.90	15.90	17.00
	DFT-s-OFDM 256QAM	1	1	15.93	16.17	15.95	17.00
	CP-OFDM QPSK	1	1	16.00	16.04	16.24	17.00
	CP-OFDM 16QAM	1	1	16.00	15.92	16.24	17.00
	CP-OFDM 64QAM	1	1	16.12	15.96	15.86	17.00
CP-OFDM 256QAM	1	1	15.66	15.72	15.80	17.00	
n66							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.60	22.24	22.78	24.00
		1	23	22.22	22.30	22.40	24.00
		12	6	22.00	22.13	22.33	24.00
		25	0	22.11	22.41	22.31	23.50
	DFT-s-OFDM QPSK	1	1	22.80	22.49	22.56	24.00
		1	23	22.44	22.22	22.50	24.00
		12	6	22.09	22.00	22.36	24.00
		25	0	21.59	21.39	21.33	23.00
	DFT-s-OFDM 16QAM	1	1	21.74	21.66	21.52	23.00
	DFT-s-OFDM 64QAM	1	1	20.27	20.47	20.19	21.50
	DFT-s-OFDM 256QAM	1	1	18.35	18.25	18.47	19.50
	CP-OFDM QPSK	1	1	21.46	21.26	21.34	22.50
	CP-OFDM 16QAM	1	1	20.83	20.85	20.71	22.00

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	CP-OFDM 64QAM	1	1	19.44	19.34	19.42	20.50
	CP-OFDM 256QAM	1	1	16.64	16.64	16.58	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	22.46	22.44	22.70	24.00
		1	50	22.52	22.30	22.48	24.00
		25	12	22.28	22.11	22.21	24.00
		50	0	22.37	22.57	22.19	23.50
	DFT-s-OFDM QPSK	1	1	22.62	22.31	22.40	24.00
		1	50	22.24	22.38	22.50	24.00
		25	12	22.33	22.04	22.24	24.00
		50	0	21.37	21.39	21.25	23.00
	DFT-s-OFDM 16QAM	1	1	21.50	21.82	21.46	23.00
	DFT-s-OFDM 64QAM	1	1	20.23	20.43	20.15	21.50
	DFT-s-OFDM 256QAM	1	1	18.29	18.19	18.71	19.50
	CP-OFDM QPSK	1	1	21.12	21.20	21.22	22.50
	CP-OFDM 16QAM	1	1	20.81	20.93	20.89	22.00
	CP-OFDM 64QAM	1	1	19.54	19.50	19.30	20.50
	CP-OFDM 256QAM	1	1	16.60	16.48	16.56	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.44	22.34	22.80	24.00
		1	77	22.44	22.12	22.22	24.00
		36	18	22.02	22.15	22.21	24.00
		75	0	22.37	22.49	22.29	23.50
	DFT-s-OFDM QPSK	1	1	22.66	22.51	22.70	24.00
		1	77	22.34	22.22	22.30	24.00
		36	18	22.17	22.20	22.46	24.00
		75	0	21.45	21.59	21.35	23.00
	DFT-s-OFDM 16QAM	1	1	21.70	21.60	21.54	23.00
	DFT-s-OFDM 64QAM	1	1	20.21	20.25	20.31	21.50
	DFT-s-OFDM 256QAM	1	1	18.45	18.31	18.61	19.50
	CP-OFDM QPSK	1	1	21.38	21.32	21.32	22.50
	CP-OFDM 16QAM	1	1	20.93	20.81	20.79	22.00
	CP-OFDM 64QAM	1	1	19.28	19.46	19.48	20.50

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	CP-OFDM 256QAM	1	1	16.60	16.74	16.82	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	22.56	22.32	22.62	24.00
		1	104	22.30	22.20	22.26	24.00
		50	25	22.10	22.21	22.29	24.00
		100	0	22.19	22.37	22.21	23.50
	DFT-s-OFDM QPSK	1	1	22.64	22.37	22.58	24.00
		1	104	22.28	22.18	22.34	24.00
		50	25	22.17	22.10	22.32	24.00
		100	0	21.49	21.47	21.37	23.00
	DFT-s-OFDM 16QAM	1	1	21.64	21.64	21.54	23.00
	DFT-s-OFDM 64QAM	1	1	20.27	20.31	20.25	21.50
	DFT-s-OFDM 256QAM	1	1	18.41	18.29	18.55	19.50
	CP-OFDM QPSK	1	1	21.30	21.20	21.26	22.50
	CP-OFDM 16QAM	1	1	20.79	20.81	20.79	22.00
	CP-OFDM 64QAM	1	1	19.40	19.36	19.44	20.50
CP-OFDM 256QAM	1	1	16.48	16.64	16.64	17.50	
n66							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	17.02	16.82	16.96	17.50
		1	23	16.75	16.89	16.87	17.50
		12	6	16.90	16.88	16.68	17.50
		25	0	16.81	16.73	16.85	17.50
	DFT-s-OFDM QPSK	1	1	16.94	16.78	16.90	17.50
		1	23	16.63	16.85	16.71	17.50
		12	6	16.86	16.80	16.62	17.50
		25	0	16.77	17.09	17.07	17.50
	DFT-s-OFDM 16QAM	1	1	17.02	17.26	17.24	17.50
	DFT-s-OFDM 64QAM	1	1	16.57	16.45	16.79	17.50
	DFT-s-OFDM 256QAM	1	1	16.44	16.44	16.38	17.50
	CP-OFDM QPSK	1	1	16.56	16.80	16.56	17.50
	CP-OFDM 16QAM	1	1	17.06	16.90	17.04	17.50

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	CP-OFDM 64QAM	1	1	16.53	16.63	16.43	17.50
	CP-OFDM 256QAM	1	1	16.46	16.52	16.52	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	17.10	16.52	17.20	17.50
		1	50	16.75	16.77	17.05	17.50
		25	12	16.74	16.76	16.62	17.50
		50	0	16.67	16.97	16.79	17.50
	DFT-s-OFDM QPSK	1	1	17.08	16.74	16.90	17.50
		1	50	16.81	16.59	16.67	17.50
		25	12	16.56	16.42	16.90	17.50
		50	0	16.91	17.17	16.79	17.50
	DFT-s-OFDM 16QAM	1	1	17.00	17.04	17.08	17.50
	DFT-s-OFDM 64QAM	1	1	16.63	16.57	16.79	17.50
	DFT-s-OFDM 256QAM	1	1	16.76	16.28	16.46	17.50
	CP-OFDM QPSK	1	1	16.74	16.66	16.74	17.50
	CP-OFDM 16QAM	1	1	16.80	16.82	16.90	17.50
	CP-OFDM 64QAM	1	1	16.35	16.37	16.41	17.50
	CP-OFDM 256QAM	1	1	16.22	16.54	16.76	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	16.76	16.62	17.02	17.50
		1	77	16.67	16.59	16.99	17.50
		36	18	16.92	16.80	16.90	17.50
		75	0	17.07	16.97	16.87	17.50
	DFT-s-OFDM QPSK	1	1	16.96	16.90	16.96	17.50
		1	77	16.63	16.79	16.69	17.50
		36	18	16.60	16.70	16.64	17.50
		75	0	16.89	16.87	17.01	17.50
	DFT-s-OFDM 16QAM	1	1	16.80	17.02	17.36	17.50
	DFT-s-OFDM 64QAM	1	1	16.67	16.45	16.63	17.50
	DFT-s-OFDM 256QAM	1	1	16.46	16.14	16.40	17.50
	CP-OFDM QPSK	1	1	16.48	16.74	16.44	17.50
	CP-OFDM 16QAM	1	1	17.20	16.78	17.08	17.50
	CP-OFDM 64QAM	1	1	16.53	16.65	16.39	17.50

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	CP-OFDM 256QAM	1	1	16.70	16.36	16.68	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	16.88	16.80	17.02	17.50
		1	104	16.77	16.75	16.89	17.50
		50	25	16.80	16.78	16.74	17.50
		100	0	16.85	16.75	16.77	17.50
	DFT-s-OFDM QPSK	1	1	16.83	16.88	16.76	17.50
		1	104	16.65	16.73	16.63	17.50
		50	25	16.85	16.85	16.70	17.50
		100	0	16.75	17.01	17.03	17.50
	DFT-s-OFDM 16QAM	1	1	16.98	17.14	17.18	17.50
	DFT-s-OFDM 64QAM	1	1	16.55	16.43	16.63	17.50
	DFT-s-OFDM 256QAM	1	1	16.50	16.28	16.38	17.50
	CP-OFDM QPSK	1	1	16.66	16.74	16.62	17.50
	CP-OFDM 16QAM	1	1	16.98	16.94	17.02	17.50
	CP-OFDM 64QAM	1	1	16.51	16.59	16.45	17.50
	CP-OFDM 256QAM	1	1	16.54	16.40	16.56	17.50
n70							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				339500/1697.5	340500/1702.5	341500/1707.5	
5MHz	DFT-s-OFDM BPSK	1	1	23.19	23.25	22.87	24.00
		1	23	22.84	22.96	22.88	24.00
		12	6	23.04	23.02	23.12	24.00
		25	0	22.28	22.32	22.26	23.50
	DFT-s-OFDM QPSK	1	1	23.05	23.27	23.27	24.00
		1	23	23.18	23.12	23.14	24.00
		12	6	23.00	23.36	23.08	24.00
		25	0	22.52	22.28	22.30	23.00
	DFT-s-OFDM 16QAM	1	1	22.47	22.67	22.71	23.00
	DFT-s-OFDM 64QAM	1	1	20.43	20.45	20.29	21.50
	DFT-s-OFDM 256QAM	1	1	18.37	18.13	18.13	19.50
	CP-OFDM QPSK	1	1	21.64	21.84	21.68	22.50
	CP-OFDM 16QAM	1	1	21.72	21.84	21.74	22.00

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	CP-OFDM 64QAM	1	1	19.52	19.50	19.38	20.50
	CP-OFDM 256QAM	1	1	16.49	16.55	16.29	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				340000/1695.32	340500/1702.5	341000/1705	
10MHz	DFT-s-OFDM BPSK	1	1	23.09	23.21	23.11	24.00
		1	50	22.98	22.94	22.84	24.00
		25	12	23.34	23.10	23.28	24.00
		50	0	22.22	22.32	22.52	23.50
	DFT-s-OFDM QPSK	1	1	23.23	23.07	23.03	24.00
		1	50	23.18	23.08	23.14	24.00
		25	12	23.28	23.20	23.18	24.00
		50	0	22.26	22.28	22.50	23.00
	DFT-s-OFDM 16QAM	1	1	22.57	22.53	22.79	23.00
	DFT-s-OFDM 64QAM	1	1	20.49	20.35	20.55	21.50
	DFT-s-OFDM 256QAM	1	1	18.23	18.33	18.35	19.50
	CP-OFDM QPSK	1	1	21.96	21.70	21.86	22.50
	CP-OFDM 16QAM	1	1	21.78	21.68	21.60	22.00
	CP-OFDM 64QAM	1	1	19.46	19.64	19.38	20.50
	CP-OFDM 256QAM	1	1	16.27	16.47	16.45	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	340500/1702.5	/	
15MHz	DFT-s-OFDM BPSK	1	1	/	23.03	/	24.00
		1	77	/	22.96	/	24.00
		36	18	/	23.18	/	24.00
		75	0	/	22.34	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.13	/	24.00
		1	77	/	23.02	/	24.00
		36	18	/	23.16	/	24.00
		75	0	/	22.34	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.63	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.45	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.31	/	19.50
	CP-OFDM QPSK	1	1	/	21.82	/	22.50
	CP-OFDM 16QAM	1	1	/	21.66	/	22.00
	CP-OFDM 64QAM	1	1	/	19.46	/	20.50

	CP-OFDM 256QAM	1	1	/	16.35	/	17.50
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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				339500/1697.5	340500/1702.5	341500/1707.5	
5MHz	DFT-s-OFDM BPSK	1	1	16.90	17.04	16.78	17.50
		1	23	16.95	16.77	16.69	17.50
		12	6	16.66	16.46	16.72	17.50
		25	0	16.43	16.43	16.57	17.50
	DFT-s-OFDM QPSK	1	1	16.72	16.82	16.64	17.50
		1	23	16.61	16.61	16.59	17.50
		12	6	16.82	16.74	16.60	17.50
		25	0	16.47	16.65	16.55	17.50
	DFT-s-OFDM 16QAM	1	1	16.49	16.71	16.65	17.50
	DFT-s-OFDM 64QAM	1	1	16.45	16.43	16.49	17.50
	DFT-s-OFDM 256QAM	1	1	16.42	16.50	16.52	17.50
	CP-OFDM QPSK	1	1	16.82	16.62	16.46	17.50
	CP-OFDM 16QAM	1	1	16.99	16.99	16.95	17.50
	CP-OFDM 64QAM	1	1	15.98	16.30	16.24	17.50
CP-OFDM 256QAM	1	1	16.39	16.25	16.21	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				340000/1695.32	340500/1702.5	341000/1705	
10MHz	DFT-s-OFDM BPSK	1	1	16.98	17.02	16.80	17.50
		1	50	16.97	16.87	16.73	17.50
		25	12	16.74	16.54	16.62	17.50
		50	0	16.39	16.69	16.61	17.50
	DFT-s-OFDM QPSK	1	1	16.88	16.68	16.96	17.50
		1	50	16.85	16.77	16.95	17.50
		25	12	16.52	16.54	16.58	17.50
		50	0	16.53	16.45	16.51	17.50
	DFT-s-OFDM 16QAM	1	1	16.63	16.69	16.55	17.50
	DFT-s-OFDM 64QAM	1	1	16.31	16.29	16.33	17.50
	DFT-s-OFDM 256QAM	1	1	16.40	16.24	16.42	17.50
	CP-OFDM QPSK	1	1	16.54	16.52	16.78	17.50
	CP-OFDM 16QAM	1	1	16.99	17.03	17.13	17.50

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	CP-OFDM 64QAM	1	1	16.26	16.14	16.02	17.50
	CP-OFDM 256QAM	1	1	16.13	16.43	16.35	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				/	340500/1702.5	/	
15MHz	DFT-s-OFDM BPSK	1	1	/	16.92	/	17.50
		1	77	/	16.83	/	17.50
		36	18	/	16.58	/	17.50
		75	0	/	16.51	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.90	/	17.50
		1	77	/	16.77	/	17.50
		36	18	/	17.11	/	17.50
		75	0	/	16.95	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.61	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.31	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.32	/	17.50
	CP-OFDM QPSK	1	1	/	16.64	/	17.50
	CP-OFDM 16QAM	1	1	/	17.07	/	17.50
	CP-OFDM 64QAM	1	1	/	16.10	/	17.50
	CP-OFDM 256QAM	1	1	/	16.25	/	17.50

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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				133100/665.5	136100/680.5	139100/695.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.41	22.21	22.94	24.00
		1	23	22.51	22.19	22.71	24.00
		12	6	22.79	22.47	22.97	24.00
		25	0	22.31	21.96	21.62	23.50
	DFT-s-OFDM QPSK	1	1	22.58	22.24	22.79	24.00
		1	23	22.27	22.16	22.67	24.00
		12	6	22.79	22.12	22.95	24.00
		25	0	21.50	21.60	21.42	23.00
	DFT-s-OFDM 16QAM	1	1	21.41	21.31	21.73	23.00
	DFT-s-OFDM 64QAM	1	1	20.09	20.27	20.01	21.50
	DFT-s-OFDM 256QAM	1	1	18.47	18.69	18.29	19.50
	CP-OFDM QPSK	1	1	21.78	21.74	21.58	22.50

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	CP-OFDM 16QAM	1	1	20.71	20.65	20.65	22.00
	CP-OFDM 64QAM	1	1	18.72	18.98	18.68	20.50
	CP-OFDM 256QAM	1	1	16.55	16.67	16.03	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				133600/668	136100/680.5	138600/693	
10MHz	DFT-s-OFDM BPSK	1	1	22.47	22.07	22.68	24.00
		1	50	22.57	22.01	22.49	24.00
		25	12	22.73	22.41	23.21	24.00
		50	0	22.49	21.74	21.52	23.50
	DFT-s-OFDM QPSK	1	1	22.72	22.36	22.73	24.00
		1	50	22.41	22.44	22.59	24.00
		25	12	22.55	22.14	22.87	24.00
		50	0	21.40	21.70	21.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.33	21.51	21.83	23.00
	DFT-s-OFDM 64QAM	1	1	20.11	20.31	19.83	21.50
	DFT-s-OFDM 256QAM	1	1	18.67	18.83	18.25	19.50
	CP-OFDM QPSK	1	1	21.56	21.72	21.76	22.50
	CP-OFDM 16QAM	1	1	20.71	20.63	20.37	22.00
	CP-OFDM 64QAM	1	1	18.62	19.18	18.74	20.50
	CP-OFDM 256QAM	1	1	16.45	16.71	16.21	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134100/670.5	136100/680.5	138100/690.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.47	22.09	22.98	24.00
		1	77	22.67	22.17	22.49	24.00
		36	18	22.73	22.49	23.07	24.00
		75	0	22.39	21.90	21.56	23.50
	DFT-s-OFDM QPSK	1	1	22.76	22.12	22.81	24.00
		1	77	22.39	22.30	22.75	24.00
		36	18	22.73	22.08	22.99	24.00
		75	0	21.60	21.54	21.46	23.00
	DFT-s-OFDM 16QAM	1	1	21.31	21.53	21.59	23.00
	DFT-s-OFDM 64QAM	1	1	20.23	20.49	19.89	21.50
	DFT-s-OFDM 256QAM	1	1	18.75	18.81	18.45	19.50
	CP-OFDM QPSK	1	1	21.68	22.00	21.72	22.50
	CP-OFDM 16QAM	1	1	20.47	20.77	20.51	22.00

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	CP-OFDM 64QAM	1	1	18.84	19.22	18.66	20.50
	CP-OFDM 256QAM	1	1	16.49	16.53	16.15	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134600/673	136100/680.5	137600/688	
20MHz	DFT-s-OFDM BPSK	1	1	22.51	22.21	22.82	24.00
		1	104	22.51	22.09	22.59	24.00
		50	25	22.75	22.35	23.05	24.00
		100	0	22.39	21.84	21.64	23.50
	DFT-s-OFDM QPSK	1	1	22.64	22.14	22.75	24.00
		1	104	22.37	22.24	22.63	24.00
		50	25	22.69	22.16	22.91	24.00
		100	0	21.46	21.60	21.46	23.00
	DFT-s-OFDM 16QAM	1	1	21.41	21.35	21.61	23.00
	DFT-s-OFDM 64QAM	1	1	20.13	20.37	20.01	21.50
	DFT-s-OFDM 256QAM	1	1	18.57	18.65	18.35	19.50
	CP-OFDM QPSK	1	1	21.72	21.84	21.66	22.50
	CP-OFDM 16QAM	1	1	20.55	20.65	20.53	22.00
	CP-OFDM 64QAM	1	1	18.76	19.04	18.64	20.50
	CP-OFDM 256QAM	1	1	16.51	16.65	16.11	17.50

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Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				133100/665.5	136100/680.5	139100/695.5	
5MHz	DFT-s-OFDM BPSK	1	1	17.95	17.91	17.95	18.50
		1	23	17.70	17.82	17.62	18.50
		12	6	17.62	17.56	17.60	18.50
		25	0	17.66	17.82	17.84	18.50
	DFT-s-OFDM QPSK	1	1	17.93	17.99	17.77	18.50
		1	23	17.84	17.86	17.68	18.50
		12	6	17.70	17.50	17.64	18.50
		25	0	17.76	17.66	17.74	18.50
	DFT-s-OFDM 16QAM	1	1	17.78	17.98	17.96	18.50
	DFT-s-OFDM 64QAM	1	1	17.20	17.12	17.36	18.50
	DFT-s-OFDM 256QAM	1	1	17.36	17.34	17.22	18.50
	CP-OFDM QPSK	1	1	17.87	17.93	17.87	18.50

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	CP-OFDM 16QAM	1	1	18.18	18.10	18.16	18.50
	CP-OFDM 64QAM	1	1	17.66	17.74	17.52	18.50
	CP-OFDM 256QAM	1	1	16.80	16.86	16.62	18.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				133600/668	136100/680.5	138600/693	
10MHz	DFT-s-OFDM BPSK	1	1	17.79	18.03	17.65	18.50
		1	50	17.74	17.46	17.90	18.50
		25	12	17.34	17.64	17.50	18.50
		50	0	17.42	17.76	17.94	18.50
	DFT-s-OFDM QPSK	1	1	17.69	17.83	17.75	18.50
		1	50	17.66	17.86	17.88	18.50
		25	12	17.72	17.56	17.44	18.50
		50	0	17.88	17.56	17.86	18.50
	DFT-s-OFDM 16QAM	1	1	17.82	17.58	17.84	18.50
	DFT-s-OFDM 64QAM	1	1	17.06	17.30	17.04	18.50
	DFT-s-OFDM 256QAM	1	1	17.30	17.40	17.20	18.50
	CP-OFDM QPSK	1	1	17.85	18.05	17.79	18.50
	CP-OFDM 16QAM	1	1	18.10	17.84	18.42	18.50
	CP-OFDM 64QAM	1	1	17.68	17.78	17.54	18.50
	CP-OFDM 256QAM	1	1	16.78	16.66	16.72	18.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134100/670.5	136100/680.5	138100/690.5	
15MHz	DFT-s-OFDM BPSK	1	1	17.71	17.95	18.05	18.50
		1	77	17.88	17.58	17.94	18.50
		36	18	17.54	17.68	17.76	18.50
		75	0	17.92	17.90	17.76	18.50
	DFT-s-OFDM QPSK	1	1	17.75	17.95	18.05	18.50
		1	77	17.54	17.54	17.86	18.50
		36	18	17.52	17.72	17.40	18.50
		75	0	17.58	17.84	17.92	18.50
	DFT-s-OFDM 16QAM	1	1	17.70	17.90	17.70	18.50
	DFT-s-OFDM 64QAM	1	1	17.44	17.38	17.30	18.50
	DFT-s-OFDM 256QAM	1	1	17.34	17.08	17.04	18.50
	CP-OFDM QPSK	1	1	17.69	17.95	18.09	18.50
	CP-OFDM 16QAM	1	1	18.10	17.94	17.90	18.50

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	CP-OFDM 64QAM	1	1	17.50	17.54	17.44	18.50
	CP-OFDM 256QAM	1	1	16.60	16.70	16.74	18.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134600/673	136100/680.5	137600/688	
20MHz	DFT-s-OFDM BPSK	1	1	17.95	17.97	17.87	18.50
		1	104	17.68	17.84	17.72	18.50
		50	25	17.64	17.44	17.56	18.50
		100	0	17.88	17.74	17.68	18.50
	DFT-s-OFDM QPSK	1	1	17.88	17.73	18.01	18.50
		1	104	17.74	17.88	17.88	18.50
		50	25	17.54	17.64	17.74	18.50
		100	0	17.76	17.86	17.58	18.50
	DFT-s-OFDM 16QAM	1	1	17.92	17.98	17.92	18.50
	DFT-s-OFDM 64QAM	1	1	17.10	17.12	17.22	18.50
	DFT-s-OFDM 256QAM	1	1	17.28	17.10	17.32	18.50
	CP-OFDM QPSK	1	1	17.81	17.99	17.83	18.50
	CP-OFDM 16QAM	1	1	18.24	18.06	18.12	18.50
	CP-OFDM 64QAM	1	1	17.70	17.60	17.70	18.50
	CP-OFDM 256QAM	1	1	16.86	16.66	16.68	18.50

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Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630334/3455	633332/3500	636334/3545.01	
10MHz	DFT-s-OFDM BPSK	1	1	22.12	22.64	22.59	24.00
		1	22	22.22	22.61	22.53	24.00
		12	6	22.15	22.43	22.91	24.00
		24	0	22.13	22.19	22.59	23.50
	DFT-s-OFDM QPSK	1	1	22.34	22.75	22.87	24.00
		1	22	22.27	22.37	22.61	24.00
		12	6	22.26	22.78	22.57	24.00
		24	0	21.23	21.65	22.06	23.00
	DFT-s-OFDM 16QAM	1	1	21.47	21.56	22.04	23.00
	DFT-s-OFDM 64QAM	1	1	20.13	20.38	20.69	21.50
	DFT-s-OFDM 256QAM	1	1	17.73	17.87	18.06	19.50
	CP-OFDM QPSK	1	1	20.95	21.37	21.33	22.50

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	CP-OFDM 16QAM	1	1	20.54	20.93	21.13	22.00
	CP-OFDM 64QAM	1	1	18.68	18.90	19.09	20.50
	CP-OFDM 256QAM	1	1	15.52	15.98	15.89	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630500/3457.5	633332/3500	636160/3542.4	
15MHz	DFT-s-OFDM BPSK	1	1	22.36	22.46	22.81	24.00
		1	36	22.26	22.43	22.59	24.00
		18	9	22.11	22.77	22.91	24.00
		36	0	21.97	22.25	22.55	23.50
	DFT-s-OFDM QPSK	1	1	22.28	22.69	22.89	24.00
		1	36	22.21	22.57	22.77	24.00
		18	9	22.28	22.48	22.79	24.00
		36	0	21.51	21.81	22.04	23.00
	DFT-s-OFDM 16QAM	1	1	21.53	21.80	22.02	23.00
	DFT-s-OFDM 64QAM	1	1	20.03	20.24	20.39	21.50
	DFT-s-OFDM 256QAM	1	1	17.59	18.11	18.04	19.50
	CP-OFDM QPSK	1	1	21.09	21.29	21.43	22.50
	CP-OFDM 16QAM	1	1	20.32	20.79	20.85	22.00
	CP-OFDM 64QAM	1	1	18.66	19.22	19.07	20.50
	CP-OFDM 256QAM	1	1	15.64	15.70	16.23	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630666/3460	633332/3500	635998/3540	
20MHz	DFT-s-OFDM BPSK	1	1	22.20	22.56	22.73	24.00
		1	49	22.22	22.53	22.61	24.00
		25	12	22.19	22.61	22.75	24.00
		50	0	21.91	22.29	22.37	23.50
	DFT-s-OFDM QPSK	1	1	22.20	22.53	22.75	24.00
		1	49	22.19	22.53	22.59	24.00
		25	12	22.20	22.58	22.71	24.00
		50	0	21.39	21.77	21.90	23.00
	DFT-s-OFDM 16QAM	1	1	21.37	21.72	21.92	23.00
	DFT-s-OFDM 64QAM	1	1	20.01	20.28	20.47	21.50
	DFT-s-OFDM 256QAM	1	1	17.61	18.01	18.16	19.50
	CP-OFDM QPSK	1	1	20.97	21.27	21.41	22.50
	CP-OFDM 16QAM	1	1	20.42	20.71	20.91	22.00

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	CP-OFDM 64QAM	1	1	18.76	19.06	19.17	20.50
	CP-OFDM 256QAM	1	1	15.68	15.82	16.05	17.50
n77							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630334/3455	633332/3500	636334/3545.01	
10MHz	DFT-s-OFDM BPSK	1	1	22.26	22.46	22.81	24.00
		1	22	22.22	22.49	22.49	24.00
		12	6	22.11	22.47	22.83	24.00
		24	0	22.01	22.47	22.45	23.50
	DFT-s-OFDM QPSK	1	1	22.44	22.47	23.01	24.00
		1	22	22.23	22.47	22.57	24.00
		12	6	22.44	22.56	22.81	24.00
		24	0	21.27	21.73	22.02	23.00
	DFT-s-OFDM 16QAM	1	1	21.25	21.98	21.90	23.00
	DFT-s-OFDM 64QAM	1	1	19.99	20.34	20.51	21.50
	DFT-s-OFDM 256QAM	1	1	17.61	18.17	18.26	19.50
	CP-OFDM QPSK	1	1	20.99	21.17	21.55	22.50
	CP-OFDM 16QAM	1	1	20.62	20.57	21.07	22.00
	CP-OFDM 64QAM	1	1	18.62	18.92	19.27	20.50
	CP-OFDM 256QAM	1	1	15.58	15.98	16.19	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630500/3457.5	633332/3500	636160/3542.4	
15MHz	DFT-s-OFDM BPSK	1	1	22.30	22.48	22.67	24.00
		1	36	22.32	22.35	22.49	24.00
		18	9	22.31	22.67	22.73	24.00
		36	0	22.23	22.55	22.41	23.50
	DFT-s-OFDM QPSK	1	1	22.46	22.47	22.97	24.00
		1	36	22.29	22.53	22.51	24.00
		18	9	22.30	22.78	22.77	24.00
		36	0	21.27	21.83	21.90	23.00
	DFT-s-OFDM 16QAM	1	1	21.47	21.98	22.06	23.00
	DFT-s-OFDM 64QAM	1	1	19.85	20.34	20.63	21.50
	DFT-s-OFDM 256QAM	1	1	17.45	18.11	18.24	19.50
	CP-OFDM QPSK	1	1	20.89	21.31	21.53	22.50

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	CP-OFDM 16QAM	1	1	20.34	20.63	21.13	22.00
	CP-OFDM 64QAM	1	1	18.70	19.14	19.21	20.50
	CP-OFDM 256QAM	1	1	15.58	16.04	16.19	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647334/3710	656000/3840	664666/3970	
20MHz	DFT-s-OFDM BPSK	1	1	22.24	22.56	22.79	24.00
		1	49	22.24	22.43	22.51	24.00
		25	12	22.19	22.57	22.73	24.00
		50	0	22.07	22.43	22.31	23.50
	DFT-s-OFDM QPSK	1	1	22.30	22.47	22.93	24.00
		1	49	22.15	22.55	22.59	24.00
		25	12	22.38	22.64	22.89	24.00
		50	0	21.29	21.69	21.98	23.00
	DFT-s-OFDM 16QAM	1	1	21.29	21.90	22.00	23.00
	DFT-s-OFDM 64QAM	1	1	19.89	20.26	20.57	21.50
	DFT-s-OFDM 256QAM	1	1	17.57	18.09	18.24	19.50
	CP-OFDM QPSK	1	1	21.01	21.23	21.53	22.50
	CP-OFDM 16QAM	1	1	20.46	20.63	21.01	22.00
	CP-OFDM 64QAM	1	1	18.72	18.98	19.23	20.50
	CP-OFDM 256QAM	1	1	15.68	15.88	16.07	17.50
n77							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630334/3455	633332/3500	636334/3545.01	
10MHz	DFT-s-OFDM BPSK	1	1	16.43	16.23	16.01	17.50
		1	22	16.37	16.13	16.17	17.50
		12	6	15.93	16.15	16.41	17.50
		24	0	16.62	16.34	16.34	17.50
	DFT-s-OFDM QPSK	1	1	16.25	15.79	16.09	17.50
		1	22	16.05	16.27	16.42	17.50
		12	6	15.85	16.31	16.45	17.50
		24	0	16.22	16.52	16.68	17.50
	DFT-s-OFDM 16QAM	1	1	16.22	16.14	16.42	17.50
	DFT-s-OFDM 64QAM	1	1	15.61	15.81	15.93	17.50
	DFT-s-OFDM 256QAM	1	1	16.30	15.88	16.26	17.50

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	CP-OFDM QPSK	1	1	16.08	15.98	16.10	17.50
	CP-OFDM 16QAM	1	1	16.47	16.37	15.95	17.50
	CP-OFDM 64QAM	1	1	15.78	16.12	16.06	17.50
	CP-OFDM 256QAM	1	1	16.42	16.20	16.18	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630500/3457.5	633332/3500	636160/3542.4	
15MHz	DFT-s-OFDM BPSK	1	1	16.47	16.13	16.03	17.50
		1	36	16.35	16.13	16.17	17.50
		18	9	16.05	16.13	16.57	17.50
		36	0	16.60	16.46	16.46	17.50
	DFT-s-OFDM QPSK	1	1	16.17	15.89	16.25	17.50
		1	36	16.11	16.25	16.30	17.50
		18	9	16.05	16.61	16.59	17.50
		36	0	16.38	16.48	16.72	17.50
	DFT-s-OFDM 16QAM	1	1	16.26	16.24	16.52	17.50
	DFT-s-OFDM 64QAM	1	1	15.79	15.99	15.83	17.50
	DFT-s-OFDM 256QAM	1	1	16.14	16.20	16.42	17.50
	CP-OFDM QPSK	1	1	16.22	16.14	16.18	17.50
	CP-OFDM 16QAM	1	1	16.71	16.39	16.15	17.50
	CP-OFDM 64QAM	1	1	15.96	16.08	16.18	17.50
	CP-OFDM 256QAM	1	1	16.54	16.20	16.38	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630666/3460	633332/3500	635998/3540	
20MHz	DFT-s-OFDM BPSK	1	1	16.49	16.23	16.09	17.50
		1	49	16.31	16.23	16.15	17.50
		25	12	16.09	16.07	16.45	17.50
		50	0	16.52	16.42	16.30	17.50
	DFT-s-OFDM QPSK	1	1	16.23	15.97	16.19	17.50
		1	49	16.13	16.33	16.40	17.50
		25	12	16.03	16.47	16.57	17.50
		50	0	16.40	16.58	16.68	17.50
	DFT-s-OFDM 16QAM	1	1	16.24	16.22	16.46	17.50
	DFT-s-OFDM 64QAM	1	1	15.75	15.93	15.89	17.50
	DFT-s-OFDM 256QAM	1	1	16.24	16.04	16.46	17.50
	CP-OFDM QPSK	1	1	16.24	16.16	16.30	17.50

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	CP-OFDM 16QAM	1	1	16.53	16.51	16.09	17.50
	CP-OFDM 64QAM	1	1	15.84	16.20	16.00	17.50
	CP-OFDM 256QAM	1	1	16.44	16.32	16.22	17.50
n77							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630334/3455	633332/3500	636334/3545.01	
10MHz	DFT-s-OFDM BPSK	1	1	15.89	16.57	16.45	17.50
		1	22	16.59	16.51	16.37	17.50
		12	6	16.03	16.57	16.41	17.50
		24	0	16.34	16.10	16.28	17.50
	DFT-s-OFDM QPSK	1	1	15.89	15.91	16.47	17.50
		1	22	16.41	16.33	16.17	17.50
		12	6	16.35	16.53	15.93	17.50
		24	0	16.62	16.36	16.34	17.50
	DFT-s-OFDM 16QAM	1	1	16.34	16.18	16.46	17.50
	DFT-s-OFDM 64QAM	1	1	15.97	16.15	16.01	17.50
	DFT-s-OFDM 256QAM	1	1	16.18	16.08	16.04	17.50
		CP-OFDM QPSK	1	1	16.68	16.36	16.46
	CP-OFDM 16QAM	1	1	16.71	16.49	16.73	17.50
	CP-OFDM 64QAM	1	1	15.94	15.84	15.96	17.50
	CP-OFDM 256QAM	1	1	16.58	16.16	16.56	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630500/3457.5	633332/3500	636160/3542.4	
15MHz	DFT-s-OFDM BPSK	1	1	16.11	16.53	16.45	17.50
		1	36	16.59	16.23	16.49	17.50
		18	9	16.07	16.51	16.43	17.50
		36	0	16.46	16.38	16.40	17.50
	DFT-s-OFDM QPSK	1	1	15.93	16.01	16.03	17.50
		1	36	16.37	16.17	16.17	17.50
		18	9	16.43	16.19	16.33	17.50
		36	0	16.72	16.28	16.68	17.50
	DFT-s-OFDM 16QAM	1	1	16.16	16.36	16.44	17.50
	DFT-s-OFDM 64QAM	1	1	15.81	16.21	16.03	17.50
	DFT-s-OFDM 256QAM	1	1	16.18	16.12	16.08	17.50

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	CP-OFDM QPSK	1	1	16.40	16.38	16.32	17.50
	CP-OFDM 16QAM	1	1	16.57	16.29	16.57	17.50
	CP-OFDM 64QAM	1	1	16.02	16.00	16.18	17.50
	CP-OFDM 256QAM	1	1	16.42	16.38	16.50	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647334/3710	656000/3840	664666/3970	
20MHz	DFT-s-OFDM BPSK	1	1	16.05	16.43	16.31	17.50
		1	49	16.53	16.35	16.49	17.50
		25	12	16.07	16.47	16.33	17.50
		50	0	16.40	16.36	16.36	17.50
	DFT-s-OFDM QPSK	1	1	15.93	16.09	16.15	17.50
		1	49	16.33	16.11	16.11	17.50
		25	12	16.47	16.31	16.19	17.50
		50	0	16.64	16.24	16.50	17.50
	DFT-s-OFDM 16QAM	1	1	16.22	16.28	16.48	17.50
	DFT-s-OFDM 64QAM	1	1	15.83	16.17	16.15	17.50
	DFT-s-OFDM 256QAM	1	1	16.16	16.22	16.12	17.50
	CP-OFDM QPSK	1	1	16.38	16.42	16.26	17.50
	CP-OFDM 16QAM	1	1	16.49	16.23	16.55	17.50
	CP-OFDM 64QAM	1	1	15.94	16.02	16.12	17.50
	CP-OFDM 256QAM	1	1	16.26	16.26	16.32	17.50
n78							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630334/3455	633332/3500	636334/3545.01	
10MHz	DFT-s-OFDM BPSK	1	1	22.23	22.30	22.84	24.00
		1	22	22.39	22.48	22.47	24.00
		12	6	22.39	22.66	22.54	24.00
		24	0	22.02	22.21	22.25	23.50
	DFT-s-OFDM QPSK	1	1	22.38	22.29	22.62	24.00
		1	22	22.39	22.60	22.53	24.00
		12	6	22.53	22.39	22.63	24.00
		24	0	21.62	21.51	21.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.62	21.67	21.96	23.00
	DFT-s-OFDM 64QAM	1	1	20.23	20.40	20.47	21.50
	DFT-s-OFDM	1	1	17.68	17.94	18.35	19.50

	256QAM						
	CP-OFDM QPSK	1	1	21.25	21.37	21.44	22.50
	CP-OFDM 16QAM	1	1	20.66	20.52	20.98	22.00
	CP-OFDM 64QAM	1	1	18.75	18.99	19.10	20.50
	CP-OFDM 256QAM	1	1	15.69	16.10	16.14	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630500/3457.5	633332/3500	636160/3542.4	
15MHz	DFT-s-OFDM BPSK	1	1	22.29	22.44	22.72	24.00
		1	36	22.51	22.50	22.51	24.00
		18	9	22.43	22.60	22.84	24.00
		36	0	22.00	22.33	22.47	23.50
	DFT-s-OFDM QPSK	1	1	22.50	22.55	22.80	24.00
		1	36	22.37	22.38	22.55	24.00
		18	9	22.47	22.37	22.61	24.00
		36	0	21.70	21.59	21.76	23.00
	DFT-s-OFDM 16QAM	1	1	21.40	21.59	21.98	23.00
	DFT-s-OFDM 64QAM	1	1	20.07	20.32	20.45	21.50
	DFT-s-OFDM 256QAM	1	1	17.74	17.76	18.31	19.50
	CP-OFDM QPSK	1	1	21.35	21.25	21.46	22.50
	CP-OFDM 16QAM	1	1	20.68	20.60	20.86	22.00
	CP-OFDM 64QAM	1	1	18.91	19.09	19.36	20.50
	CP-OFDM 256QAM	1	1	15.75	16.00	16.18	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630666/3460	633332/3500	635998/3540	
20MHz	DFT-s-OFDM BPSK	1	1	22.33	22.46	22.70	24.00
		1	49	22.33	22.38	22.43	24.00
		25	12	22.39	22.50	22.70	24.00
		50	0	22.10	22.17	22.35	23.50
	DFT-s-OFDM QPSK	1	1	22.34	22.47	22.66	24.00
		1	49	22.41	22.42	22.47	24.00
		25	12	22.35	22.47	22.65	24.00
		50	0	21.52	21.69	21.86	23.00
	DFT-s-OFDM 16QAM	1	1	21.48	21.67	21.92	23.00
	DFT-s-OFDM 64QAM	1	1	20.13	20.20	20.39	21.50
	DFT-s-OFDM 256QAM	1	1	17.84	17.88	18.21	19.50

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	CP-OFDM QPSK	1	1	21.17	21.21	21.38	22.50
	CP-OFDM 16QAM	1	1	20.54	20.68	20.92	22.00
	CP-OFDM 64QAM	1	1	18.89	19.01	19.26	20.50
	CP-OFDM 256QAM	1	1	15.85	15.98	16.18	17.50
n78							
Full Power & Sensor off-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				647000/3705	633332/3500	653000/3795	
10MHz	DFT-s-OFDM BPSK	1	1	22.24	22.37	22.27	24.00
		1	22	22.24	22.56	22.32	24.00
		12	6	22.32	22.33	22.36	24.00
		24	0	21.72	22.18	22.03	23.50
	DFT-s-OFDM QPSK	1	1	22.18	22.43	22.25	24.00
		1	22	22.35	22.30	22.36	24.00
		12	6	22.08	22.31	22.14	24.00
		24	0	21.53	21.79	21.36	23.00
	DFT-s-OFDM 16QAM	1	1	21.42	21.74	21.30	23.00
	DFT-s-OFDM 64QAM	1	1	19.76	20.27	19.90	21.50
	DFT-s-OFDM 256QAM	1	1	17.72	17.92	17.81	19.50
	CP-OFDM QPSK	1	1	20.99	21.38	20.86	22.50
	CP-OFDM 16QAM	1	1	20.55	20.61	20.38	22.00
	CP-OFDM 64QAM	1	1	18.77	19.13	18.91	20.50
	CP-OFDM 256QAM	1	1	15.66	15.80	15.51	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647500/3712.5	633332/3500	652834/3792.51	
15MHz	DFT-s-OFDM BPSK	1	1	22.28	22.71	22.07	24.00
		1	36	22.52	22.50	22.46	24.00
		18	9	22.28	22.31	22.22	24.00
		36	0	21.66	22.34	21.75	23.50
	DFT-s-OFDM QPSK	1	1	22.22	22.65	22.31	24.00
		1	36	22.29	22.40	22.22	24.00
		18	9	22.40	22.45	22.34	24.00
		36	0	21.45	21.67	21.62	23.00
	DFT-s-OFDM 16QAM	1	1	21.62	21.50	21.28	23.00
	DFT-s-OFDM 64QAM	1	1	19.60	20.31	20.12	21.50
	DFT-s-OFDM	1	1	17.74	18.12	17.63	19.50

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	256QAM						
	CP-OFDM QPSK	1	1	21.07	21.28	21.22	22.50
	CP-OFDM 16QAM	1	1	20.23	20.79	20.36	22.00
	CP-OFDM 64QAM	1	1	19.03	19.19	18.69	20.50
	CP-OFDM 256QAM	1	1	15.88	15.84	15.55	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647334/3710	650000/3750	652666/3790	
20MHz	DFT-s-OFDM BPSK	1	1	22.20	22.53	22.23	24.00
		1	49	22.28	22.48	22.38	24.00
		25	12	22.24	22.47	22.34	24.00
		50	0	21.92	22.20	22.01	23.50
	DFT-s-OFDM QPSK	1	1	22.20	22.51	22.29	24.00
		1	49	22.31	22.38	22.40	24.00
		25	12	22.26	22.51	22.32	24.00
		50	0	21.49	21.69	21.50	23.00
	DFT-s-OFDM 16QAM	1	1	21.34	21.68	21.42	23.00
	DFT-s-OFDM 64QAM	1	1	19.78	20.19	20.08	21.50
	DFT-s-OFDM 256QAM	1	1	17.50	17.90	17.71	19.50
	CP-OFDM QPSK	1	1	20.97	21.34	21.06	22.50
	CP-OFDM 16QAM	1	1	20.49	20.75	20.54	22.00
	CP-OFDM 64QAM	1	1	18.71	19.07	18.85	20.50
CP-OFDM 256QAM	1	1	15.62	15.98	15.71	17.50	
n78							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				630334/3455	633332/3500	636334/3545.01	
10MHz	DFT-s-OFDM BPSK	1	1	16.24	16.16	15.98	17.50
		1	22	16.15	16.15	16.01	17.50
		12	6	16.81	16.47	16.71	17.50
		24	0	16.30	16.30	16.28	17.50
	DFT-s-OFDM QPSK	1	1	16.40	15.94	15.86	17.50
		1	22	16.21	15.99	16.11	17.50
		12	6	16.45	16.21	16.43	17.50
		24	0	16.18	16.46	16.66	17.50
	DFT-s-OFDM 16QAM	1	1	15.96	15.92	16.18	17.50
	DFT-s-OFDM	1	1	15.56	15.96	15.72	17.50

	64QAM						
	DFT-s-OFDM 256QAM	1	1	16.10	16.36	16.34	17.50
	CP-OFDM QPSK	1	1	16.17	16.35	16.23	17.50
	CP-OFDM 16QAM	1	1	16.43	16.39	16.23	17.50
	CP-OFDM 64QAM	1	1	16.25	16.15	15.83	17.50
	CP-OFDM 256QAM	1	1	16.30	16.24	16.06	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630500/3457.5	633332/3500	636160/3542.4	
15MHz	DFT-s-OFDM BPSK	1	1	15.90	15.82	16.04	17.50
		1	36	16.03	16.21	15.99	17.50
		18	9	16.79	16.59	16.49	17.50
		36	0	16.26	16.54	16.44	17.50
	DFT-s-OFDM QPSK	1	1	16.40	15.92	15.58	17.50
		1	36	16.21	16.29	16.41	17.50
		18	9	16.29	16.33	16.43	17.50
		36	0	16.36	16.66	16.52	17.50
	DFT-s-OFDM 16QAM	1	1	15.80	16.04	16.34	17.50
	DFT-s-OFDM 64QAM	1	1	15.46	15.96	15.82	17.50
	DFT-s-OFDM 256QAM	1	1	15.98	16.50	16.24	17.50
	CP-OFDM QPSK	1	1	16.17	16.41	16.35	17.50
	CP-OFDM 16QAM	1	1	16.17	16.49	16.19	17.50
	CP-OFDM 64QAM	1	1	16.07	16.11	15.89	17.50
	CP-OFDM 256QAM	1	1	16.24	16.28	16.26	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				630666/3460	633332/3500	635998/3540	
20MHz	DFT-s-OFDM BPSK	1	1	16.02	15.94	15.88	17.50
		1	49	16.03	16.11	15.97	17.50
		25	12	16.69	16.63	16.49	17.50
		50	0	16.38	16.36	16.38	17.50
	DFT-s-OFDM QPSK	1	1	16.22	15.84	15.66	17.50
		1	49	16.15	16.15	16.23	17.50
		25	12	16.27	16.37	16.45	17.50
		50	0	16.22	16.48	16.54	17.50
	DFT-s-OFDM 16QAM	1	1	15.80	16.00	16.18	17.50
	DFT-s-OFDM 64QAM	1	1	15.58	15.98	15.70	17.50

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	DFT-s-OFDM 256QAM	1	1	16.04	16.36	16.16	17.50
	CP-OFDM QPSK	1	1	16.29	16.47	16.21	17.50
	CP-OFDM 16QAM	1	1	16.25	16.39	16.31	17.50
	CP-OFDM 64QAM	1	1	16.09	16.23	16.01	17.50
	CP-OFDM 256QAM	1	1	16.16	16.18	16.08	17.50
n78							
Sensor on-Main Ant				Maximum Output Power (dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				647000/3705	633332/3500	653000/3795	
10MHz	DFT-s-OFDM BPSK	1	1	16.06	15.94	15.90	17.50
		1	22	16.21	15.95	16.07	17.50
		12	6	16.63	16.49	16.53	17.50
		24	0	16.64	16.44	16.64	17.50
	DFT-s-OFDM QPSK	1	1	15.86	15.78	16.06	17.50
		1	22	16.13	16.13	15.85	17.50
		12	6	16.29	16.41	16.61	17.50
		24	0	16.10	16.22	16.32	17.50
	DFT-s-OFDM 16QAM	1	1	16.02	16.14	16.00	17.50
	DFT-s-OFDM 64QAM	1	1	15.63	15.74	15.96	17.50
	DFT-s-OFDM 256QAM	1	1	16.26	16.28	16.04	17.50
		CP-OFDM QPSK	1	1	16.69	16.39	16.61
	CP-OFDM 16QAM	1	1	16.47	16.61	16.19	17.50
	CP-OFDM 64QAM	1	1	16.13	15.95	16.13	17.50
	CP-OFDM 256QAM	1	1	16.28	16.42	16.52	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647500/3712.5	633332/3500	652834/3792.51	
15MHz	DFT-s-OFDM BPSK	1	1	16.00	16.30	16.12	17.50
		1	36	16.37	16.01	16.01	17.50
		18	9	16.47	16.41	16.55	17.50
		36	0	16.52	16.38	16.64	17.50
	DFT-s-OFDM QPSK	1	1	15.96	15.88	15.90	17.50
		1	36	16.21	16.11	16.31	17.50
		18	9	16.35	16.41	16.49	17.50
		36	0	16.40	16.34	16.44	17.50
	DFT-s-OFDM 16QAM	1	1	16.08	16.36	16.16	17.50
	DFT-s-OFDM	1	1	15.78	15.90	16.00	17.50

	64QAM						
	DFT-s-OFDM 256QAM	1	1	16.42	16.30	16.02	17.50
	CP-OFDM QPSK	1	1	16.65	16.45	16.47	17.50
	CP-OFDM 16QAM	1	1	16.15	16.47	16.37	17.50
	CP-OFDM 64QAM	1	1	16.09	15.99	16.33	17.50
	CP-OFDM 256QAM	1	1	16.28	16.18	16.56	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				647334/3710	650000/3750	652666/3790	
20MHz	DFT-s-OFDM BPSK	1	1	16.06	16.20	15.98	17.50
		1	49	16.27	16.13	16.13	17.50
		25	12	16.59	16.43	16.55	17.50
		50	0	16.52	16.46	16.52	17.50
	DFT-s-OFDM QPSK	1	1	16.04	15.96	16.00	17.50
		1	49	16.17	16.13	16.13	17.50
		25	12	16.33	16.47	16.53	17.50
		50	0	16.26	16.30	16.44	17.50
	DFT-s-OFDM 16QAM	1	1	16.04	16.20	16.12	17.50
	DFT-s-OFDM 64QAM	1	1	15.82	15.82	15.84	17.50
	DFT-s-OFDM 256QAM	1	1	16.36	16.26	16.14	17.50
	CP-OFDM QPSK	1	1	16.53	16.47	16.53	17.50
	CP-OFDM 16QAM	1	1	16.25	16.47	16.23	17.50
	CP-OFDM 64QAM	1	1	16.09	16.05	16.21	17.50
	CP-OFDM 256QAM	1	1	16.26	16.22	16.48	17.50

9.3 WLAN Mode

Wi-Fi 2.4GHz Sensor off- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	21.00	19.03
	6/2437	21.00	20.19
	11/2462	21.00	20.94
802.11g (6M)	1/2412	20.00	18.18
	6/2437	20.00	18.60
	11/2462	20.00	18.82
802.11n-HT20 (MCS0)	1/2412	20.00	18.01
	6/2437	20.00	18.61
	11/2462	20.00	18.67
802.11n-HT40 (MCS0)	3/2422	20.00	18.68
	6/2437	20.00	19.07
	9/2452	20.00	18.55
802.11ax VHT20 (MCS0)	1/2412	20.00	17.98
	6/2437	20.00	18.67
	11/2462	20.00	18.78
802.11ax VHT40 (MCS0)	3/2422	20.00	18.59
	6/2437	20.00	19.05
	9/2452	20.00	18.53

Wi-Fi 2.4GHz Sensor on- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	9.50	8.83
	6/2437	9.50	8.86
	11/2462	9.50	9.10
802.11g (6M)	1/2412	9.50	8.55
	6/2437	9.50	8.75
	11/2462	9.50	8.78
802.11n-HT20 (MCS0)	1/2412	9.50	8.37
	6/2437	9.50	8.63
	11/2462	9.50	8.70
802.11n-HT40 (MCS0)	3/2422	9.50	8.94
	6/2437	9.50	8.91
	9/2452	9.50	8.36

802.11ax VHT20 (MCS0)	1/2412	9.50	8.43
	6/2437	9.50	8.78
	11/2462	9.50	8.79
802.11ax VHT40 (MCS0)	3/2422	9.50	8.78
	6/2437	9.50	8.79
	9/2452	9.50	8.19

Wi-Fi 2.4GHz Sensor off- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	20.00	18.16
	6/2437	20.00	18.90
	11/2462	20.00	18.94
802.11g (6M)	1/2412	19.00	18.10
	6/2437	19.00	18.25
	11/2462	19.00	18.49
802.11n-HT20 (MCS0)	1/2412	19.00	17.92
	6/2437	19.00	18.27
	11/2462	19.00	18.37
802.11n-HT40 (MCS0)	3/2422	19.00	17.74
	6/2437	19.00	17.60
	9/2452	19.00	17.18
802.11ax VHT20 (MCS0)	1/2412	19.00	18.01
	6/2437	19.00	18.16
	11/2462	19.00	17.70
802.11ax VHT40 (MCS0)	3/2422	19.00	17.58
	6/2437	19.00	17.59
	9/2452	19.00	17.16

Wi-Fi 2.4GHz Sensor on- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11b (1M)	1/2412	9.50	9.40
	6/2437	9.00	8.49
	11/2462	9.00	8.84
802.11g (6M)	1/2412	9.50	9.29
	6/2437	9.00	8.62
	11/2462	9.00	8.80
802.11n-HT20	1/2412	9.50	9.15

(MCS0)	6/2437	9.00	8.51
	11/2462	9.00	8.80
802.11n-HT40 (MCS0)	3/2422	9.50	8.95
	6/2437	9.00	8.80
	9/2452	9.00	8.37
802.11ax VHT20 (MCS0)	1/2412	9.50	9.17
	6/2437	9.00	8.58
	11/2462	9.00	8.85
802.11ax VHT40 (MCS0)	3/2422	9.50	8.81
	6/2437	9.00	8.68
	9/2452	9.00	8.31

Wi-Fi 2.4GHz Sensor off- MIMO	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
Mode					
802.11b (1M)	1/2412	20.00	19.07	15.72	16.38
	6/2437	20.00	19.06	15.44	16.58
	11/2462	19.00	17.49	14.41	14.54
802.11g (6M)	1/2412	19.50	18.89	15.53	16.21
	6/2437	19.50	18.94	15.26	16.51
	11/2462	19.50	19.12	15.54	16.61
802.11n-HT20 (MCS0)	1/2412	19.50	18.78	15.37	16.14
	6/2437	19.50	18.79	15.19	16.30
	11/2462	19.50	19.01	15.38	16.55
802.11n-HT40 (MCS0)	3/2422	19.50	18.45	15.45	15.42
	6/2437	19.50	19.12	15.47	16.67
	9/2452	19.50	18.08	15.07	15.07
802.11ax VHT20 (MCS0)	1/2412	19.50	18.79	15.39	16.14
	6/2437	19.50	18.81	15.15	16.37
	11/2462	19.50	18.97	15.33	16.51
802.11ax VHT40 (MCS0)	3/2422	19.50	18.40	15.45	15.33
	6/2437	19.50	19.02	15.44	16.52
	9/2452	19.50	18.52	15.06	15.92

Wi-Fi 2.4GHz Sensor on- MIMO	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
Mode					

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802.11b (1M)	1/2412	12.50	12.13	8.83	9.40
	6/2437	12.50	11.69	8.86	8.49
	11/2462	12.50	11.98	9.10	8.84
802.11g (6M)	1/2412	12.50	11.95	8.55	9.29
	6/2437	12.50	11.70	8.75	8.62
	11/2462	12.50	11.80	8.78	8.80
802.11n-HT20 (MCS0)	1/2412	12.50	11.79	8.37	9.15
	6/2437	12.50	11.58	8.63	8.51
	11/2462	12.50	11.76	8.70	8.80
802.11n-HT40 (MCS0)	3/2422	12.50	11.96	8.94	8.95
	6/2437	12.50	11.87	8.91	8.80
	9/2452	12.50	11.38	8.36	8.37
802.11ax VHT20 (MCS0)	1/2412	12.50	11.83	8.43	9.17
	6/2437	12.50	11.69	8.78	8.58
	11/2462	12.50	11.83	8.79	8.85
802.11ax VHT40 (MCS0)	3/2422	12.50	11.81	8.78	8.81
	6/2437	12.50	11.75	8.79	8.68
	9/2452	12.50	11.26	8.19	8.31

Wi-Fi 5GHz (U-NII-1) Sensor off- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	17.50	17.43
	40/5200	17.50	17.33
	48/5240	17.50	17.23
802.11n-HT20 (MCS0)	36/5180	17.00	16.62
	40/5200	17.00	16.47
	48/5240	17.00	16.42
802.11n-HT40 (MCS0)	38/5190	17.00	16.67
	46/5230	17.00	16.71
802.11ac-VHT20 (MCS0)	36/5180	17.00	16.61
	40/5200	17.00	16.46
	48/5240	17.00	16.37
802.11ac-VHT40 (MCS0)	38/5190	17.00	16.67
	46/5230	17.00	16.68
802.11ac-VHT80 (MCS0)	42/5210	17.00	16.68
802.11ax-HE20 (MCS0)	36/5180	17.00	16.63
	40/5200	17.00	16.50

	48/5240	17.00	16.40
802.11ax-HE40 (MCS0)	38/5190	17.00	16.57
	46/5230	17.00	16.46
802.11ax-HE80 (MCS0)	42/5210	17.00	16.74

Wi-Fi 5GHz (U-NII-1) Sensor on- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	11.00	10.86
	40/5200	11.00	10.70
	48/5240	11.00	10.44
802.11n-HT20 (MCS0)	36/5180	10.50	10.32
	40/5200	10.50	10.20
	48/5240	10.50	9.98
802.11n-HT40 (MCS0)	38/5190	10.50	10.32
	46/5230	10.50	10.18
802.11ac-VHT20 (MCS0)	36/5180	10.50	10.37
	40/5200	10.50	10.22
	48/5240	10.50	9.95
802.11ac-VHT40 (MCS0)	38/5190	10.50	10.41
	46/5230	10.50	10.21
802.11ac-VHT80 (MCS0)	42/5210	10.50	10.25
802.11ax-HE20 (MCS0)	36/5180	10.50	10.38
	40/5200	10.50	10.30
	48/5240	10.50	10.04
802.11ax-HE40 (MCS0)	38/5190	10.50	10.31
	46/5230	10.50	10.04
802.11ax-HE80 (MCS0)	42/5210	10.50	10.35

Wi-Fi 5GHz (U-NII-1) Sensor off- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	17.00	15.53
	40/5200	17.00	15.44
	48/5240	17.00	15.43

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802.11n-HT20 (MCS0)	36/5180	17.00	16.20
	40/5200	17.00	15.97
	48/5240	17.00	15.73
802.11n-HT40 (MCS0)	38/5190	17.00	16.34
	46/5230	17.00	15.87
802.11ac-VHT20 (MCS0)	36/5180	17.00	16.18
	40/5200	17.00	15.95
	48/5240	17.00	15.67
802.11ac-VHT40 (MCS0)	38/5190	17.00	16.33
	46/5230	17.00	16.03
802.11ac-VHT80 (MCS0)	42/5210	17.00	16.14
802.11ax-HE20 (MCS0)	36/5180	17.00	16.21
	40/5200	17.00	15.97
	48/5240	17.00	15.71
802.11ax-HE40 (MCS0)	38/5190	17.00	16.11
	46/5230	17.00	15.83
802.11ax-HE80 (MCS0)	42/5210	17.00	16.22

Wi-Fi 5GHz (U-NII-1) Sensor on- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	36/5180	11.50	11.20
	40/5200	11.50	11.13
	48/5240	11.50	10.86
802.11n-HT20 (MCS0)	36/5180	11.00	10.80
	40/5200	11.00	10.72
	48/5240	11.00	10.63
802.11n-HT40 (MCS0)	38/5190	11.00	10.95
	46/5230	11.00	10.73
802.11ac-VHT20 (MCS0)	36/5180	11.00	10.78
	40/5200	11.00	10.74
	48/5240	11.00	10.65
802.11ac-VHT40 (MCS0)	38/5190	11.00	10.88
	46/5230	11.00	10.84
802.11ac-VHT80 (MCS0)	42/5210	11.00	10.80
802.11ax-HE20	36/5180	11.00	10.72

(MCS0)	40/5200	11.00	10.68
	48/5240	11.00	10.58
802.11ax-HE40 (MCS0)	38/5190	11.00	10.70
	46/5230	11.00	10.68
802.11ax-HE80 (MCS0)	42/5210	11.00	10.87

Wi-Fi 5GHz (U-NII-1) Sensor off- MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
802.11a (6M)	36/5180	21.50	19.74	17.43	16.17
	40/5200	21.50	21.09	17.33	17.66
	48/5240	21.50	20.97	17.23	17.47
802.11n-HT20 (MCS0)	36/5180	20.50	20.10	16.62	16.20
	40/5200	20.50	20.02	16.47	15.97
	48/5240	20.50	19.94	16.42	15.73
802.11n-HT40 (MCS0)	38/5190	18.00	16.36	13.64	13.43
	46/5230	20.50	20.17	16.71	15.87
802.11ac-VHT20 (MCS0)	36/5180	20.50	20.11	16.61	16.18
	40/5200	20.50	20.01	16.46	15.95
	48/5240	20.50	19.93	16.37	15.67
802.11ac-VHT40 (MCS0)	38/5190	20.50	20.29	16.67	16.33
	46/5230	20.50	20.09	16.68	16.03
802.11ac-VHT80 (MCS0)	42/5210	17.50	16.25	13.53	13.32
802.11ax-HE20 (MCS0)	36/5180	20.50	20.13	16.63	16.21
	40/5200	20.50	20.05	16.50	15.97
	48/5240	20.50	19.97	16.40	15.71
802.11ax-HE40 (MCS0)	38/5190	18.00	16.30	13.47	13.47
	46/5230	20.50	20.06	16.46	15.83
802.11ax-HE80 (MCS0)	42/5210	17.50	15.51	12.81	12.56

Wi-Fi 5GHz (U-NII-1) Sensor on- MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
802.11a (6M)	36/5180	12.50	11.54	8.41	8.64
	40/5200	12.50	11.54	8.47	8.59

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	48/5240	12.50	11.18	7.99	8.34
802.11n-HT20 (MCS0)	36/5180	12.00	11.13	7.95	8.28
	40/5200	12.00	11.01	7.69	8.28
	48/5240	12.00	10.99	7.67	8.27
802.11n-HT40 (MCS0)	38/5190	12.00	11.23	7.97	8.45
	46/5230	12.00	11.16	7.89	8.39
802.11ac-VHT20 (MCS0)	36/5180	12.00	11.05	7.88	8.20
	40/5200	12.00	11.04	7.65	8.38
	48/5240	12.00	10.85	7.46	8.19
802.11ac-VHT40 (MCS0)	38/5190	12.00	11.14	7.86	8.38
	46/5230	12.00	11.00	7.56	8.38
802.11ac-VHT80 (MCS0)	42/5210	12.00	11.05	7.62	8.42
802.11ax-HE20 (MCS0)	36/5180	12.00	11.16	7.86	8.42
	40/5200	12.00	11.03	7.82	8.22
	48/5240	12.00	10.84	7.60	8.04
802.11ax-HE40 (MCS0)	38/5190	12.00	11.05	7.68	8.38
	46/5230	12.00	10.83	7.37	8.22
802.11ax-HE80 (MCS0)	42/5210	12.00	11.06	7.72	8.35

Wi-Fi 5GHz (U-NII-2A) Sensor off- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	52/5260	17.50	17.24
	60/5300	17.50	16.93
	64/5320	17.50	17.11
802.11n-HT20 (MCS0)	52/5260	17.00	16.41
	60/5300	17.00	16.04
	64/5320	17.00	16.34
802.11n-HT40 (MCS0)	54/5270	17.00	16.66
	62/5310	17.00	16.68
802.11ac-VHT20 (MCS0)	52/5260	17.00	16.35
	60/5300	17.00	16.02
	64/5320	17.00	16.36
802.11ac-VHT40 (MCS0)	54/5270	17.00	16.61
	62/5310	17.00	16.71
802.11ac-VHT80 (MCS0)	58/5290	17.00	16.56

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802.11ax-HE20 (MCS0)	50/5250	16.00	14.88
	52/5260	17.00	16.45
	60/5300	17.00	16.10
802.11ax-HE40 (MCS0)	64/5320	17.00	16.40
	54/5270	17.00	16.57
802.11ax-HE80 (MCS0)	62/5310	17.00	16.65

Wi-Fi 5GHz (U-NII-2A) Sensor on- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	52/5260	11.00	10.45
	60/5300	11.00	10.16
	64/5320	11.00	10.31
802.11n-HT20 (MCS0)	52/5260	10.50	10.39
	60/5300	10.50	10.05
	64/5320	10.50	10.12
802.11n-HT40 (MCS0)	54/5270	10.50	10.45
	62/5310	10.50	10.40
802.11ac-VHT20 (MCS0)	52/5260	10.50	10.41
	60/5300	10.50	10.09
	64/5320	10.50	10.15
802.11ac-VHT40 (MCS0)	54/5270	10.50	10.46
	62/5310	10.50	10.34
802.11ac-VHT80 (MCS0)	58/5290	10.50	10.05
802.11ax-HE20 (MCS0)	50/5250	10.50	10.46
	52/5260	10.50	10.30
	60/5300	10.50	9.91
802.11ax-HE40 (MCS0)	64/5320	10.50	10.06
	54/5270	10.50	10.22
802.11ax-HE80 (MCS0)	62/5310	10.50	10.10

Wi-Fi 5GHz (U-NII-2A) Sensor off- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a	52/5260	17.00	15.57

(6M)	60/5300	17.00	15.20
	64/5320	17.00	15.28
802.11n-HT20 (MCS0)	52/5260	17.00	16.17
	60/5300	17.00	16.01
	64/5320	17.00	16.28
802.11n-HT40 (MCS0)	54/5270	17.00	16.12
	62/5310	17.00	16.35
802.11ac-VHT20 (MCS0)	52/5260	17.00	16.14
	60/5300	17.00	15.97
	64/5320	17.00	16.26
802.11ac-VHT40 (MCS0)	54/5270	17.00	16.07
	62/5310	17.00	16.23
802.11ac-VHT80 (MCS0)	58/5290	17.00	16.21
802.11ax-HE20 (MCS0)	50/5250	16.00	15.52
	52/5260	17.00	15.91
	60/5300	17.00	15.76
802.11ax-HE40 (MCS0)	64/5320	17.00	16.04
	54/5270	17.00	16.04
802.11ax-HE80 (MCS0)	62/5310	17.00	16.22

Wi-Fi 5GHz (U-NII-2A) Sensor on- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	52/5260	11.50	11.16
	60/5300	11.50	10.80
	64/5320	11.50	10.54
802.11n-HT20 (MCS0)	52/5260	11.00	10.68
	60/5300	11.00	10.28
	64/5320	11.00	10.06
802.11n-HT40 (MCS0)	54/5270	11.00	10.67
	62/5310	11.00	10.41
802.11ac-VHT20 (MCS0)	52/5260	11.00	10.71
	60/5300	11.00	10.36
	64/5320	11.00	10.10
802.11ac-VHT40 (MCS0)	54/5270	11.00	10.62
	62/5310	11.00	10.28
802.11ac-VHT80	58/5290	11.00	10.43

(MCS0)			
802.11ax-HE20 (MCS0)	50/5250	11.00	10.71
	52/5260	11.00	10.68
	60/5300	11.00	10.37
802.11ax-HE40 (MCS0)	64/5320	11.00	10.12
	54/5270	11.00	10.61
802.11ax-HE80 (MCS0)	62/5310	11.00	10.18

Wi-Fi 5GHz (U-NII-2A) Sensor off- MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
802.11a (6M)	52/5260	21.50	20.92	17.24	17.52
	60/5300	21.50	20.87	16.93	17.51
	64/5320	21.50	20.98	17.11	17.50
802.11n-HT20 (MCS0)	52/5260	20.50	20.06	16.41	16.17
	60/5300	20.50	19.81	16.04	16.01
	64/5320	20.50	19.99	16.34	16.28
802.11n-HT40 (MCS0)	54/5270	20.50	20.14	16.66	16.12
	62/5310	17.00	15.08	11.73	12.48
802.11ac-VHT20 (MCS0)	52/5260	20.50	20.03	16.35	16.14
	60/5300	20.50	19.77	16.02	15.97
	64/5320	20.50	19.94	16.36	16.26
802.11ac-VHT40 (MCS0)	54/5270	20.50	20.09	16.61	16.07
	62/5310	20.50	20.12	16.71	16.23
802.11ac-VHT80 (MCS0)	58/5290	17.50	15.76	12.42	13.15
802.11ax-HE20 (MCS0)	50/5250	17.00	15.24	12.21	12.35
	52/5260	20.50	20.02	16.45	15.91
	60/5300	20.50	19.68	16.10	15.76
802.11ax-HE40 (MCS0)	64/5320	20.50	19.88	16.40	16.04
	54/5270	20.50	20.04	16.57	16.04
802.11ax-HE80 (MCS0)	62/5310	17.50	16.06	12.63	13.53

Wi-Fi 5GHz (U-NII-2A) Sensor on- MIMO	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2

Mode					
802.11a (6M)	52/5260	12.50	11.13	7.64	8.56
	60/5300	12.50	10.99	7.41	8.48
	64/5320	12.50	11.21	7.58	8.74
802.11n-HT20 (MCS0)	52/5260	12.00	11.03	7.58	8.42
	60/5300	12.00	10.62	7.46	7.76
	64/5320	12.00	10.53	7.49	7.54
802.11n-HT40 (MCS0)	54/5270	12.00	10.97	7.77	8.15
	62/5310	12.00	10.93	7.90	7.93
802.11ac-VHT20 (MCS0)	52/5260	12.00	11.07	7.72	8.37
	60/5300	12.00	10.68	7.50	7.84
	64/5320	12.00	10.60	7.48	7.70
802.11ac-VHT40 (MCS0)	54/5270	12.00	11.17	8.06	8.26
	62/5310	12.00	11.16	7.88	8.41
802.11ac-VHT80 (MCS0)	58/5290	12.00	10.88	7.53	8.19
802.11ax-HE20 (MCS0)	50/5250	12.00	11.24	8.20	8.25
	52/5260	12.00	11.13	7.95	8.28
	60/5300	12.00	10.60	7.26	7.89
802.11ax-HE40 (MCS0)	64/5320	12.00	10.71	7.67	7.72
	54/5270	12.00	11.04	7.76	8.29
802.11ax-HE80 (MCS0)	62/5310	12.00	10.70	7.80	7.58

Wi-Fi 5GHz (U-NII-2C) Sensor off- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	100/5500	18.50	17.91
	116/5580	18.50	18.03
	140/5700	18.50	17.77
	144/5720	18.00	16.57
802.11n-HT20 (MCS0)	100/5500	17.50	17.22
	116/5580	17.50	17.34
	140/5700	17.50	17.02
	144/5720	17.00	15.77
802.11n-HT40 (MCS0)	102/5510	18.00	17.47
	110/5550	18.00	17.85
	134/5670	18.00	17.16
	142/5710	17.50	16.56

802.11ac-VHT20 (MCS0)	100/5500	17.50	17.22
	116/5580	17.50	17.34
	140/5700	17.50	16.97
	144/5720	17.00	15.74
802.11ac-VHT40 (MCS0)	102/5510	18.00	17.58
	110/5550	18.00	17.94
	134/5670	18.00	17.16
	142/5710	17.50	16.49
802.11ac-VHT80 (MCS0)	106/5530	17.50	17.43
	138/5690	17.50	16.69
802.11ax-HE20 (MCS0)	114/5570	16.00	15.90
	100/5500	17.50	16.82
	116/5580	17.50	17.36
	140/5700	17.50	17.05
802.11ax-HE40 (MCS0)	144/5720	17.00	15.72
	102/5510	18.00	17.34
	110/5550	18.00	17.69
	134/5670	18.00	16.96
802.11ax-HE80 (MCS0)	142/5710	17.50	16.32
	106/5530	17.50	17.45

Wi-Fi 5GHz (U-NII-2C) Sensor on- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	100/5500	10.00	9.72
	116/5580	10.00	9.84
	140/5700	10.00	9.15
	144/5720	10.00	9.79
802.11n-HT20 (MCS0)	100/5500	9.50	9.16
	116/5580	9.50	8.60
	140/5700	9.50	8.83
	144/5720	9.50	9.09
802.11n-HT40 (MCS0)	102/5510	9.50	9.32
	110/5550	9.50	9.18
	134/5670	9.50	8.97
	142/5710	9.50	8.67
802.11ac-VHT20 (MCS0)	100/5500	9.50	9.20
	116/5580	9.50	8.87
	140/5700	9.50	8.60

	144/5720	9.50	9.22
802.11ac-VHT40 (MCS0)	102/5510	9.50	9.36
	110/5550	9.50	9.19
	134/5670	9.50	9.00
	142/5710	9.50	8.69
802.11ac-VHT80 (MCS0)	106/5530	9.50	9.04
	138/5690	9.50	8.58
802.11ax-HE20 (MCS0)	114/5570	9.50	9.22
	100/5500	9.50	9.25
	116/5580	9.50	8.93
	140/5700	9.50	8.59
802.11ax-HE40 (MCS0)	144/5720	9.50	9.28
	102/5510	9.50	9.17
	110/5550	9.50	9.13
	134/5670	9.50	8.88
802.11ax-HE80 (MCS0)	142/5710	9.50	8.58
	106/5530	9.50	9.10

Wi-Fi 5GHz (U-NII-2C) Sensor off- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	100/5500	17.00	16.23
	116/5580	17.00	16.31
	140/5700	17.00	16.16
	144/5720	17.00	16.45
802.11n-HT20 (MCS0)	100/5500	16.50	15.29
	116/5580	16.50	15.34
	140/5700	16.50	15.22
	144/5720	16.50	15.40
802.11n-HT40 (MCS0)	102/5510	16.50	15.47
	110/5550	16.50	15.83
	134/5670	16.50	15.72
	142/5710	16.50	16.08
802.11ac-VHT20 (MCS0)	100/5500	16.50	15.31
	116/5580	16.50	15.33
	140/5700	16.50	15.22
	144/5720	16.50	15.37
802.11ac-VHT40 (MCS0)	102/5510	16.50	15.50
	110/5550	16.50	15.85

	134/5670	16.50	15.50
	142/5710	16.50	16.07
802.11ac-VHT80 (MCS0)	106/5530	16.50	15.31
	138/5690	16.50	16.34
802.11ax-HE20 (MCS0)	114/5570	16.00	15.31
	100/5500	16.50	14.85
	116/5580	16.50	15.34
	140/5700	16.50	15.24
802.11ax-HE40 (MCS0)	144/5720	16.50	15.35
	102/5510	16.50	15.32
	110/5550	16.50	15.66
	134/5670	16.50	15.50
802.11ax-HE80 (MCS0)	142/5710	16.50	15.98
	106/5530	16.50	15.39

Wi-Fi 5GHz (U-NII-2C) Sensor on- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	100/5500	10.00	9.53
	116/5580	10.00	9.50
	140/5700	10.00	8.77
	144/5720	10.00	9.59
802.11n-HT20 (MCS0)	100/5500	9.50	9.41
	116/5580	9.50	8.90
	140/5700	9.50	8.19
	144/5720	9.50	8.49
802.11n-HT40 (MCS0)	102/5510	9.50	9.23
	110/5550	9.50	9.48
	134/5670	9.50	8.55
	142/5710	9.50	8.26
802.11ac-VHT20 (MCS0)	100/5500	9.50	9.38
	116/5580	9.50	8.92
	140/5700	9.50	8.08
	144/5720	9.50	8.38
802.11ac-VHT40 (MCS0)	102/5510	9.50	9.36
	110/5550	9.50	9.42
	134/5670	9.50	8.52
	142/5710	9.50	8.13
802.11ac-VHT80	106/5530	9.50	9.29

(MCS0)	138/5690	9.50	8.18
802.11ax-HE20 (MCS0)	114/5570	9.50	9.42
	100/5500	9.50	9.42
	116/5580	9.50	8.98
	140/5700	9.50	8.16
802.11ax-HE40 (MCS0)	144/5720	9.50	8.56
	102/5510	9.50	9.40
	110/5550	9.50	9.45
	134/5670	9.50	8.67
802.11ax-HE80 (MCS0)	142/5710	9.50	8.11
	106/5530	9.50	9.38

Wi-Fi 5GHz (U-NII-2C) Sensor off- MIMO	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
Mode					
802.11a (6M)	100/5500	19.50	18.42	15.61	15.32
	116/5580	19.50	18.10	15.11	15.17
	140/5700	19.50	17.68	14.97	14.47
	144/5720	19.50	17.84	15.16	14.59
802.11n-HT20 (MCS0)	100/5500	19.00	17.23	14.21	14.33
	116/5580	20.50	19.22	17.34	15.52
	140/5700	15.00	13.36	10.51	10.30
	144/5720	20.00	18.37	15.77	15.40
802.11n-HT40 (MCS0)	102/5510	17.00	15.27	12.09	12.53
	110/5550	20.50	20.03	17.85	15.83
	134/5670	20.50	19.59	17.16	15.72
	142/5710	20.50	19.22	16.56	16.08
802.11ac-VHT20 (MCS0)	100/5500	20.50	19.49	17.22	15.31
	116/5580	20.50	19.40	17.34	15.33
	140/5700	20.50	19.46	16.97	15.22
	144/5720	20.00	18.37	15.74	15.37
802.11ac-VHT40 (MCS0)	102/5510	20.50	19.73	17.58	15.50
	110/5550	20.50	20.13	17.94	15.85
	134/5670	20.50	19.57	17.16	15.50
	142/5710	20.50	19.13	16.49	16.07
802.11ac-VHT80 (MCS0)	106/5530	15.50	14.14	11.07	11.29
	138/5690	20.50	19.35	16.69	16.34
802.11ax-HE20	114/5570	17.00	15.55	12.47	12.72

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(MCS0)	100/5500	19.00	17.27	14.31	14.31
	116/5580	20.50	19.40	17.36	15.34
	140/5700	15.00	13.51	10.81	10.30
802.11ax-HE40 (MCS0)	144/5720	20.00	18.31	15.72	15.35
	102/5510	16.00	14.33	11.15	11.59
	110/5550	20.50	19.99	17.69	15.66
	134/5670	17.50	15.70	12.68	12.81
802.11ax-HE80 (MCS0)	142/5710	20.50	19.00	16.32	15.98
	106/5530	16.00	14.15	11.09	11.30

Wi-Fi 5GHz (U-NII-2C) Sensor on- MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
802.11a (6M)	100/5500	12.00	11.11	8.00	8.19
	116/5580	12.00	10.64	7.57	7.69
	140/5700	12.00	10.21	7.25	7.14
	144/5720	12.00	10.64	7.97	7.25
802.11n-HT20 (MCS0)	100/5500	11.50	11.07	7.72	8.38
	116/5580	11.50	10.43	7.06	7.75
	140/5700	11.50	10.09	7.29	6.86
	144/5720	11.50	10.61	7.81	7.38
802.11n-HT40 (MCS0)	102/5510	11.50	10.94	7.86	8.00
	110/5550	11.50	11.02	7.86	8.15
	134/5670	11.50	10.37	7.43	7.28
	142/5710	11.50	10.08	7.13	7.01
802.11ac-VHT20 (MCS0)	100/5500	11.50	11.08	7.86	8.27
	116/5580	11.50	10.56	7.33	7.75
	140/5700	11.50	10.02	7.22	6.79
	144/5720	11.50	10.56	7.76	7.33
802.11ac-VHT40 (MCS0)	102/5510	11.50	11.09	7.90	8.25
	110/5550	11.50	11.06	7.83	8.25
	134/5670	11.50	10.44	7.48	7.37
	142/5710	11.50	10.24	7.23	7.22
802.11ac-VHT80 (MCS0)	106/5530	11.50	10.82	7.46	8.14
	138/5690	11.50	9.98	7.08	6.85
802.11ax-HE20	114/5570	11.50	11.08	7.92	8.21

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(MCS0)	100/5500	11.50	11.03	7.87	8.17
	116/5580	11.50	10.76	7.59	7.91
	140/5700	11.50	10.13	7.17	7.07
802.11ax-HE40 (MCS0)	144/5720	11.50	10.66	7.80	7.49
	102/5510	11.50	10.85	7.59	8.07
	110/5550	11.50	11.15	7.83	8.42
	134/5670	11.50	10.34	7.30	7.36
802.11ax-HE80 (MCS0)	142/5710	11.50	10.12	7.14	7.08
	106/5530	11.50	10.92	7.74	8.07

Wi-Fi 5GHz (U-NII-3) Sensor off- Ant1 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	17.50	17.02
	157/5785	17.50	16.88
	165/5825	17.50	16.92
802.11n-HT20 (MCS0)	149/5745	17.00	16.43
	157/5785	17.00	16.17
	165/5825	17.00	16.07
802.11n-HT40 (MCS0)	151/5755	17.00	16.57
	159/5795	17.00	16.44
802.11ac-VHT20 (MCS0)	149/5745	17.00	16.41
	157/5785	17.00	16.14
	165/5825	17.00	16.08
802.11ac-VHT40 (MCS0)	151/5755	17.00	16.52
	159/5795	17.00	16.38
802.11ac-VHT80 (MCS0)	155/5775	17.00	16.40
802.11ax-HE20 (MCS0)	149/5745	17.00	16.47
	157/5785	17.00	16.23
	165/5825	17.00	16.14
802.11ax-HE40 (MCS0)	151/5755	17.00	16.46
	159/5795	17.00	16.27
802.11ax-HE80 (MCS0)	155/5775	17.00	16.50

Wi-Fi 5GHz (U-NII-3) Sensor on- Ant1	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.

Mode			
802.11a (6M)	149/5745	9.50	9.36
	157/5785	9.00	8.40
	165/5825	9.00	8.34
802.11n-HT20 (MCS0)	149/5745	9.00	8.50
	157/5785	9.00	8.78
	165/5825	9.00	8.80
802.11n-HT40 (MCS0)	151/5755	9.00	8.96
	159/5795	9.00	8.86
802.11ac-VHT20 (MCS0)	149/5745	9.00	8.78
	157/5785	9.00	8.79
	165/5825	9.00	8.53
802.11ac-VHT40 (MCS0)	151/5755	9.00	8.94
	159/5795	9.00	8.88
802.11ac-VHT80 (MCS0)	155/5775	9.00	8.78
802.11ax-HE20 (MCS0)	149/5745	9.00	8.88
	157/5785	9.00	8.83
	165/5825	9.00	8.60
802.11ax-HE40 (MCS0)	151/5755	9.00	8.82
	159/5795	9.00	8.80
802.11ax-HE80 (MCS0)	155/5775	9.00	8.85

Wi-Fi 5GHz (U-NII-3) Sensor off- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	17.50	17.36
	157/5785	17.50	17.10
	165/5825	17.50	16.90
802.11n-HT20 (MCS0)	149/5745	17.00	16.40
	157/5785	17.00	16.02
	165/5825	17.00	15.91
802.11n-HT40 (MCS0)	151/5755	17.00	16.57
	159/5795	17.00	16.26
802.11ac-VHT20 (MCS0)	149/5745	17.00	16.36
	157/5785	17.00	15.99
	165/5825	17.00	15.86
802.11ac-VHT40	151/5755	17.00	16.63

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(MCS0)	159/5795	17.00	16.21
802.11ac-VHT80 (MCS0)	155/5775	17.00	16.24
802.11ax-HE20 (MCS0)	149/5745	17.00	16.42
	157/5785	17.00	16.02
	165/5825	17.00	15.92
802.11ax-HE40 (MCS0)	151/5755	17.00	16.44
	159/5795	17.00	16.09
802.11ax-HE80 (MCS0)	155/5775	17.00	16.29

Wi-Fi 5GHz (U-NII-3) Sensor on- Ant2 Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)	
		Tune-up	Meas.
802.11a (6M)	149/5745	9.50	8.92
	157/5785	9.50	8.66
	165/5825	9.50	8.86
802.11n-HT20 (MCS0)	149/5745	9.00	8.35
	157/5785	9.00	8.54
	165/5825	9.00	8.97
802.11n-HT40 (MCS0)	151/5755	9.00	8.48
	159/5795	9.00	8.74
802.11ac-VHT20 (MCS0)	149/5745	9.00	8.34
	157/5785	9.00	8.55
	165/5825	9.00	8.96
802.11ac-VHT40 (MCS0)	151/5755	9.00	8.52
	159/5795	9.00	8.80
802.11ac-VHT80 (MCS0)	155/5775	9.00	8.56
802.11ax-HE20 (MCS0)	149/5745	9.00	8.42
	157/5785	9.00	8.64
	165/5825	9.00	8.74
802.11ax-HE40 (MCS0)	151/5755	9.00	8.43
	159/5795	9.00	8.69
802.11ax-HE80 (MCS0)	155/5775	9.00	8.66

Wi-Fi 5GHz (U-NII-3) Sensor off- MIMO	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.	Ant 1	Ant 2

Mode					
802.11a (6M)	149/5745	19.50	17.62	14.99	14.32
	157/5785	19.50	17.65	15.01	14.36
	165/5825	19.50	17.82	15.03	14.69
802.11n-HT20 (MCS0)	149/5745	20.00	19.38	16.43	16.40
	157/5785	20.00	19.11	16.17	16.02
	165/5825	20.00	18.87	16.07	15.91
802.11n-HT40 (MCS0)	151/5755	20.00	18.97	16.57	16.57
	159/5795	20.00	18.73	16.44	16.26
802.11ac-VHT20 (MCS0)	149/5745	20.00	19.37	16.41	16.36
	157/5785	20.00	19.08	16.14	15.99
	165/5825	20.00	18.86	16.08	15.86
802.11ac-VHT40 (MCS0)	151/5755	20.00	18.99	16.52	16.63
	159/5795	20.00	18.68	16.38	16.21
802.11ac-VHT80 (MCS0)	155/5775	20.00	18.80	16.40	16.24
802.11ax-HE20 (MCS0)	149/5745	20.00	19.39	16.47	16.42
	157/5785	20.00	18.59	16.23	16.02
	165/5825	20.00	18.36	16.14	15.92
802.11ax-HE40 (MCS0)	151/5755	20.00	18.94	16.46	16.44
	159/5795	20.00	18.65	16.27	16.09
802.11ax-HE80 (MCS0)	155/5775	20.00	18.88	16.50	16.29

Wi-Fi 5GHz (U-NII-3) Sensor on- MIMO Mode	Channel /Frequency(MHz)	Maximum Output Power (dBm)			
		Tune-up	Meas.		
			MIMO	Ant 1	Ant 2
802.11a (6M)	149/5745	11.50	10.55	7.38	7.70
	157/5785	11.50	10.55	7.41	7.66
	165/5825	11.50	10.47	7.30	7.62
802.11n-HT20 (MCS0)	149/5745	11.00	10.12	6.88	7.33
	157/5785	11.00	10.36	7.26	7.44
	165/5825	11.00	10.79	7.44	8.09
802.11n-HT40 (MCS0)	151/5755	11.00	10.40	7.40	7.38
	159/5795	11.00	10.52	7.42	7.60
802.11ac-VHT20 (MCS0)	149/5745	11.00	10.23	7.24	7.20
	157/5785	11.00	10.50	7.33	7.65
	165/5825	11.00	10.65	7.15	8.08
802.11ac-VHT40	151/5755	11.00	10.46	7.34	7.56

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(MCS0)	159/5795	11.00	10.65	7.48	7.80
802.11ac-VHT80 (MCS0)	155/5775	11.00	10.44	7.40	7.46
802.11ax-HE20 (MCS0)	149/5745	11.00	10.46	7.36	7.54
	157/5785	11.00	10.40	7.21	7.56
	165/5825	11.00	10.56	7.02	8.03
802.11ax-HE40 (MCS0)	151/5755	11.00	10.36	7.30	7.39
	159/5795	11.00	10.58	7.28	7.85
802.11ax-HE80 (MCS0)	155/5775	11.00	10.54	7.35	7.70

9.4 Bluetooth Mode

Bluetooth-Ant1	Conducted Power(dBm)			Tune-up Limit (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 39/2441 MHz	Ch 78/2480 MHz	
GFSK	8.32	7.77	6.53	8.50
π/4DQPSK	8.21	8.48	7.22	8.50
8DPSK	8.25	8.31	7.64	8.50
BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	Tune-up Limit (dBm)
1M	5.83	6.02	4.81	8.00
2M	3.04	3.27	2.05	8.00
S2	5.49	5.63	4.51	8.00
S8	7.07	7.41	6.19	8.00

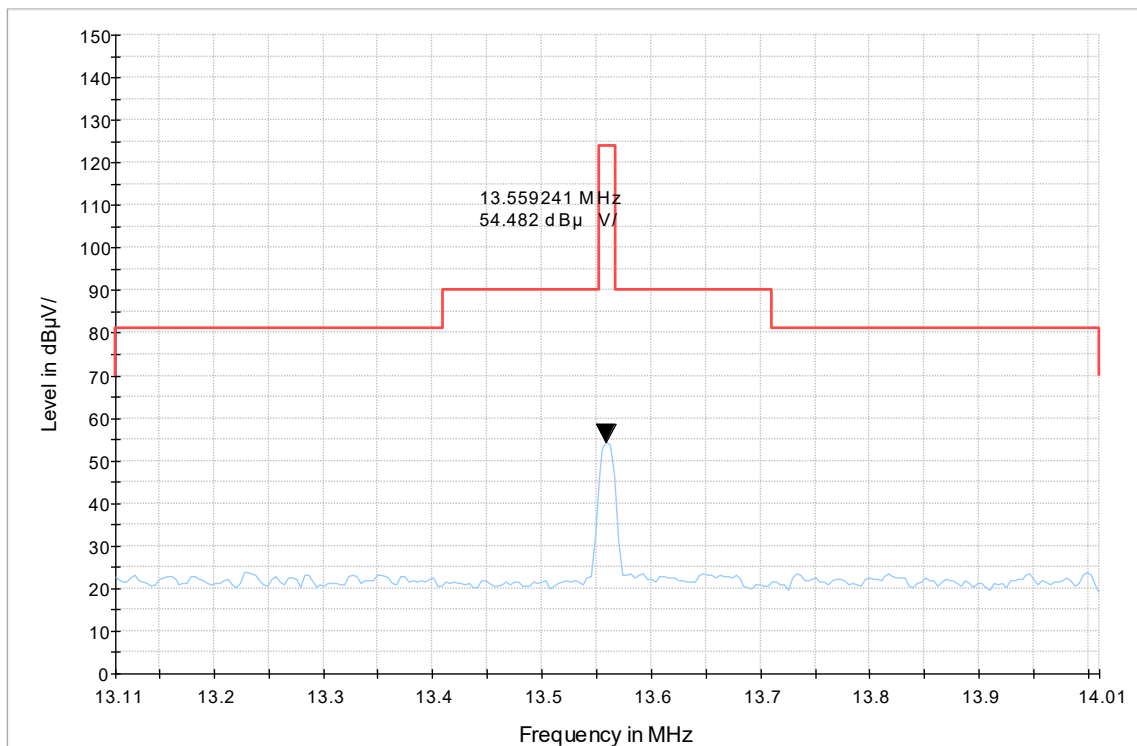
Bluetooth-Ant2	Conducted Power(dBm)			Tune-up Limit (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 39/2441 MHz	Ch 78/2480 MHz	
GFSK	8.28	7.51	6.52	8.50
$\pi/4$ DQPSK	7.90	8.26	7.20	8.50
8DPSK	8.32	8.13	7.75	8.50
BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	Tune-up Limit (dBm)
1M	5.43	5.83	4.86	8.00
2M	2.61	2.96	2.20	8.00
S2	5.05	5.54	4.74	8.00
S8	6.74	7.14	6.05	8.00

9.5 NFC Mode

Frequency(MHz)	dB μ V/m @3m	EIRP (dBm)	Tune-up Limit (dBm)	Tune-up Limit (mW)	SAR Test Exclusion Power Thresholds(mW)
13.56	54.482	-40.718	-39.00	<1	443
Note1: EIRP = Max.H-field strength @ 3m – 95.2 Note2: The Tune-up<1mWx<443mW, according to 447498 D01 General RF Exposure Guidance v06 section 4.3.1, the SAR test exclusion power thresholds for NFC band is 443 mW.					

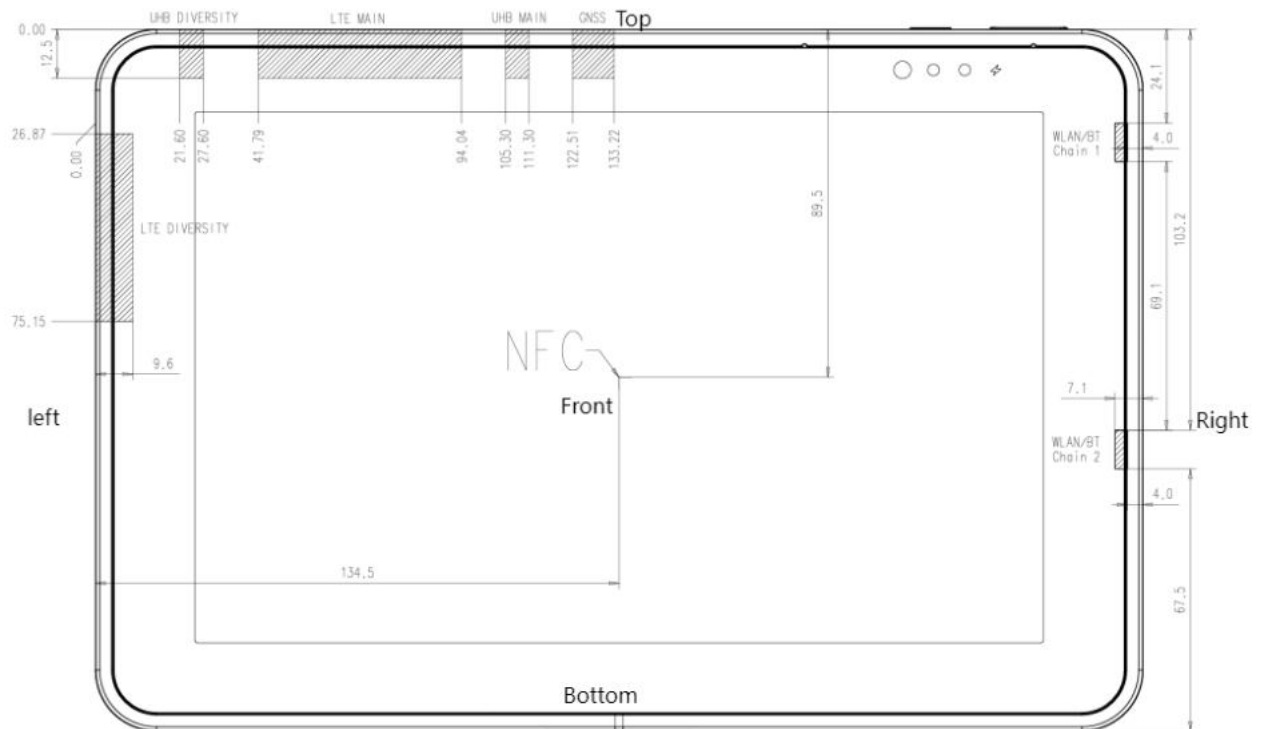
The test is in transmitting all modes, NFC-A was selected as the worst condition. The test data of the worst-case condition was recorded as below.

A symbol ($\text{dB}\mu\text{V}/\text{m}$) in the test plot below means (dB μ V/m).



10 Measured and Reported (Scaled) SAR Results

10.1 EUT Antenna Locations



Overall (Length x Width): 269 mm x 180 mm

Overall Diagonal: 314 mm

Note:

1. Per FCC KDB 447498 D01, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- a) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- b) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- c) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

2. When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

10.2 Measured SAR Results

Note:

1. The value with blue color is the maximum SAR Value of each test band.
2. For LTE, QPSK with 100% RB allocation, SAR is required when and the highest reported SAR for 1 RB and 50% RB allocation in are $\geq 50\%$ limit(1g).
3. Per 248227, for band U-NII-1 and U-NII-2A, when the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.

Body SAR

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
LTE Band 7	Main	Back Side	0	QPSK	Sensor on	1	99	20850/2510	15.50	15.14	0.962	0.010	1.09	1.045	/
			0	QPSK	Sensor on	1	99	21100/2535	15.50	15.10	0.825	0.025	1.10	0.905	/
			0	QPSK	Sensor on	1	50	21350/2560	15.50	15.14	0.671	0.070	1.09	0.729	/
			0	QPSK	Sensor on	50%	50	20850/2510	15.50	15.15	0.939	0.024	1.08	1.018	/
			0	QPSK	Sensor on	50%	25	21100/2535	15.50	15.00	0.935	0.180	1.12	1.049	/
			0	QPSK	Sensor on	50%	25	21350/2560	15.50	15.06	0.688	0.026	1.11	0.761	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	99	20850/2510	15.50	15.14	0.042	0.060	1.09	0.046	/
			0	QPSK	Sensor on	50%	50	20850/2510	15.50	15.15	0.044	-0.080	1.08	0.048	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	99	20850/2510	15.50	15.14	0.965	0.023	1.09	1.048	/
			0	QPSK	Sensor on	1	99	21100/2535	15.50	15.10	0.895	-0.080	1.10	0.981	/
			0	QPSK	Sensor on	1	50	21350/2560	15.50	15.14	0.845	0.040	1.09	0.918	/
			0	QPSK	Sensor on	50%	50	20850/2510	15.50	15.15	0.969	-0.095	1.08	1.050	27
			0	QPSK	Sensor on	50%	25	21100/2535	15.50	15.00	0.936	0.032	1.12	1.050	/
			0	QPSK	Sensor on	50%	25	21350/2560	15.50	15.06	0.850	0.016	1.11	0.941	/
			0	QPSK	Sensor on	100%	0	21350/2560	15.50	15.14	0.850	0.022	1.09	0.923	/
			0	QPSK	Sensor on	100%	0	20850/2510	15.50	14.94	0.908	0.040	1.14	1.033	/
			0	QPSK	Sensor on	100%	0	21100/2535	15.50	14.88	0.907	0.032	1.15	1.046	/
		Top Edge Repeat	0	QPSK	Sensor on	50%	50	20850/2510	15.50	15.15	0.961	0.060	1.08	1.042	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 12	Main	Back Side	0	QPSK	Sensor on	1	25	23095/707.5	17.50	16.73	0.489	0.020	1.19	0.584	/
			0	QPSK	Sensor on	50%	25	23130/711	17.50	16.77	0.583	-0.070	1.18	0.690	/

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		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	25	23095/707.5	17.50	16.73	0.075	0.023	1.19	0.090	/
			0	QPSK	Sensor on	50%	25	23130/711	17.50	16.77	0.081	0.070	1.18	0.096	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	25	23095/707.5	17.50	16.73	0.868	0.060	1.19	1.036	/
			0	QPSK	Sensor on	1	49	23060/704	17.50	16.63	0.823	-0.100	1.22	1.006	/
			0	QPSK	Sensor on	1	49	23130/711	17.50	16.69	0.780	0.060	1.21	0.940	/
			0	QPSK	Sensor on	50%	25	23130/711	17.50	16.77	0.884	-0.050	1.18	1.046	28
			0	QPSK	Sensor on	50%	0	23060/704	17.50	16.75	0.829	0.031	1.19	0.985	/
			0	QPSK	Sensor on	50%	13	23095/707.5	17.50	16.75	0.828	0.010	1.19	0.984	/
			0	QPSK	Sensor on	100%	0	23130/711	17.50	16.69	0.823	0.040	1.21	0.992	/
			0	QPSK	Sensor on	100%	0	23060/704	17.50	16.49	0.814	0.026	1.26	1.027	/
			0	QPSK	Sensor on	100%	0	23095/707.5	17.50	16.59	0.809	0.011	1.23	0.998	/
		Top Edge Repeat	0	QPSK	Sensor on	50%	25	23130/711	17.50	16.77	0.865	0.041	1.18	1.023	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 13	Main	Back Side	0	QPSK	Sensor on	1	49	23230/782	18.50	18.28	1.020	0.090	1.05	1.073	/
			0	QPSK	Sensor on	50%	25	23230/782	18.50	18.20	1.040	0.025	1.07	1.114	/
			0	QPSK	Sensor on	100%	0	23230/782	18.50	18.37	1.060	0.010	1.03	1.092	/
		Back Side Repeat	0	QPSK	Sensor on	100%	0	23230/782	18.50	18.37	1.100	-0.030	1.03	1.133	29
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	49	23230/782	18.50	18.28	0.099	-0.105	1.05	0.104	/
			0	QPSK	Sensor on	50%	25	23230/782	18.50	18.20	0.108	0.024	1.07	0.116	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	49	23230/782	18.50	18.28	0.412	0.080	1.05	0.433	/
			0	QPSK	Sensor on	50%	25	23230/782	18.50	18.20	0.355	0.049	1.07	0.380	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 14	Main	Back Side	0	QPSK	Sensor on	1	25	23330/793	19.50	19.18	0.977	-0.090	1.08	1.052	/
			0	QPSK	Sensor on	50%	13	23330/793	19.50	19.26	1.070	-0.025	1.06	1.131	30
			0	QPSK	Sensor on	100%	0	23330/793	19.50	19.18	1.020	0.048	1.08	1.098	/
		Back Side Repeat	0	QPSK	Sensor on	50%	13	23330/793	19.50	19.26	1.010	0.030	1.06	1.067	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	25	23330/793	19.50	19.18	0.213	0.011	1.08	0.229	/
			0	QPSK	Sensor on	50%	13	23330/793	19.50	19.26	0.154	0.023	1.06	0.163	/

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		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	25	23330/793	19.50	19.18	0.384	0.048	1.08	0.413	/
			0	QPSK	Sensor on	50%	13	23330/793	19.50	19.26	0.530	0.025	1.06	0.560	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

LTE Band 25	Main	Back Side	0	QPSK	Sensor on	1	50	26365/1882.5	17.50	17.30	0.802	0.034	1.05	0.840	/
			0	QPSK	Sensor on	1	99	26140/1860	17.50	17.24	0.785	0.120	1.06	0.833	/
			0	QPSK	Sensor on	1	0	26590/1905	17.50	17.06	0.822	0.070	1.11	0.910	/
			0	QPSK	Sensor on	50%	0	26140/1860	17.50	17.28	0.908	-0.170	1.05	0.955	31
			0	QPSK	Sensor on	50%	0	26365/1882.5	17.50	17.26	0.793	-0.050	1.06	0.838	/
			0	QPSK	Sensor on	50%	0	26590/1905	17.50	17.26	0.829	0.029	1.06	0.876	/
			0	QPSK	Sensor on	100%	0	26140/1860	17.50	17.24	0.736	0.026	1.06	0.781	/
			0	QPSK	Sensor on	100%	0	26365/1882.5	17.50	17.20	0.796	0.019	1.07	0.853	/
			0	QPSK	Sensor on	100%	0	26590/1905	17.50	16.92	0.832	0.020	1.14	0.951	/
		Back Side Repeat	0	QPSK	Sensor on	50%	0	26140/1860	17.50	17.28	0.865	-0.014	1.05	0.910	/
			Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A
		0		QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	50	26365/1882.5	17.50	17.30	0.237	0.016	1.05	0.248	/
			0	QPSK	Sensor on	50%	0	26140/1860	17.50	17.28	0.231	0.052	1.05	0.243	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	50	26365/1882.5	17.50	17.30	0.601	0.029	1.05	0.629	/
			0	QPSK	Sensor on	50%	0	26140/1860	17.50	17.28	0.736	0.010	1.05	0.774	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

LTE Band 26	Main	Back Side	0	QPSK	Sensor on	1	0	26965/841.5	19.50	18.90	0.781	0.130	1.15	0.897	/
			0	QPSK	Sensor on	1	38	26865/831.5	19.50	18.71	0.824	0.150	1.20	0.988	/
			0	QPSK	Sensor on	1	0	26915/836.5	19.50	18.87	0.795	0.030	1.16	0.919	/
			0	QPSK	Sensor on	50%	0	26915/836.5	19.50	19.01	0.803	-0.019	1.12	0.899	/
			0	QPSK	Sensor on	50%	39	26865/831.5	19.50	18.83	0.810	0.013	1.17	0.945	/
			0	QPSK	Sensor on	50%	39	26965/841.5	19.50	18.95	0.706	0.038	1.14	0.801	/
			0	QPSK	Sensor on	100%	0	26915/836.5	19.50	18.65	0.795	0.035	1.22	0.967	/
			0	QPSK	Sensor on	100%	0	26865/831.5	19.50	18.63	0.781	0.010	1.22	0.954	/
			0	QPSK	Sensor on	100%	0	26965/841.5	19.50	18.71	0.744	0.012	1.20	0.892	/
		Back Side	0	QPSK	Sensor on	1	0	26740/819	19.50	18.89	0.759	0.011	1.15	0.873	/
			0	QPSK	Sensor on	50%	13	26740/819	19.50	18.99	0.772	0.019	1.12	0.868	/
		Back Side Repeat	0	QPSK	Sensor on	1	38	26865/831.5	19.50	18.71	0.896	0.080	1.20	1.075	32
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	0	26965/841.5	19.50	18.90	0.198	0.014	1.15	0.227	/

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LTE Band 30	Main	Right Edge	0	QPSK	Sensor on	50%	0	26915/836.5	19.50	19.01	0.212	0.076	1.12	0.237	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	0	26965/841.5	19.50	18.90	0.330	0.090	1.15	0.379	/
			0	QPSK	Sensor on	50%	0	26915/836.5	19.50	19.01	0.348	-0.040	1.12	0.390	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Back Side	0	QPSK	Sensor on	1	49	27710/2310	14.50	14.02	0.959	-0.160	1.12	1.071	/
			0	QPSK	Sensor on	50%	25	27710/2310	14.50	14.22	1.060	0.140	1.07	1.131	33
			0	QPSK	Sensor on	100%	0	27710/2310	14.50	14.10	1.010	0.020	1.10	1.107	/
		Back Side Repeat	0	QPSK	Sensor on	50%	25	27710/2310	14.50	14.22	1.020	0.038	1.07	1.088	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 40	Main	Left Edge	0	QPSK	Sensor on	1	49	27710/2310	14.50	14.02	0.114	0.024	1.12	0.127	/
			0	QPSK	Sensor on	50%	25	27710/2310	14.50	14.22	0.107	0.050	1.07	0.114	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	49	27710/2310	14.50	14.02	0.585	0.070	1.12	0.653	/
			0	QPSK	Sensor on	50%	25	27710/2310	14.50	14.22	0.619	0.049	1.07	0.660	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Back Side	0	QPSK	Sensor on	1	25	39200/2355.0	16.00	15.60	0.744	0.022	1.10	0.816	/
			0	QPSK	Sensor on	50%	13	39200/2355.0	16.00	15.60	0.778	0.070	1.10	0.853	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 41	Main	Left Edge	0	QPSK	Sensor on	1	25	39200/2355.0	16.00	15.60	0.068	0.045	1.10	0.075	/
			0	QPSK	Sensor on	50%	13	39200/2355.0	16.00	15.60	0.062	0.020	1.10	0.068	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	25	39200/2355.0	16.00	15.60	0.584	0.130	1.10	0.640	/
			0	QPSK	Sensor on	50%	13	39200/2355.0	16.00	15.60	0.622	0.077	1.10	0.682	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Back Side	0	QPSK	Sensor on	1	0	38750/2310.0	16.00	15.48	0.793	0.140	1.13	0.894	/
			0	QPSK	Sensor on	50%	0	38750/2310.0	16.00	15.46	0.803	0.056	1.13	0.909	/
			0	QPSK	Sensor on	100%	0	38750/2310.0	16.00	15.54	0.823	0.020	1.11	0.915	/
		Back Side Repeat	0	QPSK	Sensor on	50%	0	38750/2310.0	16.00	15.46	0.825	0.020	1.13	0.934	34
LTE Band 41	Main	Back Side	0	QPSK	Sensor on	1	0	41490/2680	17.00	16.56	0.404	0.019	1.11	0.447	/
			0	QPSK	Sensor on	50%	50	41490/2680	17.00	16.50	0.384	-0.060	1.12	0.431	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

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LTE Band 42	Main	Left Edge	0	QPSK	Sensor on	1	0	41490/2680	17.00	16.56	0.016	0.032	1.11	0.018	/
			0	QPSK	Sensor on	50%	50	41490/2680	17.00	16.50	0.013	0.170	1.12	0.015	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	0	41490/2680	17.00	16.56	0.611	0.050	1.11	0.676	/
			0	QPSK	Sensor on	50%	50	41490/2680	17.00	16.50	0.680	0.069	1.12	0.763	35
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Back Side	0	QPSK	Sensor on	1	99	42590/3500	13.50	12.99	0.318	0.041	1.12	0.358	/
			0	QPSK	Sensor on	50%	0	43490/3590	13.50	13.10	0.274	0.035	1.10	0.300	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 42	Main	Left Edge	0	QPSK	Sensor on	1	99	42590/3500	13.50	12.99	0.020	-0.090	1.12	0.022	/
			0	QPSK	Sensor on	50%	0	43490/3590	13.50	13.10	0.016	0.027	1.10	0.018	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	99	42590/3500	13.50	12.99	0.988	0.030	1.12	1.111	/
			0	QPSK	Sensor on	1	99	41690/3410	13.50	12.98	0.679	0.039	1.13	0.765	/
			0	QPSK	Sensor on	1	0	43490/3590	13.50	12.80	0.810	0.105	1.17	0.952	/
			0	QPSK	Sensor on	50%	0	43490/3590	13.50	13.10	0.993	0.019	1.10	1.089	/
			0	QPSK	Sensor on	50%	0	41690/3410	13.50	12.98	0.911	0.048	1.13	1.027	/
			0	QPSK	Sensor on	50%	0	42590/3500	13.50	12.94	0.939	0.022	1.14	1.068	/
			0	QPSK	Sensor on	100%	0	41690/3410	13.50	12.70	0.801	-0.026	1.20	0.963	/
			0	QPSK	Sensor on	100%	0	42590/3500	13.50	12.70	0.737	0.010	1.20	0.886	/
			0	QPSK	Sensor on	100%	0	43490/3590	13.50	12.60	0.863	0.047	1.23	1.062	/
		Top Edge Repeat	0	QPSK	Sensor on	50%	0	43490/3590	13.50	13.10	1.070	0.097	1.10	1.173	36
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 43	Main	Back Side	0	QPSK	Sensor on	1	0	43690/3610	11.50	10.79	0.214	0.032	1.18	0.252	/
			0	QPSK	Sensor on	50%	25	43690/3610	11.50	10.83	0.176	0.190	1.17	0.205	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	0	43690/3610	11.50	10.79	0.028	0.046	1.18	0.033	/
			0	QPSK	Sensor on	50%	25	43690/3610	11.50	10.83	0.031	0.105	1.17	0.036	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	0	43690/3610	11.50	10.79	0.773	0.021	1.18	0.910	37
			0	QPSK	Sensor on	1	50	44590/3700	11.50	10.77	0.751	0.027	1.18	0.888	/
			0	QPSK	Sensor on	1	0	45490/3790	11.50	10.63	0.529	0.100	1.22	0.646	/
			0	QPSK	Sensor on	50%	25	43690/3610	11.50	10.83	0.751	0.026	1.17	0.876	/
			0	QPSK	Sensor on	50%	25	44590/3700	11.50	10.61	0.741	-0.050	1.23	0.910	/
			0	QPSK	Sensor on	50%	25	45490/3790	11.50	10.79	0.595	0.038	1.18	0.701	/

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			0	QPSK	Sensor on	100%	0	43690/3610	11.50	10.77	0.724	0.047	1.18	0.857	/
			0	QPSK	Sensor on	100%	0	44590/3700	11.50	10.51	0.721	0.026	1.26	0.906	/
			0	QPSK	Sensor on	100%	0	45490/3790	11.50	10.49	0.712	0.080	1.26	0.898	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 48	Main	Back Side	0	QPSK	Sensor on	1	0	56340/3660	13.50	12.55	0.243	0.043	1.24	0.302	/
			0	QPSK	Sensor on	50%	50	56340/3660	13.50	12.57	0.202	0.080	1.24	0.250	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	0	56340/3660	13.50	12.55	0.056	-0.015	1.24	0.070	/
			0	QPSK	Sensor on	50%	25	56340/3660	13.50	12.57	0.051	0.020	1.24	0.063	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	50	56340/3660	13.50	12.55	0.812	0.037	1.24	1.011	/
			0	QPSK	Sensor on	1	99	56490/3675	13.50	12.44	0.708	0.028	1.28	0.904	/
			0	QPSK	Sensor on	1	50	56640/3690	13.50	12.54	0.696	0.016	1.25	0.868	/
			0	QPSK	Sensor on	50%	50	56340/3660	13.50	12.57	0.823	0.010	1.24	1.020	38
			0	QPSK	Sensor on	50%	50	56490/3675	13.50	12.42	0.596	0.060	1.28	0.764	/
			0	QPSK	Sensor on	50%	50	56640/3690	13.50	12.53	0.597	-0.020	1.25	0.746	/
			0	QPSK	Sensor on	100%	0	56340/3660	13.50	12.41	0.563	0.059	1.29	0.724	/
			0	QPSK	Sensor on	100%	0	56490/3675	13.50	12.45	0.592	0.030	1.27	0.754	/
			0	QPSK	Sensor on	100%	0	56640/3690	13.50	12.49	0.599	0.014	1.26	0.756	/
		Top Edge Repeat	0	QPSK	Sensor on	50%	50	56340/3660	13.50	12.57	0.812	-0.050	1.24	1.006	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 66	Main	Back Side	0	QPSK	Sensor on	1	0	132572/1770	17.50	17.39	0.849	0.060	1.03	0.871	/
			0	QPSK	Sensor on	1	0	132072/1720	17.50	17.37	0.891	-0.019	1.03	0.918	/
			0	QPSK	Sensor on	1	99	132322/1745	17.50	17.30	0.875	0.030	1.05	0.916	/
			0	QPSK	Sensor on	50%	50	132072/1720	17.50	17.33	0.970	-0.190	1.04	1.009	39
			0	QPSK	Sensor on	50%	0	132322/1745	17.50	17.33	0.891	0.070	1.04	0.927	/
			0	QPSK	Sensor on	50%	25	132572/1770	17.50	17.29	0.865	0.066	1.05	0.908	/
			0	QPSK	Sensor on	100%	0	132322/1745	17.50	17.43	0.879	0.080	1.02	0.893	/
			0	QPSK	Sensor on	100%	0	132072/1720	17.50	17.19	0.916	0.021	1.07	0.984	/
			0	QPSK	Sensor on	100%	0	132572/1770	17.50	17.25	0.826	0.031	1.06	0.875	/
		Back Side Repeat	0	QPSK	Sensor on	50%	50	132072/1720	17.50	17.33	0.946	0.028	1.04	0.984	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	0	132572/1770	17.50	17.39	0.267	0.114	1.03	0.274	/
			0	QPSK	Sensor on	50%	50	132072/1720	17.50	17.33	0.205	0.090	1.04	0.213	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

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		Top Edge	0	QPSK	Sensor on	1	0	132572/1770	17.50	17.39	0.575	-0.027	1.03	0.590	/
			0	QPSK	Sensor on	50%	50	132072/1720	17.50	17.33	0.572	0.020	1.04	0.595	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 70	Main	Back Side	0	QPSK	Sensor on	1	74	133047/1702.5	18.00	17.39	0.921	-0.032	1.15	1.060	/
			0	QPSK	Sensor on	50%	0	133047/1702.5	18.00	17.40	1.010	0.052	1.15	1.160	40
			0	QPSK	Sensor on	100%	0	133047/1702.5	18.00	17.46	0.956	0.010	1.13	1.083	/
		Back Side Repeat	0	QPSK	Sensor on	50%	0	133047/1702.5	18.00	17.40	0.985	0.035	1.15	1.131	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	74	133047/1702.5	18.00	17.39	0.172	0.080	1.15	0.198	/
			0	QPSK	Sensor on	50%	0	133047/1702.5	18.00	17.40	0.182	0.026	1.15	0.209	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	74	133047/1702.5	18.00	17.39	0.480	0.022	1.15	0.552	/
			0	QPSK	Sensor on	50%	0	133047/1702.5	18.00	17.40	0.537	-0.010	1.15	0.617	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
LTE Band 71	Main	Back Side	0	QPSK	Sensor on	1	0	133322/683	18.50	17.92	0.585	0.070	1.14	0.669	/
			0	QPSK	Sensor on	50%	25	133222/673	18.50	17.75	0.580	-0.180	1.19	0.689	/
		Front Side	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Left Edge	0	QPSK	Sensor on	1	0	133322/683	18.50	17.92	0.052	0.090	1.14	0.059	/
			0	QPSK	Sensor on	50%	25	133222/673	18.50	17.75	0.039	0.030	1.19	0.046	/
		Right Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
		Top Edge	0	QPSK	Sensor on	1	0	133322/683	18.50	17.92	0.865	-0.030	1.14	0.989	/
			0	QPSK	Sensor on	1	0	133222/673	18.50	17.58	0.758	0.180	1.24	0.937	/
			0	QPSK	Sensor on	1	50	133372/688	18.50	17.73	0.733	0.010	1.19	0.875	/
			0	QPSK	Sensor on	50%	25	133222/673	18.50	17.75	0.814	0.017	1.19	0.967	/
			0	QPSK	Sensor on	50%	50	133322/683	18.50	17.64	0.904	0.080	1.22	1.102	/
			0	QPSK	Sensor on	50%	50	133372/688	18.50	17.60	0.857	0.024	1.23	1.054	/
			0	QPSK	Sensor on	100%	0	133322/683	18.50	17.68	0.876	0.039	1.21	1.058	/
			0	QPSK	Sensor on	100%	0	133222/673	18.50	17.60	0.903	0.015	1.23	1.111	/
			0	QPSK	Sensor on	100%	0	133372/688	18.50	17.66	0.960	0.030	1.21	1.165	41
		Top Edge Repeat	0	QPSK	Sensor on	100%	0	133372/688	18.50	17.66	0.943	0.019	1.21	1.144	/
		Bottom Edge	0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/
			0	QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	/

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
NR n7	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	1	502000/2510	14.50	13.50	0.595	0.031	1.26	0.749	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	502000/2510	14.50	13.46	0.653	0.070	1.27	0.830	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	507000/2535	14.50	13.22	0.601	0.025	1.34	0.807	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	512000/2560	14.50	13.30	0.475	0.090	1.32	0.626	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	502000/2510	14.50	13.50	0.024	0.040	1.26	0.030	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	502000/2510	14.50	13.46	0.019	0.018	1.27	0.024	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	502000/2510	14.50	13.50	0.707	0.013	1.26	0.890	/
			0		DFT-s-OFDM QPSK	Sensor on	1	104	507000/2535	14.50	13.20	0.798	-0.070	1.35	1.076	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	512000/2560	14.50	13.48	0.721	0.023	1.26	0.912	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	502000/2510	14.50	13.46	0.644	0.039	1.27	0.818	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	507000/2535	14.50	13.22	0.865	0.027	1.34	1.161	42
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	512000/2560	14.50	13.30	0.727	0.049	1.32	0.958	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	502000/2510	14.50	13.52	0.708	0.100	1.25	0.887	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	507000/2535	14.50	13.44	0.790	0.070	1.28	1.008	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	512000/2560	14.50	13.50	0.712	0.016	1.26	0.896	/
		Top Edge Repeat	0		DFT-s-OFDM QPSK	Sensor on	50%	25	507000/2535	14.50	13.22	0.842	0.018	1.34	1.131	/
		Top Edge	0		CP-OFDM QPSK	Sensor on	1	1	512000/2560	14.50	13.26	0.795	0.037	1.33	1.058	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
NR n12	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	1	141300/706.5	17.50	16.63	0.540	0.040	1.22	0.660	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	18	141300/706.5	17.50	16.69	0.534	0.026	1.21	0.643	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	141300/706.5	17.50	16.63	0.021	-0.100	1.22	0.026	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	18	141300/706.5	17.50	16.69	0.016	0.012	1.21	0.019	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	141300/706.5	17.50	16.63	0.784	0.034	1.22	0.958	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	141500/707.5	17.50	16.55	0.794	0.030	1.24	0.988	/
			0		DFT-s-OFDM QPSK	Sensor on	1	77	141700/708.5	17.50	16.42	0.756	0.010	1.28	0.969	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	18	141300/706.5	17.50	16.69	0.861	-0.118	1.21	1.038	43
			0		DFT-s-OFDM QPSK	Sensor on	50%	18	141500/707.5	17.50	16.67	0.762	0.103	1.21	0.922	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	18	141700/708.5	17.50	16.69	0.774	0.070	1.21	0.933	/

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			0	SA	DFT-s-OFDM QPSK	Sensor on	100%	0	141300/706.5	17.50	16.72	0.753	0.031	1.20	0.901	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	141500/707.5	17.50	16.56	0.632	0.038	1.24	0.785	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	141700/708.5	17.50	16.76	0.772	0.050	1.19	0.915	/
		Top Edge Repeat	0		DFT-s-OFDM QPSK	Sensor on	50%	18	141300/706.5	17.50	16.69	0.849	0.013	1.21	1.023	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
NR n14	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	1	158600/793	17.00	16.37	0.628	-0.072	1.16	0.726	44
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	158600/793	17.00	16.12	0.569	0.030	1.22	0.697	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	158600/793	17.00	16.37	0.078	0.032	1.16	0.090	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	158600/793	17.00	16.12	0.079	0.040	1.22	0.097	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	158600/793	17.00	16.37	0.217	0.100	1.16	0.251	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	158600/793	17.00	16.12	0.329	0.027	1.22	0.403	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
NR n25	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	104	372000/1860	16.00	15.20	0.914	0.140	1.20	1.099	/
			0		DFT-s-OFDM QPSK	Sensor on	1	104	376500/1882.5	16.00	15.15	0.788	-0.070	1.22	0.958	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	381000/1905	16.00	15.19	0.846	0.046	1.21	1.019	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	376500/1882.5	16.00	15.21	0.923	0.023	1.20	1.107	45
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	372000/1860	16.00	14.97	0.852	0.050	1.27	1.080	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	381000/1905	16.00	14.89	0.848	0.048	1.29	1.095	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	376500/1882.5	16.00	14.95	0.833	0.020	1.27	1.061	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	372000/1860	16.00	15.07	0.784	0.070	1.24	0.971	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	381000/1905	16.00	15.13	0.856	-0.100	1.22	1.046	/
		Back Side Repeat	0		DFT-s-OFDM QPSK	Sensor on	50%	25	376500/1882.5	16.00	15.21	0.919	0.017	1.20	1.102	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	104	372000/1860	16.00	15.20	0.283	0.010	1.20	0.340	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	376500/1882.5	16.00	15.21	0.271	0.014	1.20	0.325	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	104	372000/1860	16.00	15.20	0.778	0.012	1.20	0.935	/
			0		DFT-s-OFDM QPSK	Sensor on	1	104	376500/1882.5	16.00	15.15	0.728	-0.100	1.22	0.885	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	381000/1905	16.00	15.19	0.734	0.084	1.21	0.884	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	376500/1882.5	16.00	15.21	0.692	0.053	1.20	0.830	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	372000/1860	16.00	14.97	0.725	0.060	1.27	0.919	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	381000/1905	16.00	14.89	0.659	0.017	1.29	0.851	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

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			0		DFT-s-OFDM QPSK	Sensor off	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
NR n26	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	104	167800/839	20.00	19.66	0.852	-0.080	1.08	0.921	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	167300/836.5	20.00	19.36	0.786	0.025	1.16	0.911	/
			0		DFT-s-OFDM QPSK	Sensor on	1	104	166800/834	20.00	19.60	0.816	0.180	1.10	0.895	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	166800/834	20.00	19.76	0.827	0.036	1.06	0.874	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	167300/836.5	20.00	19.28	0.776	-0.027	1.18	0.916	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	167800/839	20.00	19.46	0.775	0.010	1.13	0.878	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	166800/834	20.00	19.66	0.785	0.033	1.08	0.849	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	167300/836.5	20.00	19.10	0.732	0.140	1.23	0.901	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	167800/839	20.00	19.18	0.732	0.090	1.21	0.884	/
		Back Side	0		DFT-s-OFDM QPSK	Sensor on	1	50	163800/819	20.00	19.68	0.792	-0.030	1.08	0.853	/
		Back Side	0		DFT-s-OFDM QPSK	Sensor on	50%	12	163800/819	20.00	19.56	0.775	0.060	1.11	0.858	/
		Back Side Repeat	0		DFT-s-OFDM QPSK	Sensor on	1	104	167800/839	20.00	19.66	0.868	0.014	1.08	0.939	46
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	104	167800/839	20.00	19.66	0.042	0.030	1.08	0.045	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	164800/824	20.00	19.76	0.031	-0.072	1.06	0.033	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	104	167800/839	20.00	19.66	0.527	0.010	1.08	0.570	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	164800/824	20.00	19.76	0.434	0.030	1.06	0.459	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
NR n30	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	1	462000/2310	14.00	13.42	0.888	0.010	1.14	1.015	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	462000/2310	14.00	13.36	0.942	0.025	1.16	1.092	47
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	462000/2310	14.00	13.06	0.865	0.025	1.24	1.074	/
		Back Side Repeat	0		DFT-s-OFDM QPSK	Sensor on	50%	12	462000/2310	14.00	13.36	0.918	0.060	1.16	1.064	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	462000/2310	14.00	13.42	0.141	0.042	1.14	0.161	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	462000/2310	14.00	13.36	0.135	0.017	1.16	0.156	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	462000/2310	14.00	13.42	0.541	-0.039	1.14	0.618	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	462000/2310	14.00	13.36	0.508	0.110	1.16	0.589	/
NR n40	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	22	462000/2310	21.50	20.83	0.841	0.069	1.17	0.981	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	471000/2355	21.50	20.72	0.817	-0.024	1.20	0.978	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	6	462000/2310	21.50	20.72	0.733	0.080	1.20	0.877	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	462000/2310	21.50	20.91	0.845	0.025	1.15	0.968	/

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		Back Side Repeat	0		DFT-s-OFDM QPSK	Sensor on	1	22	462000/2310	21.50	20.83	0.848	0.038	1.17	0.989	48
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	22	462000/2310	21.50	20.83	0.063	0.035	1.17	0.074	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	6	462000/2310	21.50	20.72	0.101	0.010	1.20	0.121	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	22	462000/2310	21.50	20.83	0.537	0.037	1.17	0.627	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	6	462000/2310	21.50	20.72	0.577	0.102	1.20	0.691	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
NR n41	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	1	535998/2679.99	22.00	21.19	0.423	0.014	1.21	0.510	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	535998/2679.99	22.00	21.15	0.380	-0.060	1.22	0.462	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	535998/2679.99	22.00	21.19	0.042	0.038	1.21	0.051	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	535998/2679.99	22.00	21.15	0.037	0.170	1.22	0.045	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	535998/2679.99	22.00	21.19	0.596	0.055	1.21	0.718	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	535998/2679.99	22.00	21.15	0.619	0.027	1.22	0.753	49
NR n48	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor on	1	49	637334/3560.01	17.00	16.33	0.220	0.043	1.17	0.257	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	637334/3560.01	17.00	16.38	0.197	0.070	1.15	0.227	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	49	637334/3560.01	17.00	16.33	0.032	-0.016	1.17	0.037	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	637334/3560.01	17.00	16.38	0.028	0.014	1.15	0.032	/
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	49	637334/3560.01	17.00	16.33	0.683	0.067	1.17	0.797	50
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	637334/3560.01	17.00	16.38	0.649	0.032	1.15	0.749	/
NR n66	Main	Back Side	0	SA	DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	349000/1745	17.50	16.88	0.827	0.060	1.15	0.954	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	344000/1720	17.50	16.83	0.869	0.062	1.17	1.014	/
			0		DFT-s-OFDM QPSK	Sensor on	1	1	354000/1770	17.50	16.76	0.840	-0.190	1.19	0.996	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	349000/1745	17.50	16.85	0.967	-0.084	1.16	1.123	51
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	344000/1720	17.50	16.85	0.791	0.028	1.16	0.919	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	354000/1770	17.50	16.70	0.901	0.010	1.20	1.083	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	349000/1745	17.50	17.01	0.872	0.017	1.12	0.976	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	349000/1745	17.50	17.01	0.872	0.017	1.12	0.976	/

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			0	SA	DFT-s-OFDM QPSK	Sensor on	100%	0	344000/1720	17.50	16.75	0.894	0.060	1.19	1.063	/		
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	354000/1770	17.50	17.03	0.909	0.027	1.11	1.013	/		
		Back Side Repeat	0		DFT-s-OFDM QPSK	Sensor on	50%	25	349000/1745	17.50	16.85	0.962	0.037	1.16	1.117	/		
			Front Side		0	DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		0			DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	349000/1745	17.50	16.88	0.589	0.031	1.15	0.679	/		
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	344000/1720	17.50	16.85	0.474	-0.150	1.16	0.551	/		
		Right Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	1	349000/1745	17.50	16.88	0.559	0.075	1.15	0.645	/		
			0		DFT-s-OFDM QPSK	Sensor on	50%	25	344000/1720	17.50	16.85	0.574	0.026	1.16	0.667	/		
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	
		NR n70	Main		Back Side	0	DFT-s-OFDM QPSK	Sensor on	1	1	340500/1702.5	17.50	16.90	0.978	0.031	1.15	1.123	/
						0	DFT-s-OFDM QPSK	Sensor on	50%	18	340500/1702.5	17.50	17.11	1.030	-0.069	1.09	1.127	52
						0	DFT-s-OFDM QPSK	Sensor on	100%	0	340500/1702.5	17.50	16.95	0.991	-0.010	1.14	1.125	/
Back Side Repeat	0			DFT-s-OFDM QPSK	Sensor on	50%	18	340500/1702.5	17.50	17.11	0.986	0.020	1.09	1.079	/			
	Front Side			0	DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
0				DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/			
Left Edge	0			DFT-s-OFDM QPSK	Sensor on	1	1	340500/1702.5	17.50	16.90	0.171	0.020	1.15	0.196	/			
	0			DFT-s-OFDM QPSK	Sensor on	50%	18	340500/1702.5	17.50	17.11	0.168	0.038	1.09	0.184	/			
Right Edge	0			DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
	0			DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
Top Edge	0			DFT-s-OFDM QPSK	Sensor on	1	1	340500/1702.5	17.50	16.90	0.564	0.030	1.15	0.648	/			
	0			DFT-s-OFDM QPSK	Sensor on	50%	18	340500/1702.5	17.50	17.11	0.595	0.019	1.09	0.651	/			
Bottom Edge	0			DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
	0			DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/		
NR n71	Main			Back Side	0	DFT-s-OFDM QPSK	Sensor on	1	1	137600/688	18.50	18.01	0.591	0.010	1.12	0.662	/	
					0	DFT-s-OFDM QPSK	Sensor on	50%	25	137600/688	18.50	17.74	0.575	-0.029	1.19	0.685	/	
		Front Side	0	DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/			
			0	DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/			
		Left Edge	0	DFT-s-OFDM QPSK	Sensor on	1	1	137600/688	18.50	18.01	0.041	0.035	1.12	0.046	/			
			0	DFT-s-OFDM QPSK	Sensor on	50%	25	137600/688	18.50	17.74	0.039	0.020	1.19	0.046	/			
		Right Edge	0	DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/			
			0	DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/			
		Top Edge	0	DFT-s-OFDM QPSK	Sensor on	1	1	137600/688	18.50	18.01	0.781	0.038	1.12	0.874	/			
			0	DFT-s-OFDM QPSK	Sensor on	1	1	134600/673	18.50	17.88	0.776	0.090	1.15	0.895	/			
			0	DFT-s-OFDM QPSK	Sensor on	1	104	136100/680.5	18.50	17.88	0.669	0.170	1.15	0.772	/			
			0	DFT-s-OFDM QPSK	Sensor on	50%	25	137600/688	18.50	17.74	0.932	-0.131	1.19	1.110	53			
0	DFT-s-OFDM QPSK		Sensor on	50%	25	134600/673	18.50	17.54	0.610	0.050	1.25	0.761	/					
0	DFT-s-OFDM QPSK		Sensor on	50%	25	136100/680.5	18.50	17.64	0.901	0.017	1.22	1.098	/					

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NR n77	Main		0	SA	DFT-s-OFDM QPSK	Sensor on	100%	0	137600/688	18.50	17.58	0.652	0.140	1.24	0.806	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	134600/673	18.50	17.76	0.638	0.060	1.19	0.757	/
			0		DFT-s-OFDM QPSK	Sensor on	100%	0	136100/680.5	18.50	17.86	0.774	0.020	1.16	0.897	/
		Top Edge Repeat	0		DFT-s-OFDM QPSK	Sensor on	50%	25	137600/688	18.50	17.74	0.925	-0.080	1.19	1.102	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Back Side	0		DFT-s-OFDM QPSK	Sensor on	1	49	635998/3540	17.50	16.40	0.199	0.160	1.29	0.256	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	635998/3540	17.50	16.57	0.222	-0.029	1.24	0.275	/
		Front Side	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0		DFT-s-OFDM QPSK	Sensor on	1	49	635998/3540	17.50	16.40	0.027	0.045	1.29	0.035	/
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	635998/3540	17.50	16.57	0.033	0.014	1.24	0.041	/
NR n77	Main	Right Edge	0	SA	DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	49	635998/3540	17.50	16.40	0.614	0.067	1.29	0.791	54
			0		DFT-s-OFDM QPSK	Sensor on	50%	12	635998/3540	17.50	16.57	0.606	0.040	1.24	0.751	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	1	49	647334/3710	17.50	16.33	0.516	0.029	1.31	0.676	/
		Top Edge	0		DFT-s-OFDM QPSK	Sensor on	50%	12	647334/3710	17.50	16.33	0.558	0.010	1.31	0.731	/
		Bottom Edge	0		DFT-s-OFDM QPSK	Sensor off	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
			0		DFT-s-OFDM QPSK	Sensor off	50%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	Duty Cycle	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/Kg)	Plot No.
Wi-Fi 2.4G	ANT1	Back Side	0	802.11b	Sensor on	100.0%	11/2462	9.50	9.10	0.558	-0.060	1.10	0.612	/
		Front Side	0	802.11b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	802.11b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	802.11b	Sensor on	100.0%	11/2462	9.50	9.10	0.606	0.080	1.10	0.664	/
		Top Edge	0	802.11b	Sensor on	100.0%	11/2462	9.50	9.10	0.179	0.024	1.10	0.196	/
		Bottom Edge	0	802.11b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT2	Back Side	0	802.11b	Sensor on	100.0%	1/2412	9.50	9.40	0.378	0.021	1.02	0.387	/
		Front Side	0	802.11b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	802.11b	N/A	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	802.11b	Sensor on	100.0%	1/2412	9.50	9.40	0.386	-0.120	1.02	0.395	/
		Top Edge	0	802.11b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	802.11b	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	0	802.11b	Sensor on	100.0%	1/2412	12.50	12.13	0.462	0.027	1.09	0.503	/
		Right Edge	0	802.11b	Sensor on	100.0%	1/2412	12.50	12.13	0.532	0.018	1.09	0.579	/
Wi-Fi 5G U-NII-2A	ANT1	Back Side	0	11a	Sensor on	100.0%	52/5260	11.00	10.45	0.282	-0.140	1.14	0.320	/
		Front Side	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	11a	Sensor on	100.0%	52/5260	11.00	10.45	0.465	0.023	1.14	0.528	/
		Top Edge	0	11a	Sensor on	100.0%	52/5260	11.00	10.45	0.087	0.040	1.14	0.099	/
		Bottom Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT2	Back Side	0	11a	Sensor on	100.0%	52/5260	11.50	11.16	0.253	-0.090	1.08	0.274	/
		Front Side	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	11a	N/A	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	11a	Sensor on	100.0%	52/5260	11.50	11.16	0.532	0.010	1.08	0.575	/
		Top Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	0	11a	Sensor on	100.0%	64/5320	12.50	11.26	0.331	0.040	1.33	0.440	/
		Right Edge	0	11a	Sensor on	100.0%	64/5320	12.50	11.26	0.485	0.029	1.33	0.645	/
Wi-Fi 5G U-NII-2C	ANT1	Back Side	0	11a	Sensor on	100.0%	116/5580	10.00	9.84	0.334	0.011	1.04	0.347	/
		Front Side	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	11a	Sensor on	100.0%	116/5580	10.00	9.84	0.623	0.036	1.04	0.646	/
		Top Edge	0	11a	Sensor on	100.0%	116/5580	10.00	9.84	0.102	-0.050	1.04	0.106	/
		Bottom Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT2	Back Side	0	11a	Sensor on	100.0%	144/5720	10.00	9.59	0.286	0.022	1.10	0.314	/
		Front Side	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	11a	N/A	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	11a	Sensor on	100.0%	144/5720	10.00	9.59	0.652	0.070	1.10	0.717	/

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		Top Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Back Side	0	11a	Sensor on	100.0%	100/5500	12.00	11.11	0.362	-0.028	1.23	0.444	/
		Right Edge	0	11a	Sensor on	100.0%	100/5500	12.00	11.11	0.576	0.019	1.23	0.707	/
Wi-Fi 5G U-NII-3	ANT1	Back Side	0	11a	Sensor on	100.0%	149/5745	9.50	9.36	0.253	0.013	1.03	0.261	/
		Front Side	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	11a	Sensor on	100.0%	149/5745	9.50	9.36	0.552	0.104	1.03	0.570	/
		Top Edge	0	11a	Sensor on	100.0%	149/5745	9.50	9.36	0.092	-0.050	1.03	0.095	/
		Bottom Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT2	Back Side	0	11a	Sensor on	100.0%	149/5745	9.50	8.92	0.226	0.026	1.14	0.258	/
		Front Side	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	11a	N/A	100.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	11a	Sensor on	100.0%	149/5745	9.50	8.92	0.327	0.040	1.14	0.374	/
		Top Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	11a	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	MIMO	Right Edge	0	11a	Sensor on	100.0%	149/5745	11.50	10.55	0.518	0.010	1.24	0.645	/
Bluetooth	ANT1	Back Side	0	DH5	Full power	76.9%	0/2402	8.50	8.32	0.126	0.042	1.36	0.171	55
		Front Side	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	DH5	Full power	76.9%	0/2402	8.50	8.32	0.109	0.022	1.36	0.148	/
		Top Edge	0	DH5	Full power	76.9%	0/2402	8.50	8.32	0.085	0.090	1.36	0.115	/
		Bottom Edge	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
	ANT2	Back Side	0	DH5	Full power	76.9%	0/2402	8.50	8.28	0.095	0.100	1.37	0.130	/
		Front Side	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Left Edge	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Right Edge	0	DH5	Full power	76.9%	0/2402	8.50	8.28	0.116	0.033	1.37	0.159	/
		Top Edge	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/
		Bottom Edge	0	DH5	Full power	76.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/

Additional SAR test at a conservative distance (triggering distance minus 1mm)

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	RB	Offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
LTE Band 7	Main	22	Back Side	QPSK	Sensor off	1	99	20850/2510	24.00	23.79	0.562	0.190	1.05	0.590	/
		22		QPSK	Sensor off	50%	50	20850/2510	23.00	22.61	0.461	0.020	1.09	0.504	/
		9	Left Edge	QPSK	Sensor off	1	99	20850/2510	24.00	23.79	0.097	-0.020	1.05	0.102	/
		9		QPSK	Sensor off	50%	50	20850/2510	23.00	22.61	0.083	0.106	1.09	0.091	/
		24	Top Edge	QPSK	Sensor off	1	99	20850/2510	24.00	23.79	0.919	0.150	1.05	0.965	/
		24		QPSK	Sensor off	50%	50	20850/2510	23.00	22.61	0.760	0.060	1.09	0.831	/
LTE Band 12	Main	22	Back Side	QPSK	Sensor off	1	49	23060/704	24.00	23.58	0.090	0.014	1.10	0.099	/
		22		QPSK	Sensor off	50%	0	23130/711	23.00	22.59	0.082	-0.130	1.10	0.090	/
		9	Left Edge	QPSK	Sensor off	1	49	23060/704	24.00	23.58	0.010	0.016	1.10	0.011	/
		9		QPSK	Sensor off	50%	0	23130/711	23.00	22.59	0.007	0.012	1.10	0.008	/
		24	Top Edge	QPSK	Sensor off	1	49	23060/704	24.00	23.58	0.111	0.080	1.10	0.122	/
		24		QPSK	Sensor off	50%	0	23130/711	23.00	22.59	0.098	0.062	1.10	0.108	/
LTE Band 13	Main	22	Back Side	QPSK	Sensor off	1	25	23230/782	24.00	23.33	0.145	0.023	1.17	0.169	/
		22		QPSK	Sensor off	50%	13	23230/782	23.00	22.46	0.145	0.020	1.13	0.164	/
		9	Left Edge	QPSK	Sensor off	1	25	23230/782	24.00	23.33	0.076	-0.012	1.17	0.089	/
		9		QPSK	Sensor off	50%	13	23230/782	23.00	22.46	0.069	0.011	1.13	0.078	/
		24	Top Edge	QPSK	Sensor off	1	25	23230/782	24.00	23.33	0.229	0.037	1.17	0.267	/
		24		QPSK	Sensor off	50%	13	23230/782	23.00	22.46	0.202	0.030	1.13	0.229	/
LTE Band 14	Main	22	Back Side	QPSK	Sensor off	1	49	23330/793	24.00	23.53	0.208	-0.020	1.11	0.232	/
		22		QPSK	Sensor off	50%	0	23330/793	23.00	22.33	0.153	0.026	1.17	0.179	/
		9	Left Edge	QPSK	Sensor off	1	49	23330/793	24.00	23.53	0.105	0.017	1.11	0.117	/
		9		QPSK	Sensor off	50%	0	23330/793	23.00	22.33	0.075	-0.120	1.17	0.088	/
		24	Top Edge	QPSK	Sensor off	1	49	23330/793	24.00	23.53	0.283	0.046	1.11	0.315	/
		24		QPSK	Sensor off	50%	0	23330/793	23.00	22.33	0.209	0.034	1.17	0.244	/
LTE Band 25	Main	22	Back Side	QPSK	Sensor off	1	0	26365/1882.5	24.00	23.78	0.321	0.036	1.05	0.338	/
		22		QPSK	Sensor off	50%	50	26365/1882.5	23.00	22.56	0.293	0.033	1.11	0.324	/
		9	Left Edge	QPSK	Sensor off	1	0	26365/1882.5	24.00	23.78	0.487	-0.070	1.05	0.512	/
		9		QPSK	Sensor off	50%	50	26365/1882.5	23.00	22.56	0.442	-0.020	1.11	0.489	/
		24	Top Edge	QPSK	Sensor off	1	0	26365/1882.5	24.00	23.78	0.452	0.030	1.05	0.475	/
		24		QPSK	Sensor off	50%	50	26365/1882.5	23.00	22.56	0.413	0.027	1.11	0.457	/
LTE Band 26	Main	22	Back Side	QPSK	Sensor off	1	74	26865/831.5	24.00	23.64	0.285	-0.040	1.09	0.310	/
		22		QPSK	Sensor off	50%	39	26865/831.5	23.00	22.55	0.230	0.019	1.11	0.255	/
		9	Left Edge	QPSK	Sensor off	1	74	26865/831.5	24.00	23.64	0.147	0.024	1.09	0.160	/
		9		QPSK	Sensor off	50%	39	26865/831.5	23.00	22.55	0.120	0.019	1.11	0.133	/
		24	Top Edge	QPSK	Sensor off	1	74	26865/831.5	24.00	23.64	0.353	-0.058	1.09	0.384	/
		24		QPSK	Sensor off	50%	39	26865/831.5	23.00	22.55	0.271	0.044	1.11	0.301	/
LTE Band 30	Main	22	Back Side	QPSK	Sensor off	1	49	27710/2310	23.00	22.55	0.307	0.150	1.11	0.341	/
		22		QPSK	Sensor off	50%	25	27710/2310	22.00	21.58	0.255	-0.030	1.10	0.281	/
		9	Left Edge	QPSK	Sensor off	1	49	27710/2310	23.00	22.55	0.178	0.024	1.11	0.197	/

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		9		QPSK	Sensor off	50%	25	27710/2310	22.00	21.58	0.143	0.190	1.10	0.158	/
		24	Top Edge	QPSK	Sensor off	1	49	27710/2310	23.00	22.55	0.469	-0.020	1.11	0.520	/
		24		QPSK	Sensor off	50%	25	27710/2310	22.00	21.58	0.396	-0.029	1.10	0.436	/
LTE Band 40	Main	22	Back Side	QPSK	Sensor off	1	25	39200/2355.0	24.00	23.23	0.295	0.028	1.19	0.352	/
		22		QPSK	Sensor off	50%	25	39200/2355.0	23.00	22.40	0.238	-0.026	1.15	0.273	/
		9	Left Edge	QPSK	Sensor off	1	25	39200/2355.0	24.00	23.23	0.213	-0.038	1.19	0.254	/
		9		QPSK	Sensor off	50%	25	39200/2355.0	23.00	22.40	0.165	0.029	1.15	0.189	/
		24	Top Edge	QPSK	Sensor off	1	25	39200/2355.0	24.00	23.23	0.412	0.080	1.19	0.492	/
		24		QPSK	Sensor off	50%	25	39200/2355.0	23.00	22.40	0.325	0.060	1.15	0.373	/
LTE Band 41	Main	22	Back Side	QPSK	Sensor off	1	0	41490/2680	24.00	23.75	0.260	0.030	1.06	0.275	/
		22		QPSK	Sensor off	50%	50	41490/2680	23.00	22.85	0.205	0.036	1.04	0.212	/
		9	Left Edge	QPSK	Sensor off	1	0	41490/2680	24.00	23.75	0.057	0.010	1.06	0.060	/
		9		QPSK	Sensor off	50%	50	41490/2680	23.00	22.85	0.062	-0.061	1.04	0.064	/
		24	Top Edge	QPSK	Sensor off	1	0	41490/2680	24.00	23.75	0.580	-0.030	1.06	0.614	/
		24		QPSK	Sensor off	50%	50	41490/2680	23.00	22.85	0.448	0.060	1.04	0.464	/
LTE Band 42	Main	22	Back Side	QPSK	Sensor off	1	0	42590/3500	22.50	22.36	0.245	0.040	1.03	0.253	/
		22		QPSK	Sensor off	50%	0	43490/3590	22.00	21.35	0.147	0.024	1.16	0.171	/
		9	Left Edge	QPSK	Sensor off	1	0	42590/3500	22.50	22.36	0.038	-0.060	1.03	0.039	/
		9		QPSK	Sensor off	50%	0	43490/3590	22.00	21.35	0.031	-0.051	1.16	0.036	/
		24	Top Edge	QPSK	Sensor off	1	0	42590/3500	22.50	22.36	0.643	0.080	1.03	0.664	/
		24		QPSK	Sensor off	50%	0	43490/3590	22.00	21.35	0.381	0.028	1.16	0.443	/
LTE Band 43	Main	22	Back Side	QPSK	Sensor off	1	0	43690/3610	22.50	22.45	0.172	0.012	1.01	0.174	/
		22		QPSK	Sensor off	50%	0	43690/3610	22.00	21.46	0.143	0.010	1.13	0.162	/
		9	Left Edge	QPSK	Sensor off	1	0	43690/3610	22.50	22.45	0.054	0.030	1.01	0.055	/
		9		QPSK	Sensor off	50%	0	43690/3610	22.00	21.46	0.049	-0.029	1.13	0.055	/
		24	Top Edge	QPSK	Sensor off	1	0	43690/3610	22.50	22.45	0.475	0.120	1.01	0.481	/
		24		QPSK	Sensor off	50%	0	43690/3610	22.00	21.46	0.399	0.060	1.13	0.452	/
LTE Band 48	Main	22	Back Side	QPSK	Sensor off	1	0	56340/3660	22.50	21.47	0.106	0.010	1.27	0.134	/
		22		QPSK	Sensor off	50%	25	56340/3660	21.50	20.53	0.086	0.014	1.25	0.108	/
		9	Left Edge	QPSK	Sensor off	1	0	56340/3660	22.50	21.47	0.041	0.068	1.27	0.052	/
		9		QPSK	Sensor off	50%	25	56340/3660	21.50	20.53	0.038	-0.060	1.25	0.048	/
		24	Top Edge	QPSK	Sensor off	1	0	56340/3660	22.50	21.47	0.191	0.031	1.27	0.242	/
		24		QPSK	Sensor off	50%	25	56340/3660	21.50	20.53	0.170	-0.028	1.25	0.213	/
LTE Band 66	Main	22	Back Side	QPSK	Sensor off	1	0	132572/1770	24.00	23.86	0.208	-0.030	1.03	0.215	/
		22		QPSK	Sensor off	50%	0	132322/1745	23.00	22.57	0.174	0.020	1.10	0.192	/
		9	Left Edge	QPSK	Sensor off	1	0	132572/1770	24.00	23.86	0.309	0.092	1.03	0.319	/
		9		QPSK	Sensor off	50%	0	132322/1745	23.00	22.57	0.272	-0.039	1.10	0.300	/
		24	Top Edge	QPSK	Sensor off	1	0	132572/1770	24.00	23.86	0.238	0.020	1.03	0.246	/
		24		QPSK	Sensor off	50%	0	132322/1745	23.00	22.57	0.222	0.036	1.10	0.245	/
LTE Band 70	Main	22	Back Side	QPSK	Sensor off	1	74	133047/1702.5	24.00	22.90	0.236	0.080	1.29	0.304	/
		22		QPSK	Sensor off	50%	39	133047/1702.5	23.00	21.97	0.197	0.100	1.27	0.250	/
		9	Left Edge	QPSK	Sensor off	1	74	133047/1702.5	24.00	22.90	0.194	0.027	1.29	0.250	/
		9		QPSK	Sensor off	50%	39	133047/1702.5	23.00	21.97	0.178	0.039	1.27	0.226	/

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LTE Band 71	Main	24	Top Edge	QPSK	Sensor off	1	74	133047/1702.5	24.00	22.90	0.243	0.040	1.29	0.313	/
		24		QPSK	Sensor off	50%	39	133047/1702.5	23.00	21.97	0.208	0.025	1.27	0.264	/
		22	Back Side	QPSK	Sensor off	1	0	133222/673	24.00	23.44	0.103	0.170	1.14	0.117	/
		22		QPSK	Sensor off	50%	25	133222/673	23.00	22.40	0.086	0.014	1.15	0.099	/
		9	Left Edge	QPSK	Sensor off	1	0	133222/673	24.00	23.44	0.050	0.082	1.14	0.057	/
		9		QPSK	Sensor off	50%	25	133222/673	23.00	22.40	0.046	-0.070	1.15	0.053	/
		24	Top Edge	QPSK	Sensor off	1	0	133222/673	24.00	23.44	0.073	0.012	1.14	0.083	/
		24		QPSK	Sensor off	50%	25	133222/673	23.00	22.40	0.058	0.090	1.15	0.067	/

Band	Antenna	Test Position	Dist. (mm)	Type	Mode	Power Reduction	RB	offset	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/kg)	Plot No.
NR n7	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	104	502000/2510	24.00	23.17	0.444	0.190	1.21	0.538	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	25	502000/2510	24.00	23.24	0.454	-0.016	1.19	0.541	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	104	502000/2510	24.00	23.17	0.071	0.063	1.21	0.086	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	25	502000/2510	24.00	23.24	0.086	0.024	1.19	0.102	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	104	502000/2510	24.00	23.17	0.772	0.017	1.21	0.935	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	25	502000/2510	24.00	23.24	0.801	0.010	1.19	0.954	/
NR n12	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	141300/706.5	24.00	22.74	0.081	0.048	1.34	0.108	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	18	141300/706.5	24.00	22.89	0.068	0.026	1.29	0.088	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	141300/706.5	24.00	22.74	0.045	0.070	1.34	0.060	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	18	141300/706.5	24.00	22.89	0.064	-0.050	1.29	0.083	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	141300/706.5	24.00	22.74	0.058	0.052	1.34	0.078	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	18	141300/706.5	24.00	22.89	0.044	0.035	1.29	0.057	/
NR n14	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	158600/793	24.00	22.52	0.155	0.018	1.41	0.218	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	12	158600/793	24.00	22.38	0.158	0.052	1.45	0.229	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	158600/793	24.00	22.52	0.001	0.012	1.41	0.001	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	12	158600/793	24.00	22.38	0.001	-0.011	1.45	0.001	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	158600/793	24.00	22.52	0.108	0.090	1.41	0.152	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	12	158600/793	24.00	22.38	0.117	0.032	1.45	0.170	/
NR n25	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	104	372000/1860	24.00	22.70	0.232	0.021	1.35	0.313	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	25	372000/1860	24.00	22.82	0.237	0.070	1.31	0.311	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	104	372000/1860	24.00	22.70	0.262	0.038	1.35	0.353	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	25	372000/1860	24.00	22.82	0.286	0.067	1.31	0.375	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	104	372000/1860	24.00	22.70	0.307	0.020	1.35	0.414	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	25	372000/1860	24.00	22.82	0.316	-0.010	1.31	0.415	/
NR n26	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	167800/839	24.00	22.76	0.267	0.140	1.33	0.355	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	25	167800/839	24.00	23.02	0.274	0.012	1.25	0.343	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	167800/839	24.00	22.76	0.001	0.071	1.33	0.001	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	25	167800/839	24.00	23.02	0.001	0.120	1.25	0.001	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	167800/839	24.00	22.76	0.158	0.025	1.33	0.210	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	25	167800/839	24.00	23.02	0.158	-0.052	1.25	0.198	/
NR n30	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	462000/2310	23.00	21.88	0.170	0.060	1.29	0.220	/

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			22		DFT-s-OFDM QPSK	Sensor off	50%	12	462000/2310	23.00	21.79	0.177	0.050	1.32	0.234	/
			9		DFT-s-OFDM QPSK	Sensor off	1	1	462000/2310	23.00	21.88	0.161	0.011	1.29	0.208	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	12	462000/2310	23.00	21.79	0.178	0.020	1.32	0.235	/
			24		DFT-s-OFDM QPSK	Sensor off	1	1	462000/2310	23.00	21.88	0.429	0.027	1.29	0.555	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	12	462000/2310	23.00	21.79	0.409	-0.070	1.32	0.540	/
NR n40	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	22	462000/2310	24.00	23.36	0.056	0.058	1.16	0.065	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	6	462000/2310	24.00	23.35	0.055	0.016	1.16	0.064	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	22	462000/2310	24.00	23.36	0.001	0.012	1.16	0.001	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	6	462000/2310	24.00	23.35	0.001	0.070	1.16	0.001	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	22	462000/2310	24.00	23.36	0.143	0.037	1.16	0.166	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	6	462000/2310	24.00	23.35	0.133	-0.017	1.16	0.154	/
NR n41	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	535998/2679.99	24.00	23.19	0.059	0.060	1.21	0.071	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	12	535998/2679.99	24.00	23.31	0.055	0.025	1.17	0.064	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	535998/2679.99	24.00	23.19	0.001	0.033	1.21	0.001	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	12	535998/2679.99	24.00	23.31	0.001	-0.090	1.17	0.001	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	535998/2679.99	24.00	23.19	0.294	0.042	1.21	0.354	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	12	535998/2679.99	24.00	23.31	0.300	-0.031	1.17	0.352	/
NR n48	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	49	637334/3560.01	22.50	21.55	0.046	0.015	1.24	0.057	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	12	637334/3560.01	22.50	21.60	0.040	0.024	1.23	0.049	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	49	637334/3560.01	22.50	21.55	0.001	0.018	1.24	0.001	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	12	637334/3560.01	22.50	21.60	0.001	0.024	1.23	0.001	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	49	637334/3560.01	22.50	21.55	0.267	0.039	1.24	0.332	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	12	637334/3560.01	22.50	21.60	0.248	-0.070	1.23	0.305	/
NR n66	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	344000/1720	24.00	22.64	0.205	0.072	1.37	0.280	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	25	354000/1770	24.00	22.32	0.211	0.035	1.47	0.311	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	344000/1720	24.00	22.64	0.096	0.011	1.37	0.131	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	25	354000/1770	24.00	22.32	0.132	0.047	1.47	0.194	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	344000/1720	24.00	22.64	0.227	0.019	1.37	0.310	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	25	354000/1770	24.00	22.32	0.265	0.032	1.47	0.390	/
NR n70	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	340500/1702.5	24.00	23.13	0.238	0.140	1.22	0.291	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	18	340500/1702.5	24.00	23.16	0.242	-0.080	1.21	0.294	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	340500/1702.5	24.00	23.13	0.072	0.015	1.22	0.088	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	18	340500/1702.5	24.00	23.16	0.081	0.080	1.21	0.098	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	340500/1702.5	24.00	23.13	0.231	0.023	1.22	0.282	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	18	340500/1702.5	24.00	23.16	0.211	0.044	1.21	0.256	/
NR n71	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	104	137600/688	24.00	22.75	0.079	0.010	1.33	0.105	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	25	137600/688	24.00	22.91	0.083	0.130	1.29	0.107	/
		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	104	137600/688	24.00	22.75	0.047	0.030	1.33	0.063	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	25	137600/688	24.00	22.91	0.047	0.026	1.29	0.060	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	104	137600/688	24.00	22.75	0.063	0.050	1.33	0.084	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	25	137600/688	24.00	22.91	0.066	0.011	1.29	0.085	/
NR n77	Main	Back Side	22	SA	DFT-s-OFDM QPSK	Sensor off	1	1	635998/3540	24.00	22.75	0.001	0.036	1.33	0.001	/
			22		DFT-s-OFDM QPSK	Sensor off	50%	12	635998/3540	24.00	22.71	0.001	0.019	1.35	0.001	/

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		Left Edge	9		DFT-s-OFDM QPSK	Sensor off	1	1	635998/3540	24.00	22.75	0.001	-0.080	1.33	0.001	/
			9		DFT-s-OFDM QPSK	Sensor off	50%	12	635998/3540	24.00	22.71	0.001	0.021	1.35	0.001	/
		Top Edge	24		DFT-s-OFDM QPSK	Sensor off	1	1	635998/3540	24.00	22.75	0.215	0.041	1.33	0.287	/
			24		DFT-s-OFDM QPSK	Sensor off	50%	12	635998/3540	24.00	22.71	0.217	0.019	1.35	0.292	/

Band	Antenna	Test Position	Dist. (mm)	Mode	Power Reduction	Duty Cycle	Ch./Freq. (MHz)	Tune-up (dBm)	Measured power (dBm)	Measured SAR1g (W/Kg)	Power Drift (dB)	Scaling Factor	Report SAR1g (W/Kg)	Plot No.
Wi-Fi 2.4G	ANT1	Back Side	22	11b	Sensor off	100.0%	11/2462	21.00	20.94	0.181	0.040	1.01	0.183	/
		Right Edge	7	11b	Sensor off	100.0%	11/2462	21.00	20.94	0.742	0.017	1.01	0.752	/
		Top Edge	6.5	11b	Sensor off	100.0%	11/2462	21.00	20.94	0.437	0.034	1.01	0.443	/
	ANT2	Back Side	22	11b	Sensor off	100.0%	11/2462	20.00	18.94	0.116	0.026	1.28	0.148	/
		Right Edge	7	11b	Sensor off	100.0%	11/2462	20.00	18.94	0.956	-0.090	1.28	1.220	/
		Right Edge	7	11b	Sensor off	100.0%	1/2412	20.00	18.16	0.870	0.040	1.53	1.330	/
		Right Edge	7	11b	Sensor off	100.0%	6/2437	20.00	18.90	1.110	0.036	1.29	1.430	56
Wi-Fi5G U-NII-2A	ANT1	Back Side	22	11a	Sensor off	100.0%	52/5260	17.50	17.24	0.252	0.011	1.06	0.267	/
		Right Edge	7	11a	Sensor off	100.0%	52/5260	17.50	17.24	1.230	0.020	1.06	1.305	57
		Right Edge	7	11a	Sensor off	100.0%	60/5300	17.50	16.93	1.080	0.100	1.14	1.230	/
		Right Edge	7	11a	Sensor off	100.0%	64/5320	17.50	17.11	1.120	0.090	1.09	1.226	/
		Top Edge	6.5	11a	Sensor off	100.0%	52/5260	17.50	17.24	0.394	0.025	1.06	0.418	/
	ANT2	Back Side	22	11ac-VHT80	Sensor off	100.0%	58/5290	17.00	16.21	0.219	0.038	1.20	0.263	/
		Right Edge	7	11ac-VHT80	Sensor off	100.0%	58/5290	17.00	16.21	0.362	-0.125	1.20	0.435	/
Wi-Fi5G U-NII-2C	ANT1	Back Side	22	11a	Sensor off	100.0%	116/5580	18.50	18.03	0.233	0.010	1.12	0.260	/
		Right Edge	7	11a	Sensor off	100.0%	116/5580	18.50	18.03	1.160	-0.050	1.12	1.294	/
		Right Edge	7	11a	Sensor off	100.0%	100/5500	18.50	17.91	1.020	0.060	1.15	1.169	/
		Right Edge	7	11a	Sensor off	100.0%	140/5700	18.50	17.77	1.030	0.022	1.18	1.218	/
		Top Edge	6.5	11a	Sensor off	100.0%	116/5580	18.50	18.03	0.446	-0.018	1.12	0.497	/
	ANT2	Back Side	22	11a	Sensor off	100.0%	144/5720	17.00	16.45	0.306	0.060	1.14	0.347	/
		Right Edge	7	11a	Sensor off	100.0%	144/5720	17.00	16.45	0.543	-0.022	1.14	0.616	/
Wi-Fi5G U-NII-3	ANT1	Back Side	22	11a	Sensor off	100.0%	149/5745	17.50	17.02	0.195	0.037	1.12	0.218	/
		Right Edge	7	11a	Sensor off	100.0%	149/5745	17.50	17.02	0.910	0.025	1.12	1.016	/
		Right Edge	7	11a	Sensor off	100.0%	157/5785	17.50	16.88	0.987	-0.143	1.15	1.138	/
		Right Edge	7	11a	Sensor off	100.0%	165/5825	17.50	16.92	0.941	-0.020	1.14	1.075	/
		Top Edge	6.5	11a	Sensor off	100.0%	149/5745	17.50	17.02	0.481	0.037	1.12	0.537	/
	ANT2	Back Side	22	11a	Sensor off	100.0%	149/5745	17.50	17.36	0.256	0.010	1.03	0.264	/
		Right Edge	7	11a	Sensor off	100.0%	149/5745	17.50	17.36	0.363	-0.141	1.03	0.375	/

10.3 Simultaneous Transmission Analysis

Simultaneous Transmission Configurations	Body
Main ANT + Wi-Fi 2.4G SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 2.4G SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 2.4G SISO ANT1 + NFC	Yes
Main ANT + Wi-Fi 2.4G SISO ANT2 + NFC	Yes
Main ANT + Wi-Fi 2.4G MIMO (ANT1 + ANT2) + NFC	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 5G MIMO (ANT1 + ANT2) + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 5G MIMO (ANT1 + ANT2) + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + NFC	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + NFC	Yes
Main ANT + Wi-Fi 5G MIMO (ANT1 + ANT2) + NFC	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + Wi-Fi 2.4G SISO ANT1	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + Wi-Fi 2.4G SISO ANT2	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + Wi-Fi 2.4G SISO ANT2	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + Wi-Fi 2.4G SISO ANT1	Yes
Main ANT + Wi-Fi 5G MIMO (ANT1 + ANT2) + Wi-Fi 2.4G MIMO (ANT1 + ANT2)	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + Wi-Fi 2.4G SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + Wi-Fi 2.4G SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 5G SISO ANT2 + Wi-Fi 2.4G SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 5G SISO ANT1 + Wi-Fi 2.4G SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 6E SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 6E MIMO (ANT1 + ANT2) + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT2 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 6E MIMO (ANT1 + ANT2) + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + Wi-Fi 2.4G SISO ANT1	Yes
Main ANT + Wi-Fi 6E SISO ANT2 + Wi-Fi 2.4G SISO ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + Wi-Fi 2.4G SISO ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT2 + Wi-Fi 2.4G SISO ANT1	Yes
Main ANT + Wi-Fi 6E MIMO (ANT1 + ANT2) + Wi-Fi 2.4G MIMO (ANT1 + ANT2)	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + Wi-Fi 2.4G SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 6E SISO ANT2 + Wi-Fi 2.4G SISO ANT2 + Bluetooth ANT1	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + Wi-Fi 2.4G SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT2 + Wi-Fi 2.4G SISO ANT1 + Bluetooth ANT2	Yes
Main ANT + Wi-Fi 6E SISO ANT1 + NFC	Yes

Main ANT + Wi-Fi 6E SISO ANT2 + NFC	Yes
Main ANT + Wi-Fi 6E MIMO (ANT1 + ANT2) + NFC	Yes

General Note:

1. The Scaled SAR summation is calculated based on the same configuration and test position.
2. Per KDB 447498 D01, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation $< 1.6\text{W/kg}$, simultaneously transmission SAR measurement is not necessary.
 - ii) $\text{SPLSR} = (\text{SAR1} + \text{SAR2})^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

The Maximum SAR_{1g} Value for Main-Antenna

SAR _{1g} (W/kg)		LTE Band 7	LTE Band 12 (LTE Band 17)	LTE Band 13	LTE Band 14	LTE Band 25 (LTE Band 2)	LTE Band 26 (LTE Band 5)	LTE Band 30	LTE Band 40	LTE Band 41 (LTE Band 38)	LTE Band 42	LTE Band 43	LTE Band 48	LTE Band 66 (LTE Band 4)	LTE Band 70	LTE Band 71	MAX. SAR _{1g}
Test Position																	
Body	Back Side	1.049	0.690	1.133	1.131	0.955	1.075	1.131	0.853	0.447	0.358	0.252	0.302	1.009	1.160	0.689	1.160
	Front Side	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Left Edge	0.048	0.090	0.116	0.229	0.248	0.237	0.127	0.075	0.018	0.022	0.036	0.070	0.274	0.209	0.059	0.274
	Right Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Top Edge	1.050	1.046	0.433	0.560	0.774	0.390	0.660	0.934	0.763	1.173	0.910	1.020	0.595	0.617	1.165	1.173
	Bottom Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SAR _{1g} (W/kg)		NR n7	NR n12 (NR n17)	NR n14	NR n25 (NR n2)	NR n26 (NR n5)	NR n30	NR n40	NR n41 (NR n38)	NR n48	NR n66 (NR n4)	NR n70	NR n71	NR n77 (NR n78)	MAX. SAR _{1g}
Test Position															
Body	Back Side	0.830	0.660	0.726	1.107	0.939	1.092	0.989	0.510	0.257	1.123	1.127	0.685	0.275	1.127
	Front Side	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Left Edge	0.029	0.026	0.097	0.340	0.045	0.161	0.121	0.051	0.037	0.679	0.196	0.046	0.041	0.679
	Right Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Top Edge	1.161	1.038	0.403	0.935	0.567	0.618	0.691	0.753	0.797	0.667	0.651	1.110	0.791	1.161
	Bottom Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Maximum SAR_{1g} Value (Wi-Fi 5G Antenna)

SAR _{1g} (W/kg)		ANT1				ANT2				MIMO			
Test Position		U-NII-2A (U-NII-1)	U-NII-2C	U-NII-3	MAX. SAR _{1g}	U-NII-2A (U-NII-1)	U-NII-2C	U-NII-3	MAX. SAR _{1g}	U-NII-2A (U-NII-1)	U-NII-2C	U-NII-3	MAX. SAR _{1g}
Body	Back Side	0.320	0.347	0.261	0.347	0.274	0.314	0.258	0.314	0.440	0.444	0.520	0.520
	Front Side	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Left Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Right Edge	0.528	0.646	0.570	0.646	0.575	0.717	0.374	0.717	0.645	0.707	0.645	0.707
	Top Edge	0.099	0.106	0.095	0.106	0.000	0.000	0.000	0.000	0.099	0.106	0.095	0.106
	Bottom Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

About WWAN Antenna, Bluetooth Antenna, Wi-Fi 2.4G Antenna, Wi-Fi 5G Antenna, Wi-Fi 6G Antenna and NFC Antenna

SAR _{1g} (W/kg)	WWAN	Wi-Fi 2.4G			Wi-Fi 5G			Wi-Fi 6GHz			Bluetooth		NFC	MAX. ΣSAR _{1g}		
	Antenna	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2		1+Max.(2-4)+ Max.(5-7)+ Max.(11,12)	1+Max.(2-4)+ Max.(8-10)+ Max.(11,12)	1+Max.(2-12)+13
Test Position	1	2	3	4	5	6	7	8	9	10	11	12	13			
Back Side	1.160	0.612	0.387	0.503	0.347	0.314	0.520	0.370	0.550	0.500	0.171	0.130	N/A	2.462	2.492	1.771
Front Side	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000	0.000	0.000
Left Edge	0.679	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.679	0.679	0.679
Right Edge	N/A	0.664	0.395	0.579	0.646	0.717	0.707	0.704	0.898	0.914	0.148	0.159	N/A	1.540	1.737	0.914
Top Edge	1.173	0.196	N/A	0.196	0.106	N/A	0.106	0.040	N/A	0.067	0.115	0.000	N/A	1.591	1.552	1.370
Bottom Edge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000	0.000	0.000

Note:

- 1.The value with blue color is the maximum ΣSAR_{1g} Value.
- 2.The Wi-Fi (6GHz) SAR test data is sourced from the (Report No.: TCWA25080066102).
- 3.MAX. ΣSAR_{1g} =Unlicensed SARMAX +Licensed SARMAX
4. The maximum simultaneous transmission SAR values at the back side and right edge (as shown in this table, 2.492 W/kg and 1.737 W/kg respectively) exceed 1.6 W/kg. Therefore, the SPLSR calculation method was adopted to assess compliance. For details, please refer to the following "SAR to Peak Location Separation Ratio Evaluation" procedure. According to the evaluation and calculation results, all SPLSR values meet the requirement of ≤ 0.04 .
5. The maximum ΣSAR_{1g} for the top edge is 1.591 W/kg, which is below the 1.6 W/kg limit. The max TER (Total Exposure Ratio) is calculated as $1.591 / 1.60 = 0.994 < 1.0$.
6. Based on the above, simultaneous transmission SAR testing with volume scan is not required for the Bluetooth, Wi-Fi, and WWAN antennas.

SAR to Peak Location Separation Ratio Evaluation Procedure:

For Back Side:

MAX. ΣSAR_{1g} = 2.492W/kg>1.6W/kg, so the SAR to peak location separation ratio should be considered

SAR_{1g} (W/kg) Test Position	LTE Band 7	LTE Band 12 (LTE Band 17)	LTE Band 13	LTE Band 14	LTE Band 25 (LTE Band 2)	LTE Band 26 (LTE Band 5)	LTE Band 30	LTE Band 40	LTE Band 41 (LTE Band 38)	LTE Band 42	LTE Band 43	LTE Band 48	LTE Band 66 (LTE Band 4)	LTE Band 70	LTE Band 71	MAX. SAR _{1g}
Back Side	1.049	0.690	1.133	1.131	0.955	1.075	1.131	0.853	0.447	0.358	0.252	0.302	1.009	1.160	0.689	1.160

SAR _{1g} (W/kg) Test Position	NR n7	NR n12 (NR n17)	NR n14	NR n25 (NR n2)	NR n26 (NR n5)	NR n30	NR n40	NR n41 (NR n38)	NR n48	NR n66 (NR n4)	NR n70	NR n71	NR n77 (NR n78)	MAX. SAR _{1g}
Back Side	0.830	0.660	0.726	1.107	0.939	1.092	0.989	0.510	0.257	1.123	1.127	0.685	0.275	1.127

SAR _{1g} (W/k)	LTE Band 70	Wi-Fi 2.4G	Wi-Fi 6G	Bluetooth	MAX. ΣSAR _{1g}
Back Side	1.160	0.612	0.550	0.171	2.492

(SAR_{Max} = 2.492 W/Kg)

The position SAR_{Max.Wi-Fi 2.4G Antenna 1} is (x₁ = 67.5, y₁ = 62, z₁ = -178.8),

The position SAR_{Max.Wi-Fi 2.4G Antenna 2} is (x₂ = -33.5, y₂ = 54, z₂ = -179.7)

so the distance is 101.28mm.

SPLSR = [(Reported SAR_{Max.LTE Band 70+ Wi-Fi 6G +Bluetooth}) 1.880 W/kg + (Reported SAR_{Max.Wi-Fi 2.4G}) 0.612 W/kg]^{3/2} /distance = 0.039 ≤ 0.04.

This Back Side MAX SPLSR (is 0.039) represents the result under the worst-case scenario.

So the Simultaneous transmission SAR with volume scan for back side is not required.

For Right Edge:

MAX. ΣSAR_{1g} = 1.737 W/kg > 1.6 W/kg, so the SAR to peak location separation ratio should be considered

SAR _{1g} (W/k) Test Position	LTE Band	Wi-Fi 2.4G	Wi-Fi 6G	Bluetooth	MAX. ΣSAR _{1g}
	Right Edge	N/A	0.664	0.914	0.159

(SAR_{Max} = 1.737 W/Kg)

The position SAR_{Max.Wi-Fi 2.4G Antenna 1} is (x₁ = -10.5, y₁ = -48, z₁ = -180.5),

The position SAR_{Max.Wi-Fi 2.4G Antenna 2} is (x₂ = -86, y₂ = -55, z₂ = -180.7)

so the distance is 75.78mm.

SPLSR = [(Reported SAR_{Max.LTE Band+ Wi-Fi 6G +Bluetooth}) 1.073 W/kg + (Reported SAR_{Max.Wi-Fi 2.4G}) 0.664 W/kg]^{3/2} /distance = 0.030 ≤ 0.04.

This Right Edge MAX SPLSR (is 0.030) represents the result under the worst-case scenario.

So the Simultaneous transmission SAR with volume scan for Right Edge is not required.

11 Measurement Uncertainty

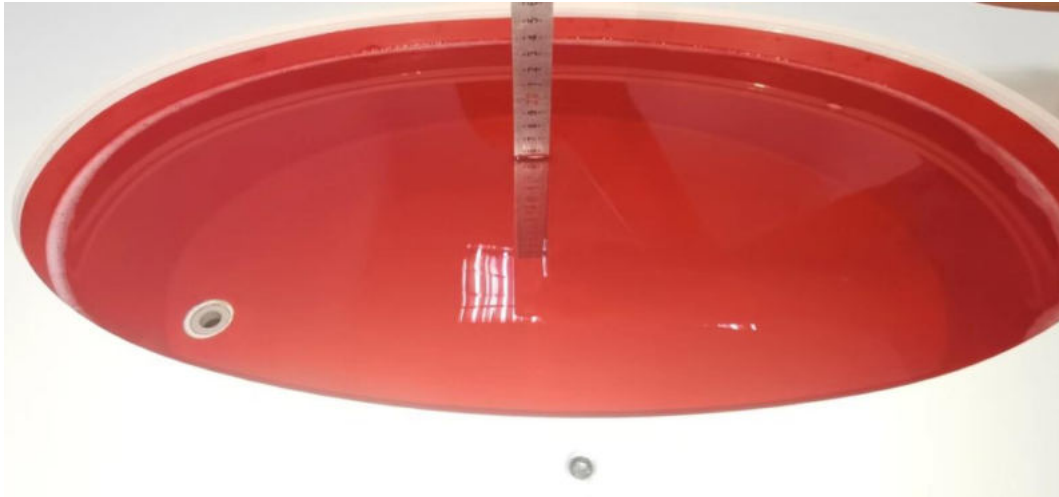
Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528- 2013 is not required in SAR reports submitted for equipment approval.

ANNEX A: Test Layout



Tissue Simulating Liquids

For the measurement of the field distribution inside the flat phantom with DASY, the phantom must be filled with around 25 liters of homogeneous tissue simulating liquid. For SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is ≥ 15 cm, which is shown as below.



Picture 3: Liquid depth in the flat Phantom