

Measurement Certificate / Material Test

Item Name	Head Tissue Simulating Liquid (HSL750V2)
Product No.	SL AAH 075 AA (Batch: 170612-4)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

Validation results were within $\pm 2.5\%$ towards the target values of Methanol.

Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	1.284 g/cm ³
TSL Heat-capacity	2.701 kJ/(kg*K)

f [MHz]	Measured			Target		Diff. to Target [%]	
	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
600	45.6	22.97	0.77	42.7	0.88	6.7	-13.1
625	45.2	22.73	0.79	42.6	0.88	6.2	-10.6
650	44.9	22.49	0.81	42.5	0.89	5.6	-8.2
675	44.5	22.27	0.84	42.3	0.89	5.1	-5.8
700	44.2	22.05	0.86	42.2	0.89	4.6	-3.5
725	43.8	21.88	0.88	42.1	0.89	4.2	-1.0
750	43.5	21.72	0.91	41.9	0.89	3.8	1.4
775	43.2	21.55	0.93	41.8	0.90	3.4	3.7
800	42.9	21.38	0.95	41.7	0.90	2.9	6.0
825	42.6	21.24	0.97	41.6	0.91	2.4	7.5
838	42.5	21.17	0.99	41.5	0.91	2.2	8.2
850	42.3	21.09	1.00	41.5	0.92	2.0	8.9
875	42.0	20.98	1.02	41.5	0.94	1.2	8.3
900	41.7	20.87	1.05	41.5	0.97	0.5	7.7
925	41.5	20.76	1.07	41.5	0.98	0.0	8.7
950	41.2	20.64	1.09	41.4	0.99	-0.6	9.7
975	40.9	20.55	1.11	41.4	1.00	-1.1	10.9
1000	40.6	20.46	1.14	41.3	1.01	-1.7	12.1

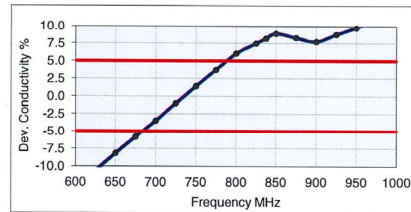
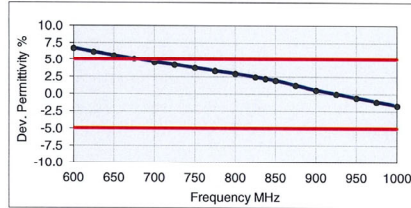




Figure D-3
750MHz Head Tissue Equivalent Matter

FCC ID: ZNFQ720PS		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 04/21/19 - 05/15/19	DUT Type: Portable Handset			APPENDIX D: Page 3 of 6

3 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	50 – 73 %	
Non-ionic detergents	25 – 50 %	polyoxyethylenesorbitan monolaurate
NaCl	0 – 2 %	
Preservative	0.05 – 0.1 %	Preventol-D7

Safety relevant ingredients:

CAS-No. 55965-84-9 < 0.1 % aqueous preparation, containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyl-3(2H)-isothiazolone

CAS-No. 9005-64-5 < 50 % polyoxyethylenesorbitan monolaurate

According to international guidelines, the product is not a dangerous mixture and therefore not required to be marked by symbols.

Figure D-4
Composition of 2.4 GHz Head Tissue Equivalent Matter

Note: 2.4 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

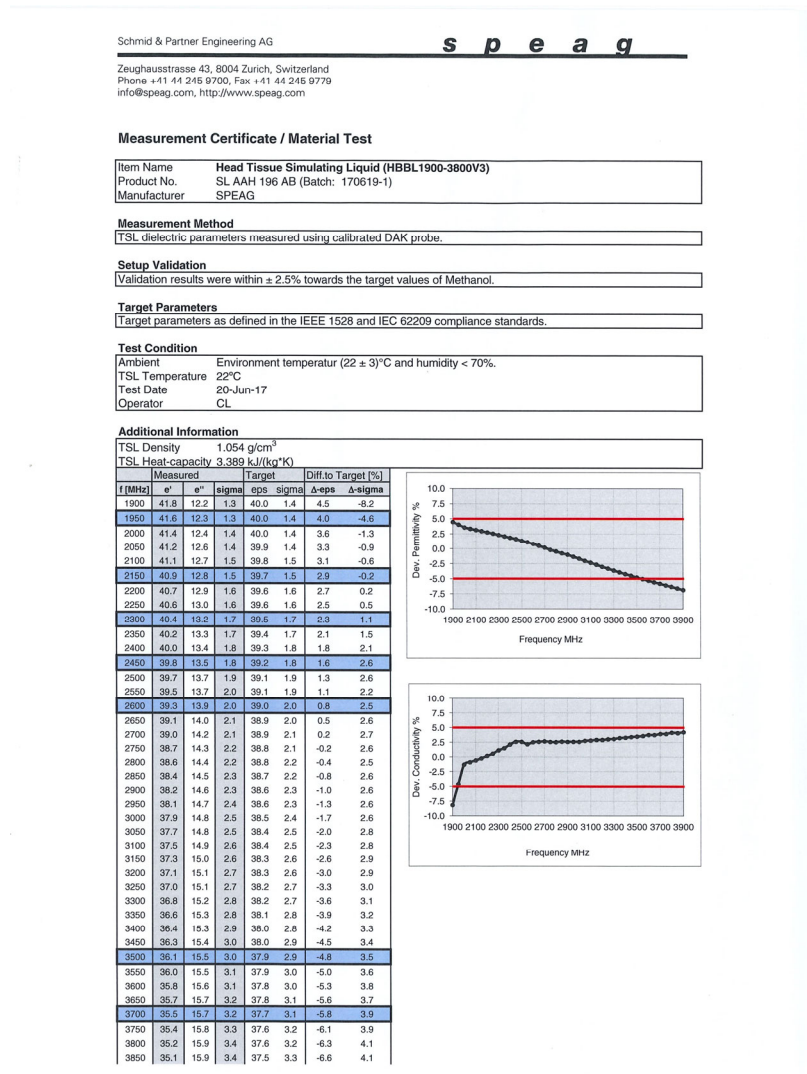




Figure D-5
2.4 GHz Head Tissue Equivalent Matter

FCC ID: ZNFQ720PS	 PCTEST <small>ENGINEERING LABORATORY, INC.</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 04/21/19 - 05/15/19	DUT Type: Portable Handset			APPENDIX D: Page 4 of 6

2 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	50 – 65%
Mineral oil	10 – 30%
Emulsifiers	8 – 25%
Sodium salt	0 – 1.5%

Figure D-6

Composition of 5 GHz Head Tissue Equivalent Matter

Note: 5 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

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Measurement Certificate / Material Test

Item Name	Head Tissue Simulating Liquid (HBBL3500-5800V5)
Product No.	SL AAH 502 AG (Batch: 170613-1)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

Validation results were within $\pm 2.5\%$ towards the target values of Methanol.

Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	0.985 g/cm ³
TSL Heat-capacity	3.363 kJ/(kg·K)

f [MHz]	ε'	ε''	sigma	eps	sigma	A-eps	A-sigma	Diff to Target [%]
3400	38.6	15.03	2.84	38.0	2.81	1.5	1.1	
3500	38.5	15.00	2.92	37.9	2.91	1.5	0.3	
3600	38.3	14.98	3.00	37.8	3.02	1.3	-0.5	
3700	38.2	14.96	3.08	37.7	3.12	1.3	-1.2	
3800	38.1	14.96	3.16	37.6	3.22	1.4	-1.9	
3900	38.0	14.95	3.24	37.5	3.32	1.4	-2.5	
4000	37.9	14.95	3.33	37.4	3.43	1.5	-2.8	
4100	37.8	14.96	3.41	37.2	3.53	1.5	-3.3	
4200	37.6	15.00	3.50	37.1	3.63	1.3	-3.6	
4300	37.5	15.05	3.60	37.0	3.73	1.3	-3.5	
4400	37.4	15.11	3.70	36.9	3.84	1.4	-3.5	
4500	37.2	15.18	3.80	36.8	3.94	1.1	-3.5	
4600	37.1	15.24	3.90	36.7	4.04	1.2	-3.5	
4700	37.0	15.29	4.00	36.6	4.14	1.2	-3.4	
4800	36.8	15.35	4.10	36.4	4.25	1.0	-3.4	
4850	36.8	15.35	4.14	36.4	4.30	1.1	-3.6	
4900	36.7	15.38	4.19	36.3	4.35	1.0	-3.6	
4950	36.6	15.39	4.24	36.3	4.40	0.9	-3.6	
5000	36.5	15.42	4.29	36.2	4.45	0.8	-3.6	
5050	36.5	15.43	4.34	36.2	4.50	0.9	-3.6	
5100	36.4	15.46	4.39	36.1	4.55	0.8	-3.6	
5150	36.3	15.48	4.43	36.0	4.60	0.7	-3.8	
5200	36.2	15.50	4.48	36.0	4.66	0.6	-3.8	
5250	36.1	15.53	4.54	35.9	4.71	0.5	-3.5	
5300	36.1	15.55	4.58	35.9	4.76	0.6	-3.7	
5350	36.0	15.56	4.63	35.8	4.81	0.5	-3.7	
5400	35.9	15.57	4.68	35.8	4.86	0.4	-3.7	
5450	35.9	15.59	4.73	35.7	4.91	0.6	-3.7	
5500	35.8	15.61	4.78	35.6	4.96	0.4	-3.7	
5550	35.7	15.65	4.83	35.6	5.01	0.3	-3.7	
5600	35.6	15.66	4.88	35.5	5.07	0.2	-3.7	
5650	35.6	15.70	4.93	35.5	5.12	0.4	-3.6	
5700	35.5	15.72	4.98	35.4	5.17	0.2	-3.6	
5750	35.4	15.76	5.04	35.4	5.22	0.1	-3.4	
5800	35.4	15.78	5.09	35.3	5.27	0.3	-3.4	
5850	35.3	15.81	5.14	35.3	5.34	0.0	-3.7	
5900	35.3	15.82	5.19	35.3	5.40	0.0	-3.9	

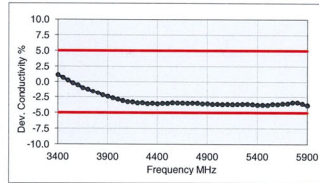
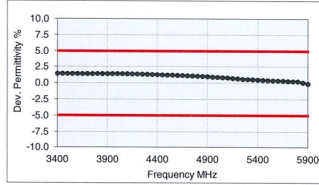




Figure D-7
5 GHz Head Tissue Equivalent Matter

FCC ID: ZNFQ720PS		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 04/21/19 - 05/15/19	DUT Type: Portable Handset			APPENDIX D: Page 5 of 6

3 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	60 – 80%
Esters, Emulsifiers, Inhibitors	20 – 40%
Sodium salt	0 – 1.5%

Figure D-8
Composition of 5 GHz Body Tissue Equivalent Matter

Note: 5 GHz Body liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

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Measurement Certificate / Material Test

Item Name	Body Tissue Simulating Liquid (MBBL3500-5800V5)
Product No.	SL AAM 501 EA (Batch: 180423-2)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters

Target parameters as defined in the KDB 865664 compliance standard.

Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	25-Apr-18
Operator	WM

Additional Information

TSL Density	0.996 g/cm ³
TSL Heat-capacity	3.765 kJ/(kg*K)

f [MHz]	Measured			Target			Diff.to Target [%]	
	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma	
3400	50.7	16.46	3.11	51.5	3.20	-1.5	-2.7	
3500	50.5	16.50	3.21	51.3	3.31	-1.6	-3.1	
3600	50.4	16.56	3.32	51.2	3.43	-1.5	-3.2	
3700	50.3	16.62	3.42	51.1	3.55	-1.5	-3.6	
3800	50.2	16.72	3.53	50.9	3.66	-1.4	-3.7	
3900	50.1	16.81	3.65	50.8	3.78	-1.3	-3.5	
4000	49.9	16.93	3.77	50.6	3.90	-1.5	-3.3	
4100	49.8	17.05	3.89	50.5	4.01	-1.4	-3.1	
4200	49.6	17.18	4.01	50.4	4.13	-1.5	-2.9	
4300	49.5	17.32	4.14	50.2	4.25	-1.5	-2.5	
4400	49.3	17.46	4.27	50.1	4.37	-1.6	-2.2	
4500	49.2	17.59	4.40	50.0	4.48	-1.5	-1.8	
4600	49.0	17.73	4.54	49.8	4.60	-1.7	-1.3	
4700	48.8	17.86	4.67	49.7	4.72	-1.8	-1.0	
4800	48.6	17.99	4.80	49.6	4.83	-1.9	-0.7	
4850	48.5	18.05	4.87	49.5	4.89	-2.0	-0.4	
4900	48.4	18.11	4.94	49.4	4.95	-2.1	-0.2	
4950	48.3	18.17	5.00	49.4	5.01	-2.1	-0.1	
5000	48.2	18.23	5.07	49.3	5.07	-2.2	0.1	
5050	48.1	18.29	5.14	49.2	5.12	-2.3	0.3	
5100	48.0	18.34	5.20	49.2	5.18	-2.3	0.3	
5150	47.9	18.39	5.27	49.1	5.24	-2.4	0.6	
5200	47.9	18.45	5.34	49.0	5.30	-2.3	0.8	
5250	47.8	18.50	5.40	48.9	5.36	-2.3	0.8	
5300	47.7	18.56	5.47	48.9	5.42	-2.4	1.0	
5350	47.6	18.61	5.54	48.8	5.47	-2.5	1.2	
5400	47.5	18.67	5.61	48.7	5.53	-2.5	1.4	
5450	47.4	18.72	5.68	48.7	5.59	-2.6	1.6	
5500	47.3	18.77	5.74	48.6	5.65	-2.7	1.8	
5550	47.2	18.83	5.81	48.5	5.71	-2.8	1.8	
5600	47.1	18.88	5.88	48.5	5.77	-2.8	2.0	
5650	47.1	18.93	5.95	48.4	5.82	-2.7	2.1	
5700	47.0	18.99	6.02	48.3	5.88	-2.8	2.3	
5750	46.9	19.04	6.09	48.3	5.94	-2.8	2.5	
5800	46.8	19.10	6.16	48.2	6.00	-2.9	2.7	
5850	46.7	19.16	6.23	48.1	6.06	-3.0	2.8	
5900	46.6	19.22	6.31	48.1	6.12	-3.0	3.2	

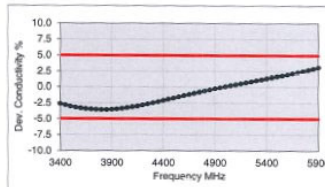
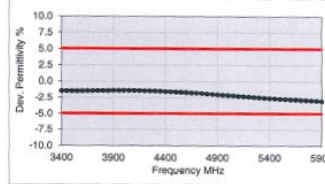




Figure D-9
5 GHz Body Tissue Equivalent Matter

FCC ID: ZNFQ720PS		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 04/21/19 - 05/15/19	DUT Type: Portable Handset			APPENDIX D: Page 6 of 6



APPENDIX D: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

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

Table D-1
SAR System Validation Summary – 1g



SAR System	Freq. (MHz)	Date	Probe SN	Probe Cal Point		Cond. (σ)	Perm. (ϵ_r)	CW VALIDATION			MOD. VALIDATION		
								SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
H	750	9/5/2018	7409	750	Head	0.887	41.85	PASS	PASS	PASS	N/A	N/A	N/A
D	750	4/12/2019	3914	750	Head	0.903	42.79	PASS	PASS	PASS	N/A	N/A	N/A
D	835	4/12/2019	3914	835	Head	0.935	42.55	PASS	PASS	PASS	GMSK	PASS	N/A
H	1750	7/16/2018	7409	1750	Head	1.331	41.19	PASS	PASS	PASS	N/A	N/A	N/A
G	1900	8/9/2018	7410	1900	Head	1.429	38.61	PASS	PASS	PASS	GMSK	PASS	N/A
E	1900	3/11/2019	3589	1900	Head	1.436	39.62	PASS	PASS	PASS	GMSK	PASS	N/A
L	2450	4/29/2019	7308	2450	Head	1.82	37.75	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
E	2450	2/5/2019	3589	2450	Head	1.825	39.84	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
E	2600	2/7/2019	3589	2600	Head	1.964	40.46	PASS	PASS	PASS	TDD	PASS	N/A
H	5250	7/5/2018	7409	5250	Head	4.492	34.99	PASS	PASS	PASS	OFDM	N/A	PASS
H	5600	7/5/2018	7409	5600	Head	4.839	34.5	PASS	PASS	PASS	OFDM	N/A	PASS
H	5750	7/5/2018	7409	5750	Head	4.995	34.29	PASS	PASS	PASS	OFDM	N/A	PASS
L	750	11/6/2018	7308	750	Body	0.962	53.92	PASS	PASS	PASS	N/A	N/A	N/A
J	835	3/10/2019	7488	835	Body	0.988	53.87	PASS	PASS	PASS	GMSK	PASS	N/A
D	1750	4/29/2019	3914	1750	Body	1.529	51.89	PASS	PASS	PASS	N/A	N/A	N/A
I	1900	4/29/2019	7357	1900	Body	1.584	51.77	PASS	PASS	PASS	GMSK	PASS	N/A
G	1900	8/10/2018	7410	1900	Body	1.567	52.24	PASS	PASS	PASS	GMSK	PASS	N/A
K	2450	3/6/2019	7417	2450	Body	2.039	50.67	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K	2600	3/6/2019	7417	2600	Body	2.224	50.17	PASS	PASS	PASS	TDD	PASS	N/A
L	5250	10/29/2018	7308	5250	Body	5.511	48.77	PASS	PASS	PASS	OFDM	N/A	PASS
L	5600	10/29/2018	7308	5600	Body	5.994	48.2	PASS	PASS	PASS	OFDM	N/A	PASS
L	5750	10/29/2018	7308	5750	Body	6.219	47.96	PASS	PASS	PASS	OFDM	N/A	PASS

FCC ID: ZNFQ720PS		SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 04/21/19 - 05/15/19	DUT Type: Portable Handset			APPENDIX D: Page 1 of 2

**Table D-2
SAR System Validation Summary – 10g**

SAR System	Freq. (MHz)	Date	Probe SN	Probe Cal Point		Cond. (σ)	Perm. (ϵ_r)	CW VALIDATION			MOD. VALIDATION		
								SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
G	1900	8/10/2018	7410	1900	Body	1.567	52.239	PASS	PASS	PASS	GMSK	PASS	N/A
I	1900	4/29/2019	7357	1900	Body	1.584	51.771	PASS	PASS	PASS	GMSK	PASS	N/A
K	2450	3/6/2019	7417	2450	Body	2.039	50.67	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K	2600	3/6/2019	7417	2600	Body	2.224	50.17	PASS	PASS	PASS	TDD	PASS	N/A
L	5250	10/29/2018	7308	5250	Body	5.511	48.77	PASS	PASS	PASS	OFDM	N/A	PASS
L	5750	10/29/2018	7308	5750	Body	6.219	47.96	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04

FCC ID: ZNFQ720PS	 PCTEST ENGINEERING LABORATORY, INC.	SAR EVALUATION REPORT	 LG	Approved by: Quality Manager
Test Dates: 04/21/19 - 05/15/19	DUT Type: Portable Handset			APPENDIX D: Page 2 of 2

APPENDIX G POWER REDUCTION VERIFICATION

Per the May 2017 TCBC Workshop Notes, demonstration of proper functioning of the power reduction mechanisms is required to support the corresponding SAR configurations. The verification process was divided into two parts: (1) evaluation of output power levels for individual or multiple triggering mechanisms and (2) evaluation of the triggering distances for proximity-based sensors.

G.1 Power Verification Procedure



The power verification was performed according to the following procedure:

1. A base station simulator was used to establish a conducted RF connection and the output power was monitored. The power measurements were confirmed to be within expected tolerances for all states before and after a power reduction mechanism was triggered.
2. Step 1 was repeated for all relevant modes and frequency bands for the mechanism being investigated.
3. Steps 1 and 2 were repeated for all individual power reduction mechanisms and combinations thereof. For the combination cases, one mechanism was switched to a 'triggered' state at a time; powers were confirmed to be within tolerances after each additional mechanism was activated.

G.2 Distance Verification Procedure

The distance verification procedure was performed according to the following procedure:

1. A base station simulator was used to establish an RF connection and to monitor the power levels. The device being tested was placed below the relevant section of the phantom with the relevant side or edge of the device facing toward the phantom.
2. The device was moved toward and away from the phantom to determine the distance at which the mechanism triggers and the output power is reduced, per KDB Publication 616217 D04v01r02 and FCC Guidance. Each applicable test position was evaluated. The distances were confirmed to be the same or larger (more conservative) than the minimum distances provided by the manufacturer.
3. Steps 1 and 2 were repeated for low, mid, and high bands, as appropriate (see note below Table G-2 for more details).
4. Steps 1 through 3 were repeated for all distance-based power reduction mechanisms.

FCC ID: ZNFQ720PS	 PCTEST ENGINEERING LABORATORY, INC.	SAR EVALUATION REPORT	 LG	Reviewed by: Quality Manager
Test Dates: 04/21/19 – 05/15/19	DUT Type: Portable Handset			APPENDIX G: Page 1 of 2

G.3 Main Antenna Verification Summary

**Table G-1
Power Measurement Verification for Main Antenna**

Mechanism(s)	Mode/Band	Conducted Power (dBm)	
1st		Un-triggered (Max)	Mechanism #1 (Reduced)
Grip	UMTS 1900	23.76	23.21
Grip	PCS CDMA	24.03	22.74
Grip	LTE FDD Band 2	23.66	23.15
Grip	LTE FDD Band 25	23.78	23.31
Grip	LTE TDD Band 41 (PC3)	24.87	22.99
Grip	LTE TDD Band 41 (PC2)	27.7	25.69

**Table G-2
Distance Measurement Verification for Main Antenna**



Mechanism(s)	Test Condition	Band	Distance Measurements (mm)		Minimum Distance per Manufacturer (mm)
			Moving Toward	Moving Away	
Grip	Phablet - Back Side	Mid	2	4	2
Grip	Phablet - Back Side	High	2	4	2
Grip	Phablet - Front Side	Mid	2	4	2
Grip	Phablet - Front Side	High	2	4	2
Grip	Phablet - Bottom Edge	Mid	5	7	4
Grip	Phablet - Bottom Edge	High	5	7	4

*Note: Mid band refers to: PCS CDMA, UMTS B2, LTE B2/25; High band refers to: LTE 41 PC3/PC2

G.4 WIFI Verification Summary

**Table G-3
Power Measurement Verification WIFI**

Mechanism(s)	Mode/Band	Conducted Power (dBm)	
1st		Un-triggered (Max)	Mechanism #1 (Reduced)
Held-to-Ear	802.11b	20.48	18.34
Held-to-Ear	802.11a	17.64	16.83
Held-to-Ear	802.11n (5GHz, 20MHz BW)	17.72	16.75

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General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KBD 941225 D05 V01r02. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.

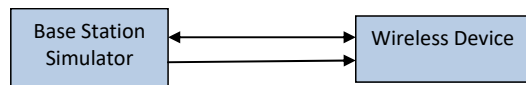




Figure 1
DL CA Power Measurement Setup

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1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 26 as PCC

Table 1
Maximum Output Powers

Combination	PCC									SCC 1				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 25A-26A	LTE B26	15	26865	831.5	QPSK	1	74	8865	876.5	LTE B25	20	8365	1962.5	25.49	25.42

1.3.2 LTE Band 25 as PCC

Table 2
Maximum Output Powers

Combination	PCC									SCC 1				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 25A-25A (1)	LTE B25	10	26090	1855	QPSK	1	49	8090	1935	LTE B25	20	8590	1985	24.28	24.30
CA 25A-26A	LTE B25	10	26090	1855	QPSK	1	49	8090	1935	LTE B26	15	8865	876.5	24.08	24.30

1.3.3 LTE Band 41 PC3 as PCC

Table 3
Maximum Output Powers

Combination	PCC									SCC 1				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	41490	2680	24.99	25.00
CA 41C (1)	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40883	2569.3	24.99	25.00

1.3.1 LTE Band 41 PC2 as PCC

Table 4
Maximum Output Powers

Combination	PCC									SCC 1				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41 PC2	15	41055	2636.5	QPSK	1	74	41055	2636.5	LTE B41 PC2	20	39750	2506	27.68	27.68
CA 41C (1)	LTE B41 PC2	15	41055	2636.5	QPSK	1	74	41055	2636.5	LTE B41 PC2	20	40884	2619.4	27.69	27.68

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