

FCC SAR TEST REPORT

FCC ID : HD5-CK67X1N
Equipment : Mobile Computer
Brand Name : Honeywell
Model Name : CK67X1N
Applicant : Honeywell International Inc
9680 Old Bailes Rd. Fort Mill, SC 29707 United States
Manufacturer : Honeywell International Inc
9680 Old Bailes Rd. Fort Mill, SC 29707 United States
Standard : FCC 47 CFR Part 2 (2.1093)

The product was received on Sep. 20, 2024 and testing was started from Sep. 28, 2024 and completed on Nov. 14, 2024. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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[illegible]



1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) for Honeywell International Inc, Mobile Computer, CK67X1N, are as follows.

Equipment Class	Frequency Band	Highest SAR Summary			Highest Simultaneous Transmission 1g SAR (W/kg)	Highest Simultaneous Transmission 10g SAR (W/kg)
		Hotspot (Separation 10mm)	Body-worn (Separation 15mm)	Product Specific (Separation 0mm)		
		1g SAR (W/kg)		10g SAR (W/kg)		
Licensed	LTE Band 7	0.85	0.10	0.89	1.15	2.67
	LTE Band 12/17	0.29	0.14	0.46		
	LTE Band 13	0.52	0.19	0.81		
	LTE Band 14	0.54	0.19	0.72		
	LTE Band 2/25	0.58	0.12	0.90		
	LTE Band 5/26	0.53	0.22	0.81		
	LTE Band 30	0.62	0.14	0.89		
	LTE Band 4/66	0.69	0.13	0.82		
	LTE Band 71	0.26	0.10	0.42		
	LTE Band 38/41	0.76	0.09	0.90		
	LTE Band 42	0.53	0.51	0.78		
	LTE Band 43	0.56	0.70	0.91		
	LTE Band 48	0.53	0.65	0.91		
	FR1 n7	0.62	0.11	0.80		
	FR1 n12	0.21	0.13	0.48		
	FR1 n13	0.43	0.22	0.79		
	FR1 n14	0.45	0.20	0.77		
	FR1 n2/n25	0.58	0.12	0.86		
	FR1 n5/n26	0.43	0.20	0.72		
	FR1 n30	0.45	0.20	0.87		
	FR1 n66	0.65	0.18	0.89		
	FR1 n71	0.21	0.08	0.46		
	FR1 n38/n41	0.76	0.25	0.25		
	FR1 n48	0.70	0.68	1.19		
	FR1 n77/n78	0.67	0.64	0.97		
DTS	2.4GHz WLAN	0.19	0.09	0.32	1.12	2.67
NII	5GHz WLAN	0.58	0.26	1.60	1.15	2.67
6CD	6GHz WLAN		0.05	0.28	1.15	2.67
DSS	Bluetooth		< 0.01	< 0.01	1.03	2.66
DXX	NFC			0.05		2.67
Equipment Class	Frequency Band	Reported APD (mW/cm ²)		Reported PD (mW/cm ²)		
		Body Worn	Extremity			
6CD	6GHz WLAN	0.05	0.65	0.57		
Date of Testing:		2024/09/28 ~ 2024/11/14				

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR, 4.0 W/kg for Product Specific 10g SAR) specified in FCC 47 CFR part 2 (2.1093), Human Exposure to RF Radiation Limits (1.0 mW/cm²=10 W/m²) specified in FCC 47 CFR part 1.1310 and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

Reviewed by: Jason Wang
Report Producer: Carlie Tsai



2. Equipment Under Test (EUT) Information

2.1 General Information

Product Feature & Specification	
Equipment Name	Mobile Computer
Brand Name	Honeywell
Model Name	CK67X1N
FCC ID	HD5-CK67X1N
Wireless Technology and Frequency Range	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3550 MHz LTE Band 43: 3600 MHz ~ 3700 MHz, 3700 MHz ~ 3800MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n13 : 777 MHz ~ 787 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz 5G NR n78: 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz WLAN 6GHz Band: 5925 MHz ~ 6425 MHz, 6425 MHz ~ 6525 MHz, 6525 MHz ~ 6875 MHz, 6875 MHz ~ 7125 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC: 13.56 MHz
Mode	LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC: ASK
EUT Stage	Engineering Sample
Remark: 1. The RF exposure selects Scanner (S0803FR) + Keypad (AlphaNumeric) as the main test, the other scanner / keypad / holster spot check worst case. 2. The device support DBS operation when 2.4GHz transmit with 5G/6GHz WLAN will limit different output for Sim-Tx compliance. 3. Minimum 15 mm separation distance will be produced when using scan handle for this device, there is no requirement to additionally test and SAR can be covered by Extremity exposure condition.	

Sample List			
Scanner	Keypad	Holster	Scan Handle
S0803FR	AlphaNumeric	Holster 1 (815-087-001)	Scan Handle 1
S0703	Numeric	Holster 2 (815-088-001)	
S0803	Large Numeric		
	53keys AlphaNumeric		
	42keys Numeric		

3. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards, the below KDB standard may not including in the TAF code without accreditation.

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01
- IEC/IEEE 62209-1528:2020
- SPEAG DASY6 System Handbook
- SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)

3.1 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																										
FCC ID	HD5-CK67X1N																																																																									
Equipment Name	Mobile Computer																																																																									
Operating Frequency Range of each LTE transmission band	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3550 MHz LTE Band 43: 3600 MHz ~ 3700 MHz, 3700 MHz ~ 3800MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz																																																																									
Channel Bandwidth	LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 14: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 42: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 43: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz																																																																									
uplink modulations used	QPSK / 16QAM / 64QAM / 256QAM																																																																									
LTE Voice / Data requirements	Data only																																																																									
LTE MPR permanently built-in by design	<table><tr><th colspan="8">Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</th></tr><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table>				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
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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 A-MPR	In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)																																																																									
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																									
Power reduction applied to satisfy SAR compliance	The device has several different power modes for each exposure conditions SAR compliance; power selection is determined by the device's positioning and usage scenarios. Detail refer to operational description.																																																																									
LTE Carrier Aggregation Combinations	The carrier aggregation combinations referred to section 12.																																																																									
LTE Carrier Aggregation Additional Information	This device supports maximum of 4 carriers in the downlink and 2 carriers in the uplink. Additional following LTE Release features are not supported: Relay, HetNet, Enhanced MIMO, eICI, WiFi Offloading, MDH, eMBMA, Cross-Carrier Scheduling, Enhanced SC-FDMA.																																																																									

Transmission (H, M, L) channel numbers and frequencies in each LTE band												
LTE Band 2												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	18607	1850.7	18615	1851.5	18625	1852.5	18650	1855	18675	1857.5	18700	1860
M	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880
H	19193	1909.3	19185	1908.5	19175	1907.5	19150	1905	19125	1902.5	19100	1900
LTE Band 4												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	19957	1710.7	19965	1711.5	19975	1712.5	20000	1715	20025	1717.5	20050	1720
M	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5
H	20393	1754.3	20385	1753.5	20375	1752.5	20350	1750	20325	1747.5	20300	1745
LTE Band 5												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20407	824.7	20415	825.5	20425	826.5	20450	829	20450	829	20450	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5	20525	836.5
H	20643	848.3	20635	847.5	20625	846.5	20600	844	20600	844	20600	844
LTE Band 7												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510	20850	2510	20850	2510
M	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535	21100	2535
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560	21350	2560	21350	2560
LTE Band 12												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	23017	699.7	23025	700.5	23035	701.5	23060	704	23060	704	23060	704
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5	23095	707.5
H	23173	715.3	23165	714.5	23155	713.5	23130	711	23130	711	23130	711
LTE Band 13												
	Bandwidth 5 MHz				Bandwidth 10 MHz							
	Channel #		Freq.(MHz)		Channel #		Freq.(MHz)		Channel #		Freq.(MHz)	
L	23205		779.5		23230		782		23230		782	
M	23230		782									
H	23255		784.5									
LTE Band 14												
	Bandwidth 5 MHz				Bandwidth 10 MHz							
	Channel #		Channel #		Channel #		Freq.(MHz)		Channel #		Freq.(MHz)	
L	23305		790.5		23330		793		23330		793	
M	23330		793									
H	23355		795.5									
LTE Band 17												
	Bandwidth 5 MHz				Bandwidth 10 MHz							
	Channel #		Freq.(MHz)		Channel #		Freq. (MHz)		Channel #		Freq. (MHz)	
L	23755		706.5		23780		709		23780		709	
M	23790		710		23790		710		23790		710	
H	23825		713.5		23800		711		23800		711	

LTE Band 25												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26047	1850.7	26055	1851.5	26065	1852.5	26090	1855	26115	1857.5	26140	1860
M	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880
H	26683	1914.3	26675	1913.5	26665	1912.5	26640	1910	26615	1907.5	26590	1905
LTE Band 26												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz			
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5		
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5		
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5		
LTE Band 30												
	Bandwidth 5 MHz					Bandwidth 10 MHz						
	Channel #			Freq.(MHz)		Channel #				Freq.(MHz)		
L	27685			2307.5		27710				2310		
M	27710			2310								
H	27735			2312.5								
LTE Band 38												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580				
M	38000	2595	38000	2595	38000	2595	38000	2595				
H	38225	2617.5	38200	2615	38175	2612.5	38150	2610				
LTE Band 41												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	39675	2498.5	39700	2501	39725	2503.5	39750	2506				
L M	40148	2545.8	40160	2547	40173	2548.3	40185	2549.5				
M	40620	2593	40620	2593	40620	2593	40620	2593				
H M	41093	2640.3	41080	2639	41068	2637.8	41055	2636.5				
H	41565	2687.5	41540	2685	41515	2682.5	41490	2680				
LTE Band 42												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	42115	3452.5	42140	3455	42165	3457.5	42190	3460				
M	42590	3500	42590	3500	42590	3500	42590	3500				
H	43065	3547.5	43040	3545	43015	3542.5	42990	3540				
LTE Band 43 (3600 MHz ~ 3700 MHz)												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	43615	3602.5	43640	3605	43665	3607.5	43690	3610				
M	44090	3650	44090	3650	44090	3650	44090	3650				
H	44565	3697.5	44540	3695	44515	3692.5	44490	3690				
LTE Band 43 (3700 MHz ~ 3800 MHz)												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	44615	3702.5	44640	3705	44665	3707.5	44690	3710				
M	45090	3750	45090	3750	45090	3750	45090	3750				
H	45565	3797.5	45540	3795	45515	3792.5	45490	3790				

LTE Band 48												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560				
LM	55810	3607	55815	3607.5	55820	3608	55830	3609				
MH	56170	3643	56165	3642.5	56160	3642	56150	3641				
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690				
LTE Band 66												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	131979	1710.7	131987	1711.5	131997	1712.5	132022	1715	132047	1717.5	132072	1720
M	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745
H	132665	1779.3	132657	1778.5	132647	1777.5	132622	1775	132597	1772.5	132572	1770
LTE Band 71												
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz					
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)				
L	133147	665.5	133172	668	133197	670.5	133222	673				
M	133297	680.5	133297	680.5	133297	680.5	133297	680.5				
H	133447	695.5	133422	693	133397	690.5	133372	688				



3.2 General 5G NR SAR Test and Reporting Considerations

5G NR Information								
FCC ID	HD5-CK67X1N							
Equipment Name	Mobile Computer							
Operating Frequency Range of each 5G NR transmission band	5G NR n2 : 1850 MHz ~ 1910 MHz							
	5G NR n5 : 824 MHz ~ 849 MHz							
	5G NR n7 : 2500 MHz ~ 2570 MHz							
	5G NR n12 : 699 MHz ~ 716 MHz							
	5G NR n13 : 777 MHz ~ 787 MHz							
	5G NR n14 : 788 MHz ~ 798 MHz							
	5G NR n25 : 1850 MHz ~ 1915 MHz							
	5G NR n26 : 814 MHz ~ 849 MHz							
	5G NR n30 : 2305 MHz ~ 2315 MHz							
	5G NR n38 : 2570 MHz ~ 2620 MHz							
	5G NR n41 : 2496 MHz ~ 2690 MHz							
	5G NR n48 : 3550 MHz ~ 3700 MHz							
	5G NR n66 : 1710 MHz ~ 1780 MHz							
	5G NR n71 : 663 MHz ~ 698 MHz							
	5G NR n77: 3700 MHz ~ 3980 MHz, 3450 MHz ~ 3550 MHz							
5G NR n78: 3700 MHz ~ 3800 MHz, 3450 MHz ~ 3550 MHz								
Channel Bandwidth	5G NR n2: 5MHz, 10MHz, 15MHz, 20MHz							
	5G NR n5: 5MHz, 10MHz, 15MHz, 20MHz							
	5G NR n7: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 40MHz							
	5G NR n12: 5MHz, 10MHz, 15MHz							
	5G NR n13: 5MHz, 10MHz							
	5G NR n14: 5MHz, 10MHz							
	5G NR n25: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz 30MHz, 35MHz, 40MHz							
	5G NR n26: 5MHz, 10MHz, 15MHz, 20MHz							
	5G NR n30: 5MHz, 10MHz							
	5G NR n38: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz							
	5G NR n41: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz							
	5G NR n48: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz							
	5G NR n66: 5MHz, 10MHz, 15MHz, 20MHz, 25 MHz, 30MHz, 35MHz, 40MHz							
	5G NR n71: 5MHz, 10MHz, 15MHz, 20MHz							
	5G NR n77: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz							
5G NR n78: 10MHz, 15MHz, 20MHz, 30MHz, 40MHz, 50MHz, 60MHz, 70MHz, 80MHz, 90MHz, 100MHz								
SCS	FDD: SCS15KHz, TDD: SCS30KHz							
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM QPSK / 16QAM / 64QAM / 256QAM							
A-MPR (Additional MPR) disabled for SAR Testing?	Yes							
LTE Anchor Bands for n2	LTE B5/7/12/13/14/30/66							
LTE Anchor Bands for n5	LTE B2/30/48/66							
LTE Anchor Bands for n7	LTE B5/12							
LTE Anchor Bands for n12	LTE B2							
LTE Anchor Bands for n25	LTE B12							
LTE Anchor Bands for n30	LTE B14							
LTE Anchor Bands for n38	LTE B12/71							
LTE Anchor Bands for n41	LTE B2/12/25/26/66							
LTE Anchor Bands for n66	LTE B2/5/7/12/13/14/30/48/71							
LTE Anchor Bands for n71	LTE B2/7/66							
LTE Anchor Bands for n77	LTE B2/5/7/12/13/14/25/30/66							
LTE Anchor Bands for n78	LTE B2/4/5/12/25/38/66/71							
NR Band 2								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860
M	376000	1880	376000	1880	376000	1880	376000	1880
H	381500	1907.5	381000	1905	380500	1902.5	380000	1900
NR Band 5								
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	165300	826.5	165800	829	166300	831.5	166800	834
M	167300	836.5	167300	836.5	167300	836.5	167300	836.5
H	169300	846.5	168800	844	168300	841.5	167800	839



NR Band 7																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520								
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535								
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550								
NR Band 12																						
	Bandwidth 5MHz				Bandwidth 10MHz				Bandwidth 15MHz													
	Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)		Ch. #		Freq. (MHz)											
L	140300		701.5		140800		704		141300		706.5											
M	141500		707.5		141500		707.5		141500		707.5											
H	142700		713.5		142200		711		141700		708.5											
NR Band 13																						
	Bandwidth 5MHz						Bandwidth 10MHz															
	Ch. #			Freq. (MHz)			Ch. #			Freq. (MHz)												
L	155900			779.5			156400			782												
M	156400			782																		
H	156900			784.5																		
NR Band 14																						
	Bandwidth 5MHz						Bandwidth 10MHz															
	Ch. #			Freq. (MHz)			Ch. #			Freq. (MHz)												
L	158100			790.5			158600			793												
M	158600			793																		
H	159100			795.5																		
NR Band 25																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz							
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)						
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870						
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5						
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895						
NR Band 26																						
	Bandwidth 5MHz			Bandwidth 10MHz			Bandwidth 15MHz			Bandwidth 20MHz												
	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)										
L	165300		826.5	165800		829	166300		831.5	166800		834										
M	167300		836.5	167300		836.5	167300		836.5	167300		836.5										
H	169300		846.5	168800		844	168300		841.5	167800		839										
NR Band 30																						
	Bandwidth 5MHz						Bandwidth 10MHz															
	Ch. #			Freq. (MHz)			Ch. #			Freq. (MHz)												
L	461500			2307.5			462000			2310												
M	462000			2310																		
H	462500			2312.5																		
NR Band 38																						
	Bandwidth 10MHz			Bandwidth 15MHz			Bandwidth 20MHz			Bandwidth 30MHz			Bandwidth 40MHz									
	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)	Ch. #		Freq. (MHz)							
L	515004		2575.02	515502		2577.51	516000		2580	517002		2585.01	518004		2590.02							
M	519000		2595	519000		2595	519000		2595	519000		2595	519000		2595							
H	522996		2614.98	522498		2612.49	522000		2610	520998		2604.99	519996		2599.98							
NR Band 41																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500202	2501.01	500700	2503.5	501204	2506.02	502200	2511	503202	2516.01	504204	2521.02	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	537000	2685	536496	2682.48	535998	2679.99	534996	2674.98	534000	2670	532998	2664.99	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640



NR Band 48																						
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz													
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)												
L	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570												
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99												
H	646332	3694.98	646166	3692.49	646000	3690	645666	3684.99	645332	3679.98												
NR Band 66																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz									
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)								
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	345000	1725	345500	1727.5	346000	1730								
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745								
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353000	1765	352500	1762.5	352000	1760								
NR Band 71																						
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz															
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)														
L	133100	665.5	133600	668	13410	670.5	134600	673														
M	136100	680.5	136100	680.5	136100	680.5	136100	680.5														
H	139100	695.5	138600	693	13810	690.5	137600	688														
NR Band 77_Part 27O																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930
NR Band 78_Part 27O																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750		
H	653000	3795	652832	3792.48	652666	3789.99	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		
NR Band 77/78 (3450 MHz ~ 3550 MHz)_Part 27Q																						
	Bandwidth10MHz		Bandwidth15MHz		Bandwidth 20MHz		Bandwidth30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	630334	3455.01	630500	3457.5	630668	3460.02	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495	633332	3499.98
M	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98		
H	636332	3544.98	636166	3542.49	636000	3540	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

4. Smart Transmit feature for RF Exposure compliance

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target, below the predefined time-averaged power limit, for each characterized technology and band (refer to RF exposure part0 report)

Smart Transmit allows the device to transmit at higher power instantaneously, as high as Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit EFS settings and maximum tune up output power Pmax configured for this EUT for various transmit conditions (Device State Index DSI).

*Pmax is used for RF tune up procedure. The maximum allowed output power is equal to Pmax + 1dB uncertainty.

**All Plimit power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., GSM & LTE TDD & NR TDD).

The max allowed output power is the Plimit + 1dB device uncertainty, and if Plimit is higher than Pmax, the device output power will be Pmax instead.

<P_{limit} for supported technologies and bands (P_{limit} in EFS file)>

Band	Duty cycle	Antenna	DSI 0 Body/Limbs Plimit (dB)	DSI 1 Hotspot Plimit (dB)	Pmax*	Uncertainty (dB)
LTE Band 7_Ant 1	100.00%	1	19.6	22.0	24.0	1
LTE Band 12/17_Ant 0	100.00%	0	26.9	27.8	24.0	1
LTE Band 13_Ant 0	100.00%	0	24.9	25.7	24.5	1
LTE Band 14_Ant 0	100.00%	0	24.9	25.1	24.0	1
LTE Band 25/2_Ant 1	100.00%	1	22	24.8	24.0	1
LTE Band 26/5_Ant 0	100.00%	0	23.7	24.7	24.0	1
LTE Band 30_Ant 1	100.00%	1	22	24.9	24.0	1
LTE Band 66/4_Ant 1	100.00%	1	21.4	23.1	24.5	1
LTE Band 71_Ant 0	100.00%	0	27.3	28.2	24.0	1
LTE Band 41/38_Ant 1**	62.90%	1	19.9	22.1	22.0	1
LTE Band 41_Ant 1_HPUE**	42.90%	1	20.8	22.7	22.8	1
LTE Band 42_Ant 6 **	62.90%	6	19.5	18.7	22.0	1
LTE Band 42_Ant 6_HPUE**	42.90%	6	20.6	19.1	22.3	1
LTE Band 43_Ant 6**	62.90%	6	20.7	19.5	21.5	1
LTE Band 48_Ant 6**	62.90%	6	20.8	19.2	21.5	1
FR1 n7_Ant 1	100.00%	1	20	22.6	24.0	1
FR1 n12_Ant 0	100.00%	0	26.7	29.1	24.0	1
FR1 n13_Ant 0	100.00%	0	24.5	26.1	24.0	1
FR1 n14_Ant 0	100.00%	0	24.6	25.9	24.0	1
FR1 n25/n2_Ant 1	100.00%	1	21.1	24.8	24.0	1
FR1 n26/n5_Ant 0	100.00%	0	23.9	25.0	24.0	1
FR1 n30_Ant 1	100.00%	1	23.6	25.9	24.0	1
FR1 n66_Ant 1	100.00%	1	21	24.8	24.5	1
FR1 n71_Ant 0	100.00%	0	26.9	29.3	24.0	1
FR1 n41/n38_Ant 1	100.00%	1	20.6	22.2	24.0	1
FR1 n41_Ant 1_HPUE**	50.00%	1	20.6	22.3	24.0	1
FR1 n41_Ant 2+1(2)	100.00%	2	20.1	19.9	19.5	1
FR1 n41_Ant 2+1(2)_HPUE**	50.00%	2	20.4	20.1	19.5	1

Band	Duty cycle	Antenna	DSI 0 Body/Limbs Plimit (dB)	DSI 1 Hotspot Plimit (dB)	Pmax*	Uncertainty (dB)
FR1 n48_Ant 3	100.00%	3	21.5	19.3	22.9	1
FR1 n48_Ant 4	100.00%	4	20.3	18.5	22.9	1
FR1 n48_Ant 5+6(5)	100.00%	5	22.7	19.4	20.0	1
FR1 n48_Ant 6	100.00%	6	21.3	19.8	23.5	1
FR1 n77/78_Ant 3	100.00%	3	19	16.7	23.4	1
FR1 n77/78_Ant 3_HPUE**	50.00%	3	19.4	16.6	22.9	1
FR1 n77/78_Ant 4	100.00%	4	16.4	17.7	23.4	1
FR1 n77/78_Ant 4_HPUE**	50.00%	4	16.4	17.9	22.9	1
FR1 n77/78_Ant 5+6(5)	100.00%	5	19.7	17.4	19.5	1
FR1 n77/78_Ant 5+6(5)_HPUE**	50.00%	5	21	17.8	19.0	1
FR1 n77/78_Ant 6	100.00%	6	20.9	18.6	24.0	1
FR1 n77/78_Ant 6_HPUE**	50.00%	6	21	18.7	23.5	1

5. RF Exposure Limits

5.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

5.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

1. Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

5.3 RF Exposure limit for above 6GHz

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm² per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

6. Specific Absorption Rate (SAR)

6.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

6.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

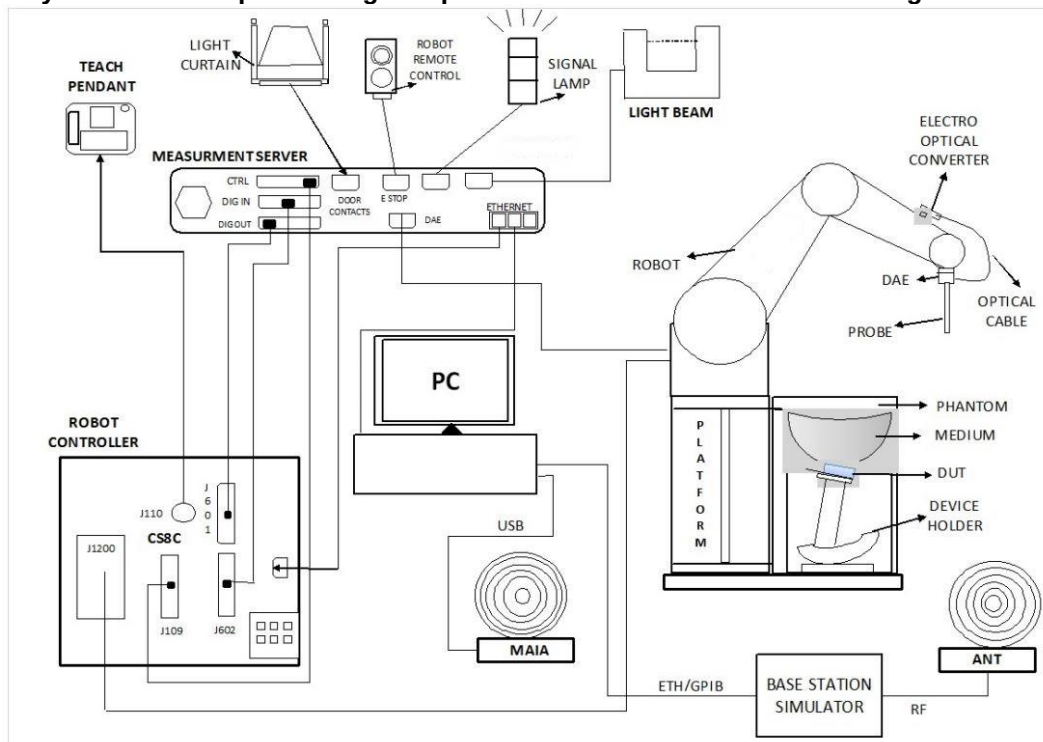
SAR is expressed in units of Watts per kilogram (W/kg)

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

7. System Description and Setup

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



- The DASY system in SAR Configuration is shown above
- 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 windows software 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.

7.1 Test Site Location

The SAR measurement facilities used to collect data are within both Sporton Lab list below test site location are accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190 and 3786) and the FCC designation No. TW1190 and TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Laboratory	EMC & Wireless Communications Laboratory		Wensan Laboratory				
Test Site Location	TW1190 No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan		TW3786 No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan				
Test Site No.	SAR01-HY	SAR03-HY	SAR08-HY	SAR09-HY	SAR15-HY	SAR18-HY	SAR21-HY
	SAR04-HY	SAR05-HY	SAR11-HY	SAR12-HY	SAR16-HY	SAR19-HY	SAR22-HY
	SAR06-HY	SAR10-HY	SAR13-HY	SAR14-HY	SAR17-HY	SAR20-HY	

7.2 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

<ES3DV3 Probe>

Construction	Symmetric design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – 4 GHz; Linearity: ± 0.2 dB (30 MHz – 4 GHz)	
Directivity	± 0.2 dB in TSL (rotation around probe axis) ± 0.3 dB in TSL (rotation normal to probe axis)	
Dynamic Range	5 μ W/g – >100 mW/g; Linearity: ± 0.2 dB	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 3.9 mm (body: 12 mm) Distance from probe tip to dipole centers: 3.0 mm	

<EX3DV4 Probe>

Construction	Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – >6 GHz Linearity: ± 0.2 dB (30 MHz – 6 GHz)	
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)	
Dynamic Range	10 μ W/g – >100 mW/g Linearity: ± 0.2 dB (noise: typically <1 μ W/g)	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

7.3 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

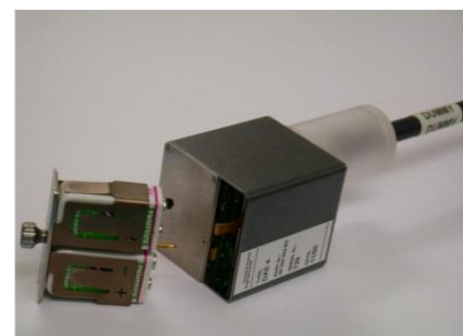


Fig 5.1 Photo of DAE

7.4 Phantom

<SAM Twin Phantom>

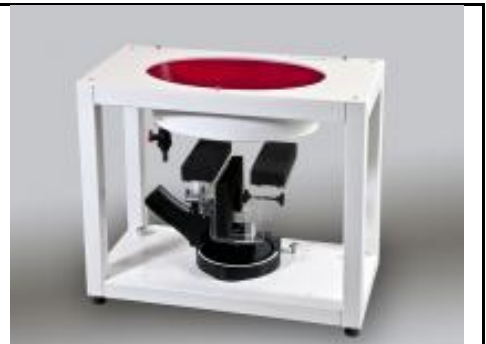
Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm
Filling Volume	Approx. 25 liters
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet
Measurement Areas	Left Hand, Right Hand, Flat Phantom



The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI Phantom>

Shell Thickness	2 ± 0.2 mm (sagging: <1%)
Filling Volume	Approx. 30 liters
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm



The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

7.5 Device Holder

<Mounting Device for Hand-Held Transmitter>

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

<Mounting Device for Laptops and other Body-Worn Transmitters>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

8. Measurement Procedures

The measurement procedures are as follows:

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

8.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

8.2 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.

8.3 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 D01v01r04 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	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
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 $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

8.4 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 D01v01r04 SAR measurement 100 MHz to 6 GHz.

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
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 <i>reported</i> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

8.5 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.

8.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASYS 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.

9. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit ⁽²⁾	D750V3	1107	Jun. 22, 2022	Jun. 19, 2025
SPEAG	835MHz System Validation Kit ⁽²⁾	D835V2	4d167	Nov. 24, 2022	Nov. 22, 2024
SPEAG	1750MHz System Validation Kit ⁽²⁾	D1750V2	1112	Jun. 22, 2022	Jun. 19, 2025
SPEAG	1900MHz System Validation Kit ⁽²⁾	D1900V2	5d185	Jun. 17, 2022	Jun. 14, 2025
SPEAG	2300MHz System Validation Kit ⁽²⁾	D2300V2	1006	Jan. 18, 2022	Jan. 15, 2025
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	929	Nov. 21, 2022	Nov. 19, 2024
SPEAG	2450MHz System Validation Kit ⁽²⁾	D2450V2	806	Mar. 24, 2022	Mar. 21, 2025
SPEAG	2600MHz System Validation Kit ⁽²⁾	D2600V2	1078	Jun. 23, 2022	Jun. 20, 2025
SPEAG	3500MHz System Validation Kit ⁽²⁾	D3500V2	1014	Jan. 17, 2022	Jan. 14, 2025
SPEAG	3500MHz System Validation Kit ⁽²⁾	D3500V2	1036	Mar. 23, 2022	Mar. 20, 2025
SPEAG	3700MHz System Validation Kit ⁽²⁾	D3700V2	1006	Jun. 20, 2022	Jun. 17, 2025
SPEAG	3700MHz System Validation Kit	D3700V2	1022	Jul. 10, 2024	Jul. 09, 2025
SPEAG	3900MHz System Validation Kit ⁽²⁾	D3900V2	1017	Apr. 22, 2022	Apr. 19, 2025
SPEAG	3900MHz System Validation Kit ⁽²⁾	D3900V2	1092	May. 15, 2023	May. 13, 2025
SPEAG	5GHz System Validation Kit ⁽²⁾	D5GHzV2	1128	Sep. 17, 2024	Sep. 16, 2026
SPEAG	6500MHz System Validation Kit	D6.5GHzV2	1003	Mar. 15, 2024	Mar. 14, 2025
SPEAG	13MHz System Validation Kit ⁽²⁾	CLA13	1022	Sep. 01, 2022	Aug. 29, 2025
SPEAG	5G Verification Source	10GHz	1020	Jan. 18, 2024	Jan. 17, 2025
SPEAG	EUmmWV Probe Tip Protection	EUmmWV4	9441	Nov. 17, 2023	Nov. 16, 2024
SPEAG	Data Acquisition Electronics	DAE4	316	Jan. 18, 2024	Jan. 17, 2025
SPEAG	Data Acquisition Electronics	DAE4	376	Sep. 16, 2024	Sep. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	656	Jan. 18, 2024	Jan. 17, 2025
SPEAG	Data Acquisition Electronics	DAE4	661	May. 16, 2024	May. 15, 2025
SPEAG	Data Acquisition Electronics	DAE4	1399	Mar. 13, 2024	Mar. 12, 2025
SPEAG	Data Acquisition Electronics	DAE4	1694	Nov. 17, 2023	Nov. 16, 2024
SPEAG	Data Acquisition Electronics	DAE4	1707	Dec. 06, 2023	Dec. 05, 2024
SPEAG	Data Acquisition Electronics	DAE4	1776	Feb. 13, 2024	Feb. 12, 2025
SPEAG	Data Acquisition Electronics	DAE4ip	1800	Jun. 18, 2024	Jun. 17, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	3925	Apr. 24, 2024	Apr. 23, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7625	Dec. 14, 2023	Dec. 13, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7700	Feb. 01, 2024	Jan. 31, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7785	Nov. 23, 2023	Nov. 22, 2024
SPEAG	Dosimetric E-Field Probe	EX3DV4	7793	Mar. 01, 2024	Feb. 28, 2025
SPEAG	Dosimetric E-Field Probe	EX3DV4	7814	Jun. 20, 2024	Jun. 19, 2025
Testo	Hygro meter	608-H1	45256904	Dec. 07, 2023	Dec. 06, 2024
Testo	Hygro meter	608-H1	45142597	Jan. 03, 2024	Jan. 02, 2025
Anritsu	Radio Communication Analyzer	MT8821C	6201074414	Aug. 20, 2024	Aug. 19, 2025
Keysight	5G Wireless Test Platform	E7515B	MY58300712	Apr. 22, 2024	Apr. 21, 2025
R&S	BT Base Station	CBT	100815	Mar. 03, 2024	Mar. 02, 2025
SPEAG	Device Holder	N/A	N/A	N/A	N/A
Anritsu	Signal Generator	MG3692C	113508	Jan. 23, 2024	Jan. 22, 2025
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 30, 2023	Oct. 29, 2024
Keysight	ENA Network Analyzer	E5071C	MY46104758	Oct. 20, 2024	Oct. 19, 2025
SPEAG	Dielectric Probe Kit	DAK-3.5	1146	Jul. 15, 2024	Jul. 14, 2025
SPEAG	Dielectric Probe Kit	DAK-12	1156	Jul. 15, 2024	Jul. 14, 2025
LINE SEIKI	Digital Thermometer	DTM3000-spezial	3690	Aug. 07, 2024	Aug. 06, 2025
Anritsu	Power Meter	ML2495A	1419002	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Power Sensor	MA2411B	1911176	Aug. 13, 2024	Aug. 12, 2025
Anritsu	Spectrum Analyzer	MS2830A	6201396378	Jul. 09, 2024	Jul. 08, 2025
Mini-Circuits	Power Amplifier	ZHL-42W+	715701915	May. 17, 2024	May. 16, 2025
ATM	Dual Directional Coupler	C122H-10	P610410z-02	Note 1	
Warison	Directional Coupler	WCOU-10-50S-10	WR889BMC4B1	Note 1	
Woken	Attenuator 1	WK0602-XX	N/A	Note 1	
PE	Attenuator 2	PE7005-10	N/A	Note 1	
PE	Attenuator 3	PE7005- 3	N/A	Note 1	

General Note:

- Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check source.
- The dipole calibration interval can be extended to 3 years with justification according to KDB 865664 D01. The dipoles are also not physically damaged, or repaired during the interval. The justification data in appendix C can be found which the return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration for each dipole.

10. System Verification

10.1 Tissue Verification

The tissue dielectric parameters of tissue-equivalent media used for SAR measurements must be characterized within a temperature range of 18°C to 25°C, measured with calibrated instruments and apparatuses, such as network analyzers and temperature probes. The temperature of the tissue-equivalent medium during SAR 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 tissue dielectric measurement system must be calibrated before use. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements.

The liquid tissue depth was at least 15cm in the phantom for all SAR testing

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Conductivity Target (σ)	Permittivity Target (ϵ_r)	Delta (σ) (%)	Delta (ϵ_r) (%)	Limit (%)	Date
750	22.8	0.893	43.000	0.89	41.90	0.34	2.63	± 5	2024/9/28
750	22.8	0.883	42.300	0.89	41.90	-0.79	0.95	± 5	2024/10/8
750	22.5	0.906	42.100	0.89	41.90	1.80	0.48	± 5	2024/10/10
750	22.4	0.885	43.300	0.89	41.90	-0.56	3.34	± 5	2024/10/14
750	22.8	0.901	42.000	0.89	41.90	1.24	0.24	± 5	2024/10/18
750	22.8	0.895	43.100	0.89	41.90	0.56	2.86	± 5	2024/10/18
750	22.3	0.905	42.1	0.89	41.90	1.69	0.48	± 5	2024/10/23
835	22.8	0.928	42.7	0.90	41.50	3.11	2.89	± 5	2024/9/28
835	22.7	0.921	43.000	0.90	41.50	2.33	3.61	± 5	2024/10/7
835	22.5	0.942	41.800	0.90	41.50	4.67	0.72	± 5	2024/10/10
835	22.4	0.919	43.000	0.90	41.50	2.11	3.61	± 5	2024/10/14
835	22.8	0.930	42.800	0.90	41.50	3.33	3.13	± 5	2024/10/18
835	22.4	0.939	41.7	0.90	41.50	4.33	0.48	± 5	2024/10/24
1750	22.1	1.360	40.500	1.37	40.10	-0.73	1.00	± 5	2024/10/11
1750	22.2	1.370	40.500	1.37	40.10	0.00	1.00	± 5	2024/10/12
1750	22.4	1.360	40.100	1.37	40.10	-0.73	0.00	± 5	2024/10/19
1750	22.4	1.37	40.7	1.37	40.10	0.00	1.50	± 5	2024/10/24
1750	22.9	1.36	41	1.37	40.10	-0.73	2.24	± 5	2024/10/29
1900	22.8	1.38	40.2	1.40	40.00	-1.43	0.50	± 5	2024/9/28
1900	22.7	1.440	38.800	1.40	40.00	2.86	-3.00	± 5	2024/10/7
1900	22.2	1.450	38.900	1.40	40.00	3.57	-2.75	± 5	2024/10/12
1900	22.6	1.410	40.600	1.40	40.00	0.71	1.50	± 5	2024/10/16
1900	22.4	1.430	38.600	1.40	40.00	2.14	-3.50	± 5	2024/10/19
1900	22.4	1.42	39.3	1.40	40.00	1.43	-1.75	± 5	2024/10/24
2300	22.9	1.64	40.6	1.67	39.50	-1.80	2.78	± 5	2024/9/29
2300	22.5	1.700	41.000	1.67	39.50	1.80	3.80	± 5	2024/10/5
2300	22.1	1.680	40.900	1.67	39.50	0.60	3.54	± 5	2024/10/11
2300	22.3	1.670	40.800	1.67	39.50	0.00	3.29	± 5	2024/10/13
2300	22.3	1.650	38.700	1.67	39.50	-1.20	-2.03	± 5	2024/10/15
2300	22.2	1.630	40.500	1.67	39.50	-2.40	2.53	± 5	2024/10/22
2600	22.9	1.94	39.5	1.96	39.00	-1.02	1.28	± 5	2024/9/29
2600	22.5	1.960	39.600	1.96	39.00	0.00	1.54	± 5	2024/9/30
2600	22.5	2.010	39.900	1.96	39.00	2.55	2.31	± 5	2024/10/5
2600	22.6	1.990	39.800	1.96	39.00	1.53	2.05	± 5	2024/10/6
2600	22.1	1.980	39.800	1.96	39.00	1.02	2.05	± 5	2024/10/11
2600	22.3	1.970	39.700	1.96	39.00	0.51	1.79	± 5	2024/10/13
2600	22.3	1.880	37.500	1.96	39.00	-4.08	-3.85	± 5	2024/10/15
2600	22.2	1.930	39.400	1.96	39.00	-1.53	1.03	± 5	2024/10/22
2600	22.9	1.96	38	1.96	39.00	0.00	-2.56	± 5	2024/10/29
3500	22.9	2.96	38.1	2.91	37.90	1.72	0.53	± 5	2024/9/29
3500	22.5	2.890	37.200	2.91	37.90	-0.69	-1.85	± 5	2024/9/30
3500	22.2	3.010	37.800	2.91	37.90	3.44	-0.26	± 5	2024/10/2
3500	22.3	2.890	38.000	2.91	37.90	-0.69	0.26	± 5	2024/10/3
3500	22	2.990	37.800	2.91	37.90	2.75	-0.26	± 5	2024/10/9
3500	22.7	2.970	38.300	2.91	37.90	2.06	1.06	± 5	2024/10/17
3500	22.7	2.97	38.3	2.91	37.90	2.06	1.06	± 5	2024/10/17
3500	22.8	3.010	37.900	2.91	37.90	3.44	0.00	± 5	2024/10/18
3500	22.9	3.030	38.000	2.91	37.90	4.12	0.26	± 5	2024/10/19



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3500	22.3	3.020	37.900	2.91	37.90	3.78	0.00	±5	2024/10/20
3500	22.1	2.970	37.600	2.91	37.90	2.06	-0.79	±5	2024/10/21
3500	22.6	2.99	38	2.91	37.90	2.75	0.26	±5	2024/10/26
3500	22.7	2.96	37.8	2.91	37.90	1.72	-0.26	±5	2024/10/27
3700	22.9	3.13	38.1	3.12	37.70	0.32	1.06	±5	2024/9/29
3700	22.1	3.180	38.200	3.12	37.70	1.92	1.33	±5	2024/10/1
3700	22.2	3.200	37.500	3.12	37.70	2.56	-0.53	±5	2024/10/2
3700	22.3	3.090	37.800	3.12	37.70	-0.96	0.27	±5	2024/10/3
3700	22.4	3.120	37.900	3.12	37.70	0.00	0.53	±5	2024/10/4
3700	22	3.180	37.500	3.12	37.70	1.92	-0.53	±5	2024/10/9
3700	22.6	3.200	38.200	3.12	37.70	2.56	1.33	±5	2024/10/16
3700	22.7	3.19	38.1	3.12	37.70	2.24	1.06	±5	2024/10/17
3700	22.8	3.200	37.600	3.12	37.70	2.56	-0.27	±5	2024/10/18
3700	22.9	3.220	37.700	3.12	37.70	3.21	0.00	±5	2024/10/19
3700	22.3	3.210	37.600	3.12	37.70	2.88	-0.27	±5	2024/10/20
3700	22.5	3.17	37.5	3.12	37.70	1.60	-0.53	±5	2024/10/25
3700	22.6	3.15	37.8	3.12	37.70	0.96	0.27	±5	2024/10/26
3700	22.7	3.11	37.5	3.12	37.70	-0.32	-0.53	±5	2024/10/27
3700	22.8	3.1	37.4	3.12	37.70	-0.64	-0.80	±5	2024/10/28
3900	22.5	3.270	36.700	3.33	37.51	-1.80	-2.16	±5	2024/9/30
3900	22.3	3.300	37.600	3.33	37.51	-0.90	0.24	±5	2024/10/3
3900	22	3.390	37.200	3.33	37.51	1.80	-0.83	±5	2024/10/9
3900	22.8	3.410	37.400	3.33	37.51	2.40	-0.29	±5	2024/10/18
3900	22.9	3.420	37.500	3.33	37.51	2.70	-0.03	±5	2024/10/19
3900	22.3	3.420	37.400	3.33	37.51	2.70	-0.29	±5	2024/10/20
3900	22.1	3.360	37.100	3.33	37.51	0.90	-1.09	±5	2024/10/21
3900	22.6	3.32	37.5	3.33	37.51	-0.30	-0.03	±5	2024/10/26
3900	22.7	3.29	37.3	3.33	37.51	-1.20	-0.56	±5	2024/10/27
13	22.4	0.728	54.683	0.75	55.00	-2.93	-0.58	±5	2024/11/14
2450	22.6	1.830	40.300	1.80	39.20	1.67	2.81	±5	2024/10/26
2450	22.7	1.810	38.900	1.80	39.20	0.56	-0.77	±5	2024/11/7
2450	22.8	1.810	39.300	1.80	39.20	0.56	0.26	±5	2024/11/8
5250	22.7	4.690	35.700	4.71	35.95	-0.42	-0.70	±5	2024/10/27
5250	22.8	4.640	35.700	4.71	35.95	-1.49	-0.70	±5	2024/10/28
5250	22.4	4.730	36.600	4.71	35.95	0.42	1.81	±5	2024/10/29
5250	22.5	4.680	35.800	4.71	35.95	-0.64	-0.42	±5	2024/10/30
5250	22.1	4.630	37.000	4.71	35.95	-1.70	2.92	±5	2024/10/31
5250	22.1	4.670	35.600	4.71	35.95	-0.85	-0.97	±5	2024/11/1
5250	22.5	4.670	35.800	4.71	35.95	-0.85	-0.42	±5	2024/11/5
5250	22.6	4.700	36.600	4.71	35.95	-0.21	1.81	±5	2024/11/6
5600	22.7	5.010	35.200	5.07	35.50	-1.18	-0.85	±5	2024/10/27
5600	22.8	5.040	35.100	5.07	35.50	-0.59	-1.13	±5	2024/10/28
5600	22.4	5.110	36.000	5.07	35.50	0.79	1.41	±5	2024/10/29
5600	22.5	5.070	35.200	5.07	35.50	0.00	-0.85	±5	2024/10/30
5600	22.1	5.010	36.500	5.07	35.50	-1.18	2.82	±5	2024/10/31
5600	22.1	5.060	35.000	5.07	35.50	-0.20	-1.41	±5	2024/11/1
5600	22.5	5.070	35.300	5.07	35.50	0.00	-0.56	±5	2024/11/5
5600	22.6	5.050	36.100	5.07	35.50	-0.39	1.69	±5	2024/11/6
5800	22.7	5.210	35.000	5.27	35.30	-1.14	-0.85	±5	2024/10/27
5800	22.8	5.280	34.700	5.27	35.30	0.19	-1.70	±5	2024/10/28
5800	22.4	5.330	35.800	5.27	35.30	1.14	1.42	±5	2024/10/29
5800	22.5	5.320	34.800	5.27	35.30	0.95	-1.42	±5	2024/10/30
5800	22.1	5.220	36.300	5.27	35.30	-0.95	2.83	±5	2024/10/31
5800	22.1	5.310	34.600	5.27	35.30	0.76	-1.98	±5	2024/11/1
5800	22.5	5.330	34.900	5.27	35.30	1.14	-1.13	±5	2024/11/5
5800	22.6	5.260	35.900	5.27	35.30	-0.19	1.70	±5	2024/11/6
6500	22.2	6.180	35.100	6.07	34.50	1.81	1.74	±5	2024/11/2
6500	22.3	6.140	34.800	6.07	34.50	1.15	0.87	±5	2024/11/3
6500	22.4	6.220	35.200	6.07	34.50	2.47	2.03	±5	2024/11/4



10.2 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

Test Site	Date	Frequency (MHz)	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
SAR-18	2024/9/28	750	50	D750V3-1107	EX3DV4 - SN7785	DAE4 Sn1399	0.406	8.540	8.12	-4.92	0.271	5.570	5.42	-2.69
SAR-13	2024/10/8	750	50	D750V3-1107	EX3DV4 - SN7814	DAE4ip Sn1800	0.404	8.540	8.08	-5.39	0.267	5.570	5.34	-4.13
SAR-17	2024/10/10	750	50	D750V3-1107	EX3DV4 - SN7793	DAE4ip Sn1800	0.432	8.540	8.64	1.17	0.286	5.570	5.72	2.69
SAR-17	2024/10/14	750	50	D750V3-1107	EX3DV4 - SN7793	DAE4ip Sn1800	0.422	8.540	8.44	-1.17	0.279	5.570	5.58	0.18
SAR-17	2024/10/18	750	50	D750V3-1107	EX3DV4 - SN7793	DAE4ip Sn1800	0.431	8.540	8.62	0.94	0.285	5.570	5.7	2.33
SAR-14	2024/10/18	750	50	D750V3-1107	EX3DV4 - SN7625	DAE4 Sn1694	0.410	8.540	8.2	-3.98	0.275	5.570	5.5	-1.26
SAR-18	2024/10/23	750	50	D750V3-1107	EX3DV4 - SN7785	DAE4 Sn1399	0.424	8.540	8.48	-0.70	0.285	5.570	5.7	2.33
SAR-18	2024/9/28	835	50	D835V2-4d167	EX3DV4 - SN7785	DAE4 Sn1399	0.480	9.800	9.6	-2.04	0.317	6.380	6.34	-0.63
SAR-13	2024/10/7	835	50	D835V2-4d167	EX3DV4 - SN7814	DAE4ip Sn1800	0.476	9.800	9.52	-2.86	0.311	6.380	6.22	-2.51
SAR-17	2024/10/10	835	50	D835V2-4d167	EX3DV4 - SN7793	DAE4ip Sn1800	0.514	9.800	10.28	4.90	0.336	6.380	6.72	5.33
SAR-17	2024/10/14	835	50	D835V2-4d167	EX3DV4 - SN7793	DAE4ip Sn1800	0.498	9.800	9.96	1.63	0.326	6.380	6.52	2.19
SAR-14	2024/10/18	835	50	D835V2-4d167	EX3DV4 - SN7625	DAE4 Sn1694	0.504	9.800	10.08	2.86	0.346	6.380	6.92	8.46
SAR-18	2024/10/24	835	50	D835V2-4d167	EX3DV4 - SN7785	DAE4 Sn1399	0.486	9.800	9.72	-0.82	0.322	6.380	6.44	0.94
SAR-17	2024/10/11	1750	50	D1750V2-1112	EX3DV4 - SN7793	DAE4 Sn376	1.850	36.900	37	0.27	0.978	19.400	19.56	0.82
SAR-17	2024/10/12	1750	50	D1750V2-1112	EX3DV4 - SN7793	DAE4ip Sn1800	1.840	36.900	36.8	-0.27	0.978	19.400	19.56	0.82
SAR-14	2024/10/19	1750	50	D1750V2-1112	EX3DV4 - SN7625	DAE4 Sn1694	1.700	36.900	34	-7.86	0.899	19.400	17.98	-7.32
SAR-15	2024/10/24	1750	50	D1750V2-1112	EX3DV4 - SN7590	DAE4 Sn1776	1.760	36.900	35.2	-4.61	0.939	19.400	18.78	-3.20
SAR-16	2024/10/29	1750	50	D1750V2-1112	EX3DV4 - SN7700	DAE4 Sn316	1.830	36.900	36.6	-0.81	0.970	19.400	19.4	0.00
SAR-18	2024/9/28	1900	50	D1900V2-5d185	EX3DV4 - SN7785	DAE4 Sn1399	1.790	39.000	35.8	-8.21	0.919	20.400	18.38	-9.90
SAR-13	2024/10/7	1900	50	D1900V2-5d185	EX3DV4 - SN7814	DAE4ip Sn1800	1.880	39.000	37.6	-3.59	0.987	20.400	19.74	-3.24
SAR-17	2024/10/12	1900	50	D1900V2-5d185	EX3DV4 - SN7793	DAE4ip Sn1800	1.900	39.000	38	-2.56	0.995	20.400	19.9	-2.45
SAR-17	2024/10/16	1900	50	D1900V2-5d185	EX3DV4 - SN7793	DAE4ip Sn1800	1.870	39.000	37.4	-4.10	0.975	20.400	19.5	-4.41
SAR-14	2024/10/19	1900	50	D1900V2-5d185	EX3DV4 - SN7625	DAE4 Sn1694	1.790	39.000	35.8	-8.21	0.951	20.400	19.02	-6.76
SAR-18	2024/10/24	1900	50	D1900V2-5d185	EX3DV4 - SN7785	DAE4 Sn1399	1.860	39.000	37.2	-4.62	0.976	20.400	19.52	-4.31
SAR-18	2024/9/29	2300	50	D2300V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	2.190	48.300	43.8	-9.32	1.080	23.500	21.6	-8.09
SAR-15	2024/10/5	2300	50	D2300V2-1006	EX3DV4 - SN7590	DAE4 Sn1776	2.230	48.300	44.6	-7.66	1.070	23.500	21.4	-8.94
SAR-17	2024/10/11	2300	50	D2300V2-1006	EX3DV4 - SN7793	DAE4 Sn376	2.230	48.300	44.6	-7.66	1.070	23.500	21.4	-8.94
SAR-17	2024/10/13	2300	50	D2300V2-1006	EX3DV4 - SN7793	DAE4ip Sn1800	2.260	48.300	45.2	-6.42	1.080	23.500	21.6	-8.09
SAR-17	2024/10/15	2300	50	D2300V2-1006	EX3DV4 - SN7793	DAE4ip Sn1800	2.230	48.300	44.6	-7.66	1.070	23.500	21.4	-8.94
SAR-18	2024/10/22	2300	50	D2300V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	2.530	48.300	50.6	4.76	1.180	23.500	23.6	0.43
SAR-18	2024/9/29	2600	50	D2600V2-1078	EX3DV4 - SN7785	DAE4 Sn1399	2.580	55.400	51.6	-6.86	1.170	24.900	23.4	-6.02
SAR-18	2024/9/30	2600	50	D2600V2-1078	EX3DV4 - SN7785	DAE4 Sn1399	2.680	55.400	53.6	-3.25	1.210	24.900	24.2	-2.81
SAR-15	2024/10/5	2600	50	D2600V2-1078	EX3DV4 - SN7590	DAE4 Sn1776	2.590	55.400	51.8	-6.50	1.170	24.900	23.4	-6.02
SAR-15	2024/10/6	2600	50	D2600V2-1078	EX3DV4 - SN7590	DAE4 Sn1776	2.630	55.400	52.6	-5.05	1.190	24.900	23.8	-4.42
SAR-17	2024/10/11	2600	50	D2600V2-1078	EX3DV4 - SN7793	DAE4 Sn376	2.780	55.400	55.6	0.36	1.250	24.900	25	0.40
SAR-17	2024/10/13	2600	50	D2600V2-1078	EX3DV4 - SN7793	DAE4ip Sn1800	2.760	55.400	55.2	-0.36	1.240	24.900	24.8	-0.40
SAR-17	2024/10/15	2600	50	D2600V2-1078	EX3DV4 - SN7793	DAE4ip Sn1800	2.650	55.400	53	-4.33	1.200	24.900	24	-3.61
SAR-18	2024/10/22	2600	50	D2600V2-1078	EX3DV4 - SN7785	DAE4 Sn1399	2.630	55.400	52.6	-5.05	1.190	24.900	23.8	-4.42
SAR-18	2024/10/29	2600	50	D2600V2-1078	EX3DV4 - SN7785	DAE4 Sn1399	2.700	55.400	54	-2.53	1.220	24.900	24.4	-2.01
SAR-18	2024/9/29	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1399	3.050	67.400	61	-9.50	1.150	25.100	23	-8.37
SAR-18	2024/9/30	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1399	3.050	67.400	61	-9.50	1.150	25.100	23	-8.37
SAR-18	2024/10/2	3500	50	D3500V2-1014	EX3DV4 - SN7785	DAE4 Sn1399	3.080	67.200	61.6	-8.33	1.170	25.100	23.4	-6.77
SAR-18	2024/10/3	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1399	3.070	67.400	61.4	-8.90	1.150	25.100	23	-8.37
SAR-13	2024/10/9	3500	50	D3500V2-1036	EX3DV4 - SN7814	DAE4ip Sn1800	3.200	67.400	64	-5.04	1.220	25.100	24.4	-2.79
SAR-17	2024/10/17	3500	50	D3500V2-1014	EX3DV4 - SN7793	DAE4ip Sn1800	3.090	67.200	61.8	-8.04	1.130	25.100	22.6	-9.96
SAR-18	2024/10/17	3500	50	D3500V2-1014	EX3DV4 - SN7785	DAE4 Sn1399	3.220	67.200	64.4	-4.17	1.240	25.100	24.8	-1.20
SAR-13	2024/10/18	3500	50	D3500V2-1036	EX3DV4 - SN7814	DAE4ip Sn1800	3.200	67.400	64	-5.04	1.200	25.100	24	-4.38
SAR-18	2024/10/19	3500	50	D3500V2-1014	EX3DV4 - SN7785	DAE4 Sn1399	3.150	67.200	63	-6.25	1.200	25.100	24	-4.38
SAR-18	2024/10/20	3500	50	D3500V2-1014	EX3DV4 - SN7785	DAE4 Sn1399	3.090	67.200	61.8	-8.04	1.180	25.100	23.6	-5.98
SAR-18	2024/10/21	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1399	3.080	67.400	61.6	-8.61	1.160	25.100	23.2	-7.57
SAR-18	2024/10/26	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1399	3.050	67.400	61	-9.50	1.150	25.100	23	-8.37



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SAR-18	2024/10/27	3500	50	D3500V2-1036	EX3DV4 - SN7785	DAE4 Sn1399	3.120	67.400	62.4	-7.42	1.160	25.100	23.2	-7.57
SAR-18	2024/9/29	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.110	65.600	62.2	-5.18	1.170	23.700	23.4	-1.27
SAR-18	2024/10/1	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.170	65.600	63.4	-3.35	1.200	23.700	24	1.27
SAR-18	2024/10/2	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.190	65.600	63.8	-2.74	1.200	23.700	24	1.27
SAR-18	2024/10/3	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.150	65.600	63	-3.96	1.190	23.700	23.8	0.42
SAR-15	2024/10/4	3700	50	D3700V2-1022	EX3DV4 - SN7590	DAE4 Sn1776	3.110	68.100	62.2	-8.66	1.140	25.200	22.8	-9.52
SAR-13	2024/10/9	3700	50	D3700V2-1006	EX3DV4 - SN7814	DAE4ip Sn1800	3.440	65.600	68.8	4.88	1.300	23.700	26	9.70
SAR-17	2024/10/16	3700	50	D3700V2-1022	EX3DV4 - SN7793	DAE4ip Sn1800	3.210	68.100	64.2	-5.73	1.210	25.200	24.2	-3.97
SAR-18	2024/10/17	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.220	65.600	64.4	-1.83	1.210	23.700	24.2	2.11
SAR-13	2024/10/18	3700	50	D3700V2-1006	EX3DV4 - SN7814	DAE4ip Sn1800	3.510	65.600	70.2	7.01	1.300	23.700	26	9.70
SAR-18	2024/10/19	3700	50	D3700V2-1022	EX3DV4 - SN7785	DAE4 Sn1399	3.150	68.100	63	-7.49	1.190	25.200	23.8	-5.56
SAR-18	2024/10/20	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.230	65.600	64.6	-1.52	1.220	23.700	24.4	2.95
SAR-18	2024/10/25	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.150	65.600	63	-3.96	1.200	23.700	24	1.27
SAR-18	2024/10/26	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.220	65.600	64.4	-1.83	1.210	23.700	24.2	2.11
SAR-18	2024/10/27	3700	50	D3700V2-1006	EX3DV4 - SN7785	DAE4 Sn1399	3.190	65.600	63.8	-2.74	1.200	23.700	24	1.27
SAR-18	2024/10/28	3700	50	D3700V2-1022	EX3DV4 - SN7785	DAE4 Sn1399	3.080	68.100	61.6	-9.54	1.170	25.200	23.4	-7.14
SAR-18	2024/9/30	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1399	3.090	67.000	61.8	-7.76	1.050	23.200	21	-9.48
SAR-18	2024/10/3	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1399	3.080	67.000	61.6	-8.06	1.100	23.200	22	-5.17
SAR-13	2024/10/9	3900	50	D3900V2-1092	EX3DV4 - SN7814	DAE4ip Sn1800	3.250	67.000	65	-2.99	1.170	23.200	23.4	0.86
SAR-13	2024/10/18	3900	50	D3900V2-1017	EX3DV4 - SN7814	DAE4ip Sn1800	3.210	68.700	64.2	-6.55	1.150	23.900	23	-3.77
SAR-18	2024/10/19	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1399	3.120	67.000	62.4	-6.87	1.120	23.200	22.4	-3.45
SAR-18	2024/10/20	3900	50	D3900V2-1017	EX3DV4 - SN7785	DAE4 Sn1399	3.180	68.700	63.6	-7.42	1.140	23.900	22.8	-4.60
SAR-18	2024/10/21	3900	50	D3900V2-1017	EX3DV4 - SN7785	DAE4 Sn1399	3.210	68.700	64.2	-6.55	1.080	23.900	21.6	-9.62
SAR-18	2024/10/26	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1399	3.180	67.000	63.6	-5.07	1.140	23.200	22.8	-1.72
SAR-18	2024/10/27	3900	50	D3900V2-1092	EX3DV4 - SN7785	DAE4 Sn1399	3.150	67.000	63	-5.97	1.130	23.200	22.6	-2.59
SAR-20	2024/11/14	13	1000	CLA13-1022	EX3DV4 - SN3925	DAE4 Sn656	0.570	0.560	0.57	1.79	0.355	0.349	0.355	1.43
SAR-18	2024/10/26	2450	50	D2450V2-806	EX3DV4 - SN7785	DAE4 Sn1399	2.400	52.700	48	-8.92	1.180	24.400	23.6	-3.28
SAR-18	2024/11/7	2450	240	D2450V2-929	EX3DV4 - SN7785	DAE4 Sn1399	12.000	52.400	50	-4.58	5.710	24.700	23.79	-3.68
SAR-18	2024/11/8	2450	240	D2450V2-929	EX3DV4 - SN7785	DAE4 Sn1399	12.000	52.400	50	-4.58	5.700	24.700	23.75	-3.85
SAR-18	2024/10/27	5250	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.230	77.500	84.6	9.16	1.220	22.200	24.4	9.91
SAR-18	2024/10/28	5250	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.170	77.500	83.4	7.61	1.140	22.200	22.8	2.70
SAR-18	2024/10/29	5250	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.200	77.500	84	8.39	1.210	22.200	24.2	9.01
SAR-18	2024/10/30	5250	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.260	77.500	85.2	9.94	1.210	22.200	24.2	9.01
SAR-18	2024/10/31	5250	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.070	77.500	70.7	-8.77	2.050	22.200	20.5	-7.66
SAR-18	2024/11/1	5250	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.130	77.500	71.3	-8.00	2.070	22.200	20.7	-6.76
SAR-17	2024/11/5	5250	50	D5GHZV2-1128	EX3DV4 - SN7793	DAE4 Sn1707	3.660	77.500	73.2	-5.55	1.070	22.200	21.4	-3.60
SAR-17	2024/11/6	5250	50	D5GHZV2-1128	EX3DV4 - SN7793	DAE4 Sn1707	3.600	77.500	72	-7.10	1.050	22.200	21	-5.41
SAR-18	2024/10/27	5600	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.310	81.700	86.2	5.51	1.220	23.500	24.4	3.83
SAR-18	2024/10/28	5600	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.310	81.700	86.2	5.51	1.250	23.500	25	6.38
SAR-18	2024/10/29	5600	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.240	81.700	84.8	3.79	1.170	23.500	23.4	-0.43
SAR-18	2024/10/30	5600	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.940	81.700	79.4	-2.82	2.300	23.500	23	-2.13
SAR-18	2024/10/31	5600	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.780	81.700	77.8	-4.77	2.250	23.500	22.5	-4.26
SAR-18	2024/11/1	5600	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.980	81.700	79.8	-2.33	2.310	23.500	23.1	-1.70
SAR-17	2024/11/5	5600	50	D5GHZV2-1128	EX3DV4 - SN7793	DAE4 Sn1707	4.000	81.700	80	-2.08	1.160	23.500	23.2	-1.28
SAR-17	2024/11/6	5600	50	D5GHZV2-1128	EX3DV4 - SN7793	DAE4 Sn1707	3.690	81.700	73.8	-9.67	1.060	23.500	21.2	-9.79
SAR-18	2024/10/27	5800	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.210	78.600	84.2	7.12	1.180	22.500	23.6	4.89
SAR-18	2024/10/28	5800	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.310	78.600	86.2	9.67	1.210	22.500	24.2	7.56
SAR-18	2024/10/29	5800	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.290	78.600	85.8	9.16	1.210	22.500	24.2	7.56
SAR-18	2024/10/30	5800	50	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	4.270	78.600	85.4	8.65	1.200	22.500	24	6.67
SAR-18	2024/10/31	5800	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.400	78.600	74	-5.85	2.130	22.500	21.3	-5.33
SAR-18	2024/11/1	5800	100	D5GHZV2-1128	EX3DV4 - SN7785	DAE4 Sn1399	7.630	78.600	76.3	-2.93	2.200	22.500	22	-2.22
SAR-17	2024/11/5	5800	50	D5GHZV2-1128	EX3DV4 - SN7793	DAE4 Sn1707	3.770	78.600	75.4	-4.07	1.090	22.500	21.8	-3.11
SAR-17	2024/11/6	5800	50	D5GHZV2-1128	EX3DV4 - SN7793	DAE4 Sn1707	3.720	78.600	74.4	-5.34	1.080	22.500	21.6	-4.00
SAR-18	2024/11/2	6500	100	D6.5GHZV2-1003	EX3DV4 - SN7785	DAE4 Sn1399	27.900	293.000	279	-4.78	5.220	53.800	52.2	-2.97
SAR-18	2024/11/3	6500	100	D6.5GHZV2-1003	EX3DV4 - SN7785	DAE4 Sn1399	27.800	293.000	278	-5.12	5.210	53.800	52.1	-3.16
SAR-18	2024/11/4	6500	100	D6.5GHZV2-1003	EX3DV4 - SN7785	DAE4 Sn1399	28.300	293.000	283	-3.41	5.290	53.800	52.9	-1.67

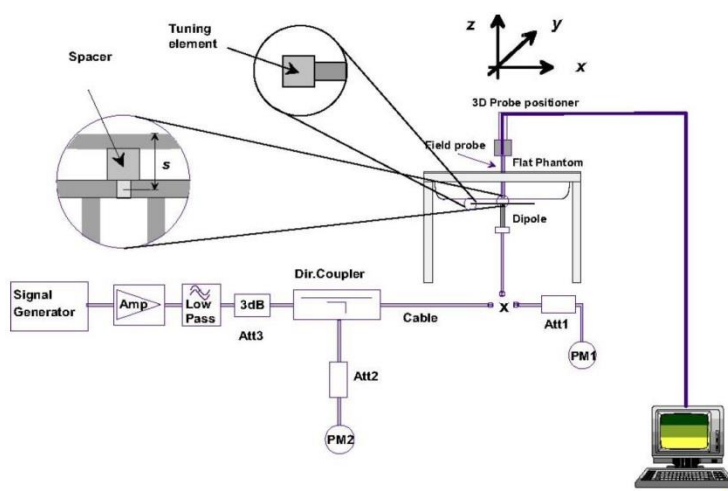


Fig 8.3.1 System Performance Check Setup

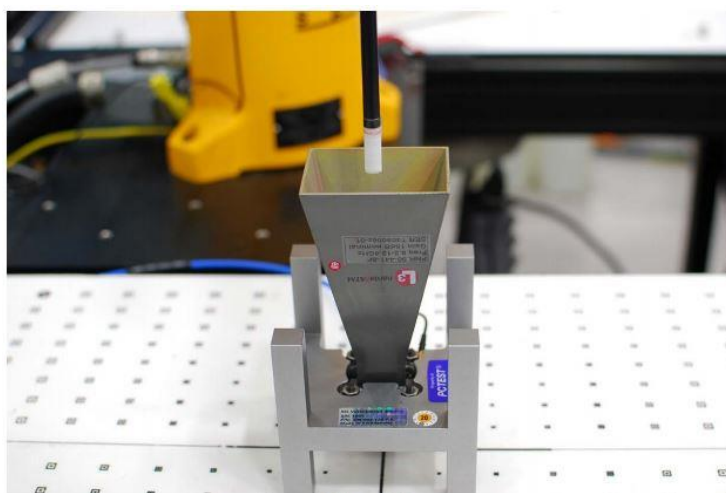


Fig 8.3.2 Setup Photo

10.3 PD System Performance Check Results

The system was verified to be within ± 0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check. The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes

Test Location	Frequency (GHz)	5G Verification Source	Probe S/N	DAE S/N	Distance (mm)	Measured 4 cm ² (W/m ²)	Targeted 4 cm ² (W/m ²)	Deviation (dB)	Date
SAR13-HY	10G	10GHz_1020	EUmmWV4 - 9441	661	10	57.1	55.8	0.10	2024/10/29

Figure 4-3
System Verification Setup Photo

System Performance Check Setup

11. RF Exposure Positions

11.1 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 9.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-chip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

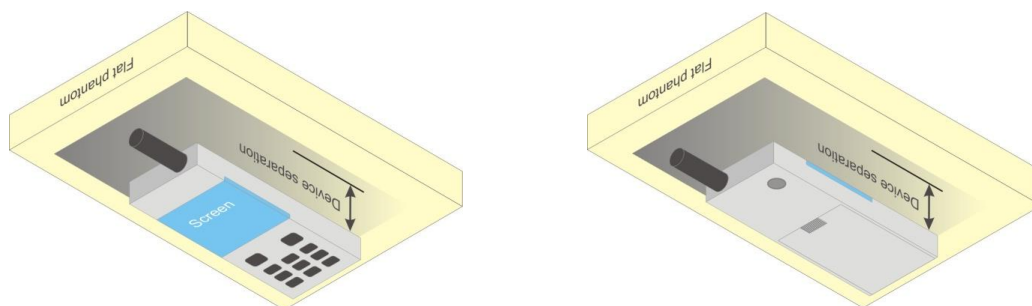


Fig 9.4 Body Worn Position

11.2 Product Specific Exposure

For smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, According to KDB648474 D04v01r03, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions.⁶ The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

11.3 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets ($L \times W \geq 9 \text{ cm} \times 5 \text{ cm}$) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

12. DL/UL Carrier aggregation

<LTE Carrier Aggregation combinations>

General Note:

1. This device supports Carrier Aggregation on downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP.
2. According to 202410 TCB workshop, the downlink (DL) pertains to receiver functionality, thus it is not related to RF exposure compliance limits related to cumulative effects of different transmitters.
3. According to 202410 TCB workshop, equipment authorization applications shall refer to the worst-case UL powers resulting from all the possible modes of operations. Accordingly, CA-DL cases do not need to be analyzed separately, unless pertinent to establishing UL power setting.
4. Pick one from the largest DL combinations for internal investigation that Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.

2CC Downlink Carrier Aggregation		3CC Downlink Carrier Aggregation		4CC Downlink Carrier Aggregation	
Number	Combination	Number	Combination	Number	Combination
1	CA_2C	85	CA_41D	173	CA_2A-2A-4A-4A
2	CA_2C	86	CA_41D	174	CA_2A-2A-4A-4A
3	CA_5B	87	CA_48D	175	CA_2C-66A-66A
4	CA_5B	88	CA_48D	176	CA_2C-66A-66A
5	CA_7C	89	CA_66A-66A-66A	177	CA_5B-66A-66A
6	CA_7C	90	CA_66A-66A-66A	178	CA_5B-66A-66A
7	CA_41C	91	CA_66A-66C	179	CA_2A-2A-4A-5A
8	CA_41C	92	CA_66A-66C	180	CA_2A-2A-4A-5A
9	CA_48C	93	CA_2A-2A-5A	181	CA_2A-2A-4A-71A
10	CA_48C	94	CA_2A-2A-5A	182	CA_2A-2A-4A-71A
11	CA_66B	95	CA_2A-2A-12A	183	CA_2A-2A-5A-30A
12	CA_66B	96	CA_2A-2A-12A	184	CA_2A-2A-5A-30A
13	CA_2A-2A	97	CA_2A-2A-13A	185	CA_2A-2A-12A-30A
14	CA_2A-2A	98	CA_2A-2A-13A	186	CA_2A-2A-12A-30A
15	CA_4A-4A	99	CA_2A-2A-71A	187	CA_2A-2A-14A-66A
16	CA_4A-4A	100	CA_2A-2A-71A	188	CA_2A-2A-14A-66A
17	CA_5A-5A	101	CA_2A-4A-4A	189	CA_2A-2A-29A-30A
18	CA_5A-5A	102	CA_2A-4A-4A	190	CA_2A-2A-29A-30A
19	CA_7A-7A	103	CA_2A-66C	191	CA_2A-2A-66A-71A
20	CA_7A-7A	104	CA_2A-66C	192	CA_2A-2A-66A-71A
21	CA_25A-25A	105	CA_2C-66A	193	CA_2A-4A-4A-5A
22	CA_25A-25A	106	CA_2C-66A	194	CA_2A-4A-4A-5A
23	CA_66A-66A	107	CA_4A-4A-5A	195	CA_2A-4A-4A-12A
24	CA_66A-66A	108	CA_4A-4A-5A	196	CA_2A-4A-4A-12A
25	CA_2A-4A	109	CA_4A-4A-12A	197	CA_2A-5B-66A
26	CA_2A-4A	110	CA_4A-4A-12A	198	CA_2A-5B-66A
27	CA_2A-5A	111	CA_4A-4A-13A	199	CA_2A-12A-66A-66A
28	CA_2A-5A	112	CA_4A-4A-13A	200	CA_2A-12A-66A-66A
29	CA_2A-7A	113	CA_4A-4A-71A	201	CA_2A-14A-66A-66A
30	CA_2A-7A	114	CA_4A-4A-71A	202	CA_2A-14A-66A-66A
31	CA_2A-12A	115	CA_5A-66A-66A	203	CA_2A-30A-66A-66A
32	CA_2A-12A	116	CA_5A-66A-66A	204	CA_2A-30A-66A-66A
33	CA_2A-13A	117	CA_12A-66A-66A	205	CA_2A-66A-66A-71A
34	CA_2A-13A	118	CA_12A-66A-66A	206	CA_2A-66A-66A-71A
35	CA_2A-14A	119	CA_13A-66A-66A	207	CA_2A-66C-71A
36	CA_2A-14A	120	CA_13A-66A-66A	208	CA_2A-66C-71A
37	CA_2A-29A	121	CA_14A-66A-66A	209	CA_14A-30A-66A-66A
38	CA_2A-29A	122	CA_14A-66A-66A	210	CA_14A-30A-66A-66A



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39	CA_2A-30A	123	CA_30A-66A-66A		
40	CA_2A-30A	124	CA_30A-66A-66A		
41	CA_2A-66A	125	CA_66A-66A-71A		
42	CA_2A-66A	126	CA_66A-66A-71A		
43	CA_2A-71A	127	CA_66C-71A		
44	CA_2A-71A	128	CA_66C-71A		
45	CA_4A-5A	129	CA_2A-4A-5A		
46	CA_4A-5A	130	CA_2A-4A-5A		
47	CA_4A-12A	131	CA_2A-4A-12A		
48	CA_4A-12A	132	CA_2A-4A-12A		
49	CA_4A-13A	133	CA_2A-4A-13A		
50	CA_4A-13A	134	CA_2A-4A-13A		
51	CA_4A-29A	135	CA_2A-4A-71A		
52	CA_4A-29A	136	CA_2A-4A-71A		
53	CA_4A-30A	137	CA_2A-5A-13A		
54	CA_4A-30A	138	CA_2A-5A-13A		
55	CA_4A-71A	139	CA_2A-5A-30A		
56	CA_4A-71A	140	CA_2A-5A-30A		
57	CA_5A-7A	141	CA_2A-5A-66A		
58	CA_5A-7A	142	CA_2A-5A-66A		
59	CA_5A-13A	143	CA_2A-12A-30A		
60	CA_5A-13A	144	CA_2A-12A-30A		
61	CA_5A-30A	145	CA_2A-12A-66A		
62	CA_5A-30A	146	CA_2A-12A-66A		
63	CA_5A-66A	147	CA_2A-13A-66A		
64	CA_5A-66A	148	CA_2A-13A-66A		
65	CA_7A-66A	149	CA_2A-14A-30A		
66	CA_7A-66A	150	CA_2A-14A-30A		
67	CA_12A-30A	151	CA_2A-14A-66A		
68	CA_12A-30A	152	CA_2A-14A-66A		
69	CA_12A-66A	153	CA_2A-29A-30A		
70	CA_12A-66A	154	CA_2A-29A-30A		
71	CA_13A-66A	155	CA_2A-30A-66A		
72	CA_13A-66A	156	CA_2A-30A-66A		
73	CA_14A-30A	157	CA_2A-66A-71A		
74	CA_14A-30A	158	CA_2A-66A-71A		
75	CA_14A-66A	159	CA_4A-5A-13A		
76	CA_14A-66A	160	CA_4A-5A-13A		
77	CA_25A-41A	161	CA_4A-5A-30A		
78	CA_25A-41A	162	CA_4A-5A-30A		
79	CA_29A-30A	163	CA_4A-12A-30A		
80	CA_29A-30A	164	CA_4A-12A-30A		
81	CA_29A-66A	165	CA_4A-29A-30A		
82	CA_29A-66A	166	CA_4A-29A-30A		
83	CA_30A-66A	167	CA_5A-30A-66A		
84	CA_30A-66A	168	CA_5A-30A-66A		
		169	CA_12A-30A-66A		
		170	CA_12A-30A-66A		
		171	CA_14A-30A-66A		
		172	CA_14A-30A-66A		

<LTE Uplink carrier aggregation>

2CC Uplink Carrier Aggregation	
Number	Combination
1	5B
2	7C
3	66B
4	66C
5	38C
6	41C
7	48C

General Note:

- The device supports intra-band uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- The device supports uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.
- According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- Additional SAR measurement for LTE UL CA with other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<Body-worn>

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.78	24.7
20475	20574	QPSK	1	49	1	0	2	0	23.96	24.7
20600	20501	QPSK	1	0	1	49	2	0	23.91	24.7

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	19.42	20.6
21100	20902	QPSK	1	0	1	99	2	0	19.74	20.6
21350	21152	QPSK	1	0	1	99	2	0	19.58	20.6

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	21.66	22.4
132322	132229	QPSK	1	0	1	24	2	0	21.74	22.4
132597	132504	QPSK	1	0	1	24	2	0	21.64	22.4

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	21.65	22.4
132322	132124	QPSK	1	0	1	99	2	0	21.76	22.4
132572	132374	QPSK	1	0	1	99	2	0	21.7	22.4

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	22.15	22.9
37901	38099	QPSK	1	0	0	0	1	0	22.06	22.9
38150	37952	QPSK	1	0	1	99	2	0	22.09	22.9

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.11	22.9
40185	39987	QPSK	1	0	1	99	2	0	22.16	22.9
40620	40422	QPSK	1	0	1	99	2	0	22.18	22.9
41055	40857	QPSK	1	0	1	99	2	0	22.15	22.9
41490	41292	QPSK	1	0	1	99	2	0	22.06	22.9

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	6.01	7
55830	55632	QPSK	1	0	1	99	2	0	23.03	23.8
56150	55952	QPSK	1	0	1	99	2	0	11.87	12
56640	56442	QPSK	1	0	1	99	2	0	11.44	12

<Hotspot>

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	24.08	25
20475	20574	QPSK	1	49	1	0	2	0	24.26	25
20600	20501	QPSK	1	0	1	49	2	0	24.21	25

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	22.22	23
21100	20902	QPSK	1	0	1	99	2	0	22.61	23
21350	21152	QPSK	1	0	1	99	2	0	22.54	23

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.9	24.1
132322	132229	QPSK	1	0	1	24	2	0	23.92	24.1
132597	132504	QPSK	1	0	1	24	2	0	23.84	24.1

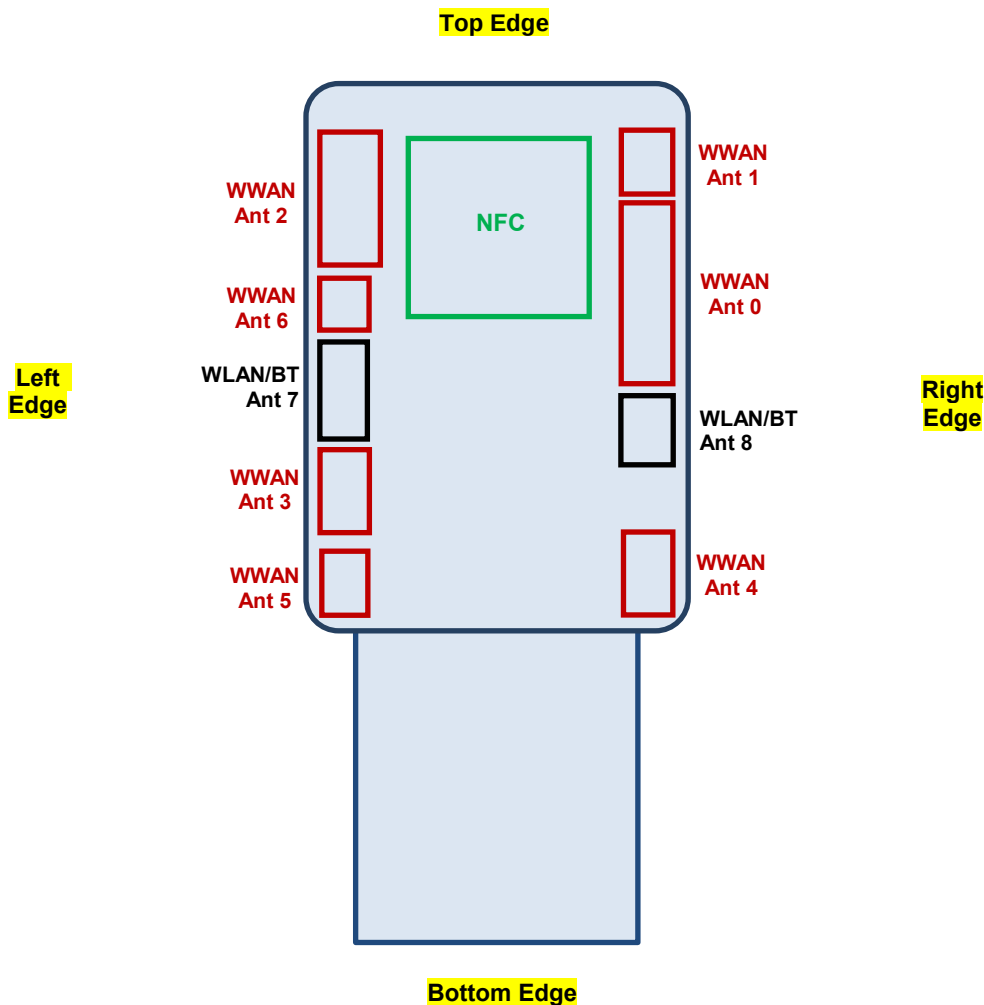
CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.84	24.1
132322	132124	QPSK	1	0	1	99	2	0	23.95	24.1
132572	132374	QPSK	1	0	1	99	2	0	23.82	24.1

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	23.61	25
37901	38099	QPSK	1	0	0	0	1	0	23.6	25
38150	37952	QPSK	1	0	1	99	2	0	23.58	25

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.51	25
40185	39987	QPSK	1	0	1	99	2	0	23.61	25
40620	40422	QPSK	1	0	1	99	2	0	23.63	25
41055	40857	QPSK	1	0	1	99	2	0	23.33	25
41490	41292	QPSK	1	0	1	99	2	0	23.45	25

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	6.01	7
55830	55632	QPSK	1	0	1	99	2	0	21.55	22.2
56150	55952	QPSK	1	0	1	99	2	0	11.87	12
56640	56442	QPSK	1	0	1	99	2	0	11.44	12

13. Antenna Location



Front View

Distance of the Antenna to the EUT surface/edge						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 0	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 2	≤ 25mm	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm
WWAN Ant 3	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm
WWAN Ant 4	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	> 25mm
WWAN Ant 5	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm
WWAN Ant 6	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm
2.4GHz/5GHz WLAN Ant 7	≤ 25mm	≤ 25mm	> 25mm	> 25mm	> 25mm	≤ 25mm
2.4GHz/5GHz WLAN Ant 8	≤ 25mm	≤ 25mm	> 25mm	> 25mm	≤ 25mm	> 25mm

Positions for SAR tests; Hotspot mode						
Antennas	Back	Front	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 0	Yes	Yes	Yes	No	Yes	No
WWAN Ant 1	Yes	Yes	Yes	No	Yes	No
WWAN Ant 2	Yes	Yes	Yes	No	No	Yes
WWAN Ant 3	Yes	Yes	No	No	No	Yes
WWAN Ant 4	Yes	Yes	No	No	Yes	No
WWAN Ant 5	Yes	Yes	No	No	No	Yes
WWAN Ant 6	Yes	Yes	No	No	No	Yes
2.4GHz/5GHz WLAN Ant 7	Yes	Yes	No	No	No	Yes
2.4GHz/5GHz WLAN Ant 8	Yes	Yes	No	No	Yes	No

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are $\geq 9\text{cm} \times 5\text{cm}$, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge.

14. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, 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:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 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
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
4. PC2 was performed on the highest SAR test configuration in PC3, and use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is $<10\%$.

LTE Note:

1. Per KDB 941225 D05v02r05, 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.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, 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 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. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $> \text{not } \frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $> \text{not } \frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. The maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion.
 - b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

5G NR Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
 - a. To start SAR test for the largest channel bandwidth for PI/2 BPSK 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. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
 - b. For PI/2 BPSK with 100% RB allocation, SAR test 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 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.
 - c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - d. Smaller bandwidth output power for each RB allocation configuration for this device is not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - e. For 5G FR1 n5/n12/n41/n71/n77, the maximum channel bandwidth does not support three non-overlapping channels in the frequency band, the middle channel of the group of overlapping channels were selected for testing.
 - f. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission
 - g. The NR n2/5/38/78 SAR test was covered by NR n25/25/41/77; due to SAR test for overlapping NR bands can be reduced if the maximum power including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, WLAN5.2GHz SAR testing is not required when the WLAN5.3GHz band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for WLAN5.2GHz band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode 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 report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. For determination of the scaling factor for report SAR of MIMO mode, if the hot spots are separated the scaling factors are individually determined from each transmit chain. If the hot spots are not spatially separated, the scaling factor is determined from the worst number of each transmit chain
6. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

WLAN PD Note:

1. The WiFi 6E PD was performed according 2020 TCB workshop RF Exposure 5G RFX Policies Interim Procedures.
2. First, evaluate SAR using 6-7 GHz parameters per IEC/IEEE 62209-1528:2020 and evaluate incident PD using the mmw near-field probe and total-field/power-density reconstruction method.
3. Per Interim Procedures. The power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor
4. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. The WiFi 6E RF Exposure results are used for simultaneous transmission analysis with the other transmitters and total exposure ratio, the analysis can be found in this report section 15.
6. Absorbed power density (APD) using a 4cm² averaging area is reported based on SAR measurements.
7. Power density was calculated by repeated E-field measurements on two measurement planes separated by $\lambda/4$.
8. The device was 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.
9. The measurement procedure consists of measuring the PD_{inc} at two different distances: 2 mm (compliance distance) and $\lambda/5$. The grid extents should be large enough to fully capture the transmitted energy. The grid step should be fine enough to demonstrate that the integrated Power Density iPD_n fulfill the criterion described below. Since iPD ratio between the two distances is ≥ -1 dB, the grid step (0.0625) was sufficient for determining compliance at d=2mm.

$$10 \cdot \log_{10} \frac{iPD_n(2mm)}{iPD_n(\lambda/5)} \geq -1$$

NFC Note:

1. NFC mainly operate in hand-held extremity exposure conditions, therefore Standalone 10-g extremity SAR testing for NFC will be performed with active mode, with 100% duty cycle at 0mm separation distance.
2. NFC SAR is measured for all surface edges of the device with a transmitting antenna located within 25 mm.
3. NFC SAR test tissue-simulating liquid parameter: refer to IEC/IEEE 62209-1528 2020.

**14.1 Hotspot SAR****<LTE SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	22.66	23	1.081	-0.04	0.236	0.255
	LTE Band 7_Ant 1	20M	QPSK	50	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	21.8	22	1.047	-0.01	0.223	0.234
	LTE Band 7_Ant 1	20M	QPSK	1	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	22.66	23	1.081	0	0.190	0.205
	LTE Band 7_Ant 1	20M	QPSK	50	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	21.8	22	1.047	-0.11	0.143	0.150
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	22.66	23	1.081	-0.06	0.745	0.806
01	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	20850	2510	22.48	23	1.127	-0.02	0.754	0.850
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21350	2560	22.46	23	1.132	-0.15	0.698	0.790
	LTE Band 7_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	21.8	22	1.047	0.03	0.529	0.554
	LTE Band 7_Ant 1	20M	QPSK	100	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	21.74	22	1.062	-0.13	0.521	0.553
	LTE Band 7_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	22.66	23	1.081	0.16	0.639	0.691
	LTE Band 7_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100	2535	21.8	22	1.047	-0.15	0.524	0.549
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	21100	2535	22.66	23	1.081	-0.02	0.709	0.767
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	21100	2535	22.66	23	1.081	-0.09	0.695	0.752
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	21100	2535	22.66	23	1.081	0.14	0.721	0.780
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	21100	2535	22.66	23	1.081	0.1	0.676	0.731
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	21100	2535	22.66	23	1.081	-0.09	0.649	0.702
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	21100	2535	22.66	23	1.081	0.07	0.710	0.768
	LTE Band 7C_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	21100+20902	2535	22.61	23	1.094	-0.02	0.705	0.771
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	24.02	25	1.253	-0.08	0.087	0.109
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	23.04	24	1.247	0.13	0.078	0.097
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	24.02	25	1.253	0.12	0.207	0.259
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	23.04	24	1.247	0.03	0.195	0.243
	LTE Band 12_Ant 0	10M	QPSK	1	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	24.02	25	1.253	0.18	0.074	0.093
	LTE Band 12_Ant 0	10M	QPSK	25	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	23.04	24	1.247	0.16	0.069	0.086
02	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	24.02	25	1.253	0.03	0.234	0.293
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23095	707.5	23.04	24	1.247	-0.1	0.216	0.269
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	23095	707.5	24.02	25	1.253	-0.17	0.221	0.277
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	23095	707.5	24.02	25	1.253	-0.08	0.233	0.292
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	23095	707.5	24.02	25	1.253	-0.04	0.212	0.266
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	23095	707.5	24.02	25	1.253	-0.08	0.200	0.251
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	23095	707.5	24.02	25	1.253	0.17	0.228	0.286
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	23095	707.5	24.02	25	1.253	0.18	0.221	0.277
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	24.01	25.5	1.409	0.07	0.187	0.264
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	23.02	24.5	1.406	0.18	0.163	0.229
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	24.01	25.5	1.409	-0.1	0.251	0.354
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	23.02	24.5	1.406	0.01	0.237	0.333
	LTE Band 13_Ant 0	10M	QPSK	1	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	24.01	25.5	1.409	-0.15	0.174	0.245
	LTE Band 13_Ant 0	10M	QPSK	25	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	23.02	24.5	1.406	0.19	0.166	0.233
03	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	24.01	25.5	1.409	-0.05	0.372	0.524
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23230	782	23.02	24.5	1.406	0.07	0.351	0.494
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	23230	782	24.01	25.5	1.409	-0.18	0.352	0.496
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	23230	782	24.01	25.5	1.409	0.03	0.370	0.521
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	23230	782	24.01	25.5	1.409	-0.15	0.338	0.476
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	23230	782	24.01	25.5	1.409	-0.15	0.319	0.450
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	23230	782	24.01	25.5	1.409	0.11	0.362	0.510
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	23230	782	24.01	25.5	1.409	-0.08	0.344	0.485



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	23.6	25	1.380	-0.04	0.185	0.255
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	22.6	24	1.380	-0.08	0.177	0.244
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	23.6	25	1.380	-0.13	0.264	0.364
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	22.6	24	1.380	-0.13	0.255	0.352
	LTE Band 14_Ant 0	10M	QPSK	1	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	23.6	25	1.380	0.06	0.154	0.213
	LTE Band 14_Ant 0	10M	QPSK	25	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	22.6	24	1.380	-0.03	0.142	0.196
04	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	23.6	25	1.380	-0.12	0.391	0.540
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	23330	793	22.6	24	1.380	-0.03	0.361	0.498
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	23330	793	23.6	25	1.380	0.08	0.351	0.485
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	23330	793	23.6	25	1.380	-0.07	0.341	0.471
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	23330	793	23.6	25	1.380	0.05	0.359	0.496
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	23330	793	23.6	25	1.380	-0.11	0.328	0.453
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	23330	793	23.6	25	1.380	-0.12	0.309	0.427
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	23330	793	23.6	25	1.380	0.03	0.351	0.485
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	24.43	25	1.140	0.02	0.326	0.372
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	22.6	24	1.380	0.12	0.320	0.442
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	24.43	25	1.140	-0.16	0.303	0.345
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	22.6	24	1.380	-0.12	0.293	0.404
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	24.43	25	1.140	0.07	0.471	0.537
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	22.6	24	1.380	-0.02	0.376	0.519
05	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	24.43	25	1.140	-0.02	0.505	0.576
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	26340	1880	22.6	24	1.380	-0.05	0.381	0.526
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	26340	1880	24.43	25	1.140	-0.13	0.477	0.544
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	26340	1880	24.43	25	1.140	0.08	0.502	0.572
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	26340	1880	24.43	25	1.140	0.16	0.458	0.522
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	26340	1880	24.43	25	1.140	0.01	0.432	0.493
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	26340	1880	24.43	25	1.140	-0.16	0.492	0.561
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	26340	1880	24.43	25	1.140	0.1	0.480	0.547
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	23.76	25	1.330	-0.16	0.187	0.249
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	22.83	24	1.309	-0.02	0.161	0.211
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	23.76	25	1.330	0.15	0.295	0.392
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	22.83	24	1.309	-0.09	0.268	0.351
	LTE Band 26_Ant 0	15M	QPSK	1	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	23.76	25	1.330	0.11	0.210	0.279
	LTE Band 26_Ant 0	15M	QPSK	36	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	22.83	24	1.309	-0.05	0.183	0.240
06	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	23.76	25	1.330	-0.02	0.397	0.528
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	26865	831.5	22.83	24	1.309	-0.08	0.352	0.461
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	26865	831.5	23.76	25	1.330	-0.05	0.386	0.514
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	26865	831.5	23.76	25	1.330	0.01	0.375	0.499
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	26865	831.5	23.76	25	1.330	0.1	0.395	0.526
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	26865	831.5	23.76	25	1.330	-0.17	0.360	0.479
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	26865	831.5	23.76	25	1.330	0.04	0.340	0.452
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	26865	831.5	23.76	25	1.330	-0.01	0.387	0.515
	LTE Band 5B_Ant 0	10M	QPSK	1	49	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	20475+20574	831.5	24.26	25.00	1.186	-0.02	0.384	0.455



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	23.62	25	1.374	-0.09	0.181	0.249
	LTE Band 30_Ant 1	10M	QPSK	25	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	22.54	24	1.400	-0.16	0.154	0.216
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	23.62	25	1.374	-0.18	0.114	0.157
	LTE Band 30_Ant 1	10M	QPSK	25	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	22.54	24	1.400	-0.07	0.097	0.136
07	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	23.62	25	1.374	-0.06	0.454	0.624
	LTE Band 30_Ant 1	10M	QPSK	25	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	22.54	24	1.400	0.11	0.386	0.540
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	23.62	25	1.374	-0.08	0.409	0.562
	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	27710	2310	22.54	24	1.400	-0.1	0.334	0.467
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	27710	2310	23.62	25	1.374	-0.01	0.397	0.545
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	27710	2310	23.62	25	1.374	-0.09	0.386	0.530
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	27710	2310	23.62	25	1.374	-0.06	0.406	0.558
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	27710	2310	23.62	25	1.374	-0.17	0.370	0.508
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	27710	2310	23.62	25	1.374	-0.01	0.349	0.480
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	27710	2310	23.62	25	1.374	-0.11	0.397	0.545
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	24.07	24.1	1.007	0	0.426	0.429
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	22.98	23.1	1.028	-0.13	0.377	0.388
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	24.07	24.1	1.007	-0.01	0.466	0.469
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	22.98	23.1	1.028	-0.09	0.296	0.304
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	24.07	24.1	1.007	0.05	0.563	0.567
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	22.98	23.1	1.028	0.02	0.509	0.523
08	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	24.07	24.1	1.007	0	0.682	0.687
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322	1745	22.98	23.1	1.028	-0.13	0.540	0.555
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	132322	1745	24.07	24.1	1.007	0.17	0.663	0.668
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	132322	1745	24.07	24.1	1.007	0.06	0.645	0.649
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	132322	1745	24.07	24.1	1.007	0	0.678	0.683
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	132322	1745	24.07	24.1	1.007	-0.04	0.619	0.623
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	132322	1745	24.07	24.1	1.007	-0.15	0.584	0.588
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	132322	1745	24.07	24.1	1.007	0.11	0.664	0.669
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	132322+132124	1745	23.95	24	1.035	0.01	0.611	0.632
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	23.77	25	1.327	0.07	0.112	0.149
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	22.85	24	1.303	0	0.096	0.125
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	23.77	25	1.327	0.01	0.192	0.255
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	22.85	24	1.303	-0.01	0.163	0.212
	LTE Band 71_Ant 0	20M	QPSK	1	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	23.77	25	1.327	-0.06	0.068	0.090
	LTE Band 71_Ant 0	20M	QPSK	50	0	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	22.85	24	1.303	-0.04	0.058	0.076
09	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	23.77	25	1.327	-0.07	0.197	0.261
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	133297	680.5	22.85	24	1.303	-0.09	0.180	0.235
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	133297	680.5	23.77	25	1.327	-0.17	0.191	0.254
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	133297	680.5	23.77	25	1.327	-0.1	0.186	0.247
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	Numeric	133297	680.5	23.77	25	1.327	0.18	0.196	0.260
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	133297	680.5	23.77	25	1.327	-0.17	0.179	0.238
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	53keys	133297	680.5	23.77	25	1.327	-0.04	0.169	0.224
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	10mm	Ant 0	S0803FR	DSI 1	42keys	133297	680.5	23.77	25	1.327	-0.05	0.192	0.255



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	23.78	25	1.324	62.9	1.006	0.14	0.170	0.226
	LTE Band 41_Ant 1	20M	QPSK	50	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	22.81	24	1.315	62.9	1.006	0.03	0.144	0.191
	LTE Band 41_Ant 1	20M	QPSK	1	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	23.78	25	1.324	62.9	1.006	0.1	0.110	0.147
	LTE Band 41_Ant 1	20M	QPSK	50	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	22.81	24	1.315	62.9	1.006	0.16	0.093	0.123
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	23.78	25	1.324	62.9	1.006	0.03	0.521	0.694
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	39750	2506	23.35	25	1.462	62.9	1.006	0.02	0.470	0.691
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40185	2549.5	23.45	25	1.429	62.9	1.006	-0.16	0.469	0.674
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41055	2636.5	23.72	25	1.343	62.9	1.006	0.05	0.467	0.631
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41490	2680	23.49	25	1.416	62.9	1.006	-0.03	0.460	0.655
	LTE Band 41_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	22.81	24	1.315	62.9	1.006	0.17	0.458	0.606
	LTE Band 41_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	39750	2506	22.44	24	1.432	62.9	1.006	0.01	0.411	0.592
	LTE Band 41_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40185	2549.5	22.46	24	1.426	62.9	1.006	0.03	0.395	0.566
	LTE Band 41_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41055	2636.5	22.78	24	1.324	62.9	1.006	-0.08	0.402	0.536
	LTE Band 41_Ant 1	20M	QPSK	50	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41490	2680	22.5	24	1.413	62.9	1.006	-0.08	0.366	0.520
	LTE Band 41_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	23.78	25	1.324	62.9	1.006	-0.15	0.515	0.686
	LTE Band 41_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	39750	2506	23.35	25	1.462	62.9	1.006	-0.18	0.395	0.581
	LTE Band 41_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40185	2549.5	23.45	25	1.429	62.9	1.006	0.1	0.441	0.634
	LTE Band 41_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41055	2636.5	23.72	25	1.343	62.9	1.006	0.12	0.398	0.538
	LTE Band 41_Ant 1	20M	QPSK	1	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41490	2680	23.49	25	1.416	62.9	1.006	0.08	0.405	0.577
	LTE Band 41_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	22.81	24	1.315	62.9	1.006	0.16	0.503	0.666
	LTE Band 41_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	39750	2506	22.44	24	1.432	62.9	1.006	-0.03	0.439	0.633
	LTE Band 41_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40185	2549.5	22.46	24	1.426	62.9	1.006	0.14	0.395	0.566
	LTE Band 41_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41055	2636.5	22.78	24	1.324	62.9	1.006	0.11	0.406	0.541
	LTE Band 41_Ant 1	20M	QPSK	50	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41490	2680	22.5	24	1.413	62.9	1.006	-0.05	0.444	0.631
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	40620	2593	23.78	25	1.324	62.9	1.006	0.05	0.304	0.405
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	40620	2593	23.78	25	1.324	62.9	1.006	-0.06	0.296	0.394
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	40620	2593	23.78	25	1.324	62.9	1.006	-0.13	0.311	0.414
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	40620	2593	23.78	25	1.324	62.9	1.006	-0.01	0.284	0.378
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	40620	2593	23.78	25	1.324	62.9	1.006	-0.11	0.268	0.357
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	40620	2593	23.78	25	1.324	62.9	1.006	0.19	0.305	0.406
10	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620	2593	26.73	27.5	1.194	42.9	1.009	-0.14	0.633	0.763
	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	39750	2506	26.31	27.5	1.315	42.9	1.009	0.14	0.511	0.678
	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40185	2549.5	26.38	27.5	1.294	42.9	1.009	-0.17	0.467	0.610
	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41055	2636.5	26.68	27.5	1.208	42.9	1.009	0.17	0.491	0.598
	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	41490	2680	26.42	27.5	1.282	42.9	1.009	-0.05	0.506	0.655
	LTE Band 38C_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	37850+38048	2580	23.61	25	1.377	62.9	1.006	0.05	0.489	0.677
	LTE Band 41C_Ant 1	20M	QPSK	1	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	40620+40422	2593	23.63	25	1.371	62.9	1.006	0.02	0.511	0.705
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	21.23	21.7	1.114	62.9	1.006	-0.05	0.245	0.275
	LTE Band 42_Ant 6	20M	QPSK	50	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	20.24	20.7	1.112	62.9	1.006	0.01	0.201	0.225
	LTE Band 42_Ant 6	20M	QPSK	1	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	21.23	21.7	1.114	62.9	1.006	0.1	0.099	0.111
	LTE Band 42_Ant 6	20M	QPSK	50	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	20.24	20.7	1.112	62.9	1.006	-0.17	0.081	0.091
11	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	21.23	21.7	1.114	62.9	1.006	0.03	0.474	0.531
	LTE Band 42_Ant 6	20M	QPSK	50	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	20.24	20.7	1.112	62.9	1.006	0.04	0.407	0.455
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	42590	3500	21.23	21.7	1.114	62.9	1.006	-0.18	0.394	0.442
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	42590	3500	21.23	21.7	1.114	62.9	1.006	-0.06	0.409	0.458
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	42590	3500	21.23	21.7	1.114	62.9	1.006	0.02	0.401	0.450
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	42590	3500	21.23	21.7	1.114	62.9	1.006	0.16	0.409	0.458
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	42590	3500	21.23	21.7	1.114	62.9	1.006	0.01	0.443	0.497
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	42590	3500	21.23	21.7	1.114	62.9	1.006	-0.04	0.398	0.446
	LTE Band 42_HPUE_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	42590	3500	23.34	23.8	1.112	42.9	1.009	0.13	0.473	0.531



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	44090	3650	22.05	22.5	1.109	62.9	1.006	-0.04	0.305	0.340
	LTE Band 43_Ant 6	20M	QPSK	50	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	44090	3650	20.99	21.5	1.125	62.9	1.006	-0.08	0.290	0.328
	LTE Band 43_Ant 6	20M	QPSK	1	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	44090	3650	22.05	22.5	1.109	62.9	1.006	0.17	0.134	0.150
	LTE Band 43_Ant 6	20M	QPSK	50	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	44090	3650	20.99	21.5	1.125	62.9	1.006	0.18	0.128	0.145
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	44090	3650	22.05	22.5	1.109	62.9	1.006	0.01	0.457	0.510
	LTE Band 43_Ant 6	20M	QPSK	50	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	44090	3650	20.99	21.5	1.125	62.9	1.006	-0.04	0.435	0.492
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	44090	3650	22.05	22.5	1.109	62.9	1.006	0.12	0.361	0.403
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	44090	3650	22.05	22.5	1.109	62.9	1.006	0.03	0.375	0.418
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	44090	3650	22.05	22.5	1.109	62.9	1.006	0.18	0.368	0.411
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	44090	3650	22.05	22.5	1.109	62.9	1.006	0.16	0.375	0.418
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	44090	3650	22.05	22.5	1.109	62.9	1.006	-0.1	0.407	0.454
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	44090	3650	22.05	22.5	1.109	62.9	1.006	0.07	0.365	0.407
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	45090	3750	22.1	22.5	1.096	62.9	1.006	-0.15	0.285	0.314
	LTE Band 43_Ant 6	20M	QPSK	50	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	45090	3750	21.07	21.5	1.104	62.9	1.006	0.11	0.271	0.301
	LTE Band 43_Ant 6	20M	QPSK	1	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	45090	3750	22.1	22.5	1.096	62.9	1.006	-0.08	0.169	0.186
	LTE Band 43_Ant 6	20M	QPSK	50	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	45090	3750	21.07	21.5	1.104	62.9	1.006	-0.17	0.161	0.179
12	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	45090	3750	22.1	22.5	1.096	62.9	1.006	0.08	0.506	0.558
	LTE Band 43_Ant 6	20M	QPSK	50	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	45090	3750	21.07	21.5	1.104	62.9	1.006	-0.08	0.481	0.534
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	45090	3750	22.1	22.5	1.096	62.9	1.006	0.18	0.420	0.463
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	45090	3750	22.1	22.5	1.096	62.9	1.006	-0.1	0.437	0.482
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	45090	3750	22.1	22.5	1.096	62.9	1.006	0.01	0.428	0.472
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	45090	3750	22.1	22.5	1.096	62.9	1.006	-0.15	0.437	0.482
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	45090	3750	22.1	22.5	1.096	62.9	1.006	0.19	0.473	0.522
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	45090	3750	22.1	22.5	1.096	62.9	1.006	0.07	0.424	0.468
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55340	3560	21.87	22.2	1.079	62.9	1.006	-0.03	0.184	0.200
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55340	3560	20.89	21.2	1.074	62.9	1.006	0.08	0.174	0.188
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55340	3560	21.87	22.2	1.079	62.9	1.006	-0.07	0.097	0.105
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55340	3560	20.89	21.2	1.074	62.9	1.006	0.05	0.092	0.099
13	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55340	3560	21.87	22.2	1.079	62.9	1.006	0.13	0.491	0.533
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55340	3560	20.89	21.2	1.074	62.9	1.006	-0.11	0.450	0.486
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	55340	3560	21.87	22.2	1.079	62.9	1.006	-0.17	0.478	0.519
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	55340	3560	21.87	22.2	1.079	62.9	1.006	-0.08	0.464	0.504
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	55340	3560	21.87	22.2	1.079	62.9	1.006	-0.04	0.488	0.530
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	55340	3560	21.87	22.2	1.079	62.9	1.006	-0.08	0.446	0.484
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	55340	3560	21.87	22.2	1.079	62.9	1.006	0.17	0.420	0.456
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	55340	3560	21.87	22.2	1.079	62.9	1.006	0.18	0.478	0.519
	LTE Band 48C_Ant 6	20M	QPSK	1	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	55830+55632	3641	21.55	22.2	1.161	62.9	1.006	0.02	0.446	0.521



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.25	23.6	1.084	0.07	0.169	0.183
	FR1 n7_Ant 1	40M	BPSK	108	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.01	23.6	1.146	-0.12	0.160	0.183
	FR1 n7_Ant 1	40M	BPSK	1	1	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.25	23.6	1.084	-0.03	0.160	0.173
	FR1 n7_Ant 1	40M	BPSK	108	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.01	23.6	1.146	0.02	0.152	0.174
14	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.25	23.6	1.084	-0.13	0.571	0.619
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.01	23.6	1.146	0.12	0.506	0.580
	FR1 n7_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.25	23.6	1.084	0.02	0.565	0.612
	FR1 n7_Ant 1	40M	BPSK	108	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	507000	2535	23.01	23.6	1.146	-0.03	0.532	0.609
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	507000	2535	23.25	23.6	1.084	-0.03	0.474	0.514
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	507000	2535	23.25	23.6	1.084	0.08	0.493	0.534
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	507000	2535	23.25	23.6	1.084	-0.07	0.484	0.525
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	507000	2535	23.25	23.6	1.084	0.05	0.493	0.534
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	507000	2535	23.25	23.6	1.084	-0.11	0.534	0.579
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	507000	2535	23.25	23.6	1.084	-0.12	0.479	0.519
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.47	25	1.130	-0.13	0.102	0.115
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.24	25	1.191	0.12	0.086	0.102
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.47	25	1.130	-0.11	0.178	0.201
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.24	25	1.191	0.17	0.151	0.180
	FR1 n12_Ant 0	15M	BPSK	1	1	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.47	25	1.130	-0.16	0.086	0.097
	FR1 n12_Ant 0	15M	BPSK	36	22	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.24	25	1.191	-0.17	0.073	0.087
15	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.47	25	1.130	0.01	0.189	0.214
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	141500	707.5	24.24	25	1.191	0.11	0.161	0.192
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	141500	707.5	24.47	25	1.130	0.08	0.157	0.177
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	141500	707.5	24.47	25	1.130	0.01	0.163	0.184
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	141500	707.5	24.47	25	1.130	0.03	0.160	0.181
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	141500	707.5	24.47	25	1.130	-0.08	0.163	0.184
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	141500	707.5	24.47	25	1.130	-0.08	0.177	0.200
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	141500	707.5	24.47	25	1.130	0.1	0.159	0.180
	FR1 n13_Ant 0	10M	BPSK	1	1	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.81	25	1.315	-0.05	0.166	0.218
	FR1 n13_Ant 0	10M	BPSK	25	14	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.65	25	1.365	-0.01	0.142	0.194
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.81	25	1.315	-0.14	0.214	0.281
	FR1 n13_Ant 0	10M	BPSK	25	14	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.65	25	1.365	-0.15	0.181	0.247
	FR1 n13_Ant 0	10M	BPSK	1	1	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.81	25	1.315	-0.12	0.144	0.189
	FR1 n13_Ant 0	10M	BPSK	25	14	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.65	25	1.365	-0.17	0.122	0.166
16	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.81	25	1.315	0.06	0.323	0.425
	FR1 n13_Ant 0	10M	BPSK	25	14	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	156400	782	23.65	25	1.365	0.08	0.274	0.374
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	156400	782	23.81	25	1.315	-0.18	0.314	0.413
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	156400	782	23.81	25	1.315	0.1	0.305	0.401
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	156400	782	23.81	25	1.315	0.12	0.321	0.422
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	156400	782	23.81	25	1.315	0.08	0.293	0.385
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	156400	782	23.81	25	1.315	-0.17	0.277	0.364
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	156400	782	23.81	25	1.315	-0.03	0.314	0.413



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	24.08	25	1.236	-0.15	0.180	0.222
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	23.91	25	1.285	0.11	0.152	0.195
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	24.08	25	1.236	-0.02	0.232	0.287
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	23.91	25	1.285	0.1	0.198	0.254
	FR1 n14_Ant 0	10M	BPSK	1	1	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	24.08	25	1.236	0.04	0.139	0.172
	FR1 n14_Ant 0	10M	BPSK	25	14	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	23.91	25	1.285	0.13	0.118	0.152
17	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	24.08	25	1.236	0.02	0.360	0.445
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	158600	793	23.91	25	1.285	-0.18	0.306	0.393
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	158600	793	24.08	25	1.236	-0.11	0.350	0.433
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	158600	793	24.08	25	1.236	-0.16	0.340	0.420
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	158600	793	24.08	25	1.236	-0.15	0.358	0.442
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	158600	793	24.08	25	1.236	-0.06	0.327	0.404
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	158600	793	24.08	25	1.236	-0.14	0.308	0.381
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	158600	793	24.08	25	1.236	-0.19	0.350	0.433
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.78	25	1.324	-0.02	0.246	0.326
	FR1 n25_Ant 1	40M	BPSK	108	54	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.77	25	1.327	0.1	0.209	0.277
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.78	25	1.324	0.04	0.164	0.217
	FR1 n25_Ant 1	40M	BPSK	108	54	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.77	25	1.327	0.13	0.139	0.185
	FR1 n25_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.78	25	1.324	-0.18	0.313	0.415
	FR1 n25_Ant 1	40M	BPSK	108	54	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.77	25	1.327	-0.11	0.266	0.353
18	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.78	25	1.324	0	0.441	0.584
	FR1 n25_Ant 1	40M	BPSK	108	54	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	376500	1882.5	23.77	25	1.327	-0.16	0.375	0.498
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	376500	1882.5	23.78	25	1.324	0.08	0.429	0.568
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	376500	1882.5	23.78	25	1.324	0.01	0.417	0.552
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	376500	1882.5	23.78	25	1.324	0.03	0.438	0.580
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	376500	1882.5	23.78	25	1.324	-0.08	0.400	0.530
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	376500	1882.5	23.78	25	1.324	-0.08	0.378	0.501
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	376500	1882.5	23.78	25	1.324	0.1	0.429	0.568
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.46	25	1.132	0.01	0.192	0.217
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.42	25	1.143	0.02	0.163	0.186
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.46	25	1.132	-0.11	0.342	0.387
	FR1 n26_Ant 0	20M	BPSK	50	28	Back	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.42	25	1.143	-0.01	0.291	0.333
	FR1 n26_Ant 0	20M	BPSK	1	1	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.46	25	1.132	0.09	0.219	0.248
	FR1 n26_Ant 0	20M	BPSK	50	28	Top Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.42	25	1.143	0.1	0.186	0.213
19	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.46	25	1.132	0.04	0.379	0.429
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	10mm	Ant 0	S0803FR	DSI 1	AlphaNumeric	166300	831.5	24.42	25	1.143	-0.04	0.322	0.368
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0703	DSI 1	AlphaNumeric	166300	831.5	24.46	25	1.132	-0.18	0.368	0.417
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803	DSI 1	AlphaNumeric	166300	831.5	24.46	25	1.132	0.1	0.358	0.405
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Numeric	166300	831.5	24.46	25	1.132	0.12	0.377	0.427
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	Large Numeric	166300	831.5	24.46	25	1.132	0.08	0.344	0.390
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	53keys	166300	831.5	24.46	25	1.132	-0.17	0.325	0.368
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DSI 1	42keys	166300	831.5	24.46	25	1.132	-0.03	0.369	0.418



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.72	25	1.343	-0.08	0.164	0.220
	FR1 n30_Ant 1	10M	BPSK	25	14	Front	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.55	25	1.396	-0.08	0.139	0.194
	FR1 n30_Ant 1	10M	BPSK	1	1	Back	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.72	25	1.343	-0.13	0.127	0.171
	FR1 n30_Ant 1	10M	BPSK	25	14	Back	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.55	25	1.396	0.01	0.108	0.151
20	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.72	25	1.343	-0.04	0.335	0.450
	FR1 n30_Ant 1	10M	BPSK	25	14	Top Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.55	25	1.396	-0.11	0.284	0.397
	FR1 n30_Ant 1	10M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.72	25	1.343	0.03	0.304	0.408
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	462000	2310	23.55	25	1.396	-0.05	0.259	0.362
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0703	DS1 1	AlphaNumeric	462000	2310	23.72	25	1.343	0.17	0.326	0.438
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803	DS1 1	AlphaNumeric	462000	2310	23.72	25	1.343	-0.05	0.317	0.426
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DS1 1	Numeric	462000	2310	23.72	25	1.343	0.01	0.333	0.447
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DS1 1	Large Numeric	462000	2310	23.72	25	1.343	0.1	0.304	0.408
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DS1 1	53keys	462000	2310	23.72	25	1.343	-0.17	0.287	0.385
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DS1 1	42keys	462000	2310	23.72	25	1.343	0.04	0.326	0.438
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.7	25.5	1.202	0.14	0.400	0.481
	FR1 n66_Ant 1	40M	BPSK	108	54	Front	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.52	25.5	1.253	-0.01	0.339	0.425
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.7	25.5	1.202	-0.12	0.317	0.381
	FR1 n66_Ant 1	40M	BPSK	108	54	Back	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.52	25.5	1.253	0.07	0.270	0.338
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.7	25.5	1.202	0.09	0.463	0.557
	FR1 n66_Ant 1	40M	BPSK	108	54	Top Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.52	25.5	1.253	0.04	0.394	0.494
21	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.7	25.5	1.202	-0.12	0.544	0.654
	FR1 n66_Ant 1	40M	BPSK	108	54	Right Edge	10mm	Ant 1	S0803FR	DS1 1	AlphaNumeric	349000	1745	24.52	25.5	1.253	0.11	0.462	0.579
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0703	DS1 1	AlphaNumeric	349000	1745	24.7	25.5	1.202	-0.01	0.529	0.636
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803	DS1 1	AlphaNumeric	349000	1745	24.7	25.5	1.202	-0.08	0.514	0.618
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DS1 1	Numeric	349000	1745	24.7	25.5	1.202	0.05	0.541	0.650
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DS1 1	Large Numeric	349000	1745	24.7	25.5	1.202	0.06	0.494	0.594
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DS1 1	53keys	349000	1745	24.7	25.5	1.202	-0.09	0.466	0.560
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DS1 1	42keys	349000	1745	24.7	25.5	1.202	-0.08	0.530	0.637
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.16	25	1.213	-0.04	0.077	0.093
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.1	25	1.230	-0.09	0.066	0.081
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.16	25	1.213	0.18	0.168	0.204
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.1	25	1.230	0.11	0.143	0.176
	FR1 n71_Ant 0	20M	BPSK	1	1	Top Edge	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.16	25	1.213	0.07	0.056	0.068
	FR1 n71_Ant 0	20M	BPSK	50	28	Top Edge	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.1	25	1.230	-0.03	0.047	0.058
22	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.16	25	1.213	-0.02	0.171	0.207
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Edge	10mm	Ant 0	S0803FR	DS1 1	AlphaNumeric	136100	680.5	24.1	25	1.230	0.09	0.145	0.178
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0703	DS1 1	AlphaNumeric	136100	680.5	24.16	25	1.213	0.13	0.166	0.201
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803	DS1 1	AlphaNumeric	136100	680.5	24.16	25	1.213	0.12	0.162	0.197
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DS1 1	Numeric	136100	680.5	24.16	25	1.213	0.03	0.170	0.206
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DS1 1	Large Numeric	136100	680.5	24.16	25	1.213	0.18	0.155	0.188
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DS1 1	53keys	136100	680.5	24.16	25	1.213	0.16	0.146	0.177
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	10mm	Ant 0	S0803FR	DS1 1	42keys	136100	680.5	24.16	25	1.213	-0.1	0.166	0.201



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.14	23.2	1.014	0	0.142	0.144
	FR1 n41_Ant 1	100M	BPSK	135	0	Front	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.05	23.2	1.035	-0.1	0.120	0.124
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.14	23.2	1.014	0.05	0.097	0.098
	FR1 n41_Ant 1	100M	BPSK	135	0	Back	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.05	23.2	1.035	0	0.082	0.085
23	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.14	23.2	1.014	0.04	0.745	0.755
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.05	23.2	1.035	0.07	0.688	0.712
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.14	23.2	1.014	0.15	0.652	0.661
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.05	23.2	1.035	-0.05	0.638	0.660
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0703	DSI 1	AlphaNumeric	518598	2592.99	23.14	23.2	1.014	0.07	0.681	0.690
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803	DSI 1	AlphaNumeric	518598	2592.99	23.14	23.2	1.014	0.18	0.659	0.668
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Numeric	518598	2592.99	23.14	23.2	1.014	-0.1	0.644	0.653
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	Large Numeric	518598	2592.99	23.14	23.2	1.014	0.01	0.673	0.682
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	53keys	518598	2592.99	23.14	23.2	1.014	-0.15	0.651	0.660
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	42keys	518598	2592.99	23.14	23.2	1.014	0.19	0.638	0.647
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Top Edge	10mm	Ant 1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	26.14	26.3	1.038	0.01	0.721	0.748
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Front	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	0.03	0.262	0.269
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Front	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	0.03	0.209	0.230
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Front	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.19	20.5	1.074	0.01	0.187	0.201
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Front	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	19.9	20.5	1.148	0.01	0.149	0.171
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	0.02	0.140	0.144
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	0.02	0.119	0.131
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Back	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.19	20.5	1.074	0.01	0.125	0.134
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Back	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	19.9	20.5	1.148	0.01	0.104	0.119
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Top Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	0.02	0.397	0.407
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Top Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	0.02	0.234	0.258
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Top Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.19	20.5	1.074	0.01	0.333	0.358
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Top Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	19.9	20.5	1.148	0.01	0.225	0.258
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Right Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	0.06	0.233	0.239
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Right Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	0.06	0.001	0.001
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Right Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.19	20.5	1.074	-0.02	0.193	0.207
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Right Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	19.9	20.5	1.148	-0.02	0.001	0.001
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	0.04	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	0.04	0.456	0.502
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	20.19	20.5	1.074	0.02	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	19.9	20.5	1.148	0.02	0.432	0.496
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0703	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	-0.18	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0703	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	-0.18	0.382	0.421
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803	DSI 1	AlphaNumeric	518598	2592.99	20.39	20.5	1.026	0.1	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803	DSI 1	AlphaNumeric	518598	2592.99	20.08	20.5	1.102	0.1	0.402	0.443
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	Numeric	518598	2592.99	20.39	20.5	1.026	0.12	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	Numeric	518598	2592.99	20.08	20.5	1.102	0.12	0.402	0.443
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	Large Numeric	518598	2592.99	20.39	20.5	1.026	0.08	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	Large Numeric	518598	2592.99	20.08	20.5	1.102	0.08	0.382	0.421
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	53keys	518598	2592.99	20.39	20.5	1.026	-0.17	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	53keys	518598	2592.99	20.08	20.5	1.102	-0.17	0.412	0.454
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	42keys	518598	2592.99	20.39	20.5	1.026	-0.03	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	42keys	518598	2592.99	20.08	20.5	1.102	-0.03	0.402	0.443
	FR1 n41_HPUE_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	23.19	23.5	1.074	0.06	0.001	0.001
	FR1 n41_HPUE_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	10mm	Ant 2+1	S0803FR	DSI 1	AlphaNumeric	518598	2592.99	22.94	23.5	1.138	0.06	0.423	0.481



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 3	40M	BPSK	1	1	Front	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.82	20.3	1.117	-0.09	0.098	0.109
	FR1 n48_Ant 3	40M	BPSK	50	0	Front	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.77	20.3	1.130	0.11	0.100	0.113
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.82	20.3	1.117	-0.05	0.237	0.265
	FR1 n48_Ant 3	40M	BPSK	50	0	Back	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.77	20.3	1.130	-0.08	0.224	0.253
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.82	20.3	1.117	0.16	0.449	0.501
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.77	20.3	1.130	0.07	0.461	0.521
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0703	DSI 1	AlphaNumeric	641666	3624.99	19.77	20.3	1.130	0.02	0.378	0.427
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0803	DSI 1	AlphaNumeric	641666	3624.99	19.77	20.3	1.130	0.07	0.231	0.261
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	Numeric	641666	3624.99	19.77	20.3	1.130	0.16	0.358	0.404
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	Large Numeric	641666	3624.99	19.77	20.3	1.130	0.13	0.331	0.374
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	53keys	641666	3624.99	19.77	20.3	1.130	-0.18	0.319	0.360
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	42keys	641666	3624.99	19.77	20.3	1.130	0.02	0.309	0.349
	FR1 n48_Ant 4	40M	BPSK	1	1	Front	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	18.8	19.5	1.175	0.16	0.100	0.117
	FR1 n48_Ant 4	40M	BPSK	50	0	Front	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	18.58	19.5	1.236	-0.03	0.092	0.114
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	18.8	19.5	1.175	0.07	0.197	0.231
	FR1 n48_Ant 4	40M	BPSK	50	0	Back	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	18.58	19.5	1.236	0	0.193	0.239
24	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	18.8	19.5	1.175	-0.02	0.593	0.697
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	638000	3570	18.62	19.5	1.225	0.01	0.547	0.670
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	645332	3679.98	18.65	19.5	1.216	-0.01	0.481	0.585
	FR1 n48_Ant 4	40M	BPSK	50	0	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	18.58	19.5	1.236	-0.06	0.479	0.592
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0703	DSI 1	AlphaNumeric	641666	3624.99	18.8	19.5	1.175	0.03	0.499	0.586
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803	DSI 1	AlphaNumeric	641666	3624.99	18.8	19.5	1.175	-0.16	0.306	0.360
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	Numeric	641666	3624.99	18.8	19.5	1.175	-0.02	0.473	0.556
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	Large Numeric	641666	3624.99	18.8	19.5	1.175	0.15	0.437	0.513
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	53keys	641666	3624.99	18.8	19.5	1.175	-0.09	0.421	0.495
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	42keys	641666	3624.99	18.8	19.5	1.175	0.11	0.408	0.479
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.18	20.4	1.052	-0.18	0.126	0.133
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.67	20.4	1.183	-0.18	0.193	0.228
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	0	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.3	20.4	1.288	0.02	0.110	0.142
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	0	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.02	20.4	1.374	0.02	0.168	0.231
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.18	20.4	1.052	0.18	0.139	0.146
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.67	20.4	1.183	0.18	0.087	0.103
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	0	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.3	20.4	1.288	0.09	0.131	0.169
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	0	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.02	20.4	1.374	0.09	0.082	0.113
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.18	20.4	1.052	-0.09	0.485	0.510
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.67	20.4	1.183	-0.09	0.370	0.438
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.3	20.4	1.288	0.02	0.380	0.490
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	19.02	20.4	1.374	0.02	0.312	0.429
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0703	DSI 1	AlphaNumeric	641666	3624.99	20.18	20.4	1.052	0.07	0.360	0.379
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0703	DSI 1	AlphaNumeric	641666	3624.99	19.67	20.4	1.183	0.07	0.296	0.350
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803	DSI 1	AlphaNumeric	641666	3624.99	20.18	20.4	1.052	-0.18	0.332	0.349
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803	DSI 1	AlphaNumeric	641666	3624.99	19.67	20.4	1.183	-0.18	0.272	0.322
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Numeric	641666	3624.99	20.18	20.4	1.052	0.03	0.377	0.397
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Numeric	641666	3624.99	19.67	20.4	1.183	0.03	0.309	0.366
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Large Numeric	641666	3624.99	20.18	20.4	1.052	-0.15	0.350	0.368
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Large Numeric	641666	3624.99	19.67	20.4	1.183	-0.15	0.287	0.340
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	53keys	641666	3624.99	20.18	20.4	1.052	-0.15	0.366	0.385
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	53keys	641666	3624.99	19.67	20.4	1.183	-0.15	0.301	0.356
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	42keys	641666	3624.99	20.18	20.4	1.052	0.11	0.319	0.336
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	42keys	641666	3624.99	19.67	20.4	1.183	0.11	0.262	0.310
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.37	20.8	1.104	-0.08	0.206	0.227
	FR1 n48_Ant 6	40M	BPSK	50	28	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.19	20.8	1.151	-0.08	0.186	0.214



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	FR1 n48_Ant 6	40M	BPSK	1	1	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.37	20.8	1.104	0.1	0.099	0.109
	FR1 n48_Ant 6	40M	BPSK	50	28	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.19	20.8	1.151	-0.18	0.095	0.109
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.37	20.8	1.104	0.06	0.470	0.519
	FR1 n48_Ant 6	40M	BPSK	50	28	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	641666	3624.99	20.19	20.8	1.151	0.08	0.382	0.440
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	641666	3624.99	20.37	20.8	1.104	0.14	0.460	0.508
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	641666	3624.99	20.37	20.8	1.104	0.11	0.423	0.467
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	641666	3624.99	20.37	20.8	1.104	-0.05	0.461	0.509
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	641666	3624.99	20.37	20.8	1.104	0.18	0.446	0.492
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	641666	3624.99	20.37	20.8	1.104	0.14	0.467	0.516
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	641666	3624.99	20.37	20.8	1.104	-0.17	0.445	0.491
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.54	17.7	1.038	0.06	0.076	0.079
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.35	17.7	1.084	-0.06	0.056	0.061
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.54	17.7	1.038	-0.15	0.114	0.118
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.35	17.7	1.084	-0.12	0.095	0.103
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.54	17.7	1.038	-0.07	0.258	0.268
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.35	17.7	1.084	-0.16	0.227	0.246
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0703	DSI 1	AlphaNumeric	656000	3840	17.54	17.7	1.038	-0.08	0.191	0.198
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803	DSI 1	AlphaNumeric	656000	3840	17.54	17.7	1.038	-0.17	0.117	0.121
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	Numeric	656000	3840	17.54	17.7	1.038	-0.08	0.181	0.188
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	Large Numeric	656000	3840	17.54	17.7	1.038	-0.04	0.167	0.173
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	53keys	656000	3840	17.54	17.7	1.038	-0.08	0.161	0.167
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	42keys	656000	3840	17.54	17.7	1.038	0.17	0.156	0.162
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	656000	3840	20.44	20.6	1.038	0.02	0.240	0.249
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	17.43	17.7	1.064	-0.03	0.113	0.120
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	17.19	17.7	1.125	0.17	0.081	0.091
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	17.43	17.7	1.064	0.02	0.215	0.229
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	17.19	17.7	1.125	0	0.190	0.214
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	17.43	17.7	1.064	-0.03	0.499	0.531
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	17.19	17.7	1.125	0.18	0.454	0.511
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0703	DSI 1	AlphaNumeric	633332	3499.98	17.43	17.7	1.064	0.18	0.382	0.407
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803	DSI 1	AlphaNumeric	633332	3499.98	17.43	17.7	1.064	-0.04	0.234	0.249
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	Numeric	633332	3499.98	17.43	17.7	1.064	-0.08	0.362	0.385
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	Large Numeric	633332	3499.98	17.43	17.7	1.064	-0.13	0.334	0.355
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	53keys	633332	3499.98	17.43	17.7	1.064	-0.13	0.323	0.344
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	42keys	633332	3499.98	17.43	17.7	1.064	0.06	0.312	0.332
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Left Edge	10mm	Ant 3	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	20.5	20.6	1.023	-0.11	0.488	0.499
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.23	18.7	1.114	0.17	0.117	0.130
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.11	18.7	1.146	0.11	0.092	0.105
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.23	18.7	1.114	0.07	0.171	0.191
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.11	18.7	1.146	-0.04	0.159	0.182
25	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.23	18.7	1.114	0.02	0.598	0.666
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.11	18.7	1.146	-0.18	0.542	0.621
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0703	DSI 1	AlphaNumeric	656000	3840	18.23	18.7	1.114	-0.13	0.503	0.560
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803	DSI 1	AlphaNumeric	656000	3840	18.23	18.7	1.114	-0.13	0.308	0.343
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	Numeric	656000	3840	18.23	18.7	1.114	0	0.477	0.532
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	Large Numeric	656000	3840	18.23	18.7	1.114	-0.04	0.440	0.490
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	53keys	656000	3840	18.23	18.7	1.114	-0.15	0.425	0.474
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	42keys	656000	3840	18.23	18.7	1.114	-0.09	0.411	0.458
	FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	656000	3840	21.23	21.9	1.167	0.05	0.546	0.637
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.54	18.7	1.038	-0.05	0.085	0.088
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.2	18.7	1.122	-0.04	0.051	0.057
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.54	18.7	1.038	0.14	0.087	0.090
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.2	18.7	1.122	0.03	0.104	0.117
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.54	18.7	1.038	-0.07	0.299	0.310
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.2	18.7	1.122	0.16	0.244	0.274
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0703	DSI 1	AlphaNumeric	633332	3499.98	18.54	18.7	1.038	0.01	0.205	0.213



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	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803	DSI 1	AlphaNumeric	633332	3499.98	18.54	18.7	1.038	-0.06	0.126	0.131
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	Numeric	633332	3499.98	18.54	18.7	1.038	0.14	0.195	0.202
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	Large Numeric	633332	3499.98	18.54	18.7	1.038	-0.09	0.180	0.187
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	53keys	633332	3499.98	18.54	18.7	1.038	-0.09	0.174	0.181
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	42keys	633332	3499.98	18.54	18.7	1.038	-0.12	0.168	0.174
	FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Right Edge	10mm	Ant 4	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	21.44	21.9	1.112	-0.06	0.252	0.280
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.25	18.4	1.035	0.02	0.100	0.104
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.95	18.4	1.109	0.02	0.160	0.177
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.55	18.4	1.216	0.06	0.098	0.119
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.42	18.4	1.253	0.06	0.150	0.188
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.25	18.4	1.035	0.05	0.180	0.186
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.95	18.4	1.109	0.05	0.092	0.102
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.55	18.4	1.216	0.06	0.170	0.207
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.42	18.4	1.253	0.06	0.080	0.100
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	18.25	18.4	1.035	0.09	0.355	0.367
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.95	18.4	1.109	0.09	0.421	0.467
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.55	18.4	1.216	0.05	0.388	0.472
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	17.51	18.4	1.227	0.05	0.451	0.554
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0703	DSI 1	AlphaNumeric	656000	3840	17.55	18.4	1.216	0.01	0.368	0.448
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0703	DSI 1	AlphaNumeric	656000	3840	17.42	18.4	1.253	0.01	0.428	0.536
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803	DSI 1	AlphaNumeric	656000	3840	17.55	18.4	1.216	-0.02	0.339	0.412
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803	DSI 1	AlphaNumeric	656000	3840	17.42	18.4	1.253	-0.02	0.394	0.494
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Numeric	656000	3840	17.55	18.4	1.216	0.08	0.385	0.468
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Numeric	656000	3840	17.42	18.4	1.253	0.08	0.441	0.553
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Large Numeric	656000	3840	17.55	18.4	1.216	-0.03	0.357	0.434
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Large Numeric	656000	3840	17.42	18.4	1.253	-0.03	0.415	0.520
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	53keys	656000	3840	17.55	18.4	1.216	0.11	0.374	0.455
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	53keys	656000	3840	17.42	18.4	1.253	0.11	0.435	0.545
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	42keys	656000	3840	17.55	18.4	1.216	0.12	0.325	0.395
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	42keys	656000	3840	17.42	18.4	1.253	0.12	0.378	0.474
	FR1 n77_HPUE_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	21.63	21.8	1.040	0.07	0.395	0.411
	FR1 n77_HPUE_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	656000	3840	21.32	21.8	1.117	0.07	0.493	0.551
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.39	18.4	1.002	0.06	0.098	0.098
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.15	18.4	1.059	0.06	0.155	0.164
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.36	18.4	1.009	0.11	0.100	0.101
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Front	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.12	18.4	1.067	0.11	0.158	0.169
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.39	18.4	1.002	0.04	0.128	0.128
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.15	18.4	1.059	0.04	0.066	0.070
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.36	18.4	1.009	0.12	0.129	0.130
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Back	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.12	18.4	1.067	0.12	0.067	0.071
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.39	18.4	1.002	-0.04	0.434	0.435
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.15	18.4	1.059	-0.04	0.373	0.395
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.36	18.4	1.009	0.07	0.399	0.403
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	18.12	18.4	1.067	0.07	0.332	0.354
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0703	DSI 1	AlphaNumeric	633332	3499.98	18.39	18.4	1.002	0.02	0.378	0.379
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0703	DSI 1	AlphaNumeric	633332	3499.98	18.15	18.4	1.059	0.02	0.305	0.323
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803	DSI 1	AlphaNumeric	633332	3499.98	18.39	18.4	1.002	0.05	0.348	0.349
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803	DSI 1	AlphaNumeric	633332	3499.98	18.15	18.4	1.059	0.05	0.281	0.298
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Numeric	633332	3499.98	18.39	18.4	1.002	-0.03	0.396	0.397
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Numeric	633332	3499.98	18.15	18.4	1.059	-0.03	0.319	0.338
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Large Numeric	633332	3499.98	18.39	18.4	1.002	0.11	0.367	0.368
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	Large Numeric	633332	3499.98	18.15	18.4	1.059	0.11	0.296	0.314
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	53keys	633332	3499.98	18.39	18.4	1.002	0.06	0.384	0.385
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	53keys	633332	3499.98	18.15	18.4	1.059	0.06	0.310	0.328
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	42keys	633332	3499.98	18.39	18.4	1.002	0.12	0.335	0.336
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	42keys	633332	3499.98	18.15	18.4	1.059	0.12	0.270	0.286



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	FR1 n77_HPUE_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	21.79	21.8	1.002	0.06	0.350	0.351
	FR1 n77_HPUE_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	10mm	Ant 5+6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	21.62	21.8	1.042	0.06	0.310	0.323
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	19.42	19.6	1.042	0.14	0.235	0.245
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	19.33	19.6	1.064	0.11	0.264	0.281
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	19.42	19.6	1.042	-0.05	0.172	0.179
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	19.33	19.6	1.064	0.18	0.211	0.225
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	19.42	19.6	1.042	-0.08	0.520	0.542
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	19.33	19.6	1.064	0.14	0.476	0.507
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	656000	3840	19.42	19.6	1.042	-0.17	0.395	0.412
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	656000	3840	19.42	19.6	1.042	0.17	0.411	0.428
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	656000	3840	19.42	19.6	1.042	-0.05	0.403	0.420
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	656000	3840	19.42	19.6	1.042	0.01	0.411	0.428
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	656000	3840	19.42	19.6	1.042	0.1	0.445	0.464
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	656000	3840	19.42	19.6	1.042	-0.17	0.399	0.416
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	656000	3840	22.52	22.7	1.042	0.04	0.511	0.533
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	19.49	19.6	1.026	0.08	0.206	0.211
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	19.28	19.6	1.076	0.01	0.203	0.219
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	19.49	19.6	1.026	0.03	0.104	0.107
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	19.28	19.6	1.076	-0.08	0.113	0.122
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	19.49	19.6	1.026	-0.16	0.450	0.462
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	19.28	19.6	1.076	-0.08	0.390	0.420
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0703	DSI 1	AlphaNumeric	633332	3499.98	19.49	19.6	1.026	0.1	0.324	0.332
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803	DSI 1	AlphaNumeric	633332	3499.98	19.49	19.6	1.026	-0.18	0.337	0.346
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Numeric	633332	3499.98	19.49	19.6	1.026	0.1	0.330	0.338
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	Large Numeric	633332	3499.98	19.49	19.6	1.026	0.12	0.337	0.346
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	53keys	633332	3499.98	19.49	19.6	1.026	0.08	0.365	0.374
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	42keys	633332	3499.98	19.49	19.6	1.026	-0.17	0.327	0.335
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	10mm	Ant 6	S0803FR	DSI 1	AlphaNumeric	633332	3499.98	22.59	22.7	1.026	-0.03	0.442	0.453



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.40	16.50	1.288	99	1.010	-0.02	0.063	0.082
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	-0.03	0.081	0.090
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.40	16.50	1.288	99	1.010	0.08	0.072	0.094
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.08	0.114	0.127
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.40	16.50	1.288	99	1.010	0.11	0.085	0.111
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.04	0.167	0.185
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.40	16.50	1.288	99	1.010	-0.13	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	-0.13	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.40	16.50	1.288	99	1.010	0.04	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.04	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0703	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.17	0.162	0.180
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0803	AlphaNumeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	-0.1	0.158	0.175
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0803FR	Numeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.17	0.166	0.184
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0803FR	Large Numeric	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	-0.15	0.152	0.169
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0803FR	53keys	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.18	0.143	0.159
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	10mm	Ant 7+8(8)	S0803FR	42keys	11	2462	DBS/Non-DBS	16.09	16.50	1.099	99	1.010	0.05	0.163	0.181
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	0.03	0.156	0.185
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	11.65	13.50	1.531	99	1.010	0.03	0.091	0.141
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	-0.16	0.100	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	11.65	13.50	1.531	99	1.010	-0.16	0.058	0.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	-0.15	0.489	0.579
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	151	5755	Non-DBS	13.08	13.50	1.102	99	1.010	-0.09	0.525	0.584
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	159	5795	Non-DBS	13.13	13.50	1.089	99	1.010	0.06	0.473	0.520
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	11.65	13.50	1.531	99	1.010	0.15	0.256	0.396
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	-0.1	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	11.65	13.50	1.531	99	1.010	-0.1	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	0.17	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	11.65	13.50	1.531	99	1.010	0.17	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0703	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	0.13	0.485	0.574
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803	AlphaNumeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	-0.02	0.472	0.559
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	Numeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	0	0.486	0.575
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	Large Numeric	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	0.1	0.453	0.536
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	53keys	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	0.13	0.427	0.506
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	42keys	155	5775	Non-DBS	12.81	13.50	1.172	99	1.010	-0.04	0.486	0.575
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	-0.12	0.123	0.147
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	10.04	11.50	1.400	99	1.010	-0.12	0.067	0.095
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	-0.07	0.066	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	10.04	11.50	1.400	99	1.010	-0.07	0.032	0.045
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	0.16	0.242	0.290
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	10.04	11.50	1.400	99	1.010	-0.13	0.151	0.213
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	0.05	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	10.04	11.50	1.400	99	1.010	0.05	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	-0.15	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	10.04	11.50	1.400	99	1.010	-0.15	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0703	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	-0.11	0.235	0.281
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803	AlphaNumeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	0.07	0.229	0.274
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	Numeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	0	0.241	0.289
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	Large Numeric	155	5775	DBS	10.76	11.50	1.186	99	1.010	-0.12	0.220	0.263
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	53keys	155	5775	DBS	10.76	11.50	1.186	99	1.010	0.19	0.207	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	10mm	Ant 7+8(7)	S0803FR	42keys	155	5775	DBS	10.76	11.50	1.186	99	1.010	-0.01	0.236	0.283

**14.2 Body Worn Accessory SAR****<LTE SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
28	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535		19.78	20.60	1.208	-0.17	0.081	0.098
	LTE Band 7_Ant 1	20M	QPSK	50	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535		18.85	19.60	1.189	0.08	0.060	0.071
	LTE Band 7_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535		19.78	20.60	1.208	0.01	0.057	0.069
	LTE Band 7_Ant 1	20M	QPSK	50	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535		18.85	19.60	1.189	0.03	0.047	0.056
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	21100	2535		19.78	20.60	1.208	0.11	0.079	0.095
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	21100	2535		19.78	20.60	1.208	-0.05	0.077	0.093
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	21100	2535		19.78	20.60	1.208	-0.08	0.074	0.089
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	21100	2535		19.78	20.60	1.208	0.16	0.074	0.089
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	21100	2535		19.78	20.60	1.208	0.05	0.069	0.083
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	21100	2535		19.78	20.60	1.208	0.05	0.079	0.095
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	Holster 1	19.78	20.60	1.208	-0.09	0.051	0.062
	LTE Band 7_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	Holster 2	19.78	20.60	1.208	-0.1	0.022	0.027
	LTE Band 7C_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100+20902	2535		19.74	20.6	1.219	-0.17	0.066	0.080
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5		24.02	25.00	1.253	-0.09	0.061	0.076
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5		23.04	24.00	1.247	-0.08	0.043	0.054
29	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5		24.02	25.00	1.253	0.02	0.110	0.138
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5		23.04	24.00	1.247	0.13	0.089	0.111
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	23095	707.5		24.02	25.00	1.253	-0.03	0.107	0.134
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	23095	707.5		24.02	25.00	1.253	-0.15	0.104	0.130
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	23095	707.5		24.02	25.00	1.253	0.02	0.109	0.137
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	23095	707.5		24.02	25.00	1.253	0.07	0.100	0.125
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	23095	707.5		24.02	25.00	1.253	0.16	0.094	0.118
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	23095	707.5		24.02	25.00	1.253	0.13	0.107	0.134
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	Holster 1	24.02	25.00	1.253	-0.02	0.059	0.074
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	Holster 2	24.02	25.00	1.253	0	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782		24.01	25.50	1.409	-0.08	0.095	0.134
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782		23.02	24.50	1.406	0.05	0.080	0.112
30	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782		24.01	25.50	1.409	-0.06	0.137	0.193
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782		23.02	24.50	1.406	0.06	0.100	0.141
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	23230	782		24.01	25.50	1.409	0.08	0.133	0.187
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	23230	782		24.01	25.50	1.409	0.01	0.130	0.183
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	23230	782		24.01	25.50	1.409	0.03	0.136	0.192
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	23230	782		24.01	25.50	1.409	-0.08	0.124	0.175
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	23230	782		24.01	25.50	1.409	-0.08	0.117	0.165
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	23230	782		24.01	25.50	1.409	0.1	0.133	0.187
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	Holster 1	24.01	25.50	1.409	-0.02	0.092	0.130
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	Holster 2	24.01	25.50	1.409	0	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793		23.60	25.00	1.380	-0.17	0.124	0.171
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793		22.60	24.00	1.380	0.04	0.102	0.141
31	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793		23.60	25.00	1.380	-0.02	0.140	0.193
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793		22.60	24.00	1.380	-0.01	0.109	0.150
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	23330	793		23.60	25.00	1.380	-0.18	0.136	0.188
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	23330	793		23.60	25.00	1.380	0.1	0.132	0.182
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	23330	793		23.60	25.00	1.380	0.12	0.139	0.192
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	23330	793		23.60	25.00	1.380	0.08	0.127	0.175
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	23330	793		23.60	25.00	1.380	-0.17	0.120	0.166
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	23330	793		23.60	25.00	1.380	-0.03	0.136	0.188
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	Holster 1	23.60	25.00	1.380	-0.01	0.101	0.139
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	Holster 2	23.60	25.00	1.380	-0.1	0.001	0.001



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880		22.50	23.00	1.122	0.16	0.106	0.119
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880		21.52	22.00	1.117	0.08	0.087	0.097
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880		22.50	23.00	1.122	0.01	0.105	0.118
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880		21.52	22.00	1.117	0.03	0.085	0.095
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	26340	1880		22.50	23.00	1.122	0.14	0.105	0.118
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	26340	1880		22.50	23.00	1.122	0.11	0.102	0.114
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	26340	1880		22.50	23.00	1.122	-0.05	0.101	0.113
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	26340	1880		22.50	23.00	1.122	0.18	0.098	0.110
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	26340	1880		22.50	23.00	1.122	0.14	0.092	0.103
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	26340	1880		22.50	23.00	1.122	-0.17	0.105	0.118
32	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	Holster 1	22.50	23.00	1.122	0.1	0.108	0.121
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	Holster 2	22.50	23.00	1.122	0.11	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5		23.96	24.70	1.186	-0.05	0.106	0.126
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5		23.03	23.70	1.167	0.01	0.092	0.107
33	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5		23.96	24.70	1.186	0.03	0.182	0.216
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5		23.03	23.70	1.167	0.1	0.147	0.172
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	26865	831.5		23.96	24.70	1.186	0.17	0.177	0.210
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	26865	831.5		23.96	24.70	1.186	-0.05	0.172	0.204
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	26865	831.5		23.96	24.70	1.186	0.01	0.181	0.215
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	26865	831.5		23.96	24.70	1.186	0.1	0.165	0.196
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	26865	831.5		23.96	24.70	1.186	-0.17	0.156	0.185
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	26865	831.5		23.96	24.70	1.186	0.04	0.177	0.210
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	Holster 1	23.96	24.70	1.186	0.02	0.133	0.158
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	Holster 2	23.96	24.70	1.186	0.01	0.060	0.071
	LTE Band 5B_Ant 0	10M	QPSK	1	49	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	20475+20574	831.5		23.96	24.7	1.186	0.02	0.180	0.213
34	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310		22.83	23.00	1.040	-0.02	0.135	0.140
	LTE Band 30_Ant 1	10M	QPSK	25	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310		21.89	22.00	1.026	0.11	0.110	0.113
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310		22.83	23.00	1.040	-0.05	0.111	0.115
	LTE Band 30_Ant 1	10M	QPSK	25	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310		21.89	22.00	1.026	0.18	0.097	0.099
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	27710	2310		22.83	23.00	1.040	-0.01	0.094	0.098
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	27710	2310		22.83	23.00	1.040	-0.08	0.092	0.096
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	27710	2310		22.83	23.00	1.040	0.05	0.096	0.100
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	27710	2310		22.83	23.00	1.040	0.06	0.088	0.092
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	27710	2310		22.83	23.00	1.040	-0.09	0.083	0.086
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	27710	2310		22.83	23.00	1.040	-0.08	0.094	0.098
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	Holster 1	22.83	23.00	1.040	-0.17	0.092	0.096
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	Holster 2	22.83	23.00	1.040	0	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745		22.21	22.40	1.045	-0.08	0.102	0.107
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745		21.21	21.40	1.045	0.05	0.078	0.081
35	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745		22.21	22.40	1.045	-0.02	0.125	0.131
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745		21.21	21.40	1.045	0.06	0.097	0.101
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	132322	1745		22.21	22.40	1.045	-0.09	0.122	0.127
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	132322	1745		22.21	22.40	1.045	-0.08	0.118	0.123
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	Numeric	132322	1745		22.21	22.40	1.045	0.13	0.124	0.130
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	132322	1745		22.21	22.40	1.045	0.12	0.113	0.118
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	53keys	132322	1745		22.21	22.40	1.045	0.03	0.107	0.112
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	42keys	132322	1745		22.21	22.40	1.045	0.18	0.122	0.127
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	Holster 1	22.21	22.40	1.045	0.01	0.119	0.124
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	Holster 2	22.21	22.40	1.045	0	0.001	0.001
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322+132124	1745		21.76	22.4	1.159	0.08	0.099	0.115



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5		23.77	25.00	1.327			0.14	0.049	0.065
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5		22.85	24.00	1.303			-0.17	0.036	0.047
36	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5		23.77	25.00	1.327			0	0.076	0.101
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5		22.85	24.00	1.303			0.17	0.061	0.079
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	133297	680.5		23.77	25.00	1.327			0.08	0.074	0.098
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	133297	680.5		23.77	25.00	1.327			0.01	0.072	0.096
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	133297	680.5		23.77	25.00	1.327			0.03	0.074	0.098
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	133297	680.5		23.77	25.00	1.327			-0.08	0.069	0.092
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	133297	680.5		23.77	25.00	1.327			-0.08	0.065	0.086
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	133297	680.5		23.77	25.00	1.327			0.1	0.074	0.098
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	Holster 1	23.77	25.00	1.327			0.04	0.048	0.064
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	Holster 2	23.77	25.00	1.327			0.09	0.001	0.001
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593		22.39	22.90	1.125	62.9	1.006	0.1	0.060	0.068
	LTE Band 41_Ant 1	20M	QPSK	50	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593		21.34	21.90	1.138	62.9	1.006	-0.08	0.050	0.057
	LTE Band 41_Ant 1	20M	QPSK	1	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593		22.39	22.90	1.125	62.9	1.006	-0.08	0.050	0.057
	LTE Band 41_Ant 1	20M	QPSK	50	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593		21.34	21.90	1.138	62.9	1.006	0.1	0.045	0.052
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	40620	2593		22.39	22.90	1.125	62.9	1.006	-0.18	0.058	0.066
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	40620	2593		22.39	22.90	1.125	62.9	1.006	0.1	0.057	0.064
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	40620	2593		22.39	22.90	1.125	62.9	1.006	0.12	0.060	0.068
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	40620	2593		22.39	22.90	1.125	62.9	1.006	0.08	0.054	0.061
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	40620	2593		22.39	22.90	1.125	62.9	1.006	-0.17	0.051	0.058
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	40620	2593		22.39	22.90	1.125	62.9	1.006	-0.03	0.058	0.066
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	Holster 1	22.39	22.90	1.125	62.9	1.006	-0.03	0.064	0.072
	LTE Band 41_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	Holster 2	22.39	22.90	1.125	62.9	1.006	0.19	0.045	0.051
37	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	Holster 1	24.76	25.40	1.159	42.9	1.009	0.11	0.077	0.090
	LTE Band 38C_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	37850+38048	2580		22.15	22.90	1.189	62.9	1.006	-0.09	0.041	0.049
	LTE Band 41C_Ant 1	20M	QPSK	1	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620+40422	2593		22.18	22.90	1.180	62.9	1.006	0.02	0.038	0.045
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500		21.03	22.50	1.403	62.9	1.006	-0.04	0.163	0.230
	LTE Band 42_Ant 6	20M	QPSK	50	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500		20.09	21.50	1.384	62.9	1.006	-0.08	0.130	0.181
	LTE Band 42_Ant 6	20M	QPSK	1	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500		21.03	22.50	1.403	62.9	1.006	0.17	0.059	0.083
	LTE Band 42_Ant 6	20M	QPSK	50	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500		20.09	21.50	1.384	62.9	1.006	0.18	0.084	0.117
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	42590	3500		21.03	22.50	1.403	62.9	1.006	0.14	0.150	0.212
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	42590	3500		21.03	22.50	1.403	62.9	1.006	0.11	0.152	0.215
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	42590	3500		21.03	22.50	1.403	62.9	1.006	-0.05	0.151	0.213
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	42590	3500		21.03	22.50	1.403	62.9	1.006	0.18	0.152	0.215
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	42590	3500		21.03	22.50	1.403	62.9	1.006	0.14	0.159	0.224
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	42590	3500		21.03	22.50	1.403	62.9	1.006	-0.17	0.150	0.212
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	Holster 1	21.03	22.50	1.403	62.9	1.006	-0.17	0.133	0.188
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	Holster 2	21.03	22.50	1.403	62.9	1.006	0.06	0.280	0.395
38	LTE Band 42_HPUE_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	Holster 2	24.10	25.20	1.288	42.9	1.009	0.03	0.393	0.511



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650		22.99	23.70	1.178	62.9	1.006	0.08	0.273	0.323
	LTE Band 43_Ant 6	20M	QPSK	50	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650		21.93	22.70	1.194	62.9	1.006	0.01	0.223	0.268
	LTE Band 43_Ant 6	20M	QPSK	1	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650		22.99	23.70	1.178	62.9	1.006	0.03	0.135	0.160
	LTE Band 43_Ant 6	20M	QPSK	50	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650		21.93	22.70	1.194	62.9	1.006	-0.08	0.112	0.135
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	44090	3650		22.99	23.70	1.178	62.9	1.006	-0.08	0.227	0.269
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	44090	3650		22.99	23.70	1.178	62.9	1.006	0.1	0.236	0.280
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	44090	3650		22.99	23.70	1.178	62.9	1.006	-0.18	0.231	0.274
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	44090	3650		22.99	23.70	1.178	62.9	1.006	0.1	0.236	0.280
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	44090	3650		22.99	23.70	1.178	62.9	1.006	0.12	0.255	0.302
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	44090	3650		22.99	23.70	1.178	62.9	1.006	0.08	0.229	0.271
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	Holster 1	22.99	23.70	1.178	62.9	1.006	0.14	0.188	0.223
39	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	Holster 2	22.99	23.70	1.178	62.9	1.006	0.08	0.590	0.699
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	43690	3610	Holster 2	22.83	23.70	1.222	62.9	1.006	-0.17	0.521	0.640
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44490	3690	Holster 2	22.84	23.70	1.219	62.9	1.006	-0.03	0.513	0.629
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750		23.69	23.70	1.002	62.9	1.006	-0.05	0.305	0.308
	LTE Band 43_Ant 6	20M	QPSK	50	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750		22.66	22.70	1.009	62.9	1.006	-0.08	0.246	0.250
	LTE Band 43_Ant 6	20M	QPSK	1	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750		23.69	23.70	1.002	62.9	1.006	0.16	0.178	0.179
	LTE Band 43_Ant 6	20M	QPSK	50	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750		22.66	22.70	1.009	62.9	1.006	0.05	0.141	0.143
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	45090	3750		23.69	23.70	1.002	62.9	1.006	0.05	0.253	0.255
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	45090	3750		23.69	23.70	1.002	62.9	1.006	-0.03	0.263	0.265
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	45090	3750		23.69	23.70	1.002	62.9	1.006	-0.15	0.258	0.260
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	45090	3750		23.69	23.70	1.002	62.9	1.006	0.02	0.263	0.265
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	45090	3750		23.69	23.70	1.002	62.9	1.006	0.07	0.285	0.287
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	45090	3750		23.69	23.70	1.002	62.9	1.006	0.16	0.256	0.258
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	Holster 1	23.69	23.70	1.002	62.9	1.006	0.02	0.235	0.237
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	Holster 2	23.69	23.70	1.002	62.9	1.006	-0.01	0.571	0.576
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609		22.87	23.80	1.239	62.9	1.006	-0.03	0.228	0.284
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609		21.88	22.80	1.236	62.9	1.006	-0.08	0.189	0.235
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609		22.87	23.80	1.239	62.9	1.006	-0.13	0.120	0.150
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609		21.88	22.80	1.236	62.9	1.006	-0.13	0.097	0.121
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	55830	3609		22.87	23.80	1.239	62.9	1.006	0.17	0.189	0.236
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	55830	3609		22.87	23.80	1.239	62.9	1.006	-0.05	0.197	0.246
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	55830	3609		22.87	23.80	1.239	62.9	1.006	0.01	0.193	0.241
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	55830	3609		22.87	23.80	1.239	62.9	1.006	0.1	0.197	0.246
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	55830	3609		22.87	23.80	1.239	62.9	1.006	-0.17	0.213	0.265
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	55830	3609		22.87	23.80	1.239	62.9	1.006	0.04	0.191	0.238
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	Holster 1	22.87	23.80	1.239	62.9	1.006	-0.04	0.175	0.218
40	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	Holster 2	22.87	23.80	1.239	62.9	1.006	0.03	0.523	0.652
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55340	3560	Holster 2	22.69	23.80	1.291	62.9	1.006	0.01	0.498	0.647
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	56150	3641	Holster 2	22.59	23.80	1.321	62.9	1.006	0.1	0.469	0.623
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	56640	3690	Holster 2	22.54	23.80	1.337	62.9	1.006	-0.17	0.471	0.633
	LTE Band 48C_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830+55632	3641	Holster 2	23.03	23.8	1.194	62.9	1.006	0.09	0.498	0.598

**<5G NR SAR>**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
41	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535		20.99	21.00	1.002	0.05	0.111	0.111
	FR1 n7_Ant 1	40M	BPSK	108	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535		20.74	21.00	1.062	0.05	0.094	0.100
	FR1 n7_Ant 1	40M	BPSK	1	1	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535		20.99	21.00	1.002	-0.03	0.090	0.090
	FR1 n7_Ant 1	40M	BPSK	108	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535		20.74	21.00	1.062	-0.15	0.077	0.082
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	507000	2535		20.99	21.00	1.002	-0.01	0.108	0.108
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	507000	2535		20.99	21.00	1.002	-0.08	0.105	0.105
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	507000	2535		20.99	21.00	1.002	0.05	0.110	0.110
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	507000	2535		20.99	21.00	1.002	0.06	0.101	0.101
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	507000	2535		20.99	21.00	1.002	-0.09	0.095	0.095
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	507000	2535		20.99	21.00	1.002	-0.08	0.108	0.108
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	Holster 1	20.99	21.00	1.002	-0.08	0.046	0.046
	FR1 n7_Ant 1	40M	BPSK	1	1	Left Edge	0mm	Ant 1	Headset	DSI 0	AlphaNumeric	507000	2535	Holster 2	20.99	21.00	1.002	-0.08	0.049	0.049
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5		24.47	25.00	1.130	-0.03	0.068	0.077
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5		24.24	25.00	1.191	0.08	0.058	0.069
42	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5		24.47	25.00	1.130	0.01	0.112	0.127
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5		24.24	25.00	1.191	0.05	0.095	0.113
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	141500	707.5		24.47	25.00	1.130	0.08	0.109	0.123
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	141500	707.5		24.47	25.00	1.130	0.01	0.106	0.120
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	141500	707.5		24.47	25.00	1.130	0.03	0.111	0.125
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	141500	707.5		24.47	25.00	1.130	-0.08	0.102	0.115
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	141500	707.5		24.47	25.00	1.130	-0.08	0.096	0.108
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	141500	707.5		24.47	25.00	1.130	0.1	0.109	0.123
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	0mm	Ant 0	Headset	DSI 0	AlphaNumeric	141500	707.5	Holster 1	24.47	25.00	1.130	0.04	0.058	0.066
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	Holster 2	24.47	25.00	1.130	0.03	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	1	1	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782		23.81	25.00	1.315	-0.09	0.129	0.170
	FR1 n13_Ant 0	10M	BPSK	25	14	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782		23.65	25.00	1.365	0.11	0.109	0.149
43	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782		23.81	25.00	1.315	-0.01	0.169	0.222
	FR1 n13_Ant 0	10M	BPSK	25	14	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782		23.65	25.00	1.365	-0.08	0.144	0.196
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	156400	782		23.81	25.00	1.315	-0.18	0.164	0.216
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	156400	782		23.81	25.00	1.315	0.1	0.160	0.210
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	156400	782		23.81	25.00	1.315	0.12	0.168	0.221
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	156400	782		23.81	25.00	1.315	0.08	0.153	0.201
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	156400	782		23.81	25.00	1.315	-0.17	0.145	0.191
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	156400	782		23.81	25.00	1.315	-0.03	0.165	0.217
	FR1 n13_Ant 0	10M	BPSK	1	1	Front	0mm	Ant 0	Headset	DSI 0	AlphaNumeric	156400	782	Holster 1	23.81	25.00	1.315	0.04	0.095	0.125
	FR1 n13_Ant 0	10M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	Holster 2	23.81	25.00	1.315	-0.02	0.001	0.001
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793		24.08	25.00	1.236	-0.08	0.119	0.147
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793		23.91	25.00	1.285	-0.08	0.102	0.131
44	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793		24.08	25.00	1.236	-0.11	0.161	0.199
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793		23.91	25.00	1.285	0.1	0.137	0.176
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	158600	793		24.08	25.00	1.236	0.14	0.156	0.193
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	158600	793		24.08	25.00	1.236	0.11	0.152	0.188
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	158600	793		24.08	25.00	1.236	-0.05	0.160	0.198
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	158600	793		24.08	25.00	1.236	0.18	0.146	0.180
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	158600	793		24.08	25.00	1.236	0.14	0.138	0.171
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	158600	793		24.08	25.00	1.236	-0.17	0.157	0.194
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	0mm	Ant 0	Headset	DSI 0	AlphaNumeric	158600	793	Holster 1	24.08	25.00	1.236	-0.13	0.107	0.132
	FR1 n14_Ant 0	10M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	Holster 2	24.08	25.00	1.236	0.01	0.001	0.001



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
45	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5		21.93	22.10	1.040	0.03	0.111	0.115
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5		21.88	22.10	1.052	-0.05	0.094	0.099
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5		21.93	22.10	1.040	0.18	0.102	0.106
	FR1 n25_Ant 1	40M	BPSK	108	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5		21.88	22.10	1.052	0.14	0.086	0.090
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	376500	1882.5		21.93	22.10	1.040	-0.17	0.108	0.112
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	376500	1882.5		21.93	22.10	1.040	0.17	0.105	0.109
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	376500	1882.5		21.93	22.10	1.040	-0.05	0.110	0.114
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	376500	1882.5		21.93	22.10	1.040	0.01	0.101	0.105
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	376500	1882.5		21.93	22.10	1.040	0.1	0.095	0.099
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	376500	1882.5		21.93	22.10	1.040	-0.17	0.108	0.112
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	Holster 1	21.93	22.10	1.040	-0.09	0.099	0.103
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	Holster 2	21.93	22.10	1.040	0	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5		24.86	24.90	1.009	-0.08	0.113	0.114
	FR1 n26_Ant 0	20M	BPSK	50	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5		23.87	24.90	1.268	-0.08	0.097	0.123
46	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5		24.86	24.90	1.009	-0.03	0.196	0.198
	FR1 n26_Ant 0	20M	BPSK	50	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5		23.87	24.90	1.268	0.1	0.144	0.183
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	166300	831.5		24.86	24.90	1.009	-0.18	0.191	0.193
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	166300	831.5		24.86	24.90	1.009	0.1	0.185	0.187
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	166300	831.5		24.86	24.90	1.009	0.12	0.195	0.197
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	166300	831.5		24.86	24.90	1.009	0.08	0.178	0.180
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	166300	831.5		24.86	24.90	1.009	-0.17	0.168	0.170
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	166300	831.5		24.86	24.90	1.009	-0.03	0.191	0.193
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	Holster 1	24.86	24.90	1.009	0.14	0.118	0.119
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	Holster 2	24.86	24.90	1.009	0.11	0.001	0.001
47	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310		23.82	24.60	1.197	-0.06	0.166	0.199
	FR1 n30_Ant 1	10M	BPSK	25	14	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310		23.65	24.60	1.245	0.02	0.141	0.175
	FR1 n30_Ant 1	10M	BPSK	1	1	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310		23.82	24.60	1.197	0.07	0.113	0.135
	FR1 n30_Ant 1	10M	BPSK	25	14	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310		23.65	24.60	1.245	0.16	0.096	0.119
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	462000	2310		23.82	24.60	1.197	0.17	0.161	0.193
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	462000	2310		23.82	24.60	1.197	-0.05	0.157	0.188
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	462000	2310		23.82	24.60	1.197	0.01	0.165	0.197
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	462000	2310		23.82	24.60	1.197	0.1	0.151	0.181
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	462000	2310		23.82	24.60	1.197	-0.17	0.142	0.170
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	462000	2310		23.82	24.60	1.197	0.04	0.162	0.194
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	Holster 1	23.82	24.60	1.197	-0.12	0.074	0.089
	FR1 n30_Ant 1	10M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	Holster 2	23.82	24.60	1.197	-0.18	0.031	0.037
48	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745		21.49	22.00	1.125	0	0.159	0.179
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745		21.15	22.00	1.216	0.08	0.135	0.164
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745		21.49	22.00	1.125	0.01	0.147	0.165
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745		21.15	22.00	1.216	0.03	0.125	0.152
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	349000	1745		21.49	22.00	1.125	-0.01	0.155	0.174
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	349000	1745		21.49	22.00	1.125	-0.08	0.150	0.169
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	349000	1745		21.49	22.00	1.125	0.05	0.158	0.178
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	349000	1745		21.49	22.00	1.125	0.06	0.144	0.162
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	349000	1745		21.49	22.00	1.125	-0.09	0.136	0.153
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	349000	1745		21.49	22.00	1.125	-0.08	0.155	0.174
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	Holster 1	21.49	22.00	1.125	0.02	0.156	0.175
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	Holster 2	21.49	22.00	1.125	0.03	0.076	0.085



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
49	FR1 n71_Ant 0	20M	BPSK	1	1	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5		24.16	25.00	1.213	0.08	0.029	0.035
	FR1 n71_Ant 0	20M	BPSK	50	0	Front	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5		23.59	24.50	1.233	0.01	0.024	0.030
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5		24.16	25.00	1.213	0	0.066	0.080
	FR1 n71_Ant 0	20M	BPSK	50	0	Back	15mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5		23.59	24.50	1.233	0.03	0.056	0.069
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0703	DSI 0	AlphaNumeric	136100	680.5		24.16	25.00	1.213	0.13	0.064	0.078
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803	DSI 0	AlphaNumeric	136100	680.5		24.16	25.00	1.213	0.12	0.062	0.075
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Numeric	136100	680.5		24.16	25.00	1.213	0.03	0.062	0.075
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	Large Numeric	136100	680.5		24.16	25.00	1.213	0.18	0.060	0.073
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	53keys	136100	680.5		24.16	25.00	1.213	0.16	0.057	0.069
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	15mm	Ant 0	S0803FR	DSI 0	42keys	136100	680.5		24.16	25.00	1.213	-0.1	0.064	0.078
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	Holster 1	24.16	25.00	1.213	0.03	0.048	0.058
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	Holster 2	24.16	25.00	1.213	0.05	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.52	21.60	1.282	0.02	0.111	0.142
	FR1 n41_Ant 1	100M	BPSK	135	0	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.31	21.60	1.346	-0.12	0.094	0.127
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.52	21.60	1.282	0.03	0.081	0.104
	FR1 n41_Ant 1	100M	BPSK	135	0	Back	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.31	21.60	1.346	-0.16	0.069	0.093
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0703	DSI 0	AlphaNumeric	518598	2592.99		20.52	21.60	1.282	0.07	0.108	0.138
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803	DSI 0	AlphaNumeric	518598	2592.99		20.52	21.60	1.282	0.18	0.105	0.135
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Numeric	518598	2592.99		20.52	21.60	1.282	-0.1	0.110	0.141
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	Large Numeric	518598	2592.99		20.52	21.60	1.282	0.01	0.101	0.130
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	53keys	518598	2592.99		20.52	21.60	1.282	-0.15	0.095	0.122
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	42keys	518598	2592.99		20.52	21.60	1.282	0.19	0.108	0.138
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 1	20.52	21.60	1.282	-0.02	0.044	0.056
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 2	20.52	21.60	1.282	0.04	0.047	0.060
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Front	15mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		23.22	24.60	1.374	-0.05	0.098	0.135
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Front	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.39	20.50	1.026	-0.07	0.091	0.093
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Front	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.25	20.50	1.059	-0.07	0.132	0.140
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Front	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.19	20.50	1.074	0.02	0.077	0.083
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Front	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		19.90	20.50	1.148	0.02	0.112	0.129
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.39	20.50	1.026	0.07	0.116	0.119
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.25	20.50	1.059	0.07	0.166	0.176
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Back	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		20.19	20.50	1.074	0.06	0.099	0.106
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Back	15mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99		19.90	20.50	1.148	0.06	0.141	0.162
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0703	DSI 0	AlphaNumeric	518598	2592.99		20.39	20.50	1.026	-0.15	0.098	0.101
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0703	DSI 0	AlphaNumeric	518598	2592.99		20.25	20.50	1.059	-0.15	0.140	0.148
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803	DSI 0	AlphaNumeric	518598	2592.99		20.39	20.50	1.026	-0.02	0.060	0.062
50	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803	DSI 0	AlphaNumeric	518598	2592.99		20.25	20.50	1.059	-0.02	0.086	0.091
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	Numeric	518598	2592.99		20.39	20.50	1.026	-0.05	0.093	0.095
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	Numeric	518598	2592.99		20.25	20.50	1.059	-0.05	0.132	0.140
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	Large Numeric	518598	2592.99		20.39	20.50	1.026	0.18	0.085	0.087
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	Large Numeric	518598	2592.99		20.25	20.50	1.059	0.18	0.122	0.129
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	53keys	518598	2592.99		20.39	20.50	1.026	-0.16	0.082	0.084
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	53keys	518598	2592.99		20.25	20.50	1.059	-0.16	0.118	0.125
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	42keys	518598	2592.99		20.39	20.50	1.026	0.07	0.080	0.082
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	15mm	Ant 2+1	S0803FR	DSI 0	42keys	518598	2592.99		20.25	20.50	1.059	0.07	0.114	0.121
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Front	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 1	20.39	20.50	1.026	-0.12	0.083	0.085
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Front	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 1	20.25	20.50	1.059	-0.12	0.051	0.054
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 2	20.39	20.50	1.026	0.04	0.001	0.001
50	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 2	20.25	20.50	1.059	0.04	0.233	0.247
	FR1 n41_HPUE_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 1	23.19	23.50	1.074	0.02	0.001	0.001
	FR1 n41_HPUE_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	Holster 2	22.94	23.50	1.138	0.02	0.198	0.225



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Holster	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 3	40M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.39	22.50	1.291	0.08	0.063	0.081
	FR1 n48_Ant 3	40M	BPSK	50	0	Front	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.19	22.50	1.352	0.01	0.053	0.072
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.39	22.50	1.291	0.03	0.158	0.204
	FR1 n48_Ant 3	40M	BPSK	50	0	Back	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.19	22.50	1.352	-0.08	0.135	0.183
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0703	DSI 0	AlphaNumeric	641666	3624.99		21.39	22.50	1.291	0.08	0.133	0.172
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0803	DSI 0	AlphaNumeric	641666	3624.99		21.39	22.50	1.291	0.01	0.081	0.105
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	Numeric	641666	3624.99		21.39	22.50	1.291	0.03	0.126	0.163
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	Large Numeric	641666	3624.99		21.39	22.50	1.291	-0.08	0.116	0.150
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	53keys	641666	3624.99		21.39	22.50	1.291	-0.08	0.112	0.145
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	42keys	641666	3624.99		21.39	22.50	1.291	0.1	0.109	0.141
	FR1 n48_Ant 3	40M	BPSK	1	1	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 1	21.39	22.50	1.291	0.06	0.197	0.254
51	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	Headset 2	DSI 0	AlphaNumeric	641666	3624.99	Holster 2	21.39	22.50	1.291	0.04	0.530	0.684
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	638000	3570	Holster 2	21.36	22.50	1.300	0.02	0.508	0.660
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	645332	3679.98	Holster 2	21.35	22.50	1.303	0	0.510	0.665
	FR1 n48_Ant 4	40M	BPSK	1	1	Front	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		19.39	21.30	1.552	0.14	0.056	0.087
	FR1 n48_Ant 4	40M	BPSK	50	0	Front	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		19.36	21.30	1.563	0.11	0.048	0.075
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		19.39	21.30	1.552	-0.06	0.088	0.137
	FR1 n48_Ant 4	40M	BPSK	50	0	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		19.36	21.30	1.563	-0.05	0.075	0.117
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0703	DSI 0	AlphaNumeric	641666	3624.99		19.39	21.30	1.552	-0.18	0.074	0.115
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0803	DSI 0	AlphaNumeric	641666	3624.99		19.39	21.30	1.552	0.1	0.045	0.070
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	Numeric	641666	3624.99		19.39	21.30	1.552	0.12	0.070	0.109
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	Large Numeric	641666	3624.99		19.39	21.30	1.552	0.08	0.065	0.101
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	53keys	641666	3624.99		19.39	21.30	1.552	-0.17	0.063	0.098
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	42keys	641666	3624.99		19.39	21.30	1.552	-0.03	0.061	0.095
	FR1 n48_Ant 4	40M	BPSK	1	1	Front	0mm	Ant 4	Headset 1	DSI 0	AlphaNumeric	641666	3624.99	Holster 1	19.39	21.30	1.552	-0.12	0.038	0.059
	FR1 n48_Ant 4	40M	BPSK	1	1	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 2	19.39	21.30	1.552	-0.08	0.001	0.002
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.77	21.00	1.054	-0.06	0.177	0.187
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.26	21.00	1.186	-0.06	0.248	0.294
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.40	21.00	1.148	-0.07	0.150	0.172
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.08	21.00	1.236	-0.07	0.211	0.261
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.77	21.00	1.054	-0.07	0.143	0.151
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.26	21.00	1.186	-0.07	0.084	0.100
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.40	21.00	1.148	0.02	0.121	0.139
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		20.08	21.00	1.236	0.02	0.071	0.088
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	641666	3624.99		20.77	21.00	1.054	-0.03	0.182	0.192
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	641666	3624.99		20.26	21.00	1.186	-0.03	0.235	0.279
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	641666	3624.99		20.77	21.00	1.054	-0.08	0.168	0.177
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	641666	3624.99		20.26	21.00	1.186	-0.08	0.217	0.257
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Numeric	641666	3624.99		20.77	21.00	1.054	-0.18	0.190	0.200
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Numeric	641666	3624.99		20.26	21.00	1.186	-0.18	0.246	0.292
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	641666	3624.99		20.77	21.00	1.054	-0.06	0.177	0.187
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	641666	3624.99		20.26	21.00	1.186	-0.06	0.228	0.270
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	53keys	641666	3624.99		20.77	21.00	1.054	-0.07	0.185	0.195
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	53keys	641666	3624.99		20.26	21.00	1.186	-0.07	0.239	0.283
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	42keys	641666	3624.99		20.77	21.00	1.054	-0.08	0.161	0.170
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	42keys	641666	3624.99		20.26	21.00	1.186	-0.08	0.210	0.249
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 1	20.77	21.00	1.054	0.03	0.192	0.202
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 1	20.26	21.00	1.186	0.03	0.346	0.410
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	Headset 2	DSI 0	AlphaNumeric	641666	3624.99	Holster 2	20.77	21.00	1.054	-0.02	0.311	0.328
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 2	20.26	21.00	1.186	-0.02	0.560	0.664
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	638000	3570	Holster 2	20.62	21.00	1.091	-0.13	0.288	0.314
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	638000	3570	Holster 2	20.19	21.00	1.205	-0.13	0.488	0.588
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	645332	3679.98	Holster 2	20.54	21.00	1.112	0.06	0.264	0.293



FCC SAR TEST REPORT

Report No. : FA461705-01A

FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	645332	3679.98	Holster 2	20.18	21.00	1.208	0.06	0.466	0.563
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.80	22.30	1.122	0.08	0.213	0.239
FR1 n48_Ant 6	40M	BPSK	50	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.49	22.30	1.205	0.01	0.181	0.218
FR1 n48_Ant 6	40M	BPSK	1	1	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.80	22.30	1.122	0.03	0.084	0.094
FR1 n48_Ant 6	40M	BPSK	50	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99		21.49	22.30	1.205	-0.08	0.072	0.087
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	641666	3624.99		21.80	22.30	1.122	0.14	0.177	0.199
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	641666	3624.99		21.80	22.30	1.122	0.11	0.184	0.206
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	641666	3624.99		21.80	22.30	1.122	-0.05	0.180	0.202
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	641666	3624.99		21.80	22.30	1.122	0.18	0.184	0.206
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	641666	3624.99		21.80	22.30	1.122	0.14	0.199	0.223
FR1 n48_Ant 6	40M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	641666	3624.99		21.80	22.30	1.122	-0.17	0.179	0.201
FR1 n48_Ant 6	40M	BPSK	1	1	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 1	21.80	22.30	1.122	-0.15	0.168	0.188
FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	Holster 2	21.80	22.30	1.122	-0.03	0.446	0.500
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.26	20.00	1.186	0.18	0.072	0.085
FR1 n77_Ant 3	100M	BPSK	135	0	Front	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.09	20.00	1.233	0.14	0.001	0.001
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.26	20.00	1.186	-0.17	0.081	0.096
FR1 n77_Ant 3	100M	BPSK	135	0	Back	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.09	20.00	1.233	0.17	0.001	0.001
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0703	DSI 0	AlphaNumeric	656000	3840		19.26	20.00	1.186	0.17	0.068	0.081
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803	DSI 0	AlphaNumeric	656000	3840		19.26	20.00	1.186	-0.05	0.042	0.050
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	Numeric	656000	3840		19.26	20.00	1.186	0.01	0.065	0.077
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	Large Numeric	656000	3840		19.26	20.00	1.186	0.1	0.060	0.071
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	53keys	656000	3840		19.26	20.00	1.186	-0.17	0.058	0.069
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	42keys	656000	3840		19.26	20.00	1.186	0.04	0.056	0.066
FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Ant 3	Headset	DSI 0	AlphaNumeric	656000	3840	Holster 1	19.26	20.00	1.186	0.12	0.048	0.057
FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	Headset	DSI 0	AlphaNumeric	656000	3840	Holster 2	19.26	20.00	1.186	0.01	0.523	0.620
FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 2	22.73	23.40	1.167	-0.05	0.529	0.617
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.18	20.00	1.208	0.04	0.077	0.093
FR1 n77_Ant 3	100M	BPSK	135	0	Front	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		18.96	20.00	1.271	-0.01	0.066	0.084
FR1 n77_Ant 3	100M	BPSK	1	1	Back	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.18	20.00	1.208	-0.08	0.018	0.022
FR1 n77_Ant 3	100M	BPSK	135	0	Back	15mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		18.96	20.00	1.271	0.05	0.002	0.003
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0703	DSI 0	AlphaNumeric	633332	3499.98		19.18	20.00	1.208	-0.01	0.065	0.079
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803	DSI 0	AlphaNumeric	633332	3499.98		19.18	20.00	1.208	-0.08	0.040	0.048
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	Numeric	633332	3499.98		19.18	20.00	1.208	0.05	0.061	0.074
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	Large Numeric	633332	3499.98		19.18	20.00	1.208	0.06	0.057	0.069
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	53keys	633332	3499.98		19.18	20.00	1.208	-0.09	0.055	0.066
FR1 n77_Ant 3	100M	BPSK	1	1	Front	15mm	Ant 3	S0803FR	DSI 0	42keys	633332	3499.98		19.18	20.00	1.208	-0.08	0.053	0.064
FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 1	19.18	20.00	1.208	0.1	0.066	0.080
FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	Headset	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	19.18	20.00	1.208	0.05	0.206	0.249
FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	22.66	23.40	1.186	-0.17	0.175	0.208
FR1 n77_Ant 4	100M	BPSK	1	1	Front	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840		17.05	17.40	1.084	-0.13	0.039	0.042
FR1 n77_Ant 4	100M	BPSK	135	0	Front	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840		16.98	17.40	1.102	-0.01	0.033	0.036
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840		17.05	17.40	1.084	0.03	0.080	0.087
FR1 n77_Ant 4	100M	BPSK	135	0	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840		16.98	17.40	1.102	-0.09	0.068	0.075
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0703	DSI 0	AlphaNumeric	656000	3840		17.05	17.40	1.084	0.05	0.067	0.073
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803	DSI 0	AlphaNumeric	656000	3840		17.05	17.40	1.084	0.02	0.041	0.044
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	Numeric	656000	3840		17.05	17.40	1.084	-0.13	0.064	0.069
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	Large Numeric	656000	3840		17.05	17.40	1.084	0.17	0.059	0.064
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	53keys	656000	3840		17.05	17.40	1.084	0.06	0.057	0.062
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	42keys	656000	3840		17.05	17.40	1.084	0	0.055	0.060
FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 1	17.05	17.40	1.084	0.11	0.033	0.036
FR1 n77_Ant 4	100M	BPSK	1	1	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 2	17.05	17.40	1.084	-0.02	0.001	0.001
FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.79	20.40	1.151	0.1	0.071	0.082
FR1 n77_Ant 4	100M	BPSK	1	1	Front	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		17.30	17.40	1.023	0.04	0.038	0.039
FR1 n77_Ant 4	100M	BPSK	135	0	Front	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		17.11	17.40	1.069	0.13	0.032	0.034
FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		17.30	17.40	1.023	0.16	0.070	0.072
FR1 n77_Ant 4	100M	BPSK	135	0	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		17.11	17.40	1.069	-0.18	0.059	0.063



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	FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0703	DSI 0	AlphaNumeric	633332	3499.98		17.30	17.40	1.023	-0.11	0.059	0.060
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803	DSI 0	AlphaNumeric	633332	3499.98		17.30	17.40	1.023	-0.16	0.036	0.037
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	Numeric	633332	3499.98		17.30	17.40	1.023	-0.15	0.056	0.057
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	Large Numeric	633332	3499.98		17.30	17.40	1.023	-0.06	0.052	0.053
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	53keys	633332	3499.98		17.30	17.40	1.023	-0.14	0.050	0.051
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	42keys	633332	3499.98		17.30	17.40	1.023	-0.19	0.048	0.049
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 1	17.30	17.40	1.023	0.01	0.042	0.043
	FR1 n77_Ant 4	100M	BPSK	1	1	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	17.30	17.40	1.023	0.06	0.001	0.001
	FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Back	15mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.83	20.40	1.140	0.02	0.061	0.070
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.44	20.50	1.276	-0.17	0.095	0.121
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		18.97	20.50	1.422	-0.17	0.062	0.088
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.10	20.50	1.380	0.19	0.081	0.112
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		18.64	20.50	1.535	0.07	0.053	0.081
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.44	20.50	1.276	-0.18	0.092	0.117
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		18.97	20.50	1.422	0.03	0.060	0.085
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		19.10	20.50	1.380	-0.15	0.078	0.108
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840		18.64	20.50	1.535	-0.15	0.051	0.078
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	656000	3840		19.44	20.50	1.276	0.19	0.090	0.115
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	656000	3840		18.97	20.50	1.422	0.19	0.059	0.084
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	656000	3840		19.44	20.50	1.276	-0.17	0.083	0.106
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	656000	3840		18.97	20.50	1.422	-0.17	0.054	0.077
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Numeric	656000	3840		19.44	20.50	1.276	0.11	0.094	0.120
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Numeric	656000	3840		18.97	20.50	1.422	0.11	0.061	0.087
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	656000	3840		19.44	20.50	1.276	0.07	0.087	0.111
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	656000	3840		18.97	20.50	1.422	0.07	0.057	0.081
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	53keys	656000	3840		19.44	20.50	1.276	0.03	0.092	0.117
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	53keys	656000	3840		18.97	20.50	1.422	0.03	0.060	0.085
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	42keys	656000	3840		19.44	20.50	1.276	0.07	0.080	0.102
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	42keys	656000	3840		18.97	20.50	1.422	0.07	0.053	0.075
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 1	19.44	20.50	1.276	-0.08	0.194	0.248
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	0mm	Ant 5+6	Headset	DSI 0	AlphaNumeric	656000	3840	Holster 1	18.97	20.50	1.422	-0.08	0.127	0.181
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 2	19.44	20.50	1.276	0.11	0.188	0.240
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 2	18.97	20.50	1.422	0.11	0.123	0.175
	FR1 n77_HPUE_Ant 5+6(5)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 1	22.50	23.00	1.122	-0.17	0.165	0.185
	FR1 n77_HPUE_Ant 5+6(6)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 1	22.00	23.00	1.259	-0.17	0.108	0.136
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.56	20.50	1.242	-0.04	0.203	0.252
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.52	20.50	1.253	-0.04	0.180	0.226
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.43	20.50	1.279	0.17	0.172	0.220
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Front	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.16	20.50	1.361	0.17	0.152	0.207
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.56	20.50	1.242	-0.04	0.118	0.147
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.52	20.50	1.253	-0.04	0.104	0.130
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.43	20.50	1.279	-0.13	0.101	0.129
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Back	15mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		19.16	20.50	1.361	-0.13	0.089	0.121
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	633332	3499.98		19.56	20.50	1.242	0.07	0.193	0.240
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	633332	3499.98		19.52	20.50	1.253	0.07	0.171	0.214
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	633332	3499.98		19.56	20.50	1.242	-0.08	0.177	0.220
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	633332	3499.98		19.52	20.50	1.253	-0.08	0.157	0.197
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Numeric	633332	3499.98		19.56	20.50	1.242	0.03	0.201	0.250
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Numeric	633332	3499.98		19.52	20.50	1.253	0.03	0.178	0.223
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	633332	3499.98		19.56	20.50	1.242	0.07	0.187	0.232
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	633332	3499.98		19.52	20.50	1.253	0.07	0.166	0.208
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	53keys	633332	3499.98		19.56	20.50	1.242	-0.18	0.196	0.243
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	53keys	633332	3499.98		19.52	20.50	1.253	-0.18	0.173	0.217
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	42keys	633332	3499.98		19.56	20.50	1.242	0.11	0.172	0.214
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	15mm	Ant 5+6	S0803FR	DSI 0	42keys	633332	3499.98		19.52	20.50	1.253	0.11	0.153	0.192
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 1	19.56	20.50	1.242	0.08	0.165	0.205



FCC SAR TEST REPORT

Report No. : FA461705-01A

	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 1	19.52	20.50	1.253	0.08	0.146	0.183
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	19.56	20.50	1.242	-0.12	0.403	0.500
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	Headset	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	19.52	20.50	1.253	-0.12	0.357	0.447
	FR1 n77_HPUE_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	22.64	23.00	1.086	0.05	0.420	0.456
	FR1 n77_HPUE_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	22.45	23.00	1.135	0.05	0.380	0.431
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840		21.35	21.90	1.135	0.06	0.226	0.257
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840		21.18	21.90	1.180	-0.09	0.192	0.227
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840		21.35	21.90	1.135	-0.08	0.164	0.186
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840		21.18	21.90	1.180	0.13	0.140	0.165
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	656000	3840		21.35	21.90	1.135	0.13	0.188	0.213
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	656000	3840		21.35	21.90	1.135	0.12	0.195	0.221
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	656000	3840		21.35	21.90	1.135	0.03	0.191	0.217
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	656000	3840		21.35	21.90	1.135	0.18	0.195	0.221
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	656000	3840		21.35	21.90	1.135	0.16	0.211	0.239
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	656000	3840		21.35	21.90	1.135	-0.1	0.190	0.216
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 1	21.35	21.90	1.135	0.12	0.193	0.219
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	Headset	DSI 0	AlphaNumeric	656000	3840	Holster 2	21.35	21.90	1.135	0.02	0.510	0.579
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	Holster 2	24.01	25.00	1.256	0.03	0.434	0.545
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		21.81	21.90	1.021	-0.1	0.315	0.322
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		21.48	21.90	1.102	0.07	0.267	0.294
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		21.81	21.90	1.021	0.18	0.109	0.111
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	15mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98		21.48	21.90	1.102	-0.1	0.092	0.101
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0703	DSI 0	AlphaNumeric	633332	3499.98		21.81	21.90	1.021	0.08	0.262	0.267
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803	DSI 0	AlphaNumeric	633332	3499.98		21.81	21.90	1.021	0.01	0.272	0.278
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	Numeric	633332	3499.98		21.81	21.90	1.021	0.03	0.267	0.273
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	Large Numeric	633332	3499.98		21.81	21.90	1.021	-0.08	0.272	0.278
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	53keys	633332	3499.98		21.81	21.90	1.021	-0.08	0.295	0.301
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	15mm	Ant 6	S0803FR	DSI 0	42keys	633332	3499.98		21.81	21.90	1.021	0.1	0.264	0.270
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 1	21.81	21.90	1.021	0.18	0.233	0.238
52	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	Headset	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	21.81	21.90	1.021	0.03	0.626	0.639
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	Holster 2	24.48	25.00	1.127	0.16	0.533	0.601



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Holster	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.04	0.051	0.074
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.04	0.058	0.072
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.08	0.045	0.065
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.08	0.052	0.065
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.03	0.048	0.070
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.03	0.055	0.068
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.08	0.045	0.065
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.08	0.051	0.064
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.18	0.051	0.074
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.18	0.058	0.072
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.12	0.047	0.068
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.12	0.053	0.066
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0803FR	53keys	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.17	0.049	0.071
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0803FR	53keys	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.17	0.056	0.070
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(7)	S0803FR	42keys	11	2462	-	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.14	0.043	0.062
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 7+8(8)	S0803FR	42keys	11	2462	-	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.14	0.049	0.061
53	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	Holster 1	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.18	0.062	0.090
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	Holster 1	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.18	0.055	0.068
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	Holster 2	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.14	0.052	0.076
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	-0.17	0.043	0.053
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	0.17	0.035	0.054
	WLAN5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	-0.05	0.039	0.048
	WLAN5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	-0.05	0.032	0.050
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	0.1	0.041	0.050
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	0.1	0.033	0.051
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	0.04	0.038	0.047
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	0.04	0.031	0.048
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	-0.08	0.043	0.053
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	-0.08	0.035	0.054
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	0.06	0.040	0.049
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	0.06	0.032	0.050
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	-0.08	0.041	0.050
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	-0.08	0.034	0.053
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	54	5270	-	Non-DBS	14.65	15.50	1.216	99	1.010	0.12	0.036	0.044
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	54	5270	-	Non-DBS	13.64	15.50	1.535	99	1.010	0.12	0.030	0.046
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Holster 1	Non-DBS	14.65	15.50	1.216	99	1.010	0.18	0.038	0.047
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	Holster 1	Non-DBS	13.64	15.50	1.535	99	1.010	0.18	0.030	0.046
54	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Holster 2	Non-DBS	14.65	15.50	1.216	99	1.010	-0.16	0.083	0.102
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	-0.1	0.041	0.048
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	-0.1	0.033	0.049
	WLAN5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	0.18	0.037	0.044
	WLAN5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	0.18	0.030	0.044
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	0.01	0.039	0.046
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	0.01	0.031	0.046
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	0.19	0.036	0.042
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	0.19	0.029	0.043
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	-0.18	0.041	0.048
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	-0.18	0.033	0.049
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	-0.15	0.038	0.045
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	-0.15	0.030	0.044
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	0.11	0.040	0.047



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	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	0.11	0.032	0.047
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	62	5310	-	DBS	13.84	14.50	1.164	99	1.010	-0.17	0.035	0.041
	WLAN5GHz	802.11n-HT40 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	62	5310	-	DBS	12.85	14.50	1.462	99	1.010	-0.17	0.028	0.041
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	Holster 1	DBS	13.84	14.50	1.164	99	1.010	-0.04	0.036	0.042
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	Holster 1	DBS	12.85	14.50	1.462	99	1.010	-0.04	0.029	0.043
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	Holster 2	DBS	13.84	14.50	1.164	99	1.010	-0.17	0.079	0.093
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	-0.13	0.145	0.154
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	-0.13	0.102	0.146
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	0.17	0.118	0.126
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	0.17	0.083	0.119
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	-0.04	0.138	0.147
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	-0.04	0.097	0.139
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	-0.13	0.127	0.135
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	-0.13	0.089	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	0.06	0.144	0.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	0.06	0.101	0.144
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	-0.03	0.133	0.142
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	-0.03	0.094	0.134
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	-0.07	0.140	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	-0.07	0.098	0.140
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	138	5690	-	Non-DBS	14.77	15.00	1.054	99	1.010	-0.11	0.123	0.131
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	138	5690	-	Non-DBS	13.49	15.00	1.416	99	1.010	-0.11	0.086	0.123
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Holster 1	Non-DBS	14.77	15.00	1.054	99	1.010	0.03	0.119	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	Holster 1	Non-DBS	13.49	15.00	1.416	99	1.010	0.03	0.084	0.120
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Holster 2	Non-DBS	14.77	15.00	1.054	99	1.010	-0.11	0.172	0.183
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	0.17	0.130	0.138
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	0.17	0.076	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	-0.02	0.083	0.088
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	-0.02	0.048	0.076
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	-0.09	0.123	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	-0.09	0.072	0.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	-0.05	0.114	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	-0.05	0.066	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	0.16	0.129	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	0.16	0.075	0.119
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	0.05	0.120	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	0.05	0.070	0.111
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	-0.15	0.125	0.133
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	-0.15	0.073	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	122	5610	-	DBS	13.79	14.00	1.050	99	1.010	0.07	0.110	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	122	5610	-	DBS	12.04	14.00	1.570	99	1.010	0.07	0.064	0.102
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	Holster 1	DBS	13.79	14.00	1.050	99	1.010	0.13	0.072	0.076
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	Holster 1	DBS	12.04	14.00	1.570	99	1.010	0.13	0.042	0.067
55	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	Holster 2	DBS	13.79	14.00	1.050	99	1.010	0.05	0.201	0.213
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	0.02	0.160	0.184
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	0.02	0.087	0.120
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.03	0.086	0.099
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	-0.03	0.042	0.058
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	0	0.152	0.175
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	0	0.083	0.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.01	0.140	0.161
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	-0.01	0.076	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.04	0.159	0.183
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	-0.04	0.086	0.119
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.17	0.147	0.169
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	-0.17	0.080	0.110



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	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	0.18	0.154	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	0.18	0.084	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	155	5775	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.04	0.136	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	155	5775	-	Non-DBS	13.65	15.00	1.365	99	1.010	-0.04	0.074	0.102
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Holster 1	Non-DBS	14.44	15.00	1.138	99	1.010	0	0.073	0.084
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Holster 1	Non-DBS	13.65	15.00	1.365	99	1.010	0	0.042	0.058
56	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Holster 2	Non-DBS	14.44	15.00	1.138	99	1.010	0.13	0.203	0.233
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	-0.05	0.152	0.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	-0.05	0.103	0.157
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	-0.01	0.076	0.088
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	-0.01	0.052	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	0.05	0.144	0.167
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	0.05	0.098	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	-0.13	0.133	0.155
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	-0.13	0.090	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	0.06	0.151	0.176
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	0.06	0.102	0.156
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	-0.04	0.140	0.163
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	-0.04	0.095	0.145
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	0.11	0.146	0.170
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	0.11	0.099	0.151
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	155	5775	-	DBS	13.39	14.00	1.151	99	1.010	0.1	0.129	0.150
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	155	5775	-	DBS	12.21	14.00	1.510	99	1.010	0.1	0.087	0.133
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Holster 1	DBS	13.39	14.00	1.151	99	1.010	0.13	0.083	0.096
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Holster 1	DBS	12.21	14.00	1.510	99	1.010	0.13	0.056	0.085
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Holster 2	DBS	13.39	14.00	1.151	99	1.010	0.18	0.140	0.163
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	0.12	0.133	0.153
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	0.12	0.094	0.137
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.11	0.115	0.132
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	-0.11	0.081	0.118
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.15	0.126	0.145
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	-0.15	0.089	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.14	0.116	0.133
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	-0.14	0.082	0.120
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	0.01	0.132	0.152
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	0.01	0.093	0.136
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	0.02	0.122	0.140
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	0.02	0.087	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	-0.16	0.128	0.147
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	-0.16	0.091	0.133
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	171	5855	-	Non-DBS	14.44	15.00	1.138	99	1.010	0.07	0.113	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	171	5855	-	Non-DBS	13.40	15.00	1.445	99	1.010	0.07	0.080	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Holster 1	Non-DBS	14.44	15.00	1.138	99	1.010	-0.05	0.076	0.087
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	Holster 1	Non-DBS	13.40	15.00	1.445	99	1.010	-0.05	0.054	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Holster 2	Non-DBS	14.44	15.00	1.138	99	1.010	0.14	0.212	0.244
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	0.08	0.121	0.140
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	0.08	0.086	0.134
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	0.01	0.105	0.121
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	0.01	0.074	0.115
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	0.1	0.115	0.133
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	0.1	0.082	0.127
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	-0.01	0.106	0.123
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	-0.01	0.075	0.117
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	-0.11	0.120	0.139
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	-0.11	0.085	0.132
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	-0.15	0.111	0.128



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	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	-0.15	0.079	0.123
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	-0.13	0.117	0.135
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	-0.13	0.083	0.129
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	163	5815	-	DBS	13.41	14.00	1.146	99	1.010	-0.15	0.103	0.119
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	163	5815	-	DBS	12.13	14.00	1.538	99	1.010	-0.15	0.073	0.113
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	Holster 1	DBS	13.41	14.00	1.146	99	1.010	-0.09	0.079	0.091
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	Holster 1	DBS	12.13	14.00	1.538	99	1.010	-0.09	0.056	0.087
57	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	Holster 2	DBS	13.41	14.00	1.146	99	1.010	-0.1	0.221	0.256

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Holster	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.1	0.036	0.048	0.379	0.503
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	0.1	0.023	0.024	0.379	0.399
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.07	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	0.07	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	47	6185	-	DBS/Non-DBS	7.78	8.50	1.180	99	1.010	-0.16	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	47	6185	-	DBS/Non-DBS	7.81	8.50	1.172	99	1.010	-0.16	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	111	6505	-	DBS/Non-DBS	7.78	8.50	1.180	99	1.010	-0.07	0.019	0.023	0.177	0.211
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	111	6505	-	DBS/Non-DBS	7.52	8.50	1.253	99	1.010	-0.07	0.015	0.019	0.177	0.224
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	143	6665	-	DBS/Non-DBS	7.72	8.50	1.197	99	1.010	-0.08	0.017	0.021	0.163	0.197
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	143	6665	-	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	-0.08	0.013	0.019	0.163	0.234
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	AlphaNumeric	207	6985	-	DBS/Non-DBS	7.37	8.00	1.156	99	1.010	-0.01	0.034	0.040	0.308	0.360
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	AlphaNumeric	207	6985	-	DBS/Non-DBS	6.70	8.00	1.349	99	1.010	-0.01	0.021	0.029	0.308	0.420
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0703	AlphaNumeric	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	-0.06	0.034	0.045	0.355	0.472
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0703	AlphaNumeric	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.06	0.022	0.023	0.355	0.374
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803	AlphaNumeric	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	-0.01	0.031	0.041	0.324	0.430
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803	AlphaNumeric	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.01	0.020	0.021	0.324	0.341
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Numeric	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.14	0.036	0.048	0.371	0.493
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Numeric	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	0.14	0.023	0.024	0.371	0.391
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	Large Numeric	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.1	0.033	0.044	0.347	0.461
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	Large Numeric	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	0.1	0.021	0.022	0.347	0.365
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	53keys	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	-0.06	0.035	0.046	0.363	0.482
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	53keys	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.06	0.022	0.023	0.363	0.382
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(7)	S0803FR	42keys	15	6025	-	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	-0.16	0.031	0.041	0.324	0.430
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 7+8(8)	S0803FR	42keys	15	6025	-	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.16	0.019	0.020	0.324	0.341
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	Holster 1	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	-0.03	0.001	0.001	0.001	0.001
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	Holster 1	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.03	0.001	0.001	0.001	0.001
58	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	Holster 2	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.17	0.039	0.052	0.380	0.505



<Bluetooth SAR>

Plot No.	Band	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Holster	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth LE	Front	15mm	Ant 7	S0803FR	AlphaNumeric	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Back	15mm	Ant 7	S0803FR	AlphaNumeric	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 7	S0703	AlphaNumeric	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 7	S0803	AlphaNumeric	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 7	S0803FR	Numeric	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 7	S0803FR	Large Numeric	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 7	S0803FR	53keys	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 7	S0803FR	42keys	0	2402	-	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	Holster 1	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
59	Bluetooth LE	Left Edge	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	Holster 2	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0803FR	AlphaNumeric	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Back	15mm	Ant 8	S0803FR	AlphaNumeric	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0703	AlphaNumeric	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0803	AlphaNumeric	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0803FR	Numeric	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0803FR	Large Numeric	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0803FR	53keys	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	15mm	Ant 8	S0803FR	42keys	39	2480	-	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Front	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	Holster 1	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	Holster 2	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001

14.3 Product Specific SAR

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 7_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.08	0.275	0.332
	LTE Band 7_Ant 1	20M	QPSK	50	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	18.85	19.60	1.189	0.01	0.196	0.233
	LTE Band 7_Ant 1	20M	QPSK	1	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.03	0.111	0.134
	LTE Band 7_Ant 1	20M	QPSK	50	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	18.85	19.60	1.189	-0.08	0.088	0.105
60	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	-0.02	0.739	0.893
	LTE Band 7_Ant 1	20M	QPSK	50	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	18.85	19.60	1.189	-0.08	0.682	0.811
	LTE Band 7_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.1	0.720	0.870
	LTE Band 7_Ant 1	20M	QPSK	50	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	18.85	19.60	1.189	-0.18	0.670	0.796
	LTE Band 7_Ant 1	20M	QPSK	1	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.1	0.001	0.001
	LTE Band 7_Ant 1	20M	QPSK	50	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	18.85	19.60	1.189	0.12	0.001	0.001
	LTE Band 7_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.08	0.074	0.089
	LTE Band 7_Ant 1	20M	QPSK	50	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100	2535	18.85	19.60	1.189	-0.17	0.062	0.074
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.08	0.719	0.868
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	21100	2535	19.78	20.60	1.208	0.01	0.699	0.844
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	21100	2535	19.78	20.60	1.208	0.03	0.735	0.888
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	21100	2535	19.78	20.60	1.208	-0.08	0.671	0.810
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	21100	2535	19.78	20.60	1.208	-0.08	0.632	0.763
	LTE Band 7_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	21100	2535	19.78	20.60	1.208	0.1	0.720	0.870
	LTE Band 7C_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	21100+20902	2535	19.74	20.6	1.219	0.06	0.700	0.853



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 12_Ant 0	10M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	0	0.133	0.167
	LTE Band 12_Ant 0	10M	QPSK	25	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	23.04	24.00	1.247	-0.13	0.101	0.126
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	-0.01	0.326	0.409
	LTE Band 12_Ant 0	10M	QPSK	25	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	23.04	24.00	1.247	-0.09	0.204	0.254
	LTE Band 12_Ant 0	10M	QPSK	1	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	0.05	0.160	0.201
	LTE Band 12_Ant 0	10M	QPSK	25	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	23.04	24.00	1.247	0.02	0.110	0.137
61	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	-0.06	0.366	0.459
	LTE Band 12_Ant 0	10M	QPSK	25	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	23.04	24.00	1.247	-0.13	0.297	0.370
	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	0.17	0.001	0.001
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	23.04	24.00	1.247	0.06	0.001	0.001
	LTE Band 12_Ant 0	10M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	0	0.035	0.044
	LTE Band 12_Ant 0	10M	QPSK	25	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23095	707.5	23.04	24.00	1.247	-0.04	0.029	0.036
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	-0.13	0.356	0.446
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	23095	707.5	24.02	25.00	1.253	-0.01	0.346	0.434
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	23095	707.5	24.02	25.00	1.253	-0.09	0.364	0.456
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	23095	707.5	24.02	25.00	1.253	0.05	0.332	0.416
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	23095	707.5	24.02	25.00	1.253	0.02	0.313	0.392
	LTE Band 12_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	23095	707.5	24.02	25.00	1.253	-0.13	0.356	0.446
	LTE Band 13_Ant 0	10M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	0.01	0.225	0.317
	LTE Band 13_Ant 0	10M	QPSK	25	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	23.02	24.50	1.406	-0.01	0.169	0.238
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	-0.06	0.397	0.559
	LTE Band 13_Ant 0	10M	QPSK	25	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	23.02	24.50	1.406	-0.04	0.256	0.360
	LTE Band 13_Ant 0	10M	QPSK	1	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	-0.09	0.191	0.269
	LTE Band 13_Ant 0	10M	QPSK	25	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	23.02	24.50	1.406	-0.17	0.145	0.204
62	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	-0.12	0.575	0.810
	LTE Band 13_Ant 0	10M	QPSK	25	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	23.02	24.50	1.406	-0.1	0.487	0.685
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	0.18	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	23.02	24.50	1.406	-0.17	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	-0.04	0.037	0.052
	LTE Band 13_Ant 0	10M	QPSK	25	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23230	782	23.02	24.50	1.406	-0.05	0.029	0.041
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	0.17	0.559	0.788
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	23230	782	24.01	25.50	1.409	0.06	0.544	0.767
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	23230	782	24.01	25.50	1.409	0	0.571	0.805
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	23230	782	24.01	25.50	1.409	-0.04	0.522	0.736
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	23230	782	24.01	25.50	1.409	-0.15	0.492	0.693
	LTE Band 13_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	23230	782	24.01	25.50	1.409	0.11	0.560	0.789



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 14_Ant 0	10M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	-0.15	0.186	0.257
	LTE Band 14_Ant 0	10M	QPSK	25	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	22.60	24.00	1.380	0.02	0.147	0.203
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	0.07	0.352	0.486
	LTE Band 14_Ant 0	10M	QPSK	25	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	22.60	24.00	1.380	0.16	0.274	0.378
	LTE Band 14_Ant 0	10M	QPSK	1	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	0.13	0.147	0.203
	LTE Band 14_Ant 0	10M	QPSK	25	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	22.60	24.00	1.380	-0.18	0.116	0.160
63	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	-0.07	0.522	0.721
	LTE Band 14_Ant 0	10M	QPSK	25	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	22.60	24.00	1.380	0.02	0.439	0.606
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	0.16	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	22.60	24.00	1.380	-0.03	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	0.07	0.033	0.046
	LTE Band 14_Ant 0	10M	QPSK	25	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	23330	793	22.60	24.00	1.380	0	0.026	0.036
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	-0.02	0.507	0.700
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	23330	793	23.60	25.00	1.380	0.1	0.493	0.681
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	23330	793	23.60	25.00	1.380	0.04	0.519	0.716
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	23330	793	23.60	25.00	1.380	0.13	0.474	0.654
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	23330	793	23.60	25.00	1.380	-0.18	0.447	0.617
	LTE Band 14_Ant 0	10M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	23330	793	23.60	25.00	1.380	-0.11	0.508	0.701
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	-0.16	0.358	0.402
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	21.52	22.00	1.117	-0.02	0.253	0.283
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	0.15	0.261	0.293
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	21.52	22.00	1.117	-0.09	0.200	0.223
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	0.11	0.604	0.678
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	21.52	22.00	1.117	-0.05	0.526	0.587
64	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	-0.12	0.801	0.899
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	21.52	22.00	1.117	-0.08	0.615	0.687
	LTE Band 25_Ant 1	20M	QPSK	1	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	0.16	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	50	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	21.52	22.00	1.117	0.05	0.001	0.001
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	0.05	0.037	0.042
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	26340	1880	21.52	22.00	1.117	-0.03	0.030	0.034
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	-0.16	0.779	0.874
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	26340	1880	22.50	23.00	1.122	-0.15	0.757	0.849
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	26340	1880	22.50	23.00	1.122	-0.06	0.796	0.893
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	26340	1880	22.50	23.00	1.122	-0.14	0.727	0.816
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	26340	1880	22.50	23.00	1.122	-0.19	0.686	0.770
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	26340	1880	22.50	23.00	1.122	0.01	0.780	0.875



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 26_Ant 0	15M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	-0.13	0.231	0.274
	LTE Band 26_Ant 0	15M	QPSK	36	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.03	23.70	1.167	-0.13	0.198	0.231
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	0.06	0.540	0.640
	LTE Band 26_Ant 0	15M	QPSK	36	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.03	23.70	1.167	-0.03	0.418	0.488
	LTE Band 26_Ant 0	15M	QPSK	1	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	-0.03	0.315	0.374
	LTE Band 26_Ant 0	15M	QPSK	36	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.03	23.70	1.167	0.08	0.274	0.320
65	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	-0.05	0.685	0.812
	LTE Band 26_Ant 0	15M	QPSK	36	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.03	23.70	1.167	-0.07	0.577	0.673
	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	0.05	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.03	23.70	1.167	-0.11	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	-0.12	0.062	0.074
	LTE Band 26_Ant 0	15M	QPSK	36	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	26865	831.5	23.03	23.70	1.167	0.03	0.054	0.063
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	0.06	0.666	0.790
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	26865	831.5	23.96	24.70	1.186	0.02	0.648	0.768
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	26865	831.5	23.96	24.70	1.186	0.12	0.681	0.808
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	26865	831.5	23.96	24.70	1.186	-0.16	0.622	0.738
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	26865	831.5	23.96	24.70	1.186	-0.12	0.587	0.696
	LTE Band 26_Ant 0	15M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	26865	831.5	23.96	24.70	1.186	0.07	0.667	0.791
	LTE Band 5B_Ant 0	10M	QPSK	1	49	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	20475+20574	831.5	23.96	24.7	1.186	0.02	0.655	0.777
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	-0.03	0.354	0.368
	LTE Band 30_Ant 1	10M	QPSK	25	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	21.89	22.00	1.026	0.14	0.295	0.303
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	0.11	0.188	0.196
	LTE Band 30_Ant 1	10M	QPSK	25	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	21.89	22.00	1.026	-0.05	0.150	0.154
66	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	0.02	0.858	0.892
	LTE Band 30_Ant 1	10M	QPSK	25	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	21.89	22.00	1.026	0.18	0.709	0.727
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	0.14	0.848	0.882
	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	21.89	22.00	1.026	-0.17	0.648	0.665
	LTE Band 30_Ant 1	10M	QPSK	1	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	0.17	0.001	0.001
	LTE Band 30_Ant 1	10M	QPSK	25	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	21.89	22.00	1.026	-0.05	0.001	0.001
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	0.01	0.091	0.095
	LTE Band 30_Ant 1	10M	QPSK	25	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	27710	2310	21.89	22.00	1.026	0.1	0.078	0.080
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	-0.16	0.835	0.868
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	27710	2310	22.83	23.00	1.040	0.1	0.811	0.843
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	27710	2310	22.83	23.00	1.040	-0.04	0.853	0.887
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	27710	2310	22.83	23.00	1.040	-0.01	0.779	0.810
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	27710	2310	22.83	23.00	1.040	0	0.734	0.763
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	27710	2310	22.83	23.00	1.040	-0.11	0.836	0.869



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	-0.1	0.338	0.353
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	21.21	21.40	1.045	0.07	0.281	0.294
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	0.18	0.299	0.312
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	21.21	21.40	1.045	-0.1	0.226	0.236
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	0.01	0.713	0.745
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	21.21	21.40	1.045	-0.15	0.596	0.623
67	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	-0.1	0.781	0.816
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	21.21	21.40	1.045	0.19	0.619	0.647
	LTE Band 66_Ant 1	20M	QPSK	1	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	0.07	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	50	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	21.21	21.40	1.045	-0.18	0.001	0.001
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	0.03	0.047	0.049
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322	1745	21.21	21.40	1.045	-0.15	0.038	0.040
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	-0.06	0.760	0.794
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	132322	1745	22.21	22.40	1.045	-0.15	0.738	0.771
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	132322	1745	22.21	22.40	1.045	0.03	0.776	0.811
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	132322	1745	22.21	22.40	1.045	-0.13	0.709	0.741
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	132322	1745	22.21	22.40	1.045	0.16	0.668	0.698
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	132322	1745	22.21	22.40	1.045	-0.15	0.761	0.795
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	132322+132124	1745	21.76	22.40	1.159	0.06	0.678	0.786
	LTE Band 71_Ant 0	20M	QPSK	1	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	-0.01	0.124	0.165
	LTE Band 71_Ant 0	20M	QPSK	50	0	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	22.85	24.00	1.303	-0.08	0.094	0.122
	LTE Band 71_Ant 0	20M	QPSK	1	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	0.05	0.293	0.389
	LTE Band 71_Ant 0	20M	QPSK	50	0	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	22.85	24.00	1.303	0.06	0.252	0.328
	LTE Band 71_Ant 0	20M	QPSK	1	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	-0.09	0.097	0.129
	LTE Band 71_Ant 0	20M	QPSK	50	0	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	22.85	24.00	1.303	-0.08	0.078	0.102
68	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	-0.15	0.317	0.421
	LTE Band 71_Ant 0	20M	QPSK	50	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	22.85	24.00	1.303	0.13	0.318	0.414
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	0.12	0.001	0.001
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	22.85	24.00	1.303	0.03	0.001	0.001
	LTE Band 71_Ant 0	20M	QPSK	1	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	0.18	0.027	0.036
	LTE Band 71_Ant 0	20M	QPSK	50	0	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	133297	680.5	22.85	24.00	1.303	0.16	0.022	0.029
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	-0.02	0.308	0.409
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	133297	680.5	23.77	25.00	1.327	-0.09	0.300	0.398
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	133297	680.5	23.77	25.00	1.327	0.14	0.315	0.418
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	133297	680.5	23.77	25.00	1.327	0.1	0.288	0.382
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	133297	680.5	23.77	25.00	1.327	-0.09	0.272	0.361
	LTE Band 71_Ant 0	20M	QPSK	1	0	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	133297	680.5	23.77	25.00	1.327	0.07	0.309	0.410



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 41_Ant 1	20M	QPSK	1	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	0.08	0.232	0.262
	LTE Band 41_Ant 1	20M	QPSK	50	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	21.34	21.90	1.138	62.9	1.006	0.01	0.173	0.198
	LTE Band 41_Ant 1	20M	QPSK	1	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	0.03	0.103	0.117
	LTE Band 41_Ant 1	20M	QPSK	50	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	21.34	21.90	1.138	62.9	1.006	-0.08	0.082	0.094
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	0.03	0.726	0.821
	LTE Band 41_Ant 1	20M	QPSK	50	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	21.34	21.90	1.138	62.9	1.006	-0.08	0.589	0.674
	LTE Band 41_Ant 1	20M	QPSK	1	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	0.1	0.725	0.820
	LTE Band 41_Ant 1	20M	QPSK	50	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	21.34	21.90	1.138	62.9	1.006	-0.18	0.656	0.751
	LTE Band 41_Ant 1	20M	QPSK	1	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	0.1	0.001	0.001
	LTE Band 41_Ant 1	20M	QPSK	50	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	21.34	21.90	1.138	62.9	1.006	0.12	0.001	0.001
	LTE Band 41_Ant 1	20M	QPSK	1	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	0.08	0.051	0.058
	LTE Band 41_Ant 1	20M	QPSK	50	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	21.34	21.90	1.138	62.9	1.006	-0.17	0.045	0.052
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	-0.09	0.706	0.799
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	40620	2593	22.39	22.90	1.125	62.9	1.006	-0.16	0.686	0.776
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	40620	2593	22.39	22.90	1.125	62.9	1.006	-0.18	0.722	0.817
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	40620	2593	22.39	22.90	1.125	62.9	1.006	-0.07	0.659	0.746
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	40620	2593	22.39	22.90	1.125	62.9	1.006	0.11	0.621	0.703
	LTE Band 41_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	40620	2593	22.39	22.90	1.125	62.9	1.006	-0.08	0.707	0.800
69	LTE Band 41_HPUE_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620	2593	24.76	25.40	1.159	42.9	1.009	-0.01	0.770	0.900
	LTE Band 38C_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	37850+38048	2580	22.15	22.90	1.189	62.9	1.006	0.01	0.658	0.787
	LTE Band 41C_Ant 1	20M	QPSK	1	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	40620+40422	2593	22.18	22.90	1.180	62.9	1.006	-0.09	0.669	0.794
	LTE Band 42_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.15	0.373	0.526
	LTE Band 42_Ant 6	20M	QPSK	50	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	20.09	21.50	1.384	62.9	1.006	0.11	0.294	0.409
	LTE Band 42_Ant 6	20M	QPSK	1	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.02	0.111	0.157
	LTE Band 42_Ant 6	20M	QPSK	50	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	20.09	21.50	1.384	62.9	1.006	0.1	0.078	0.109
	LTE Band 42_Ant 6	20M	QPSK	1	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	0.04	0.098	0.138
	LTE Band 42_Ant 6	20M	QPSK	50	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	20.09	21.50	1.384	62.9	1.006	0.13	0.078	0.109
	LTE Band 42_Ant 6	20M	QPSK	1	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.18	0.059	0.083
	LTE Band 42_Ant 6	20M	QPSK	50	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	20.09	21.50	1.384	62.9	1.006	-0.11	0.064	0.089
	LTE Band 42_Ant 6	20M	QPSK	1	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.16	0.001	0.001
	LTE Band 42_Ant 6	20M	QPSK	50	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	20.09	21.50	1.384	62.9	1.006	-0.15	0.001	0.001
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	0.07	0.478	0.675
	LTE Band 42_Ant 6	20M	QPSK	50	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	20.09	21.50	1.384	62.9	1.006	-0.06	0.460	0.640
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.14	0.412	0.581
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	42590	3500	21.03	22.50	1.403	62.9	1.006	-0.19	0.428	0.604
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	42590	3500	21.03	22.50	1.403	62.9	1.006	0.01	0.420	0.593
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	42590	3500	21.03	22.50	1.403	62.9	1.006	0.06	0.428	0.604
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	42590	3500	21.03	22.50	1.403	62.9	1.006	0.02	0.464	0.655
	LTE Band 42_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	42590	3500	21.03	22.50	1.403	62.9	1.006	0.12	0.416	0.587
70	LTE Band 42_HPUE_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	42590	3500	24.10	25.20	1.288	42.9	1.009	-0.02	0.596	0.775



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	-0.08	0.446	0.528
	LTE Band 43_Ant 6	20M	QPSK	50	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	21.93	22.70	1.194	62.9	1.006	0.13	0.390	0.468
	LTE Band 43_Ant 6	20M	QPSK	1	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.12	0.159	0.188
	LTE Band 43_Ant 6	20M	QPSK	50	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	21.93	22.70	1.194	62.9	1.006	0.03	0.114	0.137
	LTE Band 43_Ant 6	20M	QPSK	1	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.18	0.133	0.158
	LTE Band 43_Ant 6	20M	QPSK	50	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	21.93	22.70	1.194	62.9	1.006	0.16	0.112	0.135
	LTE Band 43_Ant 6	20M	QPSK	1	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	-0.1	0.096	0.114
	LTE Band 43_Ant 6	20M	QPSK	50	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	21.93	22.70	1.194	62.9	1.006	0.07	0.071	0.085
	LTE Band 43_Ant 6	20M	QPSK	1	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.18	0.001	0.001
	LTE Band 43_Ant 6	20M	QPSK	50	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	21.93	22.70	1.194	62.9	1.006	-0.1	0.001	0.001
71	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.06	0.769	0.911
	LTE Band 43_Ant 6	20M	QPSK	50	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	44090	3650	21.93	22.70	1.194	62.9	1.006	0.01	0.728	0.874
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	-0.11	0.639	0.757
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.14	0.664	0.787
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.03	0.651	0.771
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	44090	3650	22.99	23.70	1.178	62.9	1.006	0.1	0.664	0.787
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	44090	3650	22.99	23.70	1.178	62.9	1.006	0.16	0.719	0.852
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	44090	3650	22.99	23.70	1.178	62.9	1.006	-0.06	0.645	0.764
	LTE Band 43_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	-0.15	0.429	0.433
	LTE Band 43_Ant 6	20M	QPSK	50	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	22.66	22.70	1.009	62.9	1.006	0.19	0.361	0.367
	LTE Band 43_Ant 6	20M	QPSK	1	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	0.07	0.155	0.156
	LTE Band 43_Ant 6	20M	QPSK	50	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	22.66	22.70	1.009	62.9	1.006	-0.18	0.140	0.142
	LTE Band 43_Ant 6	20M	QPSK	1	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	0.03	0.090	0.091
	LTE Band 43_Ant 6	20M	QPSK	50	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	22.66	22.70	1.009	62.9	1.006	-0.15	0.073	0.074
	LTE Band 43_Ant 6	20M	QPSK	1	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	-0.15	0.121	0.122
	LTE Band 43_Ant 6	20M	QPSK	50	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	22.66	22.70	1.009	62.9	1.006	0.11	0.097	0.098
	LTE Band 43_Ant 6	20M	QPSK	1	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	-0.08	0.001	0.001
	LTE Band 43_Ant 6	20M	QPSK	50	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	22.66	22.70	1.009	62.9	1.006	-0.17	0.001	0.001
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	0.03	0.901	0.908
	LTE Band 43_Ant 6	20M	QPSK	50	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	45090	3750	22.66	22.70	1.009	62.9	1.006	-0.08	0.677	0.687
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	0.02	0.748	0.754
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	45090	3750	23.69	23.70	1.002	62.9	1.006	-0.16	0.777	0.783
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	45090	3750	23.69	23.70	1.002	62.9	1.006	0.05	0.763	0.769
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	45090	3750	23.69	23.70	1.002	62.9	1.006	-0.03	0.777	0.783
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	45090	3750	23.69	23.70	1.002	62.9	1.006	0.17	0.843	0.850
	LTE Band 43_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	45090	3750	23.69	23.70	1.002	62.9	1.006	-0.15	0.756	0.762



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 48_Ant 6	20M	QPSK	1	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	0.1	0.402	0.501
	LTE Band 48_Ant 6	20M	QPSK	50	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	21.88	22.80	1.236	62.9	1.006	-0.09	0.296	0.368
	LTE Band 48_Ant 6	20M	QPSK	1	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	0.07	0.133	0.166
	LTE Band 48_Ant 6	20M	QPSK	50	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	21.88	22.80	1.236	62.9	1.006	-0.09	0.100	0.124
	LTE Band 48_Ant 6	20M	QPSK	1	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.16	0.116	0.145
	LTE Band 48_Ant 6	20M	QPSK	50	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	21.88	22.80	1.236	62.9	1.006	-0.18	0.108	0.134
	LTE Band 48_Ant 6	20M	QPSK	1	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.07	0.100	0.125
	LTE Band 48_Ant 6	20M	QPSK	50	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	21.88	22.80	1.236	62.9	1.006	0.11	0.059	0.073
	LTE Band 48_Ant 6	20M	QPSK	1	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.08	0.001	0.001
	LTE Band 48_Ant 6	20M	QPSK	50	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	21.88	22.80	1.236	62.9	1.006	-0.1	0.001	0.001
72	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.02	0.730	0.910
	LTE Band 48_Ant 6	20M	QPSK	50	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830	3609	21.88	22.80	1.236	62.9	1.006	-0.01	0.581	0.722
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.09	0.606	0.755
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.06	0.630	0.785
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.17	0.618	0.770
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.01	0.630	0.785
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	55830	3609	22.87	23.80	1.239	62.9	1.006	-0.11	0.683	0.851
	LTE Band 48_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	55830	3609	22.87	23.80	1.239	62.9	1.006	0.14	0.612	0.763
	LTE Band 48C_Ant 6	20M	QPSK	1	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	55830+55632	3641	23.03	23.8	1.194	62.9	1.006	0.09	0.699	0.840

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n7_Ant 1	40M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.99	21.00	1.002	-0.08	0.338	0.339
	FR1 n7_Ant 1	40M	BPSK	108	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	0.06	0.307	0.326
	FR1 n7_Ant 1	40M	BPSK	1	1	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.99	21.00	1.002	0.15	0.153	0.153
	FR1 n7_Ant 1	40M	BPSK	108	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	-0.08	0.145	0.154
	FR1 n7_Ant 1	40M	BPSK	1	1	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.99	21.00	1.002	-0.05	0.678	0.680
73	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	-0.13	0.754	0.801
	FR1 n7_Ant 1	40M	BPSK	1	1	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.99	21.00	1.002	-0.18	0.750	0.752
	FR1 n7_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	-0.08	0.750	0.796
	FR1 n7_Ant 1	40M	BPSK	1	1	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.99	21.00	1.002	0.18	0.012	0.012
	FR1 n7_Ant 1	40M	BPSK	108	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	0.1	0.001	0.001
	FR1 n7_Ant 1	40M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.99	21.00	1.002	0.03	0.001	0.001
	FR1 n7_Ant 1	40M	BPSK	108	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	0.19	0.001	0.001
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	-0.14	0.733	0.778
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	507000	2535	20.74	21.00	1.062	-0.18	0.713	0.757
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	507000	2535	20.74	21.00	1.062	-0.06	0.749	0.795
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	507000	2535	20.74	21.00	1.062	0.02	0.684	0.726
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	507000	2535	20.74	21.00	1.062	0.16	0.645	0.685
	FR1 n7_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	507000	2535	20.74	21.00	1.062	0.01	0.735	0.780



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n12_Ant 0	15M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.08	0.139	0.157
	FR1 n12_Ant 0	15M	BPSK	36	22	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.24	25.00	1.191	-0.07	0.123	0.147
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.11	0.342	0.386
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.24	25.00	1.191	-0.13	0.282	0.336
	FR1 n12_Ant 0	15M	BPSK	1	1	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.04	0.110	0.124
	FR1 n12_Ant 0	15M	BPSK	36	22	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.24	25.00	1.191	0.17	0.106	0.126
74	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	-0.01	0.427	0.482
	FR1 n12_Ant 0	15M	BPSK	36	22	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.24	25.00	1.191	-0.1	0.320	0.381
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.17	0.001	0.001
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.24	25.00	1.191	-0.15	0.001	0.001
	FR1 n12_Ant 0	15M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.18	0.025	0.028
	FR1 n12_Ant 0	15M	BPSK	36	22	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	141500	707.5	24.24	25.00	1.191	0.05	0.017	0.020
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.04	0.415	0.469
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	141500	707.5	24.47	25.00	1.130	0.15	0.404	0.456
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	141500	707.5	24.47	25.00	1.130	0.03	0.424	0.479
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	141500	707.5	24.47	25.00	1.130	-0.1	0.388	0.438
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	141500	707.5	24.47	25.00	1.130	0.14	0.366	0.414
	FR1 n12_Ant 0	15M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	141500	707.5	24.47	25.00	1.130	-0.16	0.416	0.470
	FR1 n13_Ant 0	10M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	-0.02	0.223	0.293
	FR1 n13_Ant 0	10M	BPSK	25	14	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.65	25.00	1.365	0.1	0.198	0.270
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	-0.1	0.357	0.470
	FR1 n13_Ant 0	10M	BPSK	25	14	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.65	25.00	1.365	-0.05	0.310	0.423
	FR1 n13_Ant 0	10M	BPSK	1	1	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	-0.04	0.164	0.216
	FR1 n13_Ant 0	10M	BPSK	25	14	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.65	25.00	1.365	0.01	0.143	0.195
75	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	-0.03	0.599	0.788
	FR1 n13_Ant 0	10M	BPSK	25	14	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.65	25.00	1.365	-0.09	0.510	0.696
	FR1 n13_Ant 0	10M	BPSK	1	1	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	0.03	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	25	14	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.65	25.00	1.365	-0.11	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	-0.16	0.042	0.055
	FR1 n13_Ant 0	10M	BPSK	25	14	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	156400	782	23.65	25.00	1.365	0.15	0.038	0.052
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	-0.15	0.582	0.765
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	156400	782	23.81	25.00	1.315	0.06	0.566	0.744
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	156400	782	23.81	25.00	1.315	0.15	0.595	0.783
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	156400	782	23.81	25.00	1.315	-0.1	0.544	0.715
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	156400	782	23.81	25.00	1.315	0.17	0.513	0.675
	FR1 n13_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	156400	782	23.81	25.00	1.315	0.13	0.583	0.767



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n14_Ant 0	10M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	-0.02	0.257	0.318
	FR1 n14_Ant 0	10M	BPSK	25	14	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	23.91	25.00	1.285	0	0.220	0.283
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	0.1	0.381	0.471
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	23.91	25.00	1.285	0.13	0.312	0.401
	FR1 n14_Ant 0	10M	BPSK	1	1	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	-0.04	0.165	0.204
	FR1 n14_Ant 0	10M	BPSK	25	14	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	23.91	25.00	1.285	-0.12	0.138	0.177
76	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	-0.02	0.626	0.774
	FR1 n14_Ant 0	10M	BPSK	25	14	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	23.91	25.00	1.285	-0.07	0.592	0.761
	FR1 n14_Ant 0	10M	BPSK	1	1	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	-0.03	0.001	0.001
	FR1 n14_Ant 0	10M	BPSK	25	14	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	23.91	25.00	1.285	-0.13	0.001	0.001
	FR1 n14_Ant 0	10M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	0.05	0.051	0.063
	FR1 n14_Ant 0	10M	BPSK	25	14	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	158600	793	23.91	25.00	1.285	-0.15	0.044	0.057
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	-0.11	0.608	0.751
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	158600	793	24.08	25.00	1.236	0.07	0.592	0.732
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	158600	793	24.08	25.00	1.236	0	0.622	0.769
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	158600	793	24.08	25.00	1.236	-0.12	0.568	0.702
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	158600	793	24.08	25.00	1.236	0.19	0.536	0.662
	FR1 n14_Ant 0	10M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	158600	793	24.08	25.00	1.236	-0.01	0.609	0.753
	FR1 n25_Ant 1	40M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.93	22.10	1.040	-0.15	0.355	0.369
	FR1 n25_Ant 1	40M	BPSK	108	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	-0.08	0.344	0.362
	FR1 n25_Ant 1	40M	BPSK	1	1	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.93	22.10	1.040	-0.04	0.206	0.214
	FR1 n25_Ant 1	40M	BPSK	108	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	0.02	0.212	0.223
	FR1 n25_Ant 1	40M	BPSK	1	1	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.93	22.10	1.040	-0.07	0.541	0.563
	FR1 n25_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	-0.08	0.547	0.575
	FR1 n25_Ant 1	40M	BPSK	1	1	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.93	22.10	1.040	0.12	0.753	0.783
77	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	-0.09	0.819	0.862
	FR1 n25_Ant 1	40M	BPSK	1	1	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.93	22.10	1.040	-0.07	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	108	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	-0.05	0.001	0.001
	FR1 n25_Ant 1	40M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.93	22.10	1.040	-0.04	0.044	0.046
	FR1 n25_Ant 1	40M	BPSK	108	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	0.13	0.044	0.046
	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	-0.04	0.797	0.838
	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	376500	1882.5	21.88	22.10	1.052	0.13	0.774	0.814
	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	376500	1882.5	21.88	22.10	1.052	0.12	0.814	0.856
	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	376500	1882.5	21.88	22.10	1.052	0.07	0.743	0.782
	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	376500	1882.5	21.88	22.10	1.052	0.08	0.701	0.737
	FR1 n25_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	376500	1882.5	21.88	22.10	1.052	0.19	0.798	0.839



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n26_Ant 0	20M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.86	24.90	1.009	-0.09	0.230	0.232
	FR1 n26_Ant 0	20M	BPSK	50	28	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	-0.18	0.218	0.222
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.86	24.90	1.009	0.12	0.618	0.624
	FR1 n26_Ant 0	20M	BPSK	50	28	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	0.11	0.487	0.496
	FR1 n26_Ant 0	20M	BPSK	1	1	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.86	24.90	1.009	0.11	0.273	0.276
	FR1 n26_Ant 0	20M	BPSK	50	28	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	-0.06	0.251	0.256
	FR1 n26_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.86	24.90	1.009	-0.02	0.669	0.675
78	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	-0.05	0.710	0.723
	FR1 n26_Ant 0	20M	BPSK	1	1	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.86	24.90	1.009	0.02	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	0.12	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.86	24.90	1.009	0.02	0.046	0.046
	FR1 n26_Ant 0	20M	BPSK	50	28	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	-0.11	0.044	0.045
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	-0.11	0.690	0.703
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	166300	831.5	24.82	24.90	1.019	-0.05	0.671	0.683
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	166300	831.5	24.82	24.90	1.019	0.03	0.706	0.719
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	166300	831.5	24.82	24.90	1.019	-0.06	0.645	0.657
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	166300	831.5	24.82	24.90	1.019	0.01	0.608	0.619
	FR1 n26_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	166300	831.5	24.82	24.90	1.019	-0.03	0.691	0.704
	FR1 n30_Ant 1	10M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.82	24.60	1.197	0.08	0.402	0.481
	FR1 n30_Ant 1	10M	BPSK	25	14	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	0.01	0.384	0.478
	FR1 n30_Ant 1	10M	BPSK	1	1	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.82	24.60	1.197	0.03	0.215	0.257
	FR1 n30_Ant 1	10M	BPSK	25	14	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	-0.08	0.214	0.266
	FR1 n30_Ant 1	10M	BPSK	1	1	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.82	24.60	1.197	-0.08	0.603	0.722
	FR1 n30_Ant 1	10M	BPSK	25	14	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	0.1	0.590	0.734
	FR1 n30_Ant 1	10M	BPSK	1	1	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.82	24.60	1.197	-0.18	0.626	0.749
79	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	-0.1	0.696	0.866
	FR1 n30_Ant 1	10M	BPSK	1	1	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.82	24.60	1.197	0.1	0.001	0.001
	FR1 n30_Ant 1	10M	BPSK	25	14	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	0.12	0.001	0.001
	FR1 n30_Ant 1	10M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.82	24.60	1.197	0.08	0.077	0.092
	FR1 n30_Ant 1	10M	BPSK	25	14	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	-0.17	0.072	0.090
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	0.08	0.677	0.843
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	462000	2310	23.65	24.60	1.245	0.01	0.658	0.819
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	462000	2310	23.65	24.60	1.245	0.03	0.692	0.861
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	462000	2310	23.65	24.60	1.245	-0.08	0.632	0.787
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	462000	2310	23.65	24.60	1.245	-0.08	0.596	0.742
	FR1 n30_Ant 1	10M	BPSK	25	14	Right Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	462000	2310	23.65	24.60	1.245	0.1	0.678	0.844



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n66_Ant 1	40M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.49	22.00	1.125	0.01	0.319	0.359
	FR1 n66_Ant 1	40M	BPSK	108	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	0.1	0.326	0.396
	FR1 n66_Ant 1	40M	BPSK	1	1	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.49	22.00	1.125	-0.17	0.236	0.265
	FR1 n66_Ant 1	40M	BPSK	108	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	0.04	0.241	0.293
	FR1 n66_Ant 1	40M	BPSK	1	1	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.49	22.00	1.125	-0.01	0.545	0.613
	FR1 n66_Ant 1	40M	BPSK	108	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	-0.08	0.573	0.697
	FR1 n66_Ant 1	40M	BPSK	1	1	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.49	22.00	1.125	0.05	0.703	0.791
80	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	0.08	0.734	0.893
	FR1 n66_Ant 1	40M	BPSK	1	1	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.49	22.00	1.125	0.06	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	108	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	-0.09	0.001	0.001
	FR1 n66_Ant 1	40M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.49	22.00	1.125	-0.08	0.038	0.043
	FR1 n66_Ant 1	40M	BPSK	108	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	0.13	0.040	0.049
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	-0.06	0.714	0.868
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	349000	1745	21.15	22.00	1.216	0	0.694	0.844
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	349000	1745	21.15	22.00	1.216	-0.03	0.730	0.888
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	349000	1745	21.15	22.00	1.216	0.07	0.666	0.810
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	349000	1745	21.15	22.00	1.216	-0.12	0.628	0.764
	FR1 n66_Ant 1	40M	BPSK	108	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	349000	1745	21.15	22.00	1.216	-0.03	0.715	0.870
	FR1 n71_Ant 0	20M	BPSK	1	1	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	-0.19	0.157	0.191
	FR1 n71_Ant 0	20M	BPSK	50	28	Front	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.10	25.00	1.230	-0.03	0.125	0.154
	FR1 n71_Ant 0	20M	BPSK	1	1	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	-0.08	0.315	0.382
	FR1 n71_Ant 0	20M	BPSK	50	28	Back	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.10	25.00	1.230	0.1	0.289	0.356
	FR1 n71_Ant 0	20M	BPSK	1	1	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	0.15	0.093	0.113
	FR1 n71_Ant 0	20M	BPSK	50	28	Top Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.10	25.00	1.230	0.12	0.079	0.097
81	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	-0.03	0.377	0.457
	FR1 n71_Ant 0	20M	BPSK	50	28	Right Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.10	25.00	1.230	-0.12	0.341	0.420
	FR1 n71_Ant 0	20M	BPSK	1	1	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	-0.15	0.001	0.001
	FR1 n71_Ant 0	20M	BPSK	50	28	Bottom Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.10	25.00	1.230	-0.19	0.001	0.001
	FR1 n71_Ant 0	20M	BPSK	1	1	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	-0.13	0.030	0.036
	FR1 n71_Ant 0	20M	BPSK	50	28	Left Edge	0mm	Ant 0	S0803FR	DSI 0	AlphaNumeric	136100	680.5	24.10	25.00	1.230	-0.05	0.028	0.034
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0703	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	-0.12	0.366	0.444
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803	DSI 0	AlphaNumeric	136100	680.5	24.16	25.00	1.213	0.18	0.356	0.432
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Numeric	136100	680.5	24.16	25.00	1.213	0.14	0.375	0.455
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	Large Numeric	136100	680.5	24.16	25.00	1.213	0.03	0.342	0.415
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	53keys	136100	680.5	24.16	25.00	1.213	0.09	0.323	0.392
	FR1 n71_Ant 0	20M	BPSK	1	1	Right Edge	0mm	Ant 0	S0803FR	DSI 0	42keys	136100	680.5	24.16	25.00	1.213	-0.13	0.367	0.445



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n41_Ant 1	100M	BPSK	1	1	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.52	21.60	1.282	-0.03	0.273	0.350
	FR1 n41_Ant 1	100M	BPSK	135	0	Front	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	0.09	0.267	0.359
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.52	21.60	1.282	0.06	0.130	0.167
	FR1 n41_Ant 1	100M	BPSK	135	0	Back	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	-0.04	0.126	0.170
	FR1 n41_Ant 1	100M	BPSK	1	1	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.52	21.60	1.282	0.17	0.651	0.835
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	-0.06	0.654	0.880
	FR1 n41_Ant 1	100M	BPSK	1	1	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.52	21.60	1.282	0.06	0.640	0.821
	FR1 n41_Ant 1	100M	BPSK	135	0	Right Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	0.01	0.642	0.864
	FR1 n41_Ant 1	100M	BPSK	1	1	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.52	21.60	1.282	-0.11	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	135	0	Bottom Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	0.03	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.52	21.60	1.282	0.09	0.076	0.097
	FR1 n41_Ant 1	100M	BPSK	135	0	Left Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	-0.02	0.064	0.086
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0703	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	0.02	0.636	0.856
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0803	DSI 0	AlphaNumeric	518598	2592.99	20.31	21.60	1.346	0.12	0.618	0.832
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Numeric	518598	2592.99	20.31	21.60	1.346	0.02	0.650	0.875
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	Large Numeric	518598	2592.99	20.31	21.60	1.346	-0.03	0.593	0.798
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	53keys	518598	2592.99	20.31	21.60	1.346	0	0.560	0.754
	FR1 n41_Ant 1	100M	BPSK	135	0	Top Edge	0mm	Ant 1	S0803FR	DSI 0	42keys	518598	2592.99	20.31	21.60	1.346	-0.1	0.637	0.857
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Top Edge	0mm	Ant 1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	23.22	24.60	1.374	0.15	0.631	0.867
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Front	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	-0.1	0.127	0.130
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Front	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	-0.1	0.332	0.352
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Front	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.19	20.50	1.074	0.01	0.117	0.126
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Front	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	19.90	20.50	1.148	0.01	0.305	0.350
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Back	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	0.02	0.173	0.177
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Back	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	0.02	0.241	0.255
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Back	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.19	20.50	1.074	0.02	0.155	0.166
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Back	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	19.90	20.50	1.148	0.02	0.220	0.253
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Top Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	0.03	0.805	0.826
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Top Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	0.03	0.457	0.484
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Top Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.19	20.50	1.074	0.06	0.822	0.883
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Top Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	19.90	20.50	1.148	0.06	0.462	0.530
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Right Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	-0.01	0.599	0.614
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Right Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	-0.01	0.001	0.001
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Right Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.19	20.50	1.074	0.02	0.535	0.575
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Right Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	19.90	20.50	1.148	0.02	0.001	0.001
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Bottom Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	0	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Bottom Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	0	0.001	0.001
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Bottom Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.19	20.50	1.074	0	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Bottom Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	19.90	20.50	1.148	0	0.001	0.001
82	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.06	20.50	1.107	0.07	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	0.07	0.977	1.035
	FR1 n41_Ant 2+1(1)	100M	BPSK	135	69	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	20.19	20.50	1.074	0.02	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	135	69	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	19.90	20.50	1.148	0.02	0.885	1.016
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0703	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	0.05	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0703	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	0.05	0.940	0.996
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803	DSI 0	AlphaNumeric	518598	2592.99	20.39	20.50	1.026	0.07	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803	DSI 0	AlphaNumeric	518598	2592.99	20.25	20.50	1.059	0.07	0.930	0.985
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	Numeric	518598	2592.99	20.39	20.50	1.026	-0.05	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	Numeric	518598	2592.99	20.25	20.50	1.059	-0.05	0.928	0.983
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	Large Numeric	518598	2592.99	20.39	20.50	1.026	-0.08	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	Large Numeric	518598	2592.99	20.25	20.50	1.059	-0.08	0.946	1.002
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	53keys	518598	2592.99	20.39	20.50	1.026	0.01	0.001	0.001



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	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	53keys	518598	2592.99	20.25	20.50	1.059	0.01	0.960	1.017
	FR1 n41_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	42keys	518598	2592.99	20.39	20.50	1.026	0.03	0.001	0.001
	FR1 n41_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	42keys	518598	2592.99	20.25	20.50	1.059	0.03	0.945	1.001
	FR1 n41_HPUE_Ant 2+1(1)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	23.19	23.50	1.074	0.02	0.001	0.001
	FR1 n41_HPUE_Ant 2+1(2)	100M	BPSK	1	1	Left Edge	0mm	Ant 2+1	S0803FR	DSI 0	AlphaNumeric	518598	2592.99	22.94	23.50	1.138	0.02	0.855	0.973
	FR1 n48_Ant 3	40M	BPSK	1	1	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	-0.08	0.215	0.278
	FR1 n48_Ant 3	40M	BPSK	50	0	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.19	22.50	1.352	0.1	0.210	0.284
	FR1 n48_Ant 3	40M	BPSK	1	1	Back	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	-0.18	0.208	0.269
	FR1 n48_Ant 3	40M	BPSK	50	0	Back	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.19	22.50	1.352	0.1	0.205	0.277
	FR1 n48_Ant 3	40M	BPSK	1	1	Top Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	0.12	0.042	0.054
	FR1 n48_Ant 3	40M	BPSK	50	0	Top Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.19	22.50	1.352	0.08	0.022	0.030
	FR1 n48_Ant 3	40M	BPSK	1	1	Right Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	-0.17	0.022	0.028
	FR1 n48_Ant 3	40M	BPSK	50	0	Right Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.19	22.50	1.352	-0.03	0.014	0.019
	FR1 n48_Ant 3	40M	BPSK	1	1	Bottom Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	0.14	0.002	0.003
	FR1 n48_Ant 3	40M	BPSK	50	0	Bottom Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.19	22.50	1.352	0.11	0.002	0.003
83	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	0.02	0.918	1.185
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	638000	3570	21.36	22.50	1.300	0.16	0.815	1.060
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	645332	3679.98	21.35	22.50	1.303	0.11	0.798	1.040
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0703	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	0.18	0.772	0.997
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803	DSI 0	AlphaNumeric	641666	3624.99	21.39	22.50	1.291	0.14	0.473	0.611
	FR1 n48_Ant 3	40M	BPSK	50	0	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.19	22.50	1.352	-0.05	0.810	1.095
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	Numeric	641666	3624.99	21.39	22.50	1.291	-0.17	0.732	0.945
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	Large Numeric	641666	3624.99	21.39	22.50	1.291	0.17	0.676	0.873
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	53keys	641666	3624.99	21.39	22.50	1.291	-0.05	0.653	0.843
	FR1 n48_Ant 3	40M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	42keys	641666	3624.99	21.39	22.50	1.291	0.01	0.631	0.815
	FR1 n48_Ant 4	40M	BPSK	1	1	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	-0.03	0.120	0.186
	FR1 n48_Ant 4	40M	BPSK	50	0	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.36	21.30	1.563	0.14	0.115	0.180
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	0.11	0.098	0.152
	FR1 n48_Ant 4	40M	BPSK	50	0	Back	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.36	21.30	1.563	-0.05	0.100	0.156
	FR1 n48_Ant 4	40M	BPSK	1	1	Top Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	0.18	0.001	0.002
	FR1 n48_Ant 4	40M	BPSK	50	0	Top Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.36	21.30	1.563	0.14	0.001	0.002
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	0.04	0.475	0.737
	FR1 n48_Ant 4	40M	BPSK	50	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.36	21.30	1.563	-0.17	0.436	0.682
	FR1 n48_Ant 4	40M	BPSK	1	1	Bottom Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	0.17	0.001	0.002
	FR1 n48_Ant 4	40M	BPSK	50	0	Bottom Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.36	21.30	1.563	-0.05	0.001	0.002
	FR1 n48_Ant 4	40M	BPSK	1	1	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	0.01	0.001	0.002
	FR1 n48_Ant 4	40M	BPSK	50	0	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	19.36	21.30	1.563	0.1	0.001	0.002
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0703	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	-0.05	0.400	0.621
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803	DSI 0	AlphaNumeric	641666	3624.99	19.39	21.30	1.552	0.14	0.245	0.380
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	Numeric	641666	3624.99	19.39	21.30	1.552	-0.01	0.379	0.588
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	Large Numeric	641666	3624.99	19.39	21.30	1.552	-0.12	0.350	0.543
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	53keys	641666	3624.99	19.39	21.30	1.552	0.07	0.338	0.525
	FR1 n48_Ant 4	40M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	42keys	641666	3624.99	19.39	21.30	1.552	0.09	0.327	0.508
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	0.01	0.386	0.407
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	0.01	0.373	0.442
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.40	21.00	1.148	0.02	0.354	0.406
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.08	21.00	1.236	0.02	0.342	0.423
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	0.07	0.132	0.139
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	0.07	0.134	0.159
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.40	21.00	1.148	0.02	0.121	0.139
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.08	21.00	1.236	0.02	0.123	0.152
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	-0.12	0.001	0.001
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	-0.12	0.150	0.178
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.40	21.00	1.148	0.03	0.001	0.001
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.08	21.00	1.236	0.03	0.122	0.151
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	0	0.099	0.104



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	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	0	0.099	0.117
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.40	21.00	1.148	0	0.081	0.093
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.08	21.00	1.236	0	0.081	0.100
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	-0.1	0.038	0.040
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	-0.1	0.001	0.001
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.40	21.00	1.148	-0.15	0.038	0.044
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.08	21.00	1.236	-0.15	0.001	0.001
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	-0.08	0.599	0.632
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	-0.08	0.755	0.895
	FR1 n48_Ant 5+6(5)	40M	BPSK	50	28	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.40	21.00	1.148	0.07	0.542	0.622
	FR1 n48_Ant 5+6(6)	40M	BPSK	50	28	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	20.08	21.00	1.236	0.07	0.683	0.844
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	0.04	0.568	0.599
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	0.11	0.716	0.849
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	641666	3624.99	20.77	21.00	1.054	-0.13	0.523	0.551
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	641666	3624.99	20.26	21.00	1.186	0.12	0.659	0.781
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Numeric	641666	3624.99	20.77	21.00	1.054	-0.11	0.594	0.626
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Numeric	641666	3624.99	20.26	21.00	1.186	0.17	0.749	0.888
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	641666	3624.99	20.77	21.00	1.054	-0.16	0.551	0.581
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	641666	3624.99	20.26	21.00	1.186	-0.17	0.695	0.824
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	53keys	641666	3624.99	20.77	21.00	1.054	0.11	0.577	0.608
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	53keys	641666	3624.99	20.26	21.00	1.186	-0.05	0.727	0.862
	FR1 n48_Ant 5+6(5)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	42keys	641666	3624.99	20.77	21.00	1.054	-0.01	0.508	0.536
	FR1 n48_Ant 5+6(6)	40M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	42keys	641666	3624.99	20.26	21.00	1.186	-0.14	0.640	0.759
	FR1 n48_Ant 6	40M	BPSK	1	1	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	0.12	0.572	0.642
	FR1 n48_Ant 6	40M	BPSK	50	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.49	22.30	1.205	-0.16	0.537	0.647
	FR1 n48_Ant 6	40M	BPSK	1	1	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	-0.12	0.169	0.190
	FR1 n48_Ant 6	40M	BPSK	50	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.49	22.30	1.205	0.07	0.151	0.182
	FR1 n48_Ant 6	40M	BPSK	1	1	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	-0.02	0.211	0.237
	FR1 n48_Ant 6	40M	BPSK	50	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.49	22.30	1.205	-0.05	0.213	0.257
	FR1 n48_Ant 6	40M	BPSK	1	1	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	-0.13	0.102	0.114
	FR1 n48_Ant 6	40M	BPSK	50	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.49	22.30	1.205	0.08	0.127	0.153
	FR1 n48_Ant 6	40M	BPSK	1	1	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	0.16	0.001	0.001
	FR1 n48_Ant 6	40M	BPSK	50	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.49	22.30	1.205	0.01	0.001	0.001
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	0.03	0.990	1.111
	FR1 n48_Ant 6	40M	BPSK	50	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	641666	3624.99	21.49	22.30	1.205	-0.16	0.905	1.091
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	0.1	0.822	0.922
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	641666	3624.99	21.80	22.30	1.122	-0.04	0.854	0.958
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	641666	3624.99	21.80	22.30	1.122	-0.01	0.838	0.940
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	641666	3624.99	21.80	22.30	1.122	0	0.854	0.958
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	641666	3624.99	21.80	22.30	1.122	-0.11	0.926	1.039
	FR1 n48_Ant 6	40M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	641666	3624.99	21.80	22.30	1.122	-0.06	0.830	0.931



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Scanner	Power State	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	0.07	0.158	0.187
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.09	20.00	1.233	-0.18	0.155	0.191
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	0.03	0.177	0.210
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.09	20.00	1.233	-0.15	0.166	0.205
	FR1 n77_Ant 3	100M	BPSK	1	1	Top Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	-0.15	0.022	0.026
	FR1 n77_Ant 3	100M	BPSK	135	0	Top Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.09	20.00	1.233	0.11	0.030	0.037
	FR1 n77_Ant 3	100M	BPSK	1	1	Right Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	-0.08	0.035	0.042
	FR1 n77_Ant 3	100M	BPSK	135	0	Right Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.09	20.00	1.233	-0.17	0.028	0.035
	FR1 n77_Ant 3	100M	BPSK	1	1	Bottom Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	-0.08	0.002	0.002
	FR1 n77_Ant 3	100M	BPSK	135	0	Bottom Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.09	20.00	1.233	-0.04	0.002	0.002
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	0.01	0.695	0.824
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.09	20.00	1.233	-0.08	0.663	0.818
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0703	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	0.17	0.585	0.694
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803	DSI 0	AlphaNumeric	656000	3840	19.26	20.00	1.186	0.18	0.358	0.425
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	Numeric	656000	3840	19.26	20.00	1.186	-0.04	0.554	0.657
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	Large Numeric	656000	3840	19.26	20.00	1.186	-0.08	0.512	0.607
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	53keys	656000	3840	19.26	20.00	1.186	-0.13	0.494	0.586
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	42keys	656000	3840	19.26	20.00	1.186	-0.13	0.478	0.567
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	656000	3840	22.73	23.40	1.167	-0.03	0.696	0.812
	FR1 n77_Ant 3	100M	BPSK	1	1	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	0.08	0.196	0.237
	FR1 n77_Ant 3	100M	BPSK	135	0	Front	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	18.96	20.00	1.271	-0.07	0.185	0.235
	FR1 n77_Ant 3	100M	BPSK	1	1	Back	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	0.05	0.214	0.258
	FR1 n77_Ant 3	100M	BPSK	135	0	Back	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	18.96	20.00	1.271	-0.11	0.201	0.255
	FR1 n77_Ant 3	100M	BPSK	1	1	Top Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	-0.12	0.016	0.019
	FR1 n77_Ant 3	100M	BPSK	135	0	Top Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	18.96	20.00	1.271	0.03	0.024	0.030
	FR1 n77_Ant 3	100M	BPSK	1	1	Right Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	-0.16	0.040	0.048
	FR1 n77_Ant 3	100M	BPSK	135	0	Right Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	18.96	20.00	1.271	-0.02	0.027	0.034
	FR1 n77_Ant 3	100M	BPSK	1	1	Bottom Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	0.15	0.002	0.002
	FR1 n77_Ant 3	100M	BPSK	135	0	Bottom Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	18.96	20.00	1.271	-0.09	0.002	0.003
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	0	0.605	0.731
	FR1 n77_Ant 3	100M	BPSK	135	0	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	18.96	20.00	1.271	0.11	0.556	0.706
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0703	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	-0.05	0.509	0.615
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803	DSI 0	AlphaNumeric	633332	3499.98	19.18	20.00	1.208	-0.08	0.312	0.377
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	Numeric	633332	3499.98	19.18	20.00	1.208	0.16	0.483	0.583
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	Large Numeric	633332	3499.98	19.18	20.00	1.208	0.05	0.446	0.539
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	53keys	633332	3499.98	19.18	20.00	1.208	0.05	0.430	0.519
	FR1 n77_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	42keys	633332	3499.98	19.18	20.00	1.208	-0.03	0.416	0.502
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Left Edge	0mm	Ant 3	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	22.66	23.40	1.186	-0.15	0.455	0.540
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	17.05	17.40	1.084	0.08	0.146	0.158
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	0.01	0.149	0.164
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	17.05	17.40	1.084	0.03	0.131	0.142
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	-0.08	0.119	0.131
	FR1 n77_Ant 4	100M	BPSK	1	1	Top Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	17.05	17.40	1.084	-0.08	0.013	0.014
	FR1 n77_Ant 4	100M	BPSK	135	0	Top Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	0.1	0.015	0.017
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	17.05	17.40	1.084	-0.18	0.668	0.724
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	0.04	0.734	0.809
	FR1 n77_Ant 4	100M	BPSK	1	1	Bottom Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	17.05	17.40	1.084	0.1	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	135	0	Bottom Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	0.12	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	1	1	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	17.05	17.40	1.084	0.08	0.027	0.029
	FR1 n77_Ant 4	100M	BPSK	135	0	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	-0.17	0.024	0.026
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0703	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	-0.03	0.618	0.681
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803	DSI 0	AlphaNumeric	656000	3840	16.98	17.40	1.102	0.14	0.378	0.416



FCC SAR TEST REPORT

Report No. : FA461705-01A

	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	Numeric	656000	3840	16.98	17.40	1.102	0.11	0.585	0.644
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	Large Numeric	656000	3840	16.98	17.40	1.102	-0.05	0.541	0.596
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	53keys	656000	3840	16.98	17.40	1.102	0.18	0.522	0.575
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	42keys	656000	3840	16.98	17.40	1.102	0.14	0.505	0.556
	FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.39	20.40	1.262	-0.05	0.639	0.806
	FR1 n77_Ant 4	100M	BPSK	1	1	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.30	17.40	1.023	0.01	0.082	0.084
	FR1 n77_Ant 4	100M	BPSK	135	0	Front	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	0.1	0.085	0.091
	FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.30	17.40	1.023	-0.17	0.081	0.083
	FR1 n77_Ant 4	100M	BPSK	135	0	Back	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	0.04	0.083	0.089
	FR1 n77_Ant 4	100M	BPSK	1	1	Top Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.30	17.40	1.023	-0.01	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	135	0	Top Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	-0.08	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.30	17.40	1.023	0.05	0.349	0.357
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	-0.01	0.362	0.387
	FR1 n77_Ant 4	100M	BPSK	1	1	Bottom Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.30	17.40	1.023	0.06	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	135	0	Bottom Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	-0.09	0.001	0.001
	FR1 n77_Ant 4	100M	BPSK	1	1	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.30	17.40	1.023	-0.08	0.015	0.015
	FR1 n77_Ant 4	100M	BPSK	135	0	Left Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	0.13	0.015	0.016
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0703	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	0.12	0.305	0.326
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803	DSI 0	AlphaNumeric	633332	3499.98	17.11	17.40	1.069	0.03	0.186	0.199
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	Numeric	633332	3499.98	17.11	17.40	1.069	0.18	0.289	0.309
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	Large Numeric	633332	3499.98	17.11	17.40	1.069	0.16	0.267	0.285
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	53keys	633332	3499.98	17.11	17.40	1.069	-0.1	0.257	0.275
	FR1 n77_Ant 4	100M	BPSK	135	0	Right Edge	0mm	Ant 4	S0803FR	DSI 0	42keys	633332	3499.98	17.11	17.40	1.069	0.07	0.249	0.266
	FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Right Edge	0mm	Ant 4	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.83	20.40	1.140	0.18	0.262	0.299
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.44	20.50	1.276	-0.19	0.310	0.396
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.97	20.50	1.422	-0.19	0.323	0.459
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	0.06	0.372	0.514
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	0.06	0.387	0.594
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.44	20.50	1.276	0.12	0.160	0.204
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.97	20.50	1.422	0.12	0.167	0.238
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	-0.12	0.171	0.236
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	-0.12	0.178	0.273
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.44	20.50	1.276	-0.02	0.067	0.086
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.97	20.50	1.422	-0.02	0.070	0.100
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	-0.13	0.059	0.081
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	-0.13	0.062	0.095
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.44	20.50	1.276	0.16	0.069	0.088
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.97	20.50	1.422	0.16	0.072	0.102
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	-0.16	0.075	0.104
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	-0.16	0.078	0.120
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.44	20.50	1.276	-0.04	0.001	0.001
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.97	20.50	1.422	-0.04	0.001	0.001
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	0	0.001	0.001
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	0	0.001	0.002
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.44	20.50	1.276	-0.02	0.449	0.573
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.97	20.50	1.422	-0.02	0.467	0.664
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	-0.06	0.448	0.618
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	-0.06	0.465	0.714
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	0	0.426	0.588
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	0	0.443	0.680
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	656000	3840	19.10	20.50	1.380	-0.02	0.392	0.541
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	656000	3840	18.64	20.50	1.535	-0.02	0.408	0.626
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Numeric	656000	3840	19.10	20.50	1.380	0.12	0.445	0.614
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Numeric	656000	3840	18.64	20.50	1.535	0.12	0.463	0.711
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	656000	3840	19.10	20.50	1.380	-0.04	0.413	0.570
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	656000	3840	18.64	20.50	1.535	-0.04	0.430	0.660



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	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	53keys	656000	3840	19.10	20.50	1.380	0.06	0.433	0.598
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	53keys	656000	3840	18.64	20.50	1.535	0.06	0.450	0.691
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	42keys	656000	3840	19.10	20.50	1.380	0	0.380	0.525
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	42keys	656000	3840	18.64	20.50	1.535	0	0.396	0.608
	FR1 n77_HPUE_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	22.50	23.00	1.122	-0.19	0.496	0.557
	FR1 n77_HPUE_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	656000	3840	22.00	23.00	1.259	-0.19	0.516	0.650
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.56	20.50	1.242	-0.13	0.179	0.222
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.52	20.50	1.253	-0.13	0.299	0.375
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	-0.09	0.181	0.232
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Front	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	-0.09	0.303	0.413
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.56	20.50	1.242	0.02	0.050	0.062
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.52	20.50	1.253	0.02	0.084	0.105
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	0.17	0.050	0.064
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Back	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	0.17	0.083	0.113
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.56	20.50	1.242	0	0.056	0.070
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.52	20.50	1.253	0	0.094	0.118
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	-0.15	0.062	0.079
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Top Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	-0.15	0.103	0.140
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.56	20.50	1.242	-0.02	0.042	0.052
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.52	20.50	1.253	-0.02	0.071	0.089
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	0.04	0.038	0.049
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Right Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	0.04	0.063	0.086
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.56	20.50	1.242	-0.18	0.001	0.001
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.52	20.50	1.253	-0.18	0.001	0.001
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	-0.16	0.001	0.001
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Bottom Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	-0.16	0.001	0.001
	FR1 n77_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.56	20.50	1.242	-0.06	0.278	0.345
	FR1 n77_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.52	20.50	1.253	-0.06	0.278	0.348
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	-0.07	0.276	0.353
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	-0.07	0.461	0.628
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	-0.04	0.262	0.335
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0703	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	-0.04	0.437	0.595
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	633332	3499.98	19.43	20.50	1.279	-0.02	0.241	0.308
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803	DSI 0	AlphaNumeric	633332	3499.98	19.16	20.50	1.361	-0.02	0.403	0.549
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Numeric	633332	3499.98	19.43	20.50	1.279	0.06	0.274	0.351
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Numeric	633332	3499.98	19.16	20.50	1.361	0.06	0.457	0.622
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	633332	3499.98	19.43	20.50	1.279	0.12	0.254	0.325
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	Large Numeric	633332	3499.98	19.16	20.50	1.361	0.12	0.424	0.577
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	53keys	633332	3499.98	19.43	20.50	1.279	0	0.266	0.340
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	53keys	633332	3499.98	19.16	20.50	1.361	0	0.444	0.604
	FR1 n77_Ant 5+6(5)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	42keys	633332	3499.98	19.43	20.50	1.279	0.06	0.234	0.299
	FR1 n77_Ant 5+6(6)	100M	BPSK	135	0	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	42keys	633332	3499.98	19.16	20.50	1.361	0.06	0.391	0.532
	FR1 n77_HPUE_Ant 5+6(5)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	22.64	23.00	1.086	-0.04	0.256	0.278
	FR1 n77_HPUE_Ant 5+6(6)	100M	BPSK	1	1	Left Edge	0mm	Ant 5+6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	22.45	23.00	1.135	-0.04	0.449	0.510
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	-0.08	0.423	0.480
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.18	21.90	1.180	-0.17	0.411	0.485
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	-0.08	0.177	0.201
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.18	21.90	1.180	-0.04	0.194	0.229
	FR1 n77_Ant 6	100M	BPSK	1	1	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	-0.08	0.102	0.116
	FR1 n77_Ant 6	100M	BPSK	135	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.18	21.90	1.180	0.17	0.090	0.106
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	0.18	0.103	0.117
	FR1 n77_Ant 6	100M	BPSK	135	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.18	21.90	1.180	-0.04	0.096	0.113
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	-0.08	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	135	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.18	21.90	1.180	-0.13	0.001	0.001
84	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	-0.04	0.854	0.969
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	21.18	21.90	1.180	-0.13	0.798	0.942



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	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	0.06	0.709	0.805
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	656000	3840	21.35	21.90	1.135	-0.03	0.737	0.837
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	656000	3840	21.35	21.90	1.135	-0.03	0.723	0.821
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	656000	3840	21.35	21.90	1.135	0.08	0.737	0.837
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	656000	3840	21.35	21.90	1.135	-0.07	0.799	0.907
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	656000	3840	21.35	21.90	1.135	0.05	0.716	0.813
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	656000	3840	24.01	25.00	1.256	0.03	0.741	0.931
	FR1 n77_Ant 6	100M	BPSK	1	1	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.81	21.90	1.021	0.12	0.523	0.534
	FR1 n77_Ant 6	100M	BPSK	135	0	Front	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	0.08	0.505	0.556
	FR1 n77_Ant 6	100M	BPSK	1	1	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.81	21.90	1.021	-0.17	0.172	0.176
	FR1 n77_Ant 6	100M	BPSK	135	0	Back	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	-0.03	0.163	0.180
	FR1 n77_Ant 6	100M	BPSK	1	1	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.81	21.90	1.021	0.14	0.163	0.166
	FR1 n77_Ant 6	100M	BPSK	135	0	Top Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	0.11	0.167	0.184
	FR1 n77_Ant 6	100M	BPSK	1	1	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.81	21.90	1.021	-0.05	0.103	0.105
	FR1 n77_Ant 6	100M	BPSK	135	0	Right Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	0.18	0.112	0.123
	FR1 n77_Ant 6	100M	BPSK	1	1	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.81	21.90	1.021	0.14	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	135	0	Bottom Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	-0.17	0.001	0.001
	FR1 n77_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.81	21.90	1.021	0.17	0.894	0.913
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	0.02	0.870	0.958
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0703	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	-0.05	0.723	0.796
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803	DSI 0	AlphaNumeric	633332	3499.98	21.48	21.90	1.102	0.01	0.751	0.827
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Numeric	633332	3499.98	21.48	21.90	1.102	0.1	0.737	0.812
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	Large Numeric	633332	3499.98	21.48	21.90	1.102	-0.17	0.751	0.827
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	53keys	633332	3499.98	21.48	21.90	1.102	0.04	0.814	0.897
	FR1 n77_Ant 6	100M	BPSK	135	0	Left Edge	0mm	Ant 6	S0803FR	DSI 0	42keys	633332	3499.98	21.48	21.90	1.102	-0.01	0.730	0.804
	FR1 n77_HPUE_Ant 6	100M	BPSK	1	1	Left Edge	0mm	Ant 6	S0803FR	DSI 0	AlphaNumeric	633332	3499.98	24.48	25.00	1.127	-0.08	0.771	0.869



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.01	0.079	0.115
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.01	0.124	0.154
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.03	0.073	0.106
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.03	0.133	0.166
	WLAN2.4GHz	802.11b 1Mbps	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.15	0.146	0.212
85	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.02	0.254	0.316
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	0.12	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.12	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	14.92	16.50	1.439	99	1.010	-0.12	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.12	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.15	0.247	0.308
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.19	0.240	0.299
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.13	0.252	0.314
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.05	0.230	0.286
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	-0.12	0.217	0.270
	WLAN2.4GHz	802.11b 1Mbps	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	11	2462	DBS/Non-DBS	15.59	16.50	1.233	99	1.010	0.18	0.247	0.308
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Non-DBS	14.65	15.50	1.216	99	1.010	0.02	0.072	0.088
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	0.02	0.035	0.054
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Non-DBS	14.65	15.50	1.216	99	1.010	-0.11	0.044	0.054
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	-0.11	0.022	0.034
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Non-DBS	14.65	15.50	1.216	99	1.010	0.03	0.315	0.387
86	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	0.18	0.554	0.859
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Non-DBS	14.65	15.50	1.216	99	1.010	-0.06	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	-0.06	0.001	0.002
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	54	5270	Non-DBS	14.65	15.50	1.216	99	1.010	0.01	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	0.01	0.001	0.002
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	-0.03	0.539	0.835
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	0.03	0.524	0.812
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	-0.17	0.551	0.854
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	0.02	0.503	0.780
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	-0.11	0.474	0.735
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	54	5270	Non-DBS	13.64	15.50	1.535	99	1.010	0.18	0.540	0.837
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	DBS	13.84	14.50	1.164	99	1.010	0.16	0.074	0.087
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	0.16	0.037	0.055
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	DBS	13.84	14.50	1.164	99	1.010	0.13	0.033	0.039
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	0.13	0.017	0.025
	WLAN5GHz	802.11n-HT40 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	DBS	13.84	14.50	1.164	99	1.010	0.12	0.438	0.515
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	0.16	0.552	0.815
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	DBS	13.84	14.50	1.164	99	1.010	0.19	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	0.19	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	62	5310	DBS	13.84	14.50	1.164	99	1.010	-0.09	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	-0.09	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	-0.12	0.537	0.793
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	0.07	0.522	0.771
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	-0.18	0.549	0.811
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	62	5310	DBS	12.85	14.50	1.462	99	1.010	-0.06	0.501	0.740
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	62	5310	DBS	12.85	14.50	1.462	99	1.010	0.07	0.472	0.697
	WLAN5GHz	802.11n-HT40 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	62	5310	DBS	12.85	14.50	1.462	99	1.010	-0.15	0.538	0.795
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Non-DBS	14.77	15.00	1.054	99	1.010	-0.15	0.195	0.208
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.15	0.101	0.144
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Non-DBS	14.77	15.00	1.054	99	1.010	-0.04	0.054	0.058



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	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.02	0.036	0.051
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Non-DBS	14.77	15.00	1.054	99	1.010	-0.07	1.100	1.171
87	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	0.1	1.120	1.602
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	106	5530	Non-DBS	12.02	14.00	1.578	99	1.010	-0.07	0.816	1.300
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	Non-DBS	13.10	15.00	1.549	99	1.010	-0.07	0.986	1.542
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Non-DBS	14.77	15.00	1.054	99	1.010	-0.08	0.033	0.035
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.08	0.022	0.031
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	138	5690	Non-DBS	14.77	15.00	1.054	99	1.010	0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	0.12	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.07	1.090	1.559
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.05	1.060	1.516
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.04	1.110	1.587
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	0.13	1.020	1.459
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	-0.03	0.959	1.371
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	138	5690	Non-DBS	13.49	15.00	1.416	99	1.010	0.09	1.090	1.559
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	DBS	13.79	14.00	1.050	99	1.010	0.06	0.188	0.199
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.06	0.092	0.146
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	DBS	13.79	14.00	1.050	99	1.010	0.17	0.040	0.042
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.17	0.021	0.033
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	DBS	13.79	14.00	1.050	99	1.010	0.01	0.685	0.726
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	-0.1	0.821	1.302
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	DBS	13.79	14.00	1.050	99	1.010	-0.11	0.020	0.021
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	-0.11	0.011	0.017
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	122	5610	DBS	13.79	14.00	1.050	99	1.010	0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.03	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.09	0.799	1.267
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	-0.02	0.776	1.231
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.15	0.816	1.294
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	122	5610	DBS	12.04	14.00	1.570	99	1.010	-0.08	0.745	1.182
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.06	0.703	1.115
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	122	5610	DBS	12.04	14.00	1.570	99	1.010	0.15	0.800	1.269
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	14.44	15.00	1.138	99	1.010	-0.08	0.174	0.200
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	-0.08	0.092	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	14.44	15.00	1.138	99	1.010	-0.18	0.052	0.060
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	-0.18	0.024	0.033
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	14.44	15.00	1.138	99	1.010	0.18	0.933	1.072
88	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	-0.17	0.998	1.375
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	14.44	15.00	1.138	99	1.010	0.1	0.021	0.024
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	0.1	0.011	0.015
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	Non-DBS	14.44	15.00	1.138	99	1.010	0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	0.04	0.971	1.338
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	-0.09	0.943	1.300
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	0	0.992	1.367
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	0.11	0.906	1.249
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	0.14	0.854	1.177
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	155	5775	Non-DBS	13.65	15.00	1.365	99	1.010	-0.15	0.972	1.340
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	13.39	14.00	1.151	99	1.010	0.02	0.104	0.121
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	0.02	0.055	0.084
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	13.39	14.00	1.151	99	1.010	-0.16	0.034	0.040
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	-0.16	0.016	0.024
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	13.39	14.00	1.151	99	1.010	0.08	0.561	0.652
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	-0.1	0.690	1.052
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	13.39	14.00	1.151	99	1.010	0	0.012	0.014
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	0	0.008	0.012
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	155	5775	DBS	13.39	14.00	1.151	99	1.010	-0.04	0.001	0.001



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	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	-0.04	0.001	0.002
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	0.17	0.671	1.023
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	0.18	0.652	0.994
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	0.03	0.686	1.046
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	155	5775	DBS	12.21	14.00	1.510	99	1.010	0.01	0.626	0.955
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	155	5775	DBS	12.21	14.00	1.510	99	1.010	0.04	0.591	0.901
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	155	5775	DBS	12.21	14.00	1.510	99	1.010	-0.16	0.672	1.025
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Non-DBS	14.44	15.00	1.138	99	1.010	-0.12	0.174	0.200
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.12	0.085	0.124
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Non-DBS	14.44	15.00	1.138	99	1.010	-0.18	0.052	0.060
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.18	0.024	0.035
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Non-DBS	14.44	15.00	1.138	99	1.010	-0.03	0.720	0.827
89	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.01	0.891	1.301
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Non-DBS	14.44	15.00	1.138	99	1.010	0.02	0.023	0.026
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	0.02	0.014	0.020
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	171	5855	Non-DBS	14.44	15.00	1.138	99	1.010	0.02	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	0.02	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	0.11	0.867	1.266
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.17	0.842	1.229
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.04	0.886	1.293
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.17	0.809	1.181
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	-0.07	0.763	1.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	171	5855	Non-DBS	13.40	15.00	1.445	99	1.010	0.04	0.868	1.267
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	DBS	13.41	14.00	1.146	99	1.010	0.01	0.170	0.197
	WLAN5GHz	802.11ac-VHT160 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	0.01	0.085	0.132
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	DBS	13.41	14.00	1.146	99	1.010	-0.06	0.038	0.044
	WLAN5GHz	802.11ac-VHT160 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	-0.06	0.016	0.025
	WLAN5GHz	802.11ac-VHT160 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	DBS	13.41	14.00	1.146	99	1.010	0.1	0.716	0.828
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	-0.1	0.707	1.098
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	DBS	13.41	14.00	1.146	99	1.010	0.03	0.018	0.021
	WLAN5GHz	802.11ac-VHT160 MCS0	Top Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	0.03	0.009	0.014
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	163	5815	DBS	13.41	14.00	1.146	99	1.010	-0.03	0.001	0.001
	WLAN5GHz	802.11ac-VHT160 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	-0.03	0.001	0.002
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	0.09	0.688	1.069
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	-0.13	0.668	1.038
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	-0.17	0.703	1.092
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	163	5815	DBS	12.13	14.00	1.538	99	1.010	-0.1	0.642	0.997
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	163	5815	DBS	12.13	14.00	1.538	99	1.010	0.1	0.605	0.940
	WLAN5GHz	802.11ac-VHT160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	163	5815	DBS	12.13	14.00	1.538	99	1.010	0.17	0.689	1.070



FCC SAR TEST REPORT

Report No. : FA461705-01A

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m^2)	Reported APD (W/m^2)	APD Ratio
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	-0.06	0.040	0.053	0.954	1.267	0.063
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.06	0.021	0.022	0.954	1.004	0.050
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.11	0.001	0.001	0.001	0.001	0.000
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	0.11	0.001	0.001	0.001	0.001	0.000
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.11	0.175	0.232	2.87	3.812	0.191
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	-0.01	0.221	0.233	3.32	3.495	0.175
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	47	6185	DBS/Non-DBS	7.81	8.50	1.172	99	1.010	-0.11	0.137	0.162	2.23	2.640	0.132
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	111	6505	DBS/Non-DBS	7.52	8.50	1.253	99	1.010	0.04	0.197	0.249	3.25	4.113	0.206
90	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	0.18	0.196	0.281	4.52	6.478	0.324
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	207	6985	DBS/Non-DBS	6.70	8.00	1.349	99	1.010	0.16	0.127	0.173	2.09	2.848	0.142
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	7.31	8.50	1.315	99	1.010	0.12	0.001	0.001	0.001	0.001	0.000
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	0mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	DBS/Non-DBS	8.32	8.50	1.042	99	1.010	0.12	0.001	0.001	0.001	0.001	0.000
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0703	AlphaNumeric	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	0.17	0.191	0.274	3.14	4.500	0.225
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803	AlphaNumeric	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	0.06	0.185	0.265	3.04	4.357	0.218
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Numeric	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	-0.18	0.195	0.279	3.21	4.601	0.230
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	Large Numeric	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	0.06	0.178	0.255	2.93	4.199	0.210
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	53keys	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	0.18	0.168	0.241	2.76	3.956	0.198
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	0mm	Ant 7+8(8)	S0803FR	42keys	143	6665	DBS/Non-DBS	6.98	8.50	1.419	99	1.010	-0.19	0.191	0.274	3.14	4.500	0.225

<Bluetooth SAR>

Plot No.	Band	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Power State	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	Bluetooth LE	Front	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Back	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
91	Bluetooth LE	Left Edge	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Top Side	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Bottom Side	0mm	Ant 7	S0803FR	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 7	S0703	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 7	S0803	AlphaNumeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 7	S0803FR	Numeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 7	S0803FR	Large Numeric	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 7	S0803FR	53keys	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 7	S0803FR	42keys	0	2402	DBS/Non-DBS	5.72	6.50	1.197	97.54	1.025	0	0.001	0.001
	Bluetooth LE	Front	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Back	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Left Edge	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Top Side	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Bottom Side	0mm	Ant 8	S0803FR	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0703	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0803	AlphaNumeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0803FR	Numeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0803FR	Large Numeric	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0803FR	53keys	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001
	Bluetooth LE	Right Edge	0mm	Ant 8	S0803FR	42keys	39	2480	DBS/Non-DBS	6.12	6.50	1.091	83.36	1.200	0	0.001	0.001

<NFC SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Scanner	Keypad	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	ASK	Front	0mm	S0803FR	AlphaNumeric	13.56	0	0.001
92	NFC	ASK	Back	0mm	S0803FR	AlphaNumeric	13.56	0.11	0.052
	NFC	ASK	Left Edge	0mm	S0803FR	AlphaNumeric	13.56	0	0.001
	NFC	ASK	Right Edge	0mm	S0803FR	AlphaNumeric	13.56	0	0.001
	NFC	ASK	Top Side	0mm	S0803FR	AlphaNumeric	13.56	0	0.001
	NFC	ASK	Bottom Side	0mm	S0803FR	AlphaNumeric	13.56	0	0.001
	NFC	ASK	Front	0mm	S0703	AlphaNumeric	13.56	-0.01	0.040
	NFC	ASK	Front	0mm	S0803	AlphaNumeric	13.56	0.12	0.044
	NFC	ASK	Front	0mm	S0803FR	Numeric	13.56	0.16	0.034
	NFC	ASK	Front	0mm	S0803FR	Large Numeric	13.56	-0.08	0.037
	NFC	ASK	Front	0mm	S0803FR	53keys	13.56	-0.14	0.046
	NFC	ASK	Front	0mm	S0803FR	42keys	13.56	0.04	0.048

14.4 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Power Drift (dB)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	0.0625	1.72	-0.33984497	-0.06	3.26	3.47
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	10mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	0.25	1.86		0.08	1.41	1.67
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	207	6985	0.0625	1.32	0.486919239	0.04	1.79	1.96
WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	8.59mm	Ant 7+8(8)	S0803FR	AlphaNumeric	207	6985	0.25	1.18		-0.02	0.95	1.08

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Keypad	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	7.31	8.50	1.315	99.00	1.010	0.0625	1.5535	0.08	1.67	3.45	1.78	3.67
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	0.01	1.62	2.65	1.72	2.81
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	7.31	8.50	1.315	99.00	1.010	0.0625	1.5535	0.03	1.31	2.70	1.39	2.87
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	-0.08	1.25	2.04	1.34	2.19
	WLAN6GHz	802.11ax-HE160 MCS0	Left Edge	2mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	7.31	8.50	1.315	99.00	1.010	0.0625	1.5535	-0.08	2.13	4.40	2.27	4.68
93	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	-0.06	3.26	5.33	3.47	5.67
	WLAN6GHz	802.11ax-HE160 MCS0	Top Edge	2mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	7.31	8.50	1.315	99.00	1.010	0.0625	1.5535	-0.08	1.13	2.33	1.21	2.50
	WLAN6GHz	802.11ax-HE160 MCS0	Bottom Edge	2mm	Ant 7+8(7)	S0803FR	AlphaNumeric	15	6025	7.31	8.50	1.315	99.00	1.010	0.0625	1.5535	-0.08	1.01	2.08	1.12	2.31
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	47	6185	7.81	8.50	1.172	99.00	1.010	0.0625	1.5535	-0.18	2.2	4.05	2.41	4.43
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	111	6505	7.52	8.50	1.253	99.00	1.010	0.0625	1.5535	0.1	2.05	4.03	2.25	4.42
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	143	6665	6.98	8.50	1.419	99.00	1.010	0.0625	1.5535	0.12	2.04	4.54	2.23	4.97
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	AlphaNumeric	207	6985	6.70	8.00	1.349	99.00	1.010	0.0625	1.5535	0.04	1.79	3.79	1.96	4.15
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0703	AlphaNumeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	-0.08	2.07	3.39	2.17	3.55
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803	AlphaNumeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	0.1	2.04	3.34	2.13	3.48
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	Numeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	-0.18	2.09	3.42	2.19	3.58
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	Large Numeric	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	0.1	2	3.27	2.1	3.43
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	53keys	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	0.12	1.93	3.16	2.03	3.32
	WLAN6GHz	802.11ax-HE160 MCS0	Right Edge	2mm	Ant 7+8(8)	S0803FR	42keys	15	6025	8.32	8.50	1.042	99.00	1.010	0.0625	1.5535	0.08	2.07	3.39	2.17	3.55

14.5 Power Class 2 and Power Class 3 Linearity

General Note:

This device support Power Class 2 and Power Class 3 operations. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE and FR1 configuration and exposure condition combination, according to the highest time averaged power for Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required. Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<Hotspot condition>

	LTE Band 41_Ant 1	LTE Band 41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	25	27.5
Reported 1g SAR (W/kg)	0.694	0.763
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	200.17	243.49
Linearity SAR(W/kg)	0.84	
% deviation from expected linearity		-9.62%

	LTE Band 42_Ant 6	LTE Band 42_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.7	23.8
Reported 1g SAR (W/kg)	0.531	0.531
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	93.63	103.87
Linearity SAR(W/kg)	0.59	
% deviation from expected linearity		-9.86%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.2	26.3
Reported 1g SAR (W/kg)	0.755	0.748
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	208.93	213.29
Linearity SAR(W/kg)	0.77	
% deviation from expected linearity		-2.95%

	FR1 n41_Ant 1+2(2)	FR1 n41_Ant 1+2(2)
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.5	23.5
Reported 1g SAR (W/kg)	0.502	0.481
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		-3.96%

	FR1 n77_Ant 3	FR1 n77_Ant 3
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.7	20.6
Reported 1g SAR (W/kg)	0.531	0.499
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	58.88	57.41
Linearity SAR(W/kg)	0.52	
% deviation from expected linearity		-3.61%

	FR1 n77_Ant 4	FR1 n77_Ant 4
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.7	21.9
Reported 1g SAR (W/kg)	0.666	0.637
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	74.13	77.44
Linearity SAR(W/kg)	0.70	
% deviation from expected linearity		-8.44%

	FR1 n77_Ant 5+6(5)	FR1 n77_Ant 5+6(5)
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.4	21.8
Reported 1g SAR (W/kg)	0.554	0.551
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	69.18	75.68
Linearity SAR(W/kg)	0.61	
% deviation from expected linearity		-9.08%

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	19.6	22.7
Reported 1g SAR (W/kg)	0.542	0.533
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	91.20	93.10
Linearity SAR(W/kg)	0.55	
% deviation from expected linearity		-3.67%

<Body-worn condition>

	LTE Band 41_Ant 1	LTE Band 41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.9	25.4
Reported 1g SAR (W/kg)	0.072	0.09
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	123.43	150.14
Linearity SAR(W/kg)	0.09	
% deviation from expected linearity		2.76%

	LTE Band 42_Ant 6	LTE Band 42_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.5	25.2
Reported 1g SAR (W/kg)	0.395	0.511
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	112.57	143.38
Linearity SAR(W/kg)	0.50	
% deviation from expected linearity		1.56%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.6	24.6
Reported 1g SAR (W/kg)	0.142	0.135
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	144.54	144.20
Linearity SAR(W/kg)	0.14	
% deviation from expected linearity		-4.70%

	FR1 n41_Ant 2+1(2)	FR1 n41_Ant 2+1(2)
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.5	23.5
Reported 1g SAR (W/kg)	0.247	0.225
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94
Linearity SAR(W/kg)	0.25	
% deviation from expected linearity		-8.69%

	FR1 n77_Ant 3	FR1 n77_Ant 3
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20	23.4
Reported 1g SAR (W/kg)	0.62	0.617
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	100.00	109.39
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		-9.02%

	FR1 n77_Ant 4	FR1 n77_Ant 4
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.4	20.4
Reported 1g SAR (W/kg)	0.087	0.082
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	54.95	54.82
Linearity SAR(W/kg)	0.09	
% deviation from expected linearity		-5.52%

	FR1 n77_Ant 5+6(6)	FR1 n77_Ant 5+6(6)
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.5	23
Reported 1g SAR (W/kg)	0.5	0.456
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	99.76
Linearity SAR(W/kg)	0.44	
% deviation from expected linearity		2.57%

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.9	25
Reported 1g SAR (W/kg)	0.639	0.601
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	154.88	158.11
Linearity SAR(W/kg)	0.65	
% deviation from expected linearity		-7.87%

<Product Specific condition>

	LTE Band 41_Ant 1	LTE Band 41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.9	25.4
Reported 10g SAR (W/kg)	0.821	0.9
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	123.43	150.14
Linearity SAR(W/kg)	1.00	
% deviation from expected linearity		-9.88%

	LTE Band 42_Ant 6	LTE Band 42_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	22.5	25.2
Reported 10g SAR (W/kg)	0.675	0.775
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	112.57	143.38
Linearity SAR(W/kg)	0.86	
% deviation from expected linearity		-9.86%

	FR1 n41_Ant 1	FR1 n41_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.6	24.6
Reported 10g SAR (W/kg)	0.88	0.867
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	144.54	144.20
Linearity SAR(W/kg)	0.88	
% deviation from expected linearity		-1.24%

	FR1 n41_Ant 2+1(2)	FR1 n41_Ant 2+1(2)
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.5	23.5
Reported 10g SAR (W/kg)	1.035	0.973
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	111.94
Linearity SAR(W/kg)	1.03	
% deviation from expected linearity		-5.77%

	FR1 n77_Ant 3	FR1 n77_Ant 3
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20	23.4
Reported 10g SAR (W/kg)	0.824	0.812
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	100.00	109.39
Linearity SAR(W/kg)	0.90	
% deviation from expected linearity		-9.91%

	FR1 n77_Ant 4	FR1 n77_Ant 4
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.4	20.4
Reported 10g SAR (W/kg)	0.809	0.806
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	54.95	54.82
Linearity SAR(W/kg)	0.81	
% deviation from expected linearity		-0.13%

	FR1 n77_Ant 5+6(5)	FR1 n77_Ant 5+6(5)
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.5	23
Reported 10g SAR (W/kg)	0.714	0.65
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	112.20	99.76
Linearity SAR(W/kg)	0.63	
% deviation from expected linearity		2.39%

	FR1 n77_Ant 6	FR1 n77_Ant 6
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21.9	25
Reported 10g SAR (W/kg)	0.969	0.931
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	154.88	158.11
Linearity SAR(W/kg)	0.99	
% deviation from expected linearity		-5.89%

15. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Hotspot	Body-Worn	Product Specific
Non-DBS				
1.	WWAN Ant 0 + WWAN Ant 2+1(2) + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
2.	WWAN Ant 0 + WWAN Ant 2+1(2) + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
3.	WWAN Ant 0 + WWAN Ant 2+1(2) + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
4.	WWAN Ant 0 + WWAN Ant 3 + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
5.	WWAN Ant 0 + WWAN Ant 3 + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
6.	WWAN Ant 0 + WWAN Ant 3 + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
7.	WWAN Ant 0 + Max Ant 5+6(5) + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
8.	WWAN Ant 0 + Max Ant 5+6(5) + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
9.	WWAN Ant 0 + Max Ant 5+6(5) + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
10.	WWAN Ant 0 + Max Ant 6 + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
11.	WWAN Ant 0 + Max Ant 6 + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
12.	WWAN Ant 0 + Max Ant 6 + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
13.	WWAN Ant 1 + WWAN Ant 2+1(2) + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
14.	WWAN Ant 1 + WWAN Ant 2+1(2) + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
15.	WWAN Ant 1 + WWAN Ant 2+1(2) + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
16.	WWAN Ant 1 + WWAN Ant 3 + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
17.	WWAN Ant 1 + WWAN Ant 3 + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
18.	WWAN Ant 1 + WWAN Ant 3 + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
19.	WWAN Ant 1 + Max Ant 5+6(5) + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
20.	WWAN Ant 1 + Max Ant 5+6(5) + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
21.	WWAN Ant 1 + Max Ant 5+6(5) + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
22.	WWAN Ant 1 + Max Ant 6 + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
23.	WWAN Ant 1 + Max Ant 6 + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
24.	WWAN Ant 1 + Max Ant 6 + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
25.	WWAN Ant 4 + WWAN Ant 2+1(2) + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
26.	WWAN Ant 4 + WWAN Ant 2+1(2) + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
27.	WWAN Ant 4 + WWAN Ant 2+1(2) + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
28.	WWAN Ant 4 + WWAN Ant 3 + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
29.	WWAN Ant 4 + WWAN Ant 3 + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
30.	WWAN Ant 4 + WWAN Ant 3 + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
31.	WWAN Ant 4 + Max Ant 5+6(5) + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
32.	WWAN Ant 4 + Max Ant 5+6(5) + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
33.	WWAN Ant 4 + Max Ant 5+6(5) + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
34.	WWAN Ant 4 + Max Ant 6 + WLAN2.4GHz Ant 7+8(8) + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
35.	WWAN Ant 4 + Max Ant 6 + WLAN5/6GHz MIMO + Bluetooth LE Ant 7 + NFC	Yes	Yes	Yes
36.	WWAN Ant 4 + Max Ant 6 + WLAN2.4GHz MIMO + NFC	Yes	Yes	Yes
DBS				
37.	WWAN Ant 0 + WWAN Ant 1+2(2) + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
38.	WWAN Ant 0 + WWAN Ant 3 + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
39.	WWAN Ant 0 + WWAN Ant 5+6(5) + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
40.	WWAN Ant 0 + WWAN Ant 6 + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
41.	WWAN Ant 1 + WWAN Ant 1+2(2) + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
42.	WWAN Ant 1 + WWAN Ant 3 + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
43.	WWAN Ant 1 + WWAN Ant 5+6(5) + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
44.	WWAN Ant 1 + WWAN Ant 6 + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
45.	WWAN Ant 4 + WWAN Ant 1+2(2) + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
46.	WWAN Ant 4 + WWAN Ant 3 + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
47.	WWAN Ant 4 + WWAN Ant 5+6(5) + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes
48.	WWAN Ant 4 + WWAN Ant 6 + WLAN2.4GHz MIMO + WLAN5/6GHz MIMO + NFC	Yes	Yes	Yes

General Note:

1. The worst case WLAN reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
2. The Scaled SAR summation is calculated based on the same configuration and test position.
3. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation $< 1.6\text{W/kg}$.
 - 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 $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) 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.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR $< 1.6\text{W/kg}$.

15.1 Hotspot Exposure Conditions
<DBS>

WWAN Band	FR1 Band	Exposure Position	1	2	4	5	1+2+4+5 Summed 1g SAR (W/kg)
			Max WWAN 1g SAR (W/kg)	Max WWAN 1g SAR (W/kg)	WLAN2.4GHz MIMO 1g SAR (W/kg)	WLAN5/6GHz MIMO 1g SAR (W/kg)	
Max Ant 0	Max Ant 1+2(2)	Front	0.264	0.230	0.090	0.147	0.731
		Back	0.392	0.131	0.127	0.079	0.729
		Left Edge		0.502	0.111	0.290	0.903
		Right Edge	0.540	0.001	0.185	0.213	0.939
		Top Edge	0.279	0.258	0.001	0.001	0.539
		Bottom Edge			0.001	0.001	0.002
Max Ant 0	Max Ant 3	Front	0.264	0.120	0.090	0.147	0.621
		Back	0.392	0.265	0.127	0.079	0.863
		Left Edge		0.531	0.111	0.290	0.932
		Right Edge	0.540		0.185	0.213	0.938
		Top Edge	0.279		0.001	0.001	0.281
		Bottom Edge			0.001	0.001	0.002
Max Ant 0	Max Ant 5+6(5)	Front	0.264	0.142	0.090	0.147	0.643
		Back	0.392	0.207	0.127	0.079	0.805
		Left Edge		0.510	0.111	0.290	0.911
		Right Edge	0.540		0.185	0.213	0.938
		Top Edge	0.279		0.001	0.001	0.281
		Bottom Edge			0.001	0.001	0.002
Max Ant 0	Max Ant 6	Front	0.264	0.340	0.090	0.147	0.841
		Back	0.392	0.225	0.127	0.079	0.823
		Left Edge		0.566	0.111	0.290	0.967
		Right Edge	0.540		0.185	0.213	0.938
		Top Edge	0.279		0.001	0.001	0.281
		Bottom Edge			0.001	0.001	0.002
Max Ant 1	Max Ant 1+2(2)	Front	0.442	0.230	0.090	0.147	0.909
		Back	0.469	0.131	0.127	0.079	0.806
		Left Edge	0.001	0.502	0.111	0.290	0.904
		Right Edge	0.691	0.001	0.185	0.213	1.090
		Top Edge	0.850	0.258	0.001	0.001	1.110
		Bottom Edge			0.001	0.001	0.002
Max Ant 1	Max Ant 3	Front	0.442	0.120	0.090	0.147	0.799
		Back	0.469	0.265	0.127	0.079	0.940
		Left Edge	0.001	0.531	0.111	0.290	0.933
		Right Edge	0.691		0.185	0.213	1.089
		Top Edge	0.850		0.001	0.001	0.852
		Bottom Edge			0.001	0.001	0.002
Max Ant 1	Max Ant 5+6(5)	Front	0.442	0.142	0.090	0.147	0.821
		Back	0.469	0.207	0.127	0.079	0.882

		Left Edge	0.001	0.510	0.111	0.290	0.912
		Right Edge	0.691		0.185	0.213	1.089
		Top Edge	0.850		0.001	0.001	0.852
		Bottom Edge			0.001	0.001	0.002
Max Ant 1	Max Ant 6	Front	0.442	0.340	0.090	0.147	1.019
		Back	0.469	0.225	0.127	0.079	0.900
		Left Edge	0.001	0.566	0.111	0.290	0.968
		Right Edge	0.691		0.185	0.213	1.089
		Top Edge	0.850		0.001	0.001	0.852
		Bottom Edge			0.001	0.001	0.002
Max Ant 4	Max Ant 1+2(2)	Front	0.130	0.230	0.090	0.147	0.597
		Back	0.239	0.131	0.127	0.079	0.576
		Left Edge		0.502	0.111	0.290	0.903
		Right Edge	0.697	0.001	0.185	0.213	1.096
		Top Edge		0.258	0.001	0.001	0.260
		Bottom Edge			0.001	0.001	0.002
Max Ant 4	Max Ant 3	Front	0.130	0.120	0.090	0.147	0.487
		Back	0.239	0.265	0.127	0.079	0.710
		Left Edge		0.531	0.111	0.290	0.932
		Right Edge	0.697		0.185	0.213	1.095
		Top Edge			0.001	0.001	0.002
		Bottom Edge			0.001	0.001	0.002
Max Ant 4	Max Ant 5+6(5)	Front	0.130	0.142	0.090	0.147	0.509
		Back	0.239	0.207	0.127	0.079	0.652
		Left Edge		0.510	0.111	0.290	0.911
		Right Edge	0.697		0.185	0.213	1.095
		Top Edge			0.001	0.001	0.002
		Bottom Edge			0.001	0.001	0.002
Max Ant 4	Max Ant 6	Front	0.130	0.340	0.090	0.147	0.707
		Back	0.239	0.225	0.127	0.079	0.670
		Left Edge		0.566	0.111	0.290	0.967
		Right Edge	0.697		0.185	0.213	1.095
		Top Edge			0.001	0.001	0.002
		Bottom Edge			0.001	0.001	0.002

<Non-DBS>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			Max WWAN 1g SAR (W/kg)	Max WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8(8) 1g SAR (W/kg)	WLAN2.4GHz MIMO 1g SAR (W/kg)	WLAN5/6GHz MIMO 1g SAR (W/kg)			
Max Ant 0	Max Ant 1+2(2)	Front	0.264	0.230	0.090	0.090	0.185	0.584	0.679	0.584
		Back	0.392	0.131	0.127	0.127	0.118	0.650	0.641	0.650
		Left Edge		0.502		0.111	0.584	0.502	1.086	0.613
		Right Edge	0.540	0.001	0.185	0.185	0.396	0.726	0.937	0.726
		Top Edge	0.279	0.258	0.001	0.001	0.002	0.538	0.539	0.538
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 0	Max Ant 3	Front	0.264	0.120	0.090	0.090	0.185	0.474	0.569	0.474
		Back	0.392	0.265	0.127	0.127	0.118	0.784	0.775	0.784
		Left Edge		0.531		0.111	0.584	0.531	1.115	0.642
		Right Edge	0.540		0.185	0.185	0.396	0.725	0.936	0.725
		Top Edge	0.279		0.001	0.001	0.002	0.280	0.281	0.280
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 0	Max Ant 5+6(5)	Front	0.264	0.142	0.090	0.090	0.185	0.496	0.591	0.496
		Back	0.392	0.207	0.127	0.127	0.118	0.726	0.717	0.726
		Left Edge		0.510		0.111	0.584	0.510	1.094	0.621
		Right Edge	0.540		0.185	0.185	0.396	0.725	0.936	0.725
		Top Edge	0.279		0.001	0.001	0.002	0.280	0.281	0.280



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		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 0	Max Ant 6	Front	0.264	0.340	0.090	0.090	0.185	0.694	0.789	0.694
		Back	0.392	0.225	0.127	0.127	0.118	0.744	0.735	0.744
		Left Edge		0.566		0.111	0.584	0.566	1.150	0.677
		Right Edge	0.540		0.185	0.185	0.396	0.725	0.936	0.725
		Top Edge	0.279		0.001	0.001	0.002	0.280	0.281	0.280
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 1	Max Ant 1+2(2)	Front	0.442	0.230	0.090	0.090	0.185	0.762	0.857	0.762
		Back	0.469	0.131	0.127	0.127	0.118	0.727	0.718	0.727
		Left Edge	0.001	0.502		0.111	0.584	0.503	1.087	0.614
		Right Edge	0.691	0.001	0.185	0.185	0.396	0.877	1.088	0.877
		Top Edge	0.850	0.258	0.001	0.001	0.002	1.109	1.110	1.109
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 1	Max Ant 3	Front	0.442	0.120	0.090	0.090	0.185	0.652	0.747	0.652
		Back	0.469	0.265	0.127	0.127	0.118	0.861	0.852	0.861
		Left Edge	0.001	0.531		0.111	0.584	0.532	1.116	0.643
		Right Edge	0.691		0.185	0.185	0.396	0.876	1.087	0.876
		Top Edge	0.850		0.001	0.001	0.002	0.851	0.852	0.851
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 1	Max Ant 5+6(5)	Front	0.442	0.142	0.090	0.090	0.185	0.674	0.769	0.674
		Back	0.469	0.207	0.127	0.127	0.118	0.803	0.794	0.803
		Left Edge	0.001	0.510		0.111	0.584	0.511	1.095	0.622
		Right Edge	0.691		0.185	0.185	0.396	0.876	1.087	0.876
		Top Edge	0.850		0.001	0.001	0.002	0.851	0.852	0.851
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 1	Max Ant 6	Front	0.442	0.340	0.090	0.090	0.185	0.872	0.967	0.872
		Back	0.469	0.225	0.127	0.127	0.118	0.821	0.812	0.821
		Left Edge	0.001	0.566		0.111	0.584	0.567	1.151	0.678
		Right Edge	0.691		0.185	0.185	0.396	0.876	1.087	0.876
		Top Edge	0.850		0.001	0.001	0.002	0.851	0.852	0.851
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 4	Max Ant 1+2(2)	Front	0.130	0.230	0.090	0.090	0.185	0.450	0.545	0.450
		Back	0.239	0.131	0.127	0.127	0.118	0.497	0.488	0.497
		Left Edge		0.502		0.111	0.584	0.502	1.086	0.613
		Right Edge	0.697	0.001	0.185	0.185	0.396	0.883	1.094	0.883
		Top Edge		0.258	0.001	0.001	0.002	0.259	0.260	0.259
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 4	Max Ant 3	Front	0.130	0.120	0.090	0.090	0.185	0.340	0.435	0.340
		Back	0.239	0.265	0.127	0.127	0.118	0.631	0.622	0.631
		Left Edge		0.531		0.111	0.584	0.531	1.115	0.642
		Right Edge	0.697		0.185	0.185	0.396	0.882	1.093	0.882
		Top Edge			0.001	0.001	0.002	0.001	0.002	0.001
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 4	Max Ant 5+6(5)	Front	0.130	0.142	0.090	0.090	0.185	0.362	0.457	0.362
		Back	0.239	0.207	0.127	0.127	0.118	0.573	0.564	0.573
		Left Edge		0.510		0.111	0.584	0.510	1.094	0.621
		Right Edge	0.697		0.185	0.185	0.396	0.882	1.093	0.882
		Top Edge			0.001	0.001	0.002	0.001	0.002	0.001
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001
Max Ant 4	Max Ant 6	Front	0.130	0.340	0.090	0.090	0.185	0.560	0.655	0.560
		Back	0.239	0.225	0.127	0.127	0.118	0.591	0.582	0.591
		Left Edge		0.566		0.111	0.584	0.566	1.150	0.677
		Right Edge	0.697		0.185	0.185	0.396	0.882	1.093	0.882
		Top Edge			0.001	0.001	0.002	0.001	0.002	0.001
		Bottom Edge			0.001	0.001	0.002	0.001	0.002	0.001

15.2 Body-Worn Accessory Exposure Conditions

<DBS>

WWAN Band	FR1 Band	Exposure Position	1	2	4	5	1+2+4+5 Summed 1g SAR (W/kg)
			Max WWAN 1g SAR (W/kg)	Max WWAN 1g SAR (W/kg)	WLAN2.4GHz MIMO 1g SAR (W/kg)	WLAN5/6GHz MIMO 1g SAR (W/kg)	
Max Ant 0	Max Ant 1+2(2)	Front	0.171	0.140	0.074	0.177	0.562
		Back	0.222	0.176	0.065	0.121	0.584
		Front with Holster 1	0.158	0.054	0.090	0.096	0.398
		Left Edge with Holster 2	0.071	0.247	0.076	0.256	0.650
Max Ant 0	Max Ant 3	Front	0.171	0.093	0.074	0.177	0.515
		Back	0.222	0.204	0.065	0.121	0.612
		Front with Holster 1	0.158	0.254	0.090	0.096	0.598
		Left Edge with Holster 2	0.071	0.620	0.076	0.256	1.023
Max Ant 0	Max Ant 5+6(5)	Front	0.171	0.252	0.074	0.177	0.674
		Back	0.222	0.151	0.065	0.121	0.559
		Front with Holster 1	0.158	0.248	0.090	0.096	0.592
		Left Edge with Holster 2	0.071	0.500	0.076	0.256	0.903
Max Ant 0	Max Ant 6	Front	0.171	0.323	0.074	0.177	0.745
		Back	0.222	0.186	0.065	0.121	0.594
		Front with Holster 1	0.158	0.410	0.090	0.096	0.754
		Left Edge with Holster 2	0.071	0.699	0.076	0.256	1.102
Max Ant 1	Max Ant 1+2(2)	Front	0.179	0.140	0.074	0.177	0.570
		Back	0.165	0.176	0.065	0.121	0.527
		Front with Holster 1	0.175	0.054	0.090	0.096	0.415
		Left Edge with Holster 2	0.085	0.247	0.076	0.256	0.664
Max Ant 1	Max Ant 3	Front	0.179	0.093	0.074	0.177	0.523
		Back	0.165	0.204	0.065	0.121	0.555
		Front with Holster 1	0.175	0.254	0.090	0.096	0.615
		Left Edge with Holster 2	0.085	0.620	0.076	0.256	1.037
Max Ant 1	Max Ant 5+6(5)	Front	0.179	0.252	0.074	0.177	0.682
		Back	0.165	0.151	0.065	0.121	0.502
		Front with Holster 1	0.175	0.248	0.090	0.096	0.609
		Left Edge with Holster 2	0.085	0.500	0.076	0.256	0.917
Max Ant 1	Max Ant 6	Front	0.179	0.323	0.074	0.177	0.753
		Back	0.165	0.186	0.065	0.121	0.537
		Front with Holster 1	0.175	0.410	0.090	0.096	0.771
		Left Edge with Holster 2	0.085	0.699	0.076	0.256	1.116
Max Ant 4	Max Ant 1+2(2)	Front	0.071	0.140	0.074	0.177	0.462
		Back	0.112	0.176	0.065	0.121	0.474
		Front with Holster 1	0.043	0.054	0.090	0.096	0.283
		Left Edge with Holster 2	0.001	0.247	0.076	0.256	0.580
Max Ant 4	Max Ant 3	Front	0.071	0.093	0.074	0.177	0.415
		Back	0.112	0.204	0.065	0.121	0.502
		Front with Holster 1	0.043	0.254	0.090	0.096	0.483
		Left Edge with Holster 2	0.001	0.620	0.076	0.256	0.953
Max Ant 4	Max Ant 5+6(5)	Front	0.071	0.252	0.074	0.177	0.574
		Back	0.112	0.151	0.065	0.121	0.449
		Front with Holster 1	0.043	0.248	0.090	0.096	0.477
		Left Edge with Holster 2	0.001	0.500	0.076	0.256	0.833
Max Ant 4	Max Ant 6	Front	0.071	0.323	0.074	0.177	0.645
		Back	0.112	0.186	0.065	0.121	0.484
		Front with Holster 1	0.043	0.410	0.090	0.096	0.639
		Left Edge with Holster 2	0.001	0.699	0.076	0.256	1.032

<Non-DBS>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	1+2+3+6 Summed 1g SAR (W/kg)	1+2+5+6 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)
			Max WWAN 1g SAR (W/kg)	Max WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 7+8(8) 1g SAR (W/kg)	WLAN2.4GHz MIMO 1g SAR (W/kg)	WLAN5/6GHz MIMO 1g SAR (W/kg)	Bluetooth LE Ant 7 1g SAR (W/kg)			
Max Ant 0	Max Ant 1+2(2)	Front	0.171	0.140	0.072	0.074	0.184	0.001	0.384	0.496	0.385
		Back	0.222	0.176	0.065	0.065	0.132	0.001	0.464	0.531	0.463
		Front with Holster 1	0.158	0.054	0.068	0.090	0.127	0.001	0.281	0.340	0.302
		Left Edge with Holster 2	0.071	0.247		0.076	0.244	0.001	0.319	0.563	0.394
Max Ant 0	Max Ant 3	Front	0.171	0.093	0.072	0.074	0.184	0.001	0.337	0.449	0.338
		Back	0.222	0.204	0.065	0.065	0.132	0.001	0.492	0.559	0.491
		Front with Holster 1	0.158	0.254	0.068	0.090	0.127	0.001	0.481	0.540	0.502
		Left Edge with Holster 2	0.071	0.620		0.076	0.244	0.001	0.692	0.936	0.767
Max Ant 0	Max Ant 5+6(5)	Front	0.171	0.252	0.072	0.074	0.184	0.001	0.496	0.608	0.497
		Back	0.222	0.151	0.065	0.065	0.132	0.001	0.439	0.506	0.438
		Front with Holster 1	0.158	0.248	0.068	0.090	0.127	0.001	0.475	0.534	0.496
		Left Edge with Holster 2	0.071	0.500		0.076	0.244	0.001	0.572	0.816	0.647
Max Ant 0	Max Ant 6	Front	0.171	0.323	0.072	0.074	0.184	0.001	0.567	0.679	0.568
		Back	0.222	0.186	0.065	0.065	0.132	0.001	0.474	0.541	0.473
		Front with Holster 1	0.158	0.410	0.068	0.090	0.127	0.001	0.637	0.696	0.658
		Left Edge with Holster 2	0.071	0.699		0.076	0.244	0.001	0.771	1.015	0.846
Max Ant 1	Max Ant 1+2(2)	Front	0.179	0.140	0.072	0.074	0.184	0.001	0.392	0.504	0.393
		Back	0.165	0.176	0.065	0.065	0.132	0.001	0.407	0.474	0.406
		Front with Holster 1	0.175	0.054	0.068	0.090	0.127	0.001	0.298	0.357	0.319
		Left Edge with Holster 2	0.085	0.247		0.076	0.244	0.001	0.333	0.577	0.408
Max Ant 1	Max Ant 3	Front	0.179	0.093	0.072	0.074	0.184	0.001	0.345	0.457	0.346
		Back	0.165	0.204	0.065	0.065	0.132	0.001	0.435	0.502	0.434
		Front with Holster 1	0.175	0.254	0.068	0.090	0.127	0.001	0.498	0.557	0.519
		Left Edge with Holster 2	0.085	0.620		0.076	0.244	0.001	0.706	0.950	0.781
Max Ant 1	Max Ant 5+6(5)	Front	0.179	0.252	0.072	0.074	0.184	0.001	0.504	0.616	0.505
		Back	0.165	0.151	0.065	0.065	0.132	0.001	0.382	0.449	0.381
		Front with Holster 1	0.175	0.248	0.068	0.090	0.127	0.001	0.492	0.551	0.513
		Left Edge with Holster 2	0.085	0.500		0.076	0.244	0.001	0.586	0.830	0.661
Max Ant 1	Max Ant 6	Front	0.179	0.323	0.072	0.074	0.184	0.001	0.575	0.687	0.576
		Back	0.165	0.186	0.065	0.065	0.132	0.001	0.417	0.484	0.416
		Front with Holster 1	0.175	0.410	0.068	0.090	0.127	0.001	0.654	0.713	0.675
		Left Edge with Holster 2	0.085	0.699		0.076	0.244	0.001	0.785	1.029	0.860
Max Ant 4	Max Ant 1+2(2)	Front	0.071	0.140	0.072	0.074	0.184	0.001	0.284	0.396	0.285
		Back	0.112	0.176	0.065	0.065	0.132	0.001	0.354	0.421	0.353
		Front with Holster 1	0.043	0.054	0.068	0.090	0.127	0.001	0.166	0.225	0.187
		Left Edge with Holster 2	0.001	0.247		0.076	0.244	0.001	0.249	0.493	0.324
Max Ant 4	Max Ant 3	Front	0.071	0.093	0.072	0.074	0.184	0.001	0.237	0.349	0.238
		Back	0.112	0.204	0.065	0.065	0.132	0.001	0.382	0.449	0.381
		Front with Holster 1	0.043	0.254	0.068	0.090	0.127	0.001	0.366	0.425	0.387
		Left Edge with Holster 2	0.001	0.620		0.076	0.244	0.001	0.622	0.866	0.697
Max Ant 4	Max Ant 5+6(5)	Front	0.071	0.252	0.072	0.074	0.184	0.001	0.396	0.508	0.397
		Back	0.112	0.151	0.065	0.065	0.132	0.001	0.329	0.396	0.328
		Front with Holster 1	0.043	0.248	0.068	0.090	0.127	0.001	0.360	0.419	0.381
		Left Edge with Holster 2	0.001	0.500		0.076	0.244	0.001	0.502	0.746	0.577
Max Ant 4	Max Ant 6	Front	0.071	0.323	0.072	0.074	0.184	0.001	0.467	0.579	0.468
		Back	0.112	0.186	0.065	0.065	0.132	0.001	0.364	0.431	0.363
		Front with Holster 1	0.043	0.410	0.068	0.090	0.127	0.001	0.522	0.581	0.543
		Left Edge with Holster 2	0.001	0.699		0.076	0.244	0.001	0.701	0.945	0.776

15.3 Product Specific Exposure Conditions

<DBS>

WWAN Band	FR1 Band	Exposure Position	1	2	4	5	7	1+2+4+5+7 Summed 10g SAR (W/kg)
			Max WWAN 10g SAR (W/kg)	Max WWAN 10g SAR (W/kg)	WLAN2.4GHz MIMO 10g SAR (W/kg)	WLAN5/6GHz MIMO 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
Max Ant 0	Max Ant 1+2(2)	Front	0.318	0.352	0.154	0.199	0.001	1.024
		Back	0.640	0.255	0.166	0.044	0.052	1.157
		Left Edge	0.074	1.035	0.212	0.828	0.001	2.150
		Right Edge	0.845	0.001	0.316	1.302	0.001	2.465
		Top Edge	0.396	0.494	0.001	0.021	0.001	0.913
		Bottom Edge	0.001	0.001	0.001	0.002	0.001	0.006
Max Ant 0	Max Ant 3	Front	0.318	0.284	0.154	0.199	0.001	0.956
		Back	0.640	0.277	0.166	0.044	0.052	1.179
		Left Edge	0.074	1.185	0.212	0.828	0.001	2.300
		Right Edge	0.845	0.048	0.316	1.302	0.001	2.512
		Top Edge	0.396	0.054	0.001	0.021	0.001	0.473
		Bottom Edge	0.001	0.003	0.001	0.002	0.001	0.008
Max Ant 0	Max Ant 5+6(5)	Front	0.318	0.514	0.154	0.199	0.001	1.186
		Back	0.640	0.236	0.166	0.044	0.052	1.138
		Left Edge	0.074	0.632	0.212	0.828	0.001	1.747
		Right Edge	0.845	0.104	0.316	1.302	0.001	2.568
		Top Edge	0.396	0.086	0.001	0.021	0.001	0.505
		Bottom Edge	0.001	0.044	0.001	0.002	0.001	0.049
Max Ant 0	Max Ant 6	Front	0.318	0.647	0.154	0.199	0.001	1.319
		Back	0.640	0.243	0.166	0.044	0.052	1.145
		Left Edge	0.074	1.091	0.212	0.828	0.001	2.206
		Right Edge	0.845	0.153	0.316	1.302	0.001	2.617
		Top Edge	0.396	0.257	0.001	0.021	0.001	0.676
		Bottom Edge	0.001	0.001	0.001	0.002	0.001	0.006
Max Ant 1	Max Ant 1+2(2)	Front	0.476	0.352	0.154	0.199	0.001	1.182
		Back	0.312	0.255	0.166	0.044	0.052	0.829
		Left Edge	0.095	1.035	0.212	0.828	0.001	2.171
		Right Edge	0.899	0.001	0.316	1.302	0.001	2.519
		Top Edge	0.893	0.494	0.001	0.021	0.001	1.410
		Bottom Edge	0.012	0.001	0.001	0.002	0.001	0.017
Max Ant 1	Max Ant 3	Front	0.476	0.284	0.154	0.199	0.001	1.114
		Back	0.312	0.277	0.166	0.044	0.052	0.851
		Left Edge	0.095	1.185	0.212	0.828	0.001	2.321
		Right Edge	0.899	0.048	0.316	1.302	0.001	2.566
		Top Edge	0.893	0.054	0.001	0.021	0.001	0.970
		Bottom Edge	0.012	0.003	0.001	0.002	0.001	0.019
Max Ant 1	Max Ant 5+6(5)	Front	0.476	0.514	0.154	0.199	0.001	1.344
		Back	0.312	0.236	0.166	0.044	0.052	0.810
		Left Edge	0.095	0.632	0.212	0.828	0.001	1.768
		Right Edge	0.899	0.104	0.316	1.302	0.001	2.622
		Top Edge	0.893	0.086	0.001	0.021	0.001	1.002
		Bottom Edge	0.012	0.044	0.001	0.002	0.001	0.060
Max Ant 1	Max Ant 6	Front	0.476	0.647	0.154	0.199	0.001	1.477
		Back	0.312	0.243	0.166	0.044	0.052	0.817
		Left Edge	0.095	1.091	0.212	0.828	0.001	2.227
		Right Edge	0.899	0.153	0.316	1.302	0.001	2.671
		Top Edge	0.893	0.257	0.001	0.021	0.001	1.173
		Bottom Edge	0.012	0.001	0.001	0.002	0.001	0.017
Max Ant 4	Max Ant 1+2(2)	Front	0.164	0.352	0.154	0.199	0.001	0.870
		Back	0.142	0.255	0.166	0.044	0.052	0.659
		Left Edge	0.029	1.035	0.212	0.828	0.001	2.105



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		Right Edge	0.809	0.001	0.316	1.302	0.001	2.429
		Top Edge	0.017	0.494	0.001	0.021	0.001	0.534
		Bottom Edge	0.001	0.001	0.001	0.002	0.001	0.006
Max Ant 4	Max Ant 3	Front	0.164	0.284	0.154	0.199	0.001	0.802
		Back	0.142	0.277	0.166	0.044	0.052	0.681
		Left Edge	0.029	1.185	0.212	0.828	0.001	2.255
		Right Edge	0.809	0.048	0.316	1.302	0.001	2.476
		Top Edge	0.017	0.054	0.001	0.021	0.001	0.094
		Bottom Edge	0.001	0.003	0.001	0.002	0.001	0.008
Max Ant 4	Max Ant 5+6(5)	Front	0.164	0.514	0.154	0.199	0.001	1.032
		Back	0.142	0.236	0.166	0.044	0.052	0.640
		Left Edge	0.029	0.632	0.212	0.828	0.001	1.702
		Right Edge	0.809	0.104	0.316	1.302	0.001	2.532
		Top Edge	0.017	0.086	0.001	0.021	0.001	0.126
		Bottom Edge	0.001	0.044	0.001	0.002	0.001	0.049
Max Ant 4	Max Ant 6	Front	0.164	0.647	0.154	0.199	0.001	1.165
		Back	0.142	0.243	0.166	0.044	0.052	0.647
		Left Edge	0.029	1.091	0.212	0.828	0.001	2.161
		Right Edge	0.809	0.153	0.316	1.302	0.001	2.581
		Top Edge	0.017	0.257	0.001	0.021	0.001	0.297
		Bottom Edge	0.001	0.001	0.001	0.002	0.001	0.006

<Non-DBS>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	7	1+2+3+6+7 Summed 10g SAR (W/kg)	1+2+5+6+7 Summed 10g SAR (W/kg)	1+2+4+7 Summed 10g SAR (W/kg)
			Max WWAN 10g SAR (W/kg)	Max WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 7+8(8) 10g SAR (W/kg)	WLAN2.4GHz MIMO 10g SAR (W/kg)	WLAN5/6GHz MIMO 10g SAR (W/kg)	Bluetooth LE Ant 7 10g SAR (W/kg)	NFC 10g SAR (W/kg)			
Max Ant 0	Max Ant 1+2(2)	Front	0.318	0.352	0.154	0.154	0.208	0.001	0.001	0.826	0.880	0.825
		Back	0.640	0.255	0.166	0.166	0.060	0.001	0.052	1.114	1.008	1.113
		Left Edge	0.074	1.035		0.212	1.171	0.001	0.001	1.111	2.282	1.322
		Right Edge	0.845	0.001	0.316	0.316	1.602	0.001	0.001	1.164	2.450	1.163
		Top Edge	0.396	0.494	0.001	0.001	0.035		0.001	0.892	0.926	0.892
		Bottom Edge	0.001	0.001	0.001	0.001	0.002		0.001	0.004	0.005	0.004
Max Ant 0	Max Ant 3	Front	0.318	0.284	0.154	0.154	0.208	0.001	0.001	0.758	0.812	0.757
		Back	0.640	0.277	0.166	0.166	0.060	0.001	0.052	1.136	1.030	1.135
		Left Edge	0.074	1.185		0.212	1.171	0.001	0.001	1.261	2.432	1.472
		Right Edge	0.845	0.048	0.316	0.316	1.602	0.001	0.001	1.211	2.497	1.210
		Top Edge	0.396	0.054	0.001	0.001	0.035		0.001	0.452	0.486	0.452
		Bottom Edge	0.001	0.003	0.001	0.001	0.002		0.001	0.006	0.007	0.006
Max Ant 0	Max Ant 5+6(5)	Front	0.318	0.514	0.154	0.154	0.208	0.001	0.001	0.988	1.042	0.987
		Back	0.640	0.236	0.166	0.166	0.060	0.001	0.052	1.095	0.989	1.094
		Left Edge	0.074	0.632		0.212	1.171	0.001	0.001	0.708	1.879	0.919
		Right Edge	0.845	0.104	0.316	0.316	1.602	0.001	0.001	1.267	2.553	1.266
		Top Edge	0.396	0.086	0.001	0.001	0.035		0.001	0.484	0.518	0.484
		Bottom Edge	0.001	0.044	0.001	0.001	0.002		0.001	0.047	0.048	0.047
Max Ant 0	Max Ant 6	Front	0.318	0.647	0.154	0.154	0.208	0.001	0.001	1.121	1.175	1.120
		Back	0.640	0.243	0.166	0.166	0.060	0.001	0.052	1.102	0.996	1.101
		Left Edge	0.074	1.091		0.212	1.171	0.001	0.001	1.167	2.338	1.378
		Right Edge	0.845	0.153	0.316	0.316	1.602	0.001	0.001	1.316	2.602	1.315
		Top Edge	0.396	0.257	0.001	0.001	0.035		0.001	0.655	0.689	0.655
		Bottom Edge	0.001	0.001	0.001	0.001	0.002		0.001	0.004	0.005	0.004
Max Ant 1	Max Ant 1+2(2)	Front	0.476	0.352	0.154	0.154	0.208	0.001	0.001	0.984	1.038	0.983
		Back	0.312	0.255	0.166	0.166	0.060	0.001	0.052	0.786	0.680	0.785
		Left Edge	0.095	1.035		0.212	1.171	0.001	0.001	1.132	2.303	1.343
		Right Edge	0.899	0.001	0.316	0.316	1.602	0.001	0.001	1.218	2.504	1.217
		Top Edge	0.893	0.494	0.001	0.001	0.035		0.001	1.389	1.423	1.389

		Bottom Edge	0.012	0.001	0.001	0.001	0.002		0.001	0.015	0.016	0.015
Max Ant 1	Max Ant 3	Front	0.476	0.284	0.154	0.154	0.208	0.001	0.001	0.916	0.970	0.915
		Back	0.312	0.277	0.166	0.166	0.060	0.001	0.052	0.808	0.702	0.807
		Left Edge	0.095	1.185		0.212	1.171	0.001	0.001	1.282	2.453	1.493
		Right Edge	0.899	0.048	0.316	0.316	1.602	0.001	0.001	1.265	2.551	1.264
		Top Edge	0.893	0.054	0.001	0.001	0.035		0.001	0.949	0.983	0.949
		Bottom Edge	0.012	0.003	0.001	0.001	0.002		0.001	0.017	0.018	0.017
Max Ant 1	Max Ant 5+6(5)	Front	0.476	0.514	0.154	0.154	0.208	0.001	0.001	1.146	1.200	1.145
		Back	0.312	0.236	0.166	0.166	0.060	0.001	0.052	0.767	0.661	0.766
		Left Edge	0.095	0.632		0.212	1.171	0.001	0.001	0.729	1.900	0.940
		Right Edge	0.899	0.104	0.316	0.316	1.602	0.001	0.001	1.321	2.607	1.320
		Top Edge	0.893	0.086	0.001	0.001	0.035		0.001	0.981	1.015	0.981
		Bottom Edge	0.012	0.044	0.001	0.001	0.002		0.001	0.058	0.059	0.058
Max Ant 1	Max Ant 6	Front	0.476	0.647	0.154	0.154	0.208	0.001	0.001	1.279	1.333	1.278
		Back	0.312	0.243	0.166	0.166	0.060	0.001	0.052	0.774	0.668	0.773
		Left Edge	0.095	1.091		0.212	1.171	0.001	0.001	1.188	2.359	1.399
		Right Edge	0.899	0.153	0.316	0.316	1.602	0.001	0.001	1.370	2.656	1.369
		Top Edge	0.893	0.257	0.001	0.001	0.035		0.001	1.152	1.186	1.152
		Bottom Edge	0.012	0.001	0.001	0.001	0.002		0.001	0.015	0.016	0.015
Max Ant 4	Max Ant 1+2(2)	Front	0.164	0.352	0.154	0.154	0.208	0.001	0.001	0.672	0.726	0.671
		Back	0.142	0.255	0.166	0.166	0.060	0.001	0.052	0.616	0.510	0.615
		Left Edge	0.029	1.035		0.212	1.171	0.001	0.001	1.066	2.237	1.277
		Right Edge	0.809	0.001	0.316	0.316	1.602	0.001	0.001	1.128	2.414	1.127
		Top Edge	0.017	0.494	0.001	0.001	0.035		0.001	0.513	0.547	0.513
		Bottom Edge	0.001	0.001	0.001	0.001	0.002		0.001	0.004	0.005	0.004
Max Ant 4	Max Ant 3	Front	0.164	0.284	0.154	0.154	0.208	0.001	0.001	0.604	0.658	0.603
		Back	0.142	0.277	0.166	0.166	0.060	0.001	0.052	0.638	0.532	0.637
		Left Edge	0.029	1.185		0.212	1.171	0.001	0.001	1.216	2.387	1.427
		Right Edge	0.809	0.048	0.316	0.316	1.602	0.001	0.001	1.175	2.461	1.174
		Top Edge	0.017	0.054	0.001	0.001	0.035		0.001	0.073	0.107	0.073
		Bottom Edge	0.001	0.003	0.001	0.001	0.002		0.001	0.006	0.007	0.006
Max Ant 4	Max Ant 5+6(5)	Front	0.164	0.514	0.154	0.154	0.208	0.001	0.001	0.834	0.888	0.833
		Back	0.142	0.236	0.166	0.166	0.060	0.001	0.052	0.597	0.491	0.596
		Left Edge	0.029	0.632		0.212	1.171	0.001	0.001	0.663	1.834	0.874
		Right Edge	0.809	0.104	0.316	0.316	1.602	0.001	0.001	1.231	2.517	1.230
		Top Edge	0.017	0.086	0.001	0.001	0.035		0.001	0.105	0.139	0.105
		Bottom Edge	0.001	0.044	0.001	0.001	0.002		0.001	0.047	0.048	0.047
Max Ant 4	Max Ant 6	Front	0.164	0.647	0.154	0.154	0.208	0.001	0.001	0.967	1.021	0.966
		Back	0.142	0.243	0.166	0.166	0.060	0.001	0.052	0.604	0.498	0.603
		Left Edge	0.029	1.091		0.212	1.171	0.001	0.001	1.122	2.293	1.333
		Right Edge	0.809	0.153	0.316	0.316	1.602	0.001	0.001	1.280	2.566	1.279
		Top Edge	0.017	0.257	0.001	0.001	0.035		0.001	0.276	0.310	0.276
		Bottom Edge	0.001	0.001	0.001	0.001	0.002		0.001	0.004	0.005	0.004

Test Engineer : Andy Chiang, Carter Jhuang, Casper Hsu and Kevin Guo

16. Uncertainty Assessment

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	$1/k^{(b)}$	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%

Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependance	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dep endent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68

17. References

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- [5] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
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- [13] SPEAG DASY6 System Handbook
- [14] SPEAG DASY6 Application Note (Interim Procedure for Device Operation at 6GHz-10GHz)