

reference FCC ID: BCG-E8947A  
 variants FCC ID: BCG-E8951A, BCG-E8952A, BCG-E8953A

**Report number: 15496278-E6 FCC IC 802.15.4ab UNII Report**

Test Item	250Kbps	
	ANT6	ANT5
Duty Cycle	Reference	
99% and 26dB Bandwidth	Reference	
6dB Bandwidth	Reference	
Output Power and PSD	Reference	
Radiated band edge	Retest	Reference
Radiated Spurious Emissions below 1GHz	Retest	
Radiated Spurious Emissions above 18GHz	Retest	Reference
AC Mains Conducted Emissions	Retest	

**Report number: 15496278-E7 FCC NB UNII-1 & UNII-3 Report**

Test Item	Modes	Power	Band	All modes		
				ANT6	ANT5	TXBF
Duty Cycle	BDR/BLE/HDR	High/Low	UNII-1, -3	Reference	Reference	
99% and 26dB Bandwidth	BDR/BLE/HDR	High/Low	UNII-1, -3	Reference	Reference	
6dB Bandwidth	BDR/BLE/HDR	High/Low	UNII-3	Reference	Reference	
Output Power and PSD	BDR/BLE/HDR	High/Low	UNII-1, -3	Reference	Reference	
Radiated band edge	BDR/BLE/HDR	High/Low	UNII-1, -3	Retest	Reference	Retest
Radiated Spurious Emissions 1- 18 GHz	BDR/BLE/HDR	High/Low	UNII-1, -3	Retest	Reference	Retest
Radiated Spurious Emissions below 1GHz	BDR/BLE/HDR	High/Low	Worst Case	Retest		
Radiated Spurious Emissions above 18GHz	BDR/BLE/HDR	High/Low	Worst Case	Retest		
AC Mains Conducted Emissions	BDR/BLE/HDR	High/Low	Worst Case	Retest		

**Report number: 15496278-E9 FCC IC UNII-5 NB Report**

Test Item	Modes	Power	SISO		TXBF
			ANT6	ANT5	
Duty Cycle	BDR/BLE/HDR	High/Low		Reference	
99% BW	BDR/BLE/HDR	High/Low	Retest	Reference	Retest
26dB BW	BDR/BLE/HDR	High/Low	Retest	Reference	Retest
Output Power EIRP	BDR/BLE/HDR	High/Low	Retest	Reference	Retest
PSD EIRP	BDR/BLE/HDR	High/Low	Retest	Reference	Retest
Emissions within 5.925-7.125 GHz Band (Emissions Mask)	BDR/BLE/HDR	High/Low	Retest	Reference	Retest
Radiated band edge	BDR/BLE/HDR	High/Low	Retest	Reference	Retest
Radiated Spurious Emissions 1-18GHz	BDR/BLE/HDR	High/Low	Covered by TXBF		Retest
Radiated Spurious Emissions below 1GHz	Worst Case	Worst Case	Reference		
Radiated Spurious Emissions above 18GHz	Worst Case	Worst Case	Reference		
AC Mains Conducted Emissions	Worst Case	Worst Case	Reference		
Transmit Power Control Mechanism	HDR4	High	Reference		

**Report number: 15496278-E10 FCC UNII 5G Conducted Report**

Test Item	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT	2Tx SDM HE/EHT
		1/2A/2C/3	ANT6	ANT5	All Rates
Duty Cycle	1/2A/2C/3			Reference	
99%/26dB BW, Output Power and PSD	1/2A/2C/3			Reference	
BW verification of channel puncturing in the DFS bands	2A/2C			Reference	
6dB BW	2C/3			Reference	

**Report number: 15496278-E10 & E11 FCC IC UNII 5G Radiated Report**

Test Item	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT	2Tx SDM HE/EHT	
		1/2A/2C/3	ANT6	ANT5	All Rates	
Radiated band edge	1/2A/3	Retest	Reference	Reference		
	2C	Reference				
Radiated Spurious Emissions 1GHz to 18GHz	1/2A/2C/3	Covered by MIMO		Retest		
Radiated Spurious Emissions below 1GHz	1/2A/2C/3			Retest		
Radiated Spurious Emissions above 18GHz	1/2A/2C/3			Retest		
AC Mains Conducted Emissions	1/2A/2C/3			Retest		

**Report number: 15496278-E12 FCC UNII 6G Conducted Report**

Test Item	Power mode	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
			ANT6	ANT5	ANT6+5	ANT6+5
Duty Cycle	LP/SP/VLP	5/6/7/8			Reference	
99%/26dB BW, Output Power EIRP/PSD EIRP, Spurious Emissions In-band- Emissions Mask	LP	5	Retest	Reference	Retest	Retest
		6	Retest	Reference	Retest	Retest
		7	Retest	Reference	Reference	Reference
		8	Reference CH 187, 6885MHz retest	Reference	Reference	Reference
	SP	5	RU: Retest SU: Reference	Reference	RU: Retest SU: Reference	RU: Retest <sup>Note 1</sup> SU: Reference
		7	RU: Retest SU: Reference	Reference	Reference	Reference
		5	Retest	Reference	Retest	Retest
	VLP	6	Retest	Reference	Retest <sup>Note 2</sup>	Retest <sup>Note 2</sup>
		7	Retest	Reference	Reference	Reference
		8	Reference CH 187, 6885MHz retest	Reference	Reference	Reference
Dual client test	LP/SP	5/6/7/8			Reference	
VLP Transmit Power Control (TPC)	VLP	5/6/7/8			Reference	
Radiated band edge	LP/SP/VLP	5/6/7/8	Retest	Reference	Retest	
Radiated Spurious Emissions 1GHz to 18GHz	LP/SP/VLP	5/6/7/8	Covered by MIMO		Retest	
Radiated Spurious Emissions below 1GHz	LP/SP/VLP	5/6/7/8			Reference	
Radiated Spurious Emissions above 18GHz	LP/SP/VLP	5/6/7/8			Reference	
AC Mains Conducted Emissions	LP/SP/VLP	5/6/7/8			Reference	

NOTE 1: Except RU partial tones CH 1, 7, are referenced.

NOTE 2: Except CH 115 242T is referenced.

**Report number: 15496278-E12 & E14 FCC IC UNII 6G Radiated Report**

Test Item	Power mode	UNII Bands	SISO a/ HE/EHT All Rates		2Tx CDD HE/EHT All Rates	2Tx SDM HE/EHT All Rates
			ANT6	ANT5	ANT6+5	ANT6+5
Radiated band edge	LP/SP/VLP	5/6/7/8	Retest	Reference	Retest	
Radiated Spurious Emissions 1GHz to 18GHz	LP/SP/VLP	5/6/7/8	Covered by MIMO		Retest	
Radiated Spurious Emissions below 1GHz	LP/SP/VLP	5/6/7/8			Reference	
Radiated Spurious Emissions above 18GHz	LP/SP/VLP	5/6/7/8			Reference	
AC Mains Conducted Emissions	LP/SP/VLP	5/6/7/8			Reference	