

LTE Release 10 Information per KDB 941225 D05A

1	FCC ID:	ZNFVW820
2	References to Standards	
	a) LTE release and version numbers of the 3GPP documents used to implement the specific device(s):	3GPP TS 36.521-1 Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing Release 10.6
	b) 3GPP release and version numbers required for power measurements and RF test setup conditions:	3GPP TS 36.521-1 Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing Release 10.6
3	Explanations of Inter-band and intra-band aggregation Capabilities	
	a) Intra-band and inter-band carrier aggregation for both downlink and uplink?	
	i) Support of contiguous and non-contiguous component carriers for intra-band aggregation:	None (LG-VW820 does not support downlink carrier aggregation)
	ii) Frequency band combinations supported for inter-band carrier aggregation:	None (LG-VW820 does not support downlink carrier aggregation)
	iii) Number of component carriers, including all combinations, supported for intra-band and inter-band carrier aggregation in the uplink and downlink:	None (LG-VW820 does not support downlink carrier aggregation)
	iv) The channel bandwidth configurations applicable to each carrier aggregation configuration and the applicable carrier aggregation (CA) Bandwidth Classes; A ... F, etc.:	None (LG-VW820 does not support downlink carrier aggregation)
	v) Restrictions on certain channel combinations:	None (LG-VW820 does not support downlink carrier aggregation)
	vi) RB combinations supported by the carrier aggregation configurations:	None (LG-VW820 does not support downlink carrier aggregation)
	b) Maximum output power and tune-up tolerance for each component carrier in each configuration: (if Uplink Carrier Aggregation is supported)	
	i) If power reduction applies, maximum output power with and without carrier aggregation in the reduced power configuration:	None (LG-VW820 does not support uplink carrier aggregation)
	ii) Specified output power variation across channels:	None (LG-VW820 does not support uplink carrier aggregation)
	c) Carrier Aggregation is supported for downlink only:	
	i) Frequency bands and channel bandwidths allowed for the uplink and downlink configuration combinations?	None
	ii) Uplink maximum output power measurement with downlink carrier aggregation active measured, using the highest output channel measured without downlink carrier aggregation?	None
	iii) Maximum output power in CA mode <0.25 dB higher than without CA?	None
	d) Description of Test Equipment and Setup for power and SAR measurements?	UL LLC(CCS)
	e) Other restrictions or limitations associated with the carrier aggregation implementation?	None
4)	Enhanced SC-FDMA supported in the UL? Provide details of implementation, limitations and restrictions, including:	LG-VW820 does not support Enhanced SC-FDMA in the UL
	a) Decoupling of control and data transmissions to enable simultaneous transmission of PUCCH and PUSCH	LG-VW820 does not support Enhanced SC-FDMA in the UL
	b) Non-contiguous data transmission with clustered SC-FDMA to enable non-contiguous subcarriers in PUSCH transmissions.	LG-VW820 does not support Enhanced SC-FDMA in the UL
	c) Issues relating to dynamic switching between schemes	LG-VW820 does not support Enhanced SC-FDMA in the UL
	d) When a partially allocated PUSCH, a cluster of partially allocated PUSCH or a fully allocated PUSCH is transmitted simultaneously either with or without PUCCH, peak to average power ratio of the signal can increase substantially above Rel. 8 implementations	LG-VW820 does not support Enhanced SC-FDMA in the UL
5)	Details of implementation of MIMO or other transmit diversity configurations:	LG-VW820 does not support transmit diversity
6)	UE category and descriptions of the category requirements for supporting carrier aggregation, uplink MIMO and other UE configurations:	LG-VW820 does not support downlink/uplink carrier aggregation
7)	Expected SAR complications with hardware or firmware associated with any LTE Rel. 10 features including: CoMP, HetNet, Relay, SON, cross carrier scheduling, eCIC, enhanced downlink MIMO, MBMS, M2M/D2D support etc.:	It doesn't matter for SAR complications because Tx power level of UE is unchanged even if LTE Release 10 features are implemented
8)	Detailed descriptions of SVLTE support in any carrier aggregation configurations:	LG-VW820 does not support SVLTE
9)	Description of the device and other transmitters contained within it to identify various standalone and/or simultaneous transmission SAR testing concerns.	UL LLC(CCS)