

(16QAM High Channel)



(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 207 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

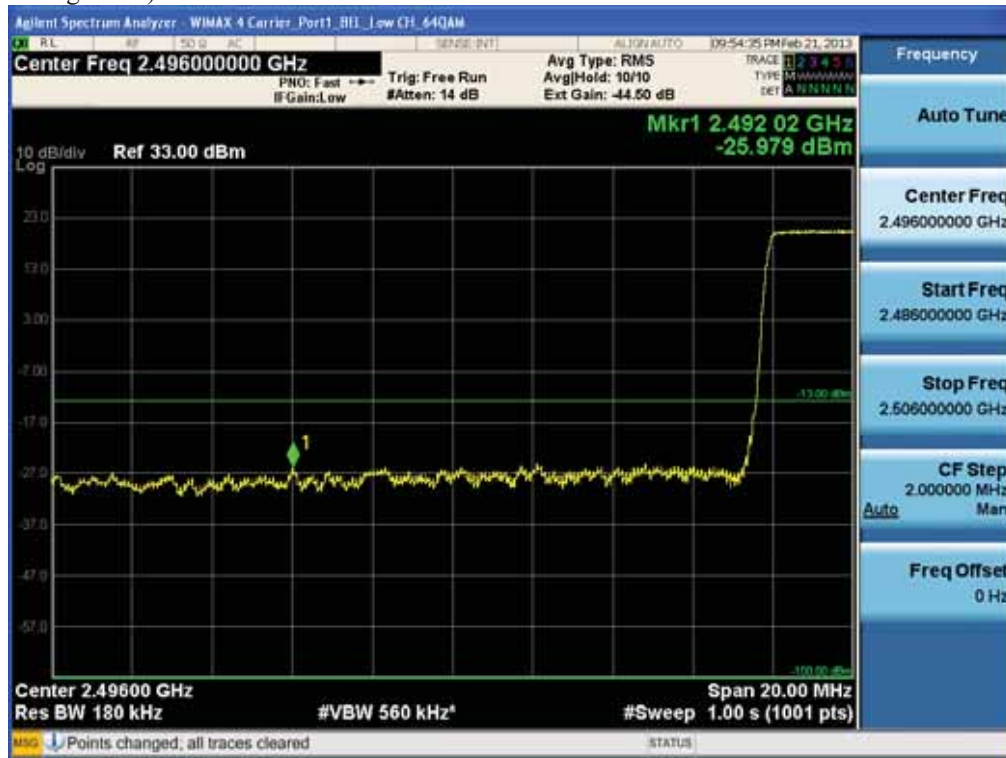
(64QAM Low Channel)



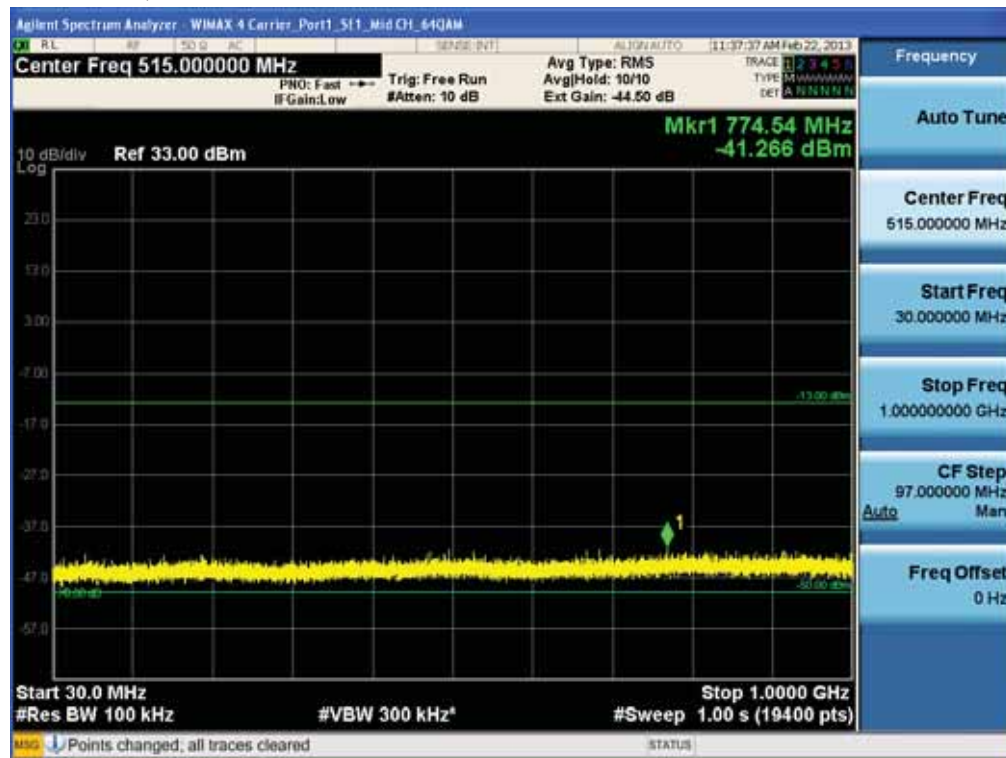
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 208 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

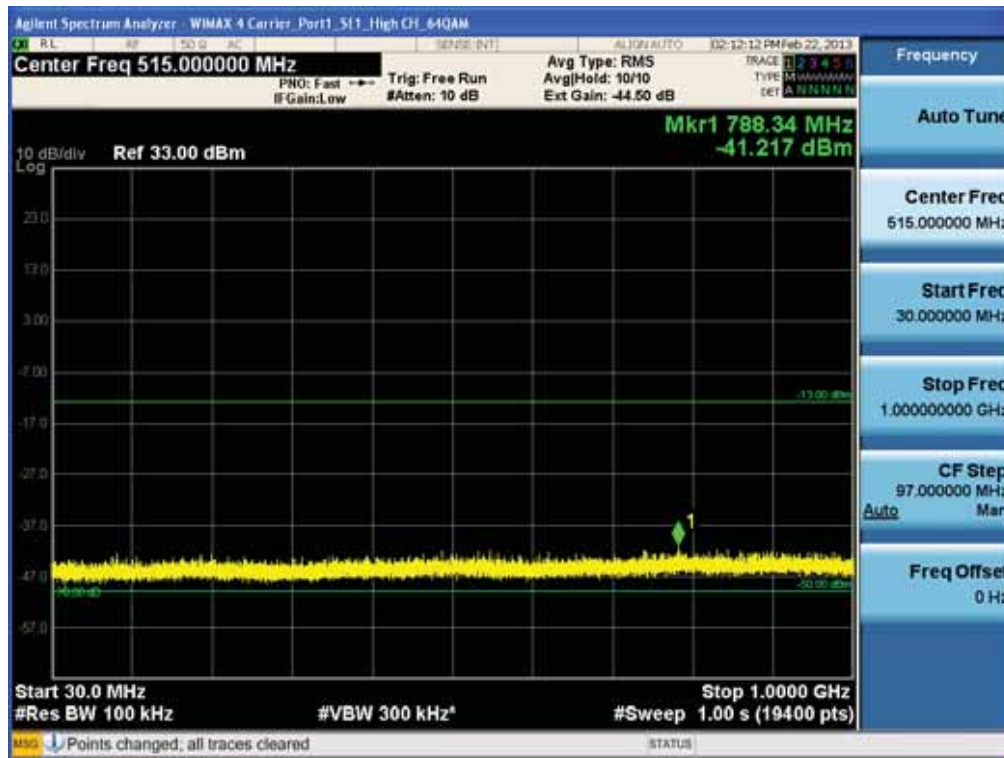
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 209 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

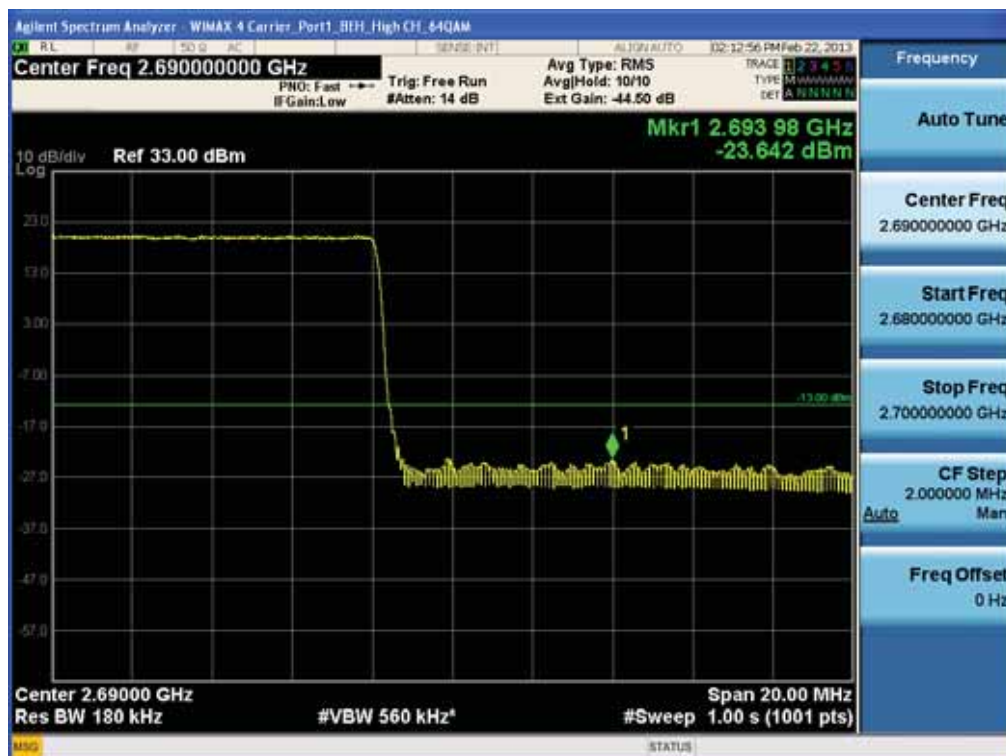
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 210 of 303

(64QAM High Channel)



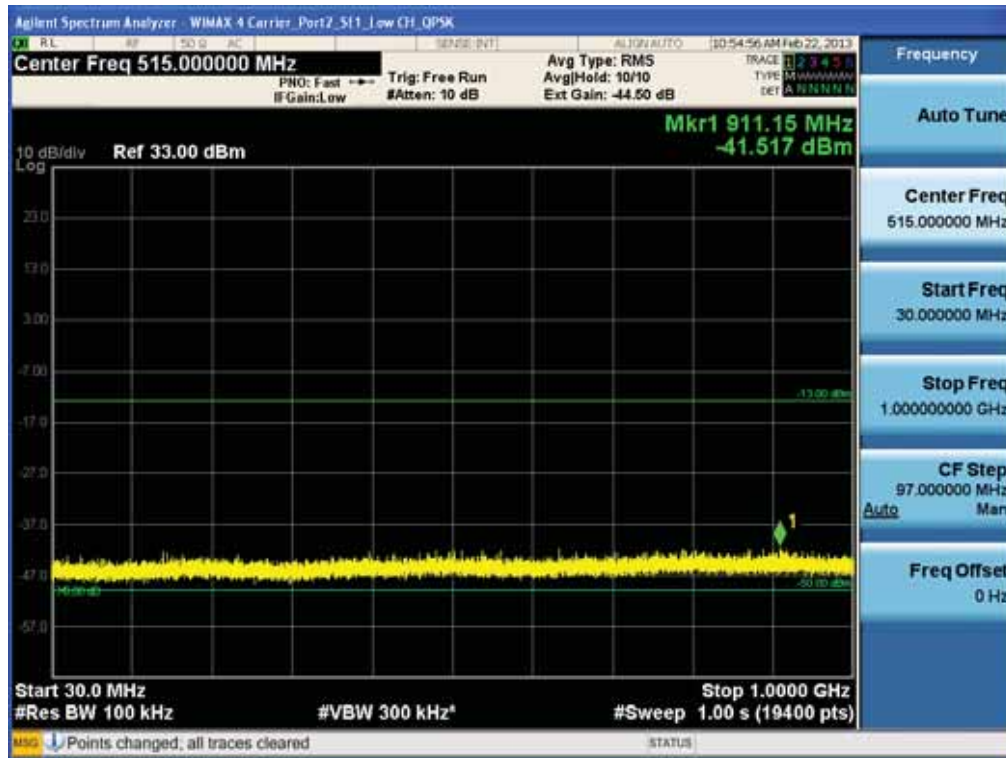
(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 211 of 303

7.4.12. Plot Data at Output Port 2
(QPSK Low Channel)



(30 MHz ~ 1 GHz)

(QPSK Low Channel)



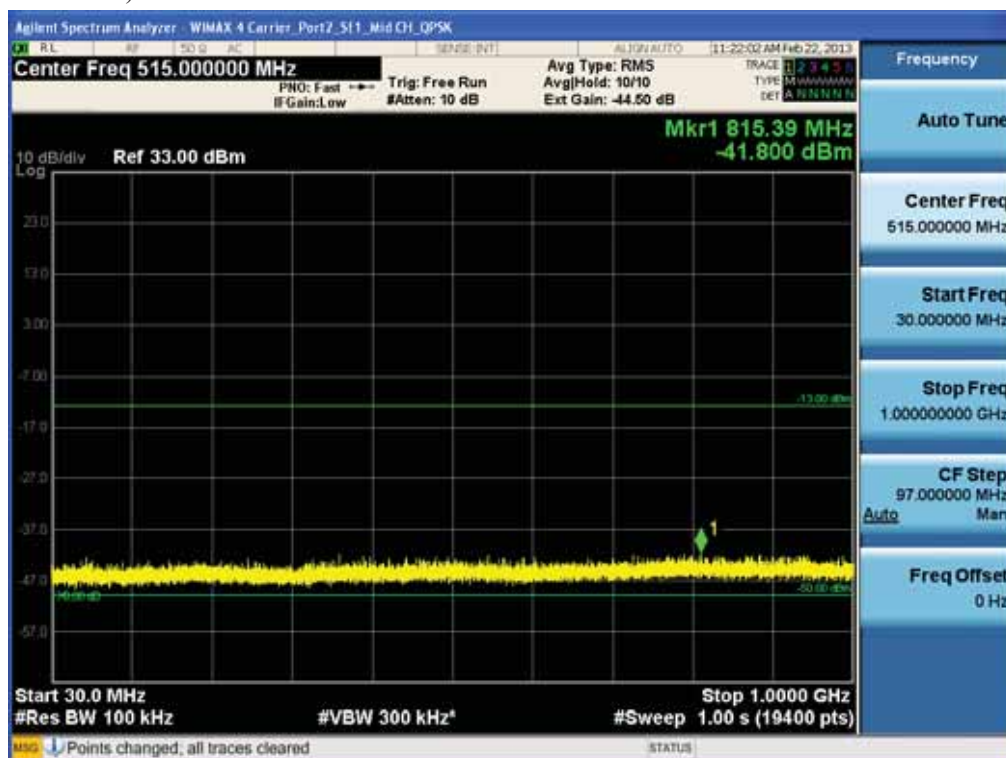
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 212 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

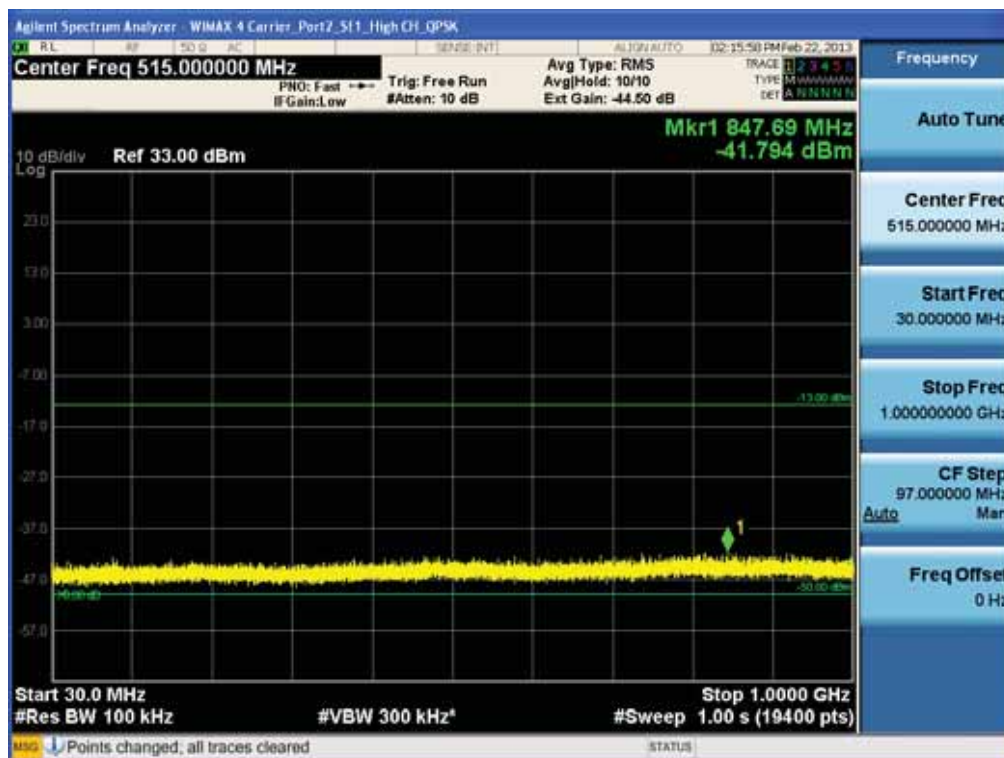
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 213 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

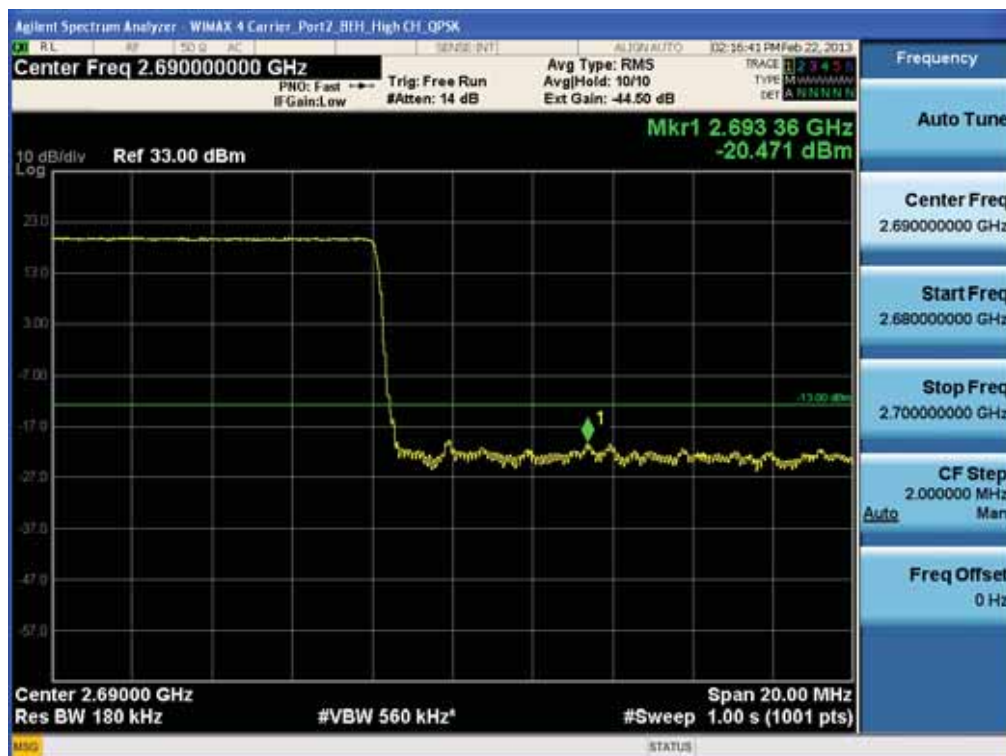
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 214 of 303

(QPSK High Channel)



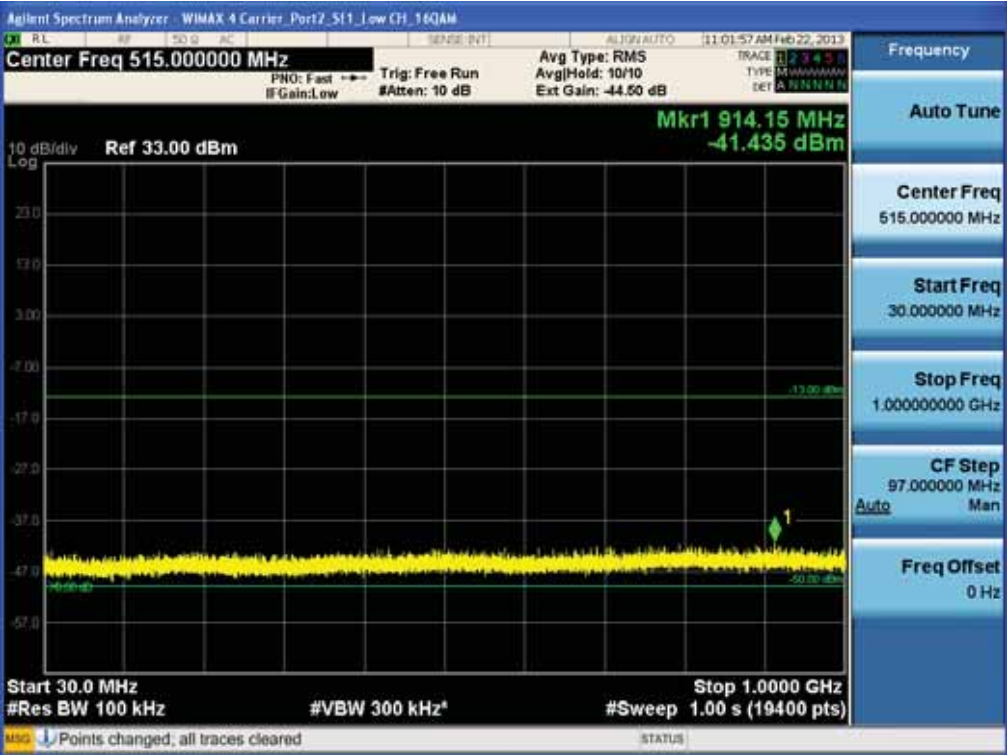
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 215 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

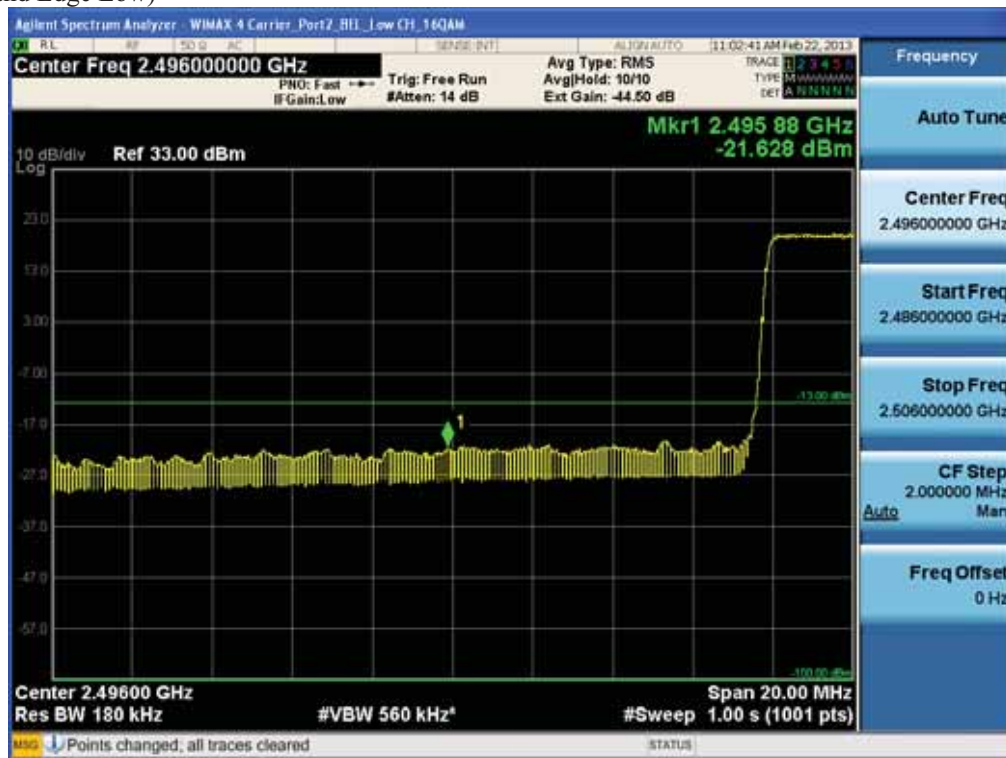
(16QAM Low Channel)



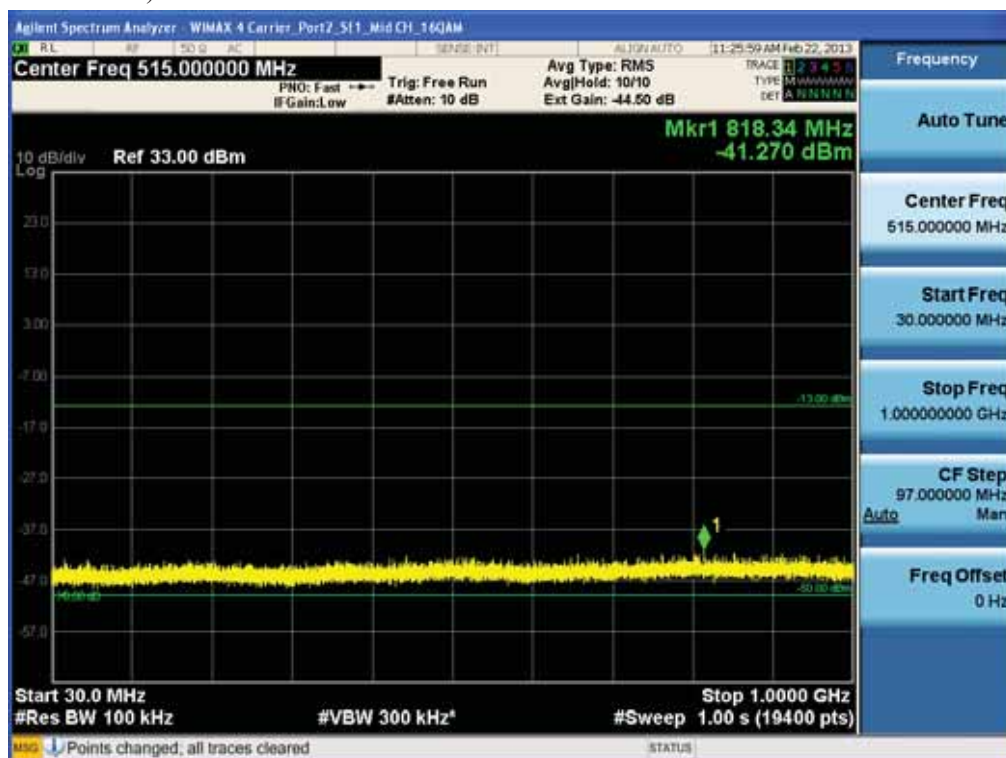
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 216 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz ~ 1 GHz)

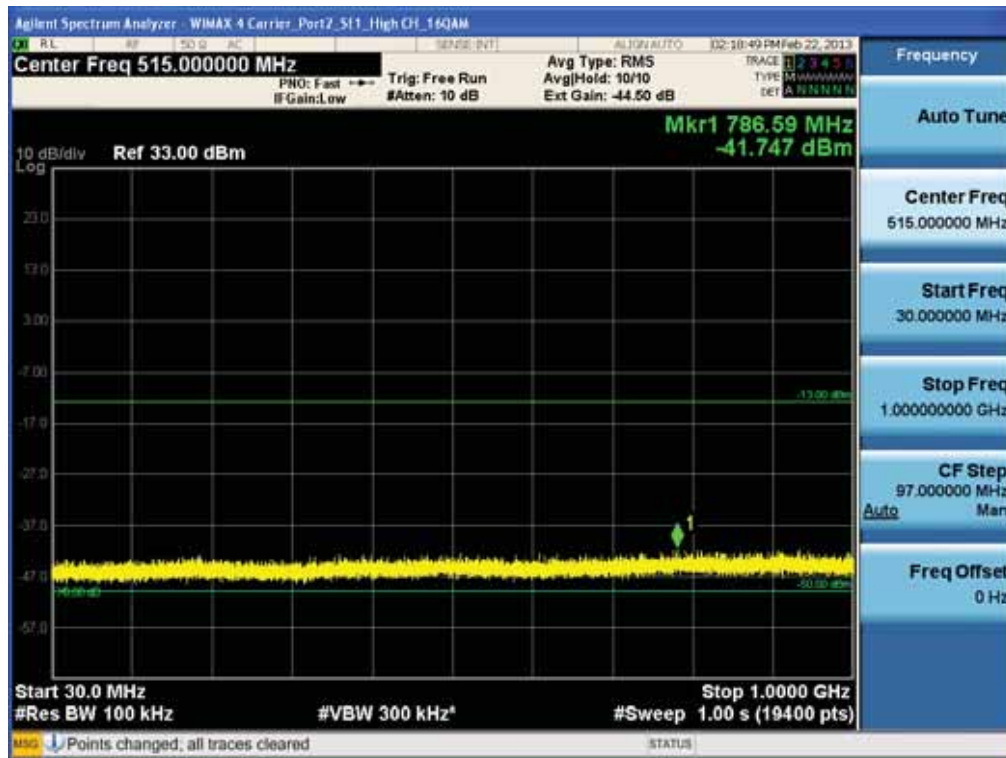
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 217 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

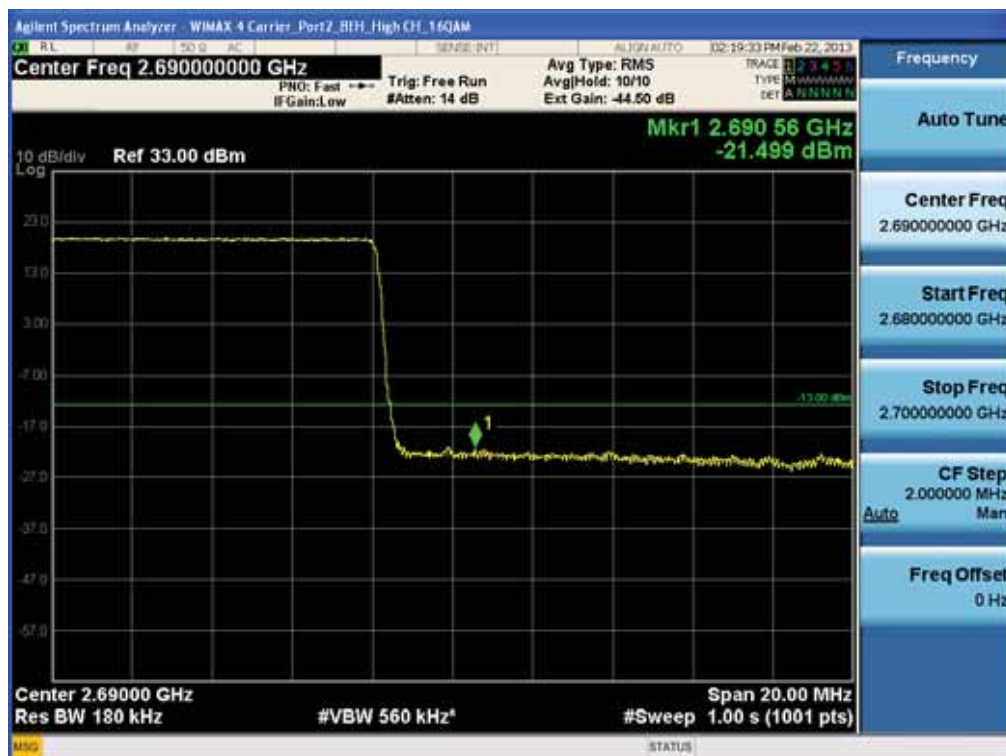
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 218 of 303

(16QAM High Channel)



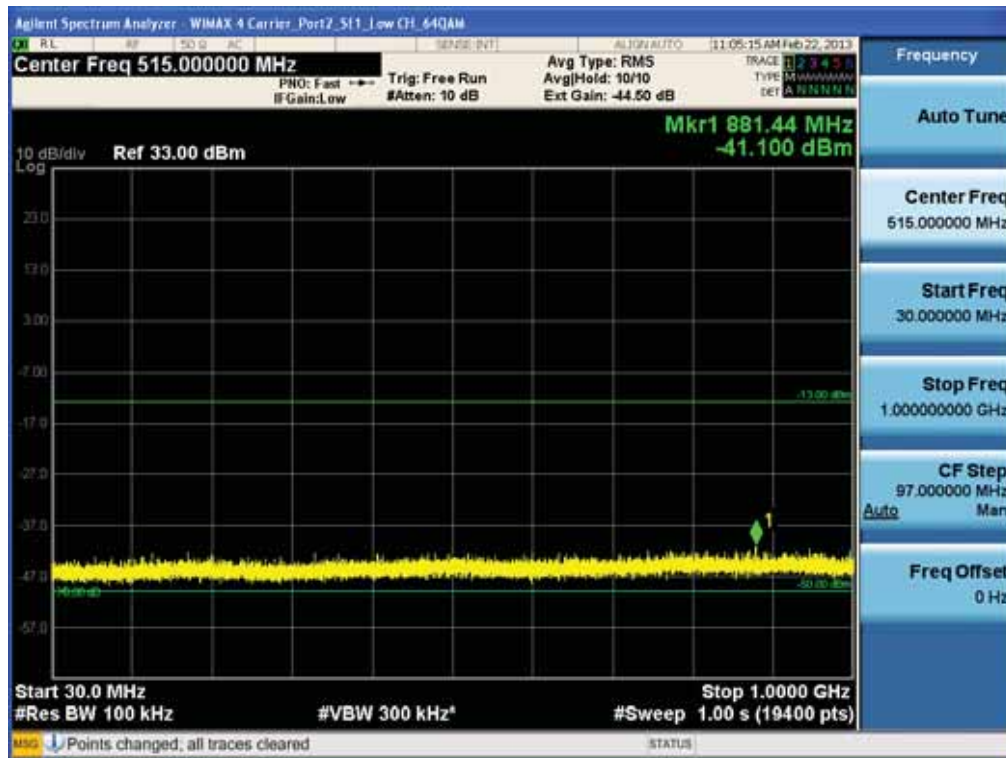
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 219 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

(64QAM Low Channel)



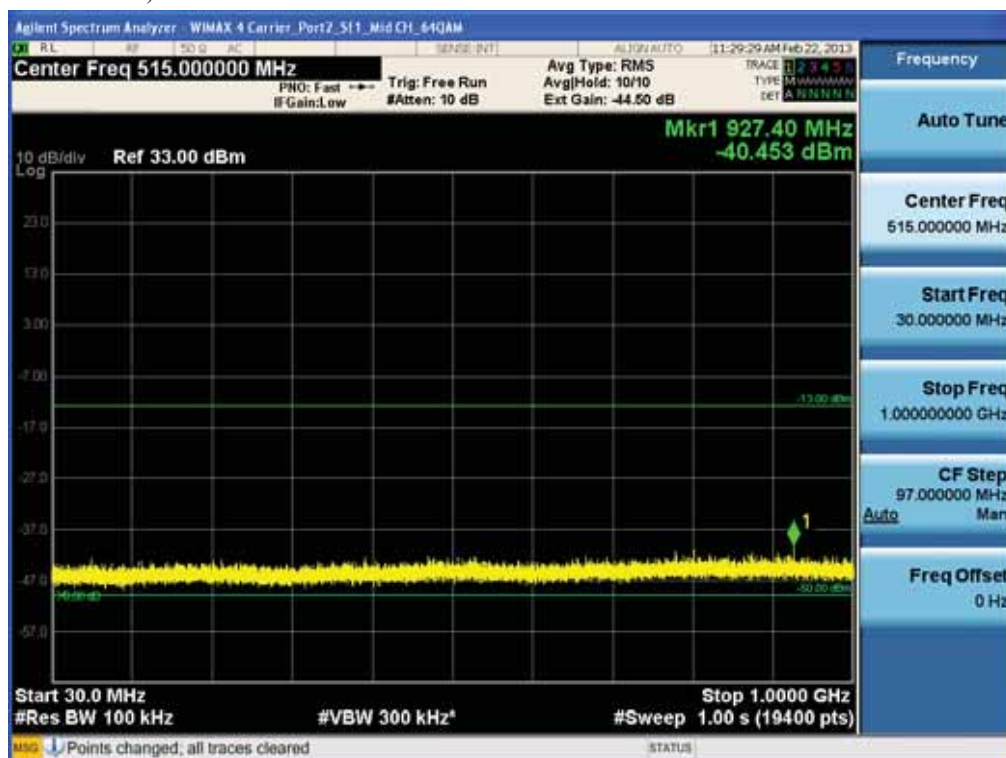
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 220 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

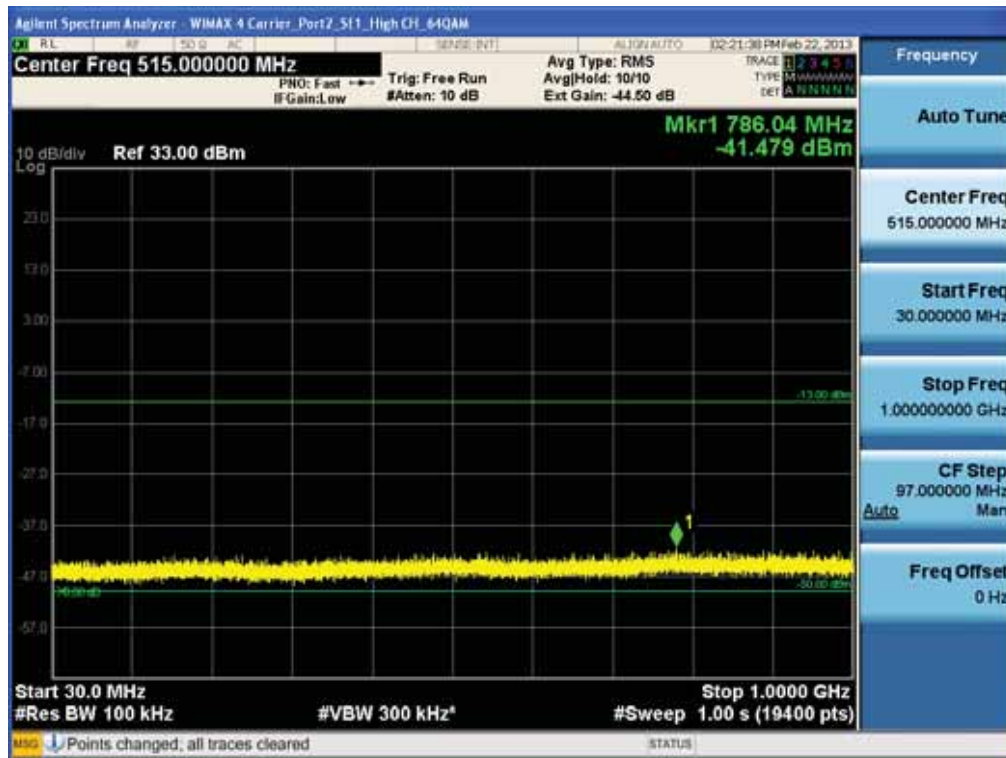
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 221 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 222 of 303

(64QAM High Channel)



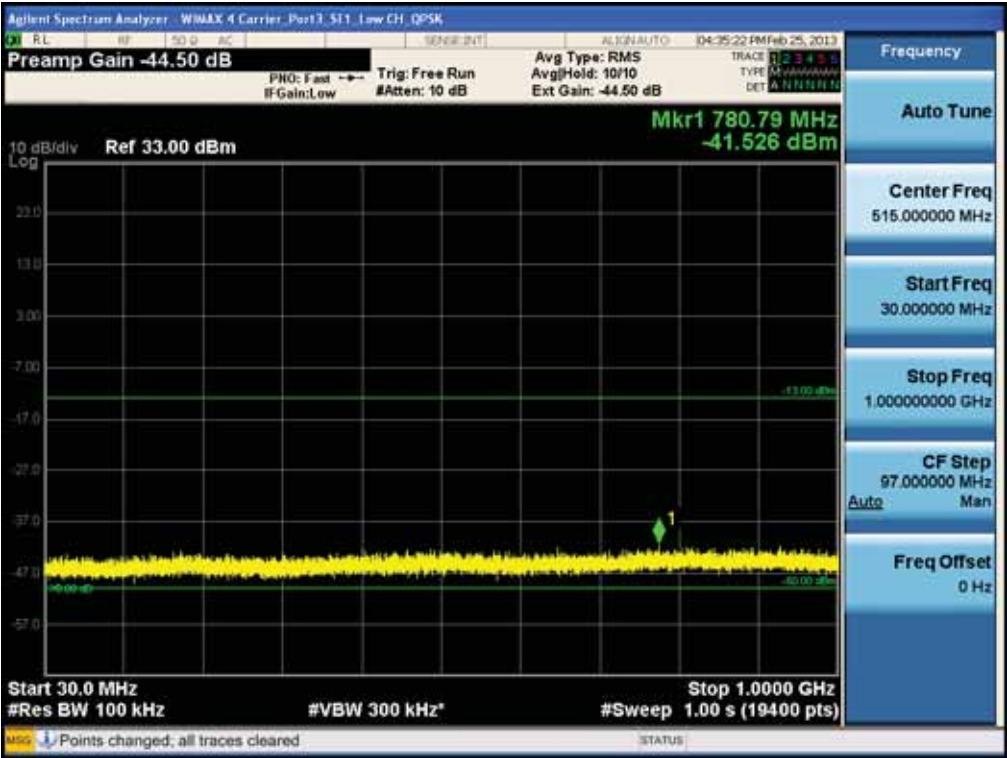
(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 223 of 303

7.4.13. Plot Data at Output Port 3
(QPSK Low Channel)



(30 MHz ~ 1 GHz)

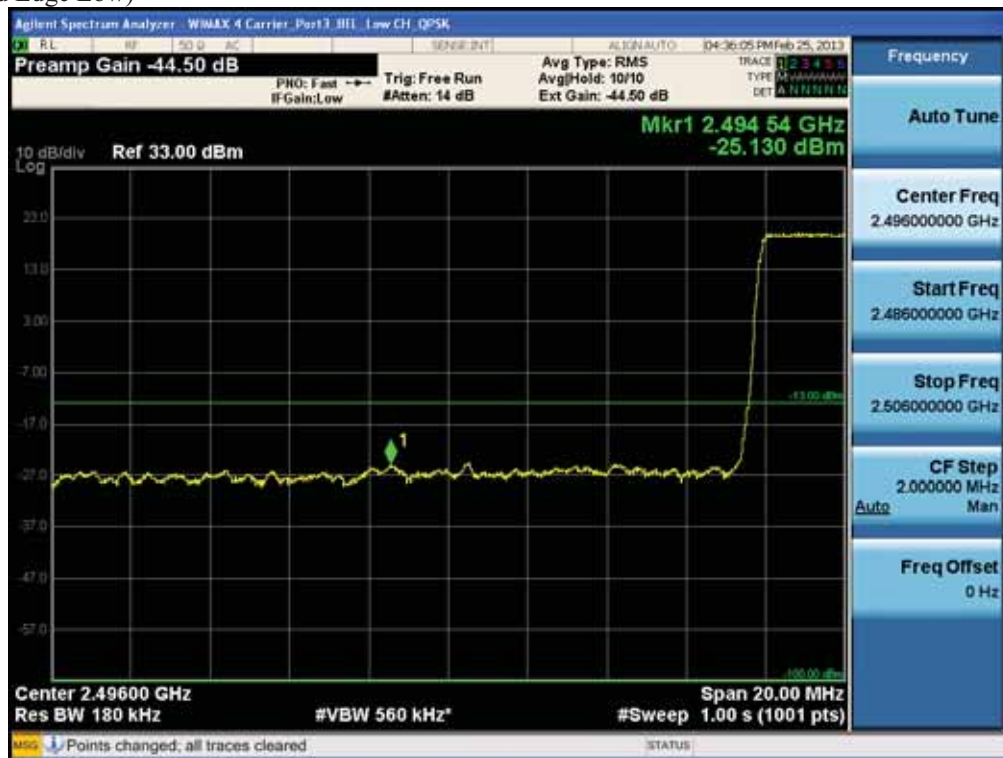
(QPSK Low Channel)



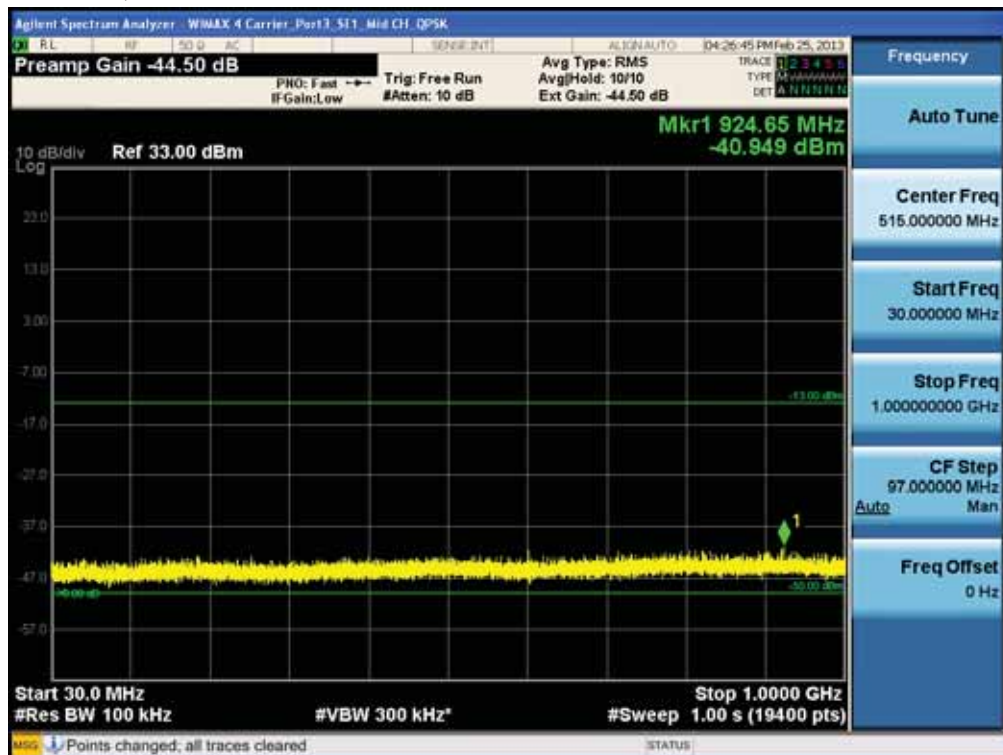
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 224 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

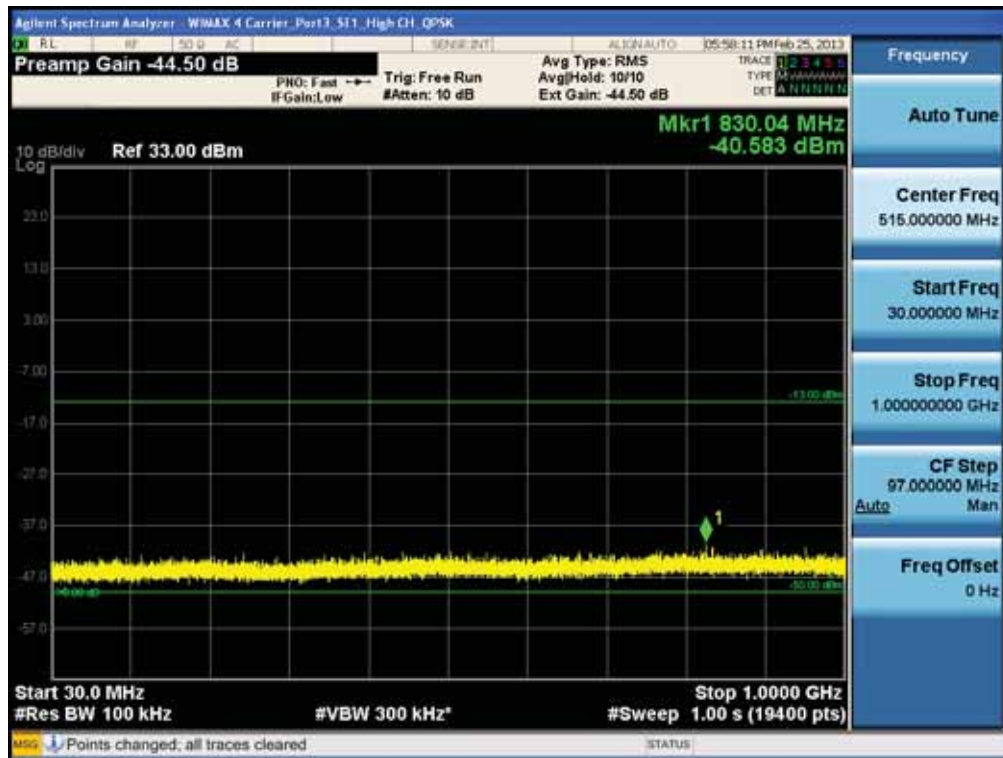
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 225 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 226 of 303

(QPSK High Channel)



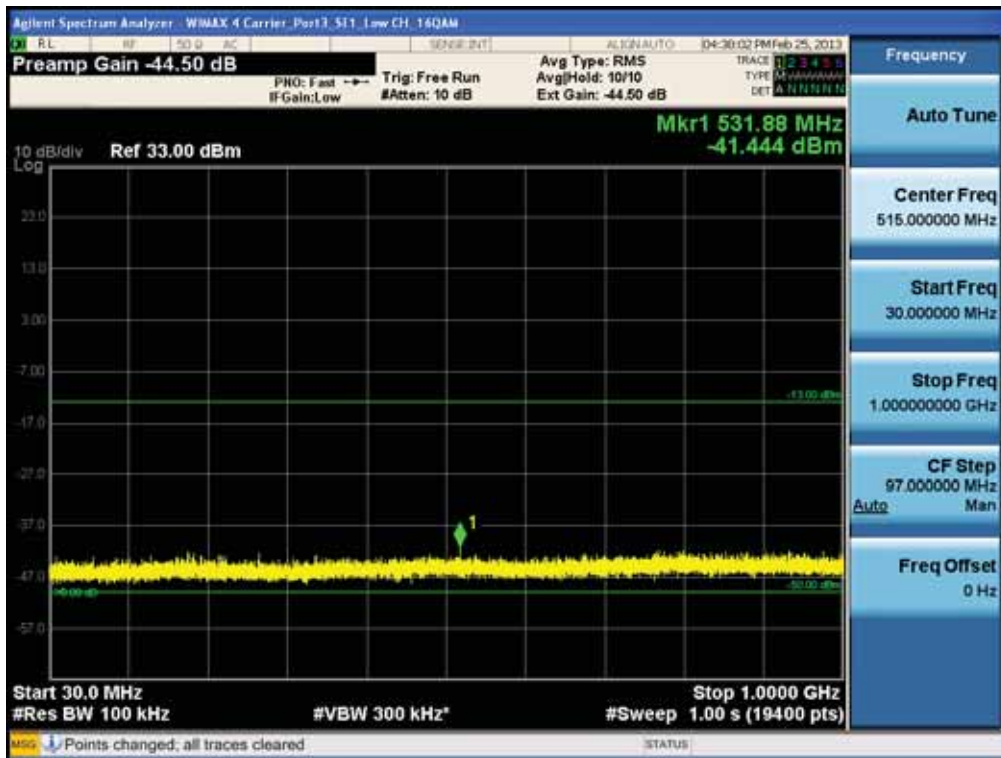
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 227 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

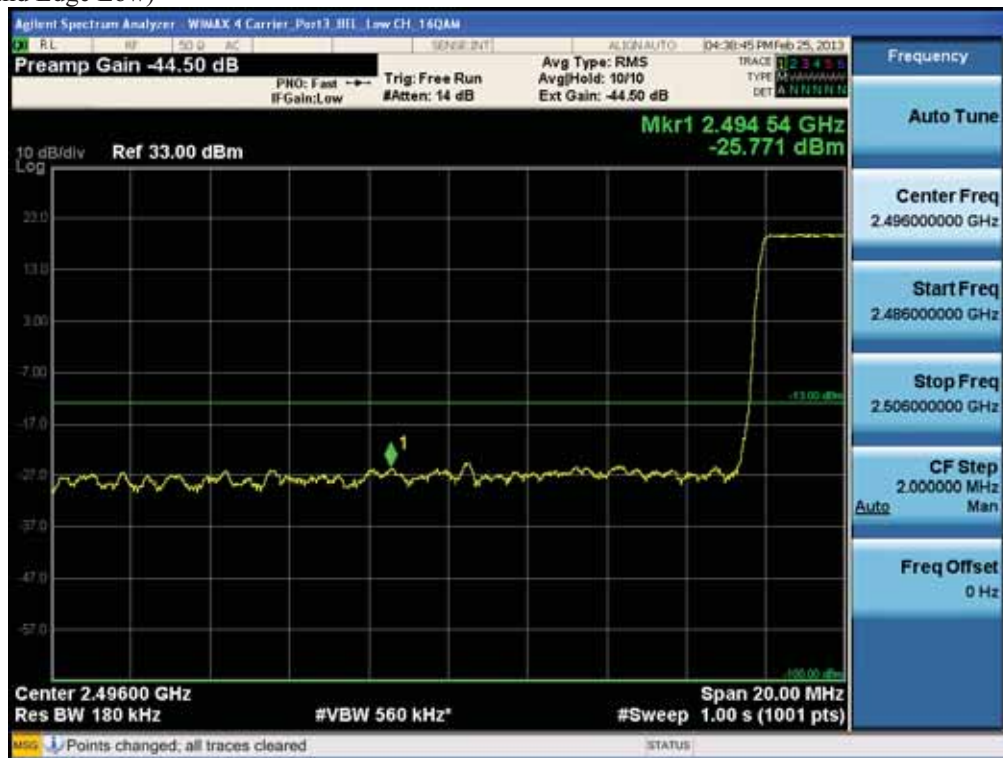
(16QAM Low Channel)



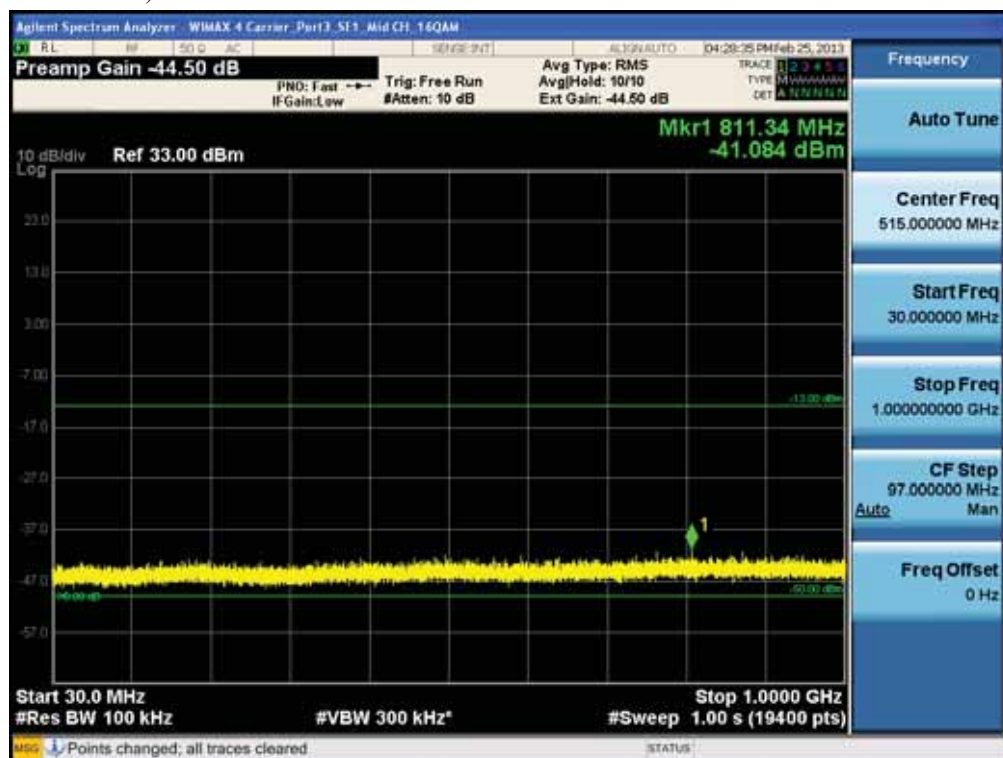
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 228 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz ~ 1 GHz)

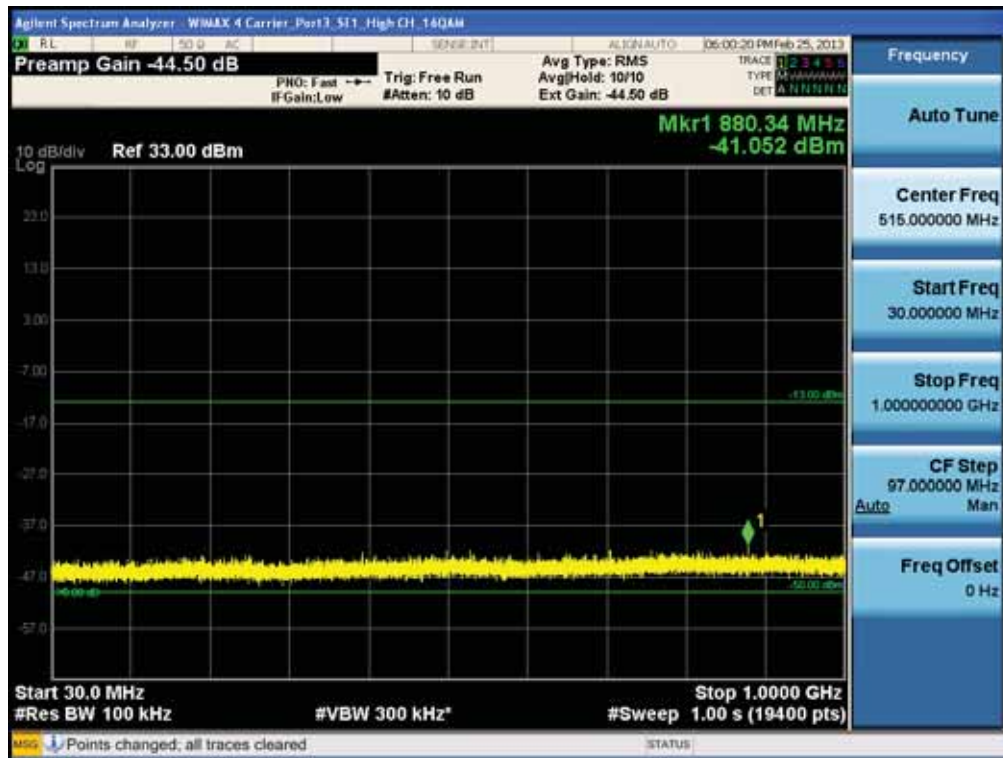
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 229 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 230 of 303

(16QAM High Channel)



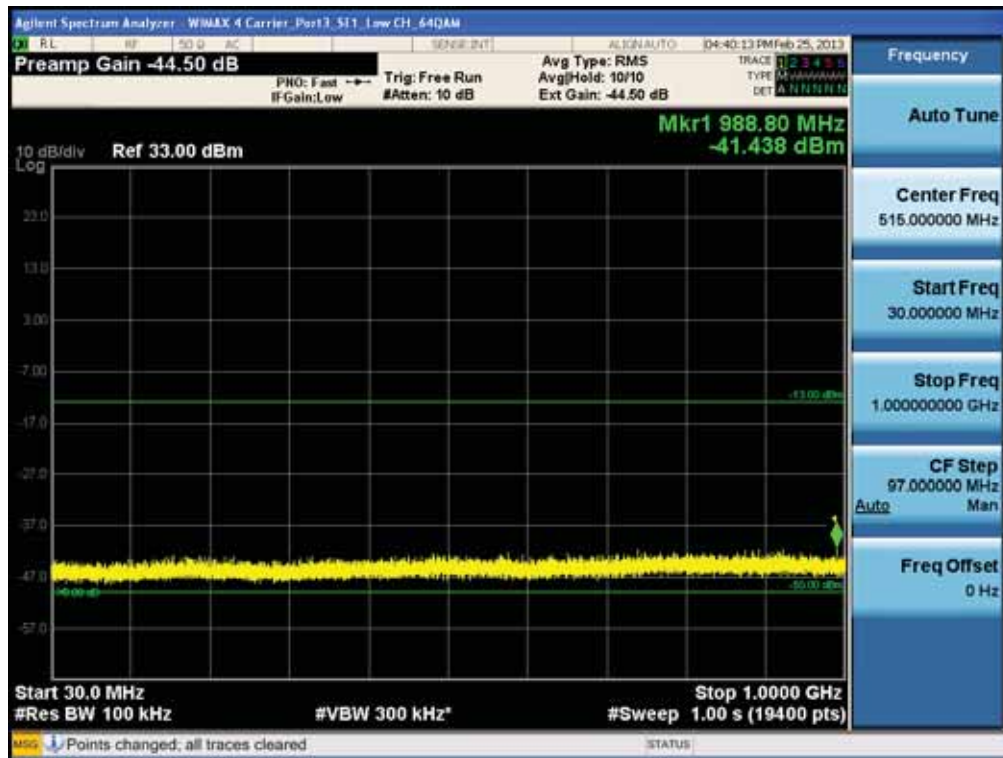
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 231 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

(64QAM Low Channel)



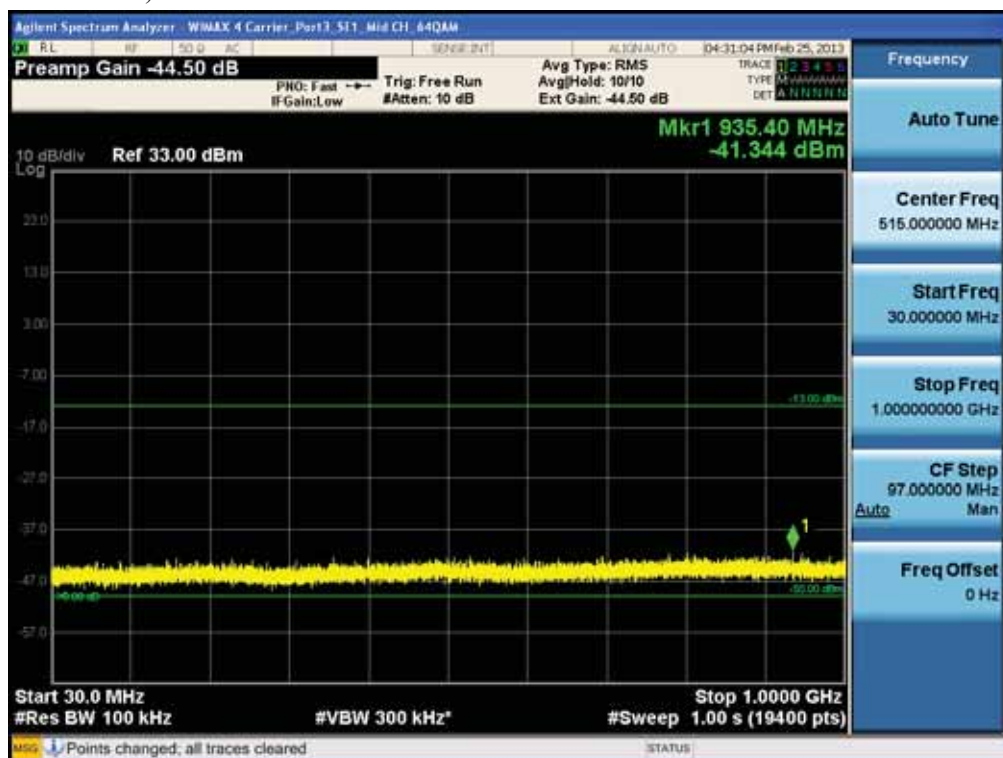
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 232 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

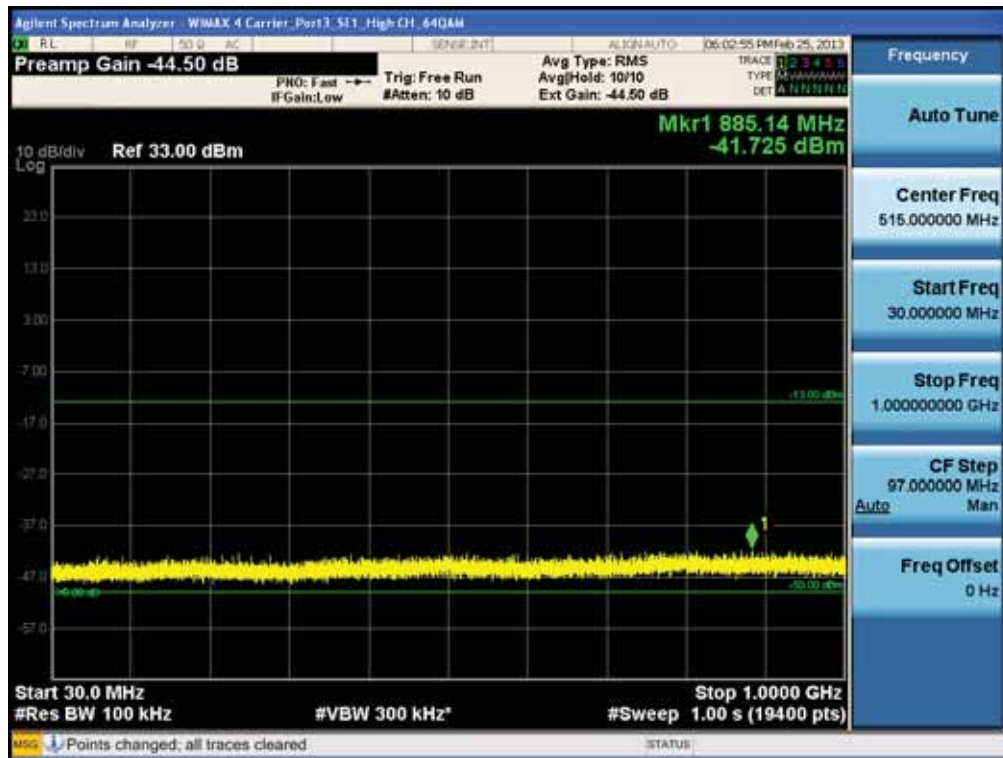
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 233 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 234 of 303

(64QAM High Channel)



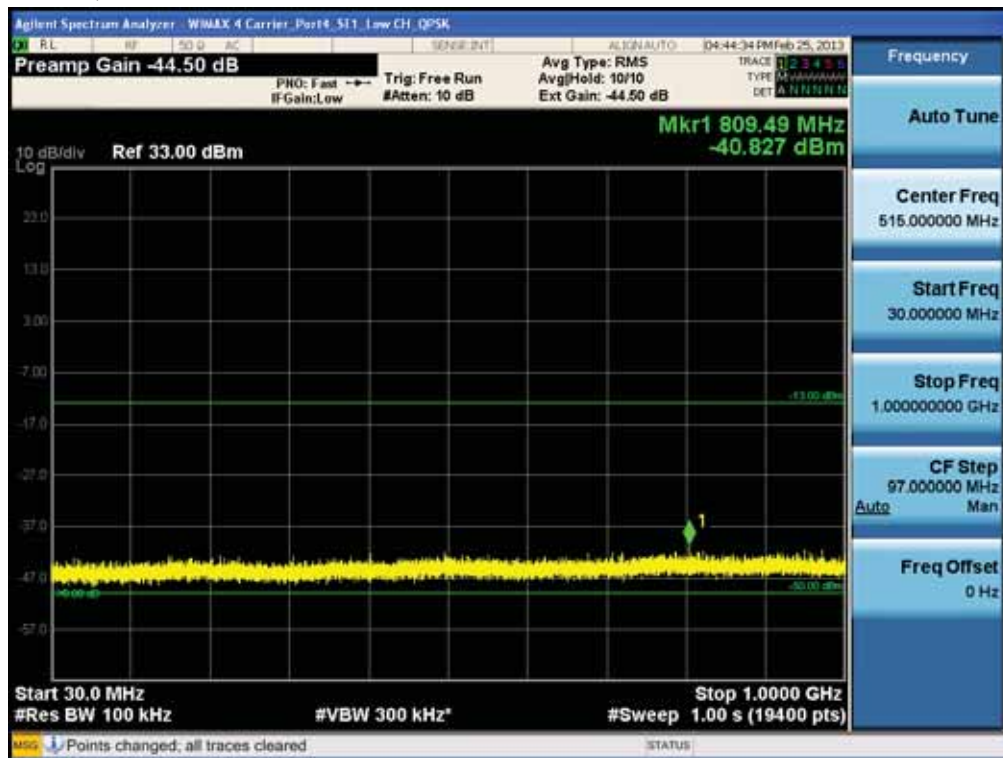
(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 235 of 303

7.4.14. Plot Data at Output Port 4
(QPSK Low Channel)



(30 MHz ~ 1 GHz)

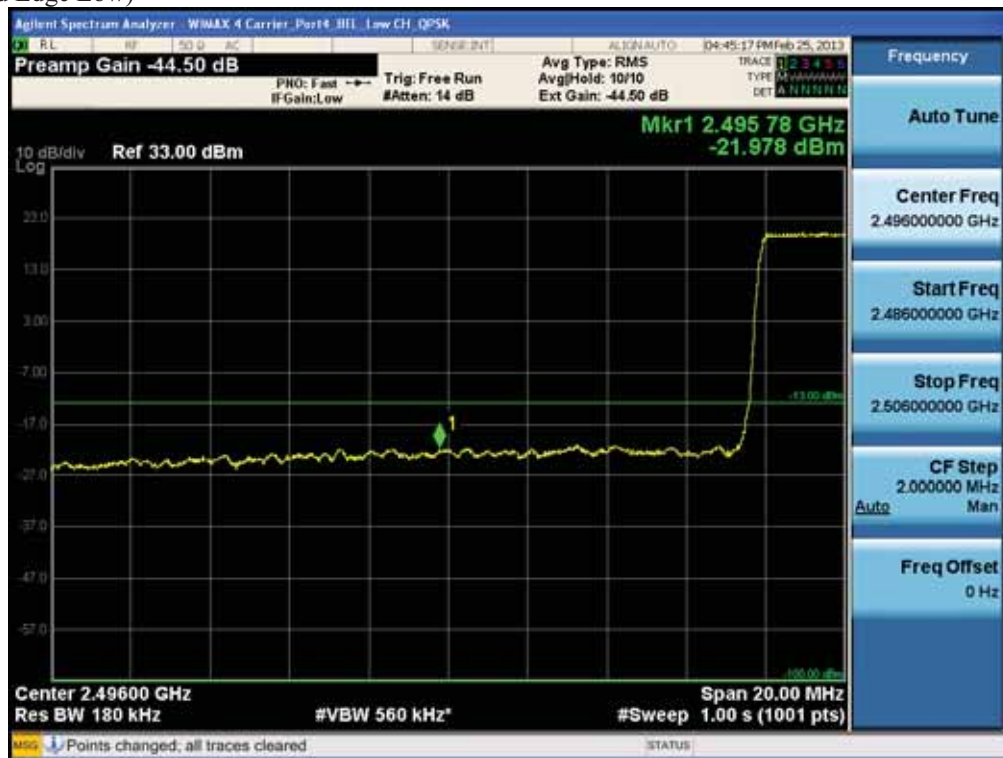
(QPSK Low Channel)



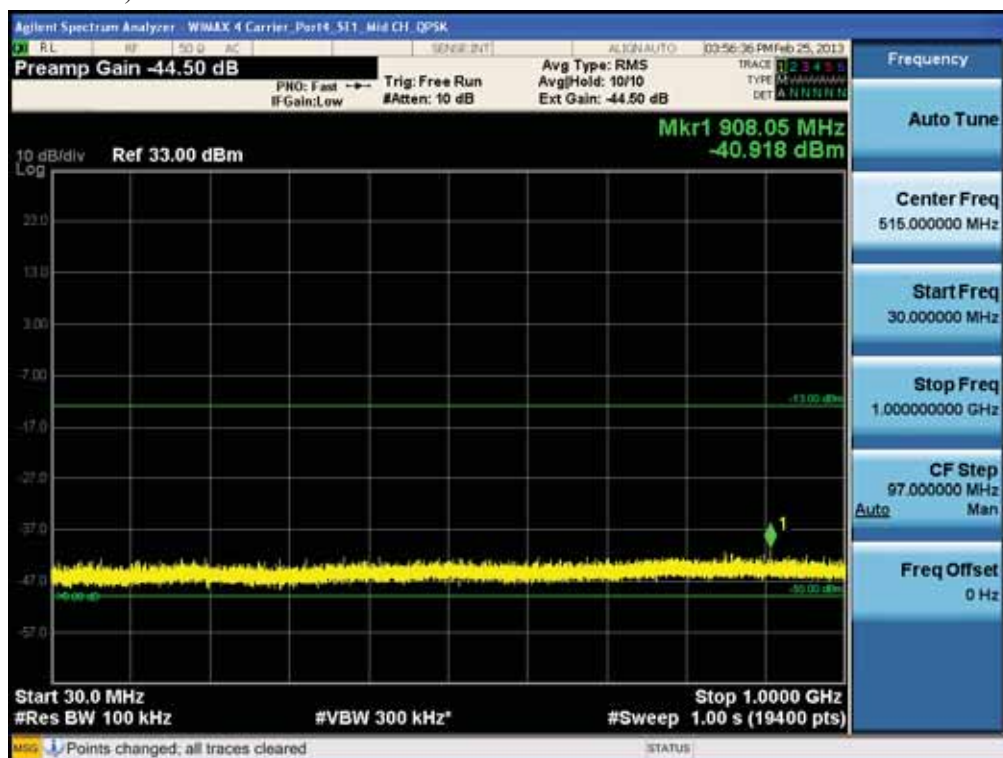
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 236 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

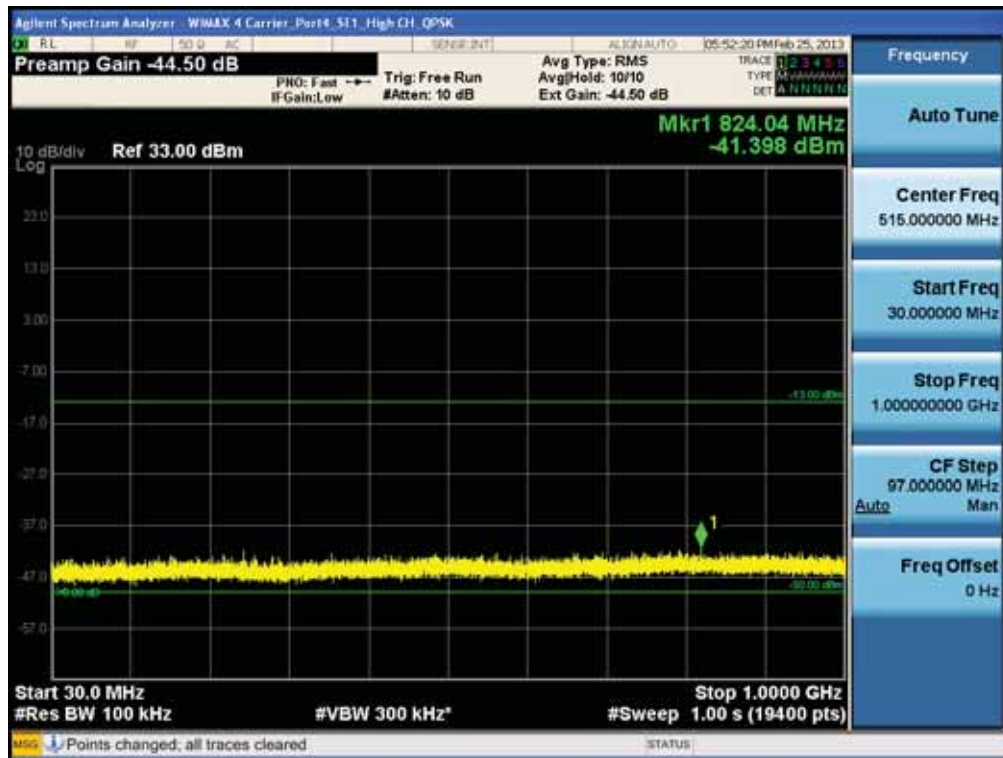
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 237 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

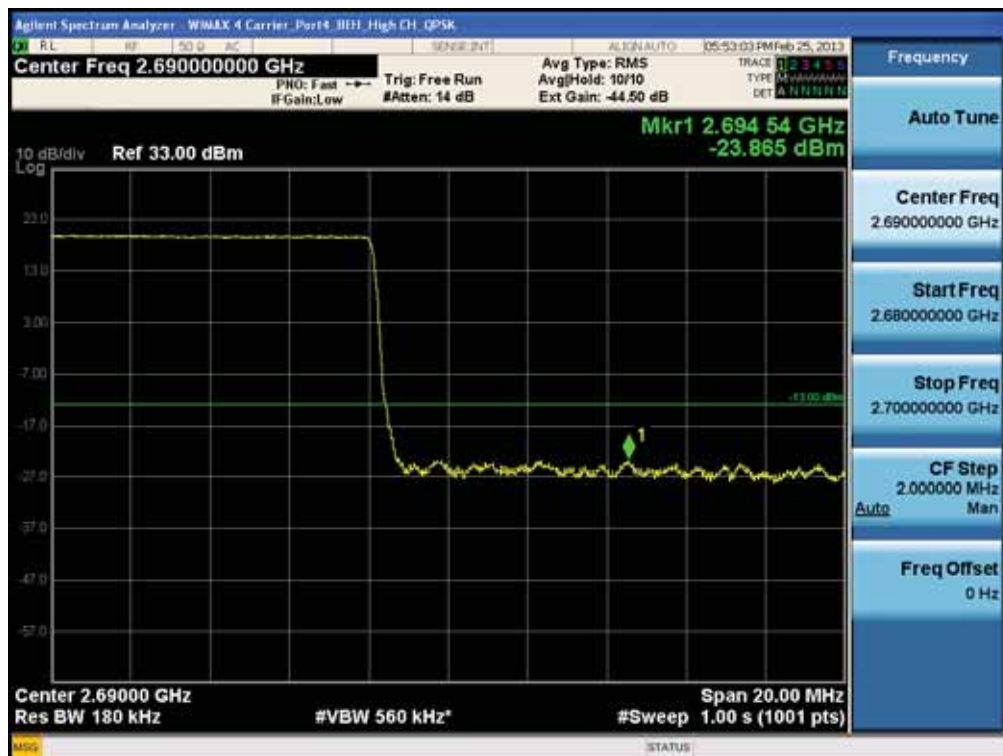
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 238 of 303

(QPSK High Channel)



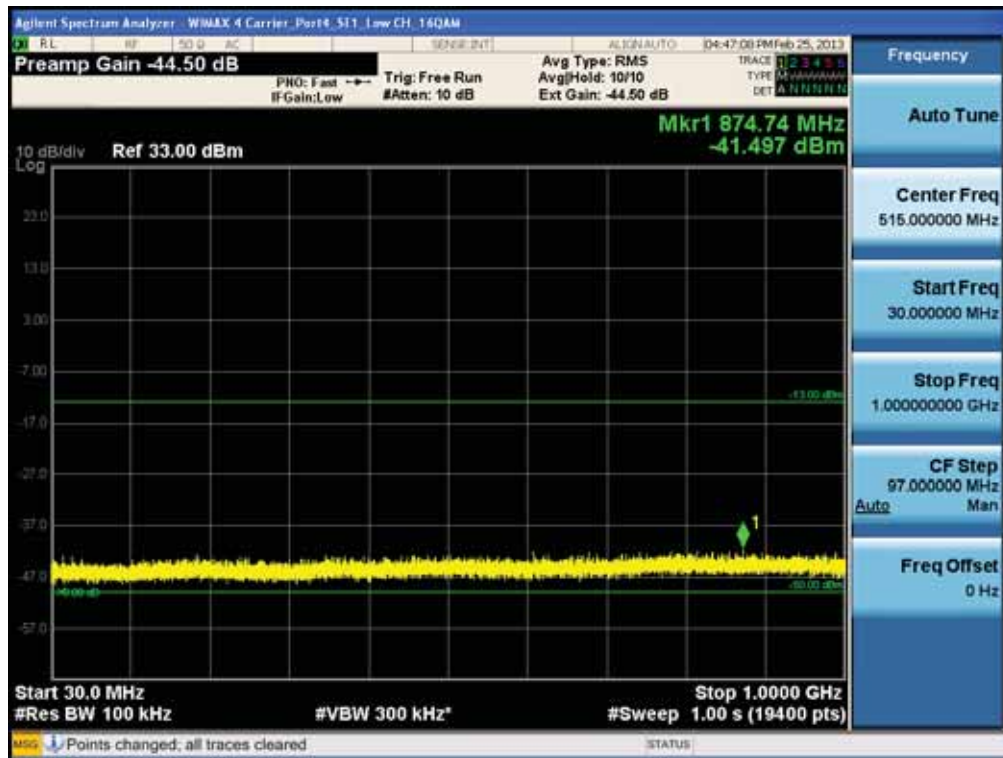
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 239 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

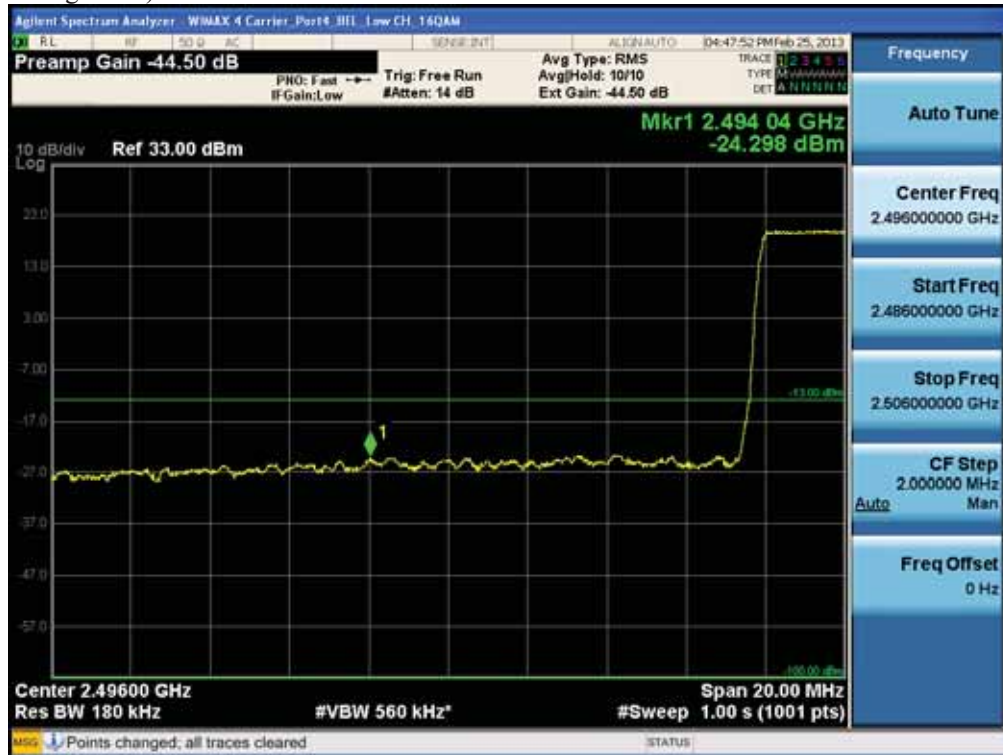
(16QAM Low Channel)



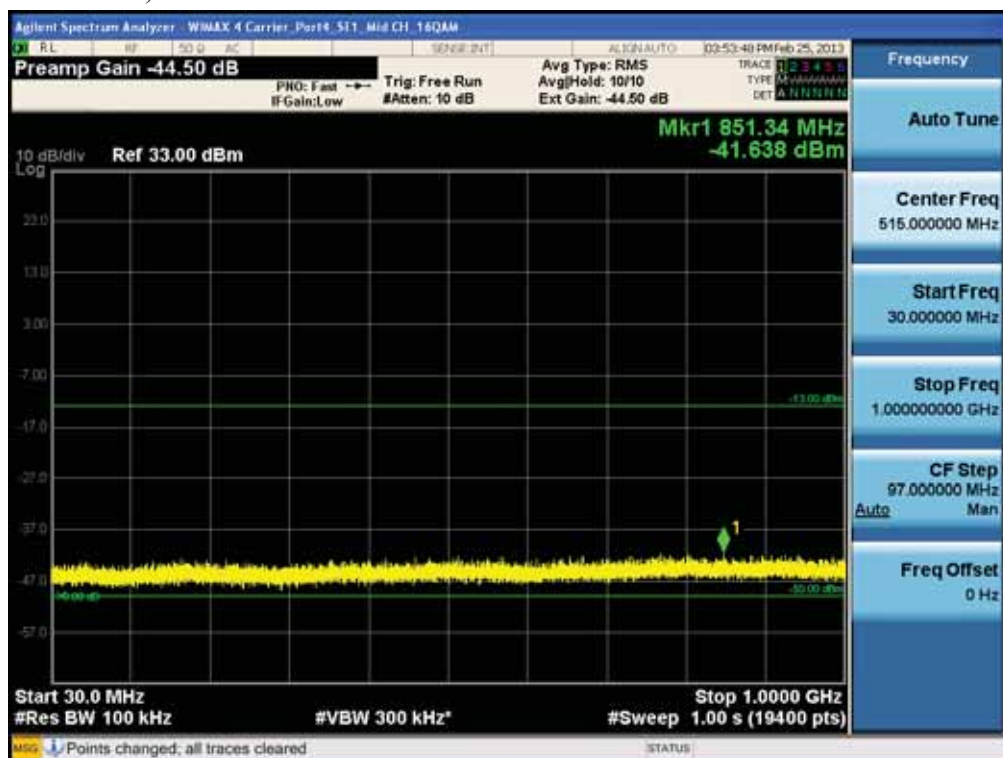
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 240 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz ~ 1 GHz)

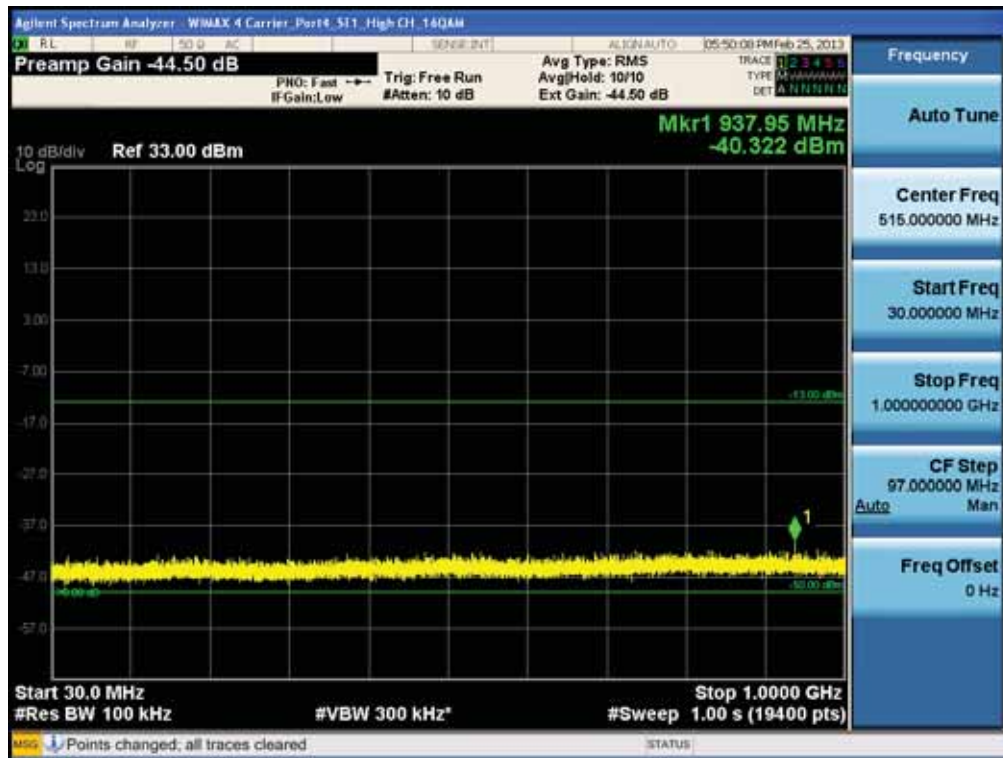
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 241 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 242 of 303

(16QAM High Channel)



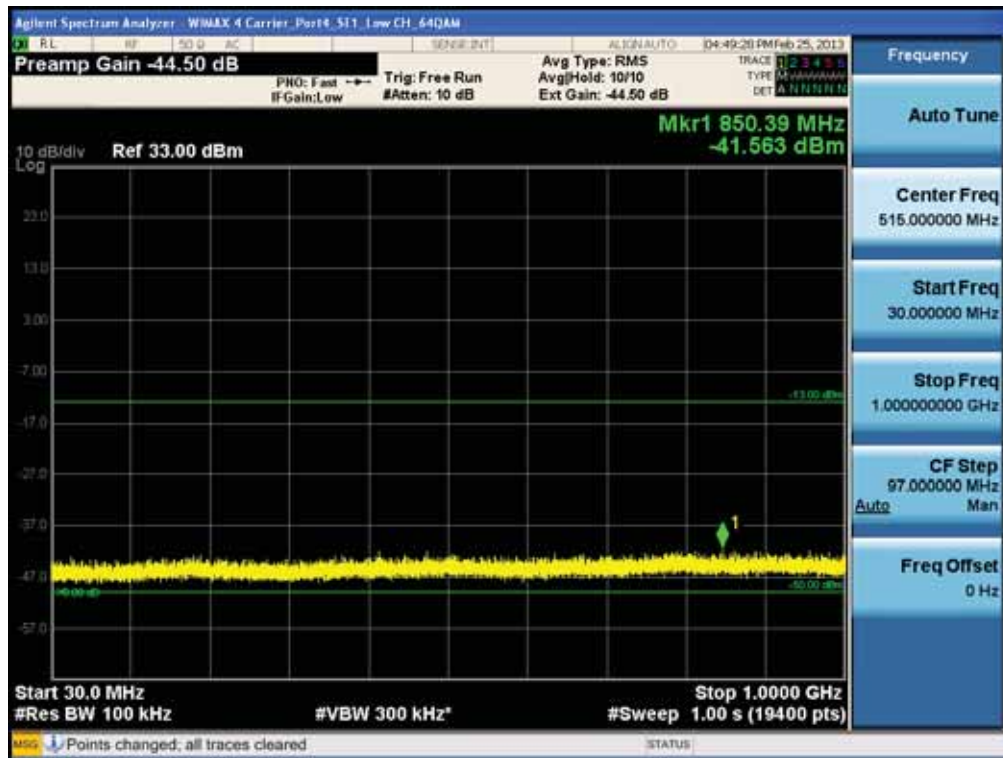
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 243 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

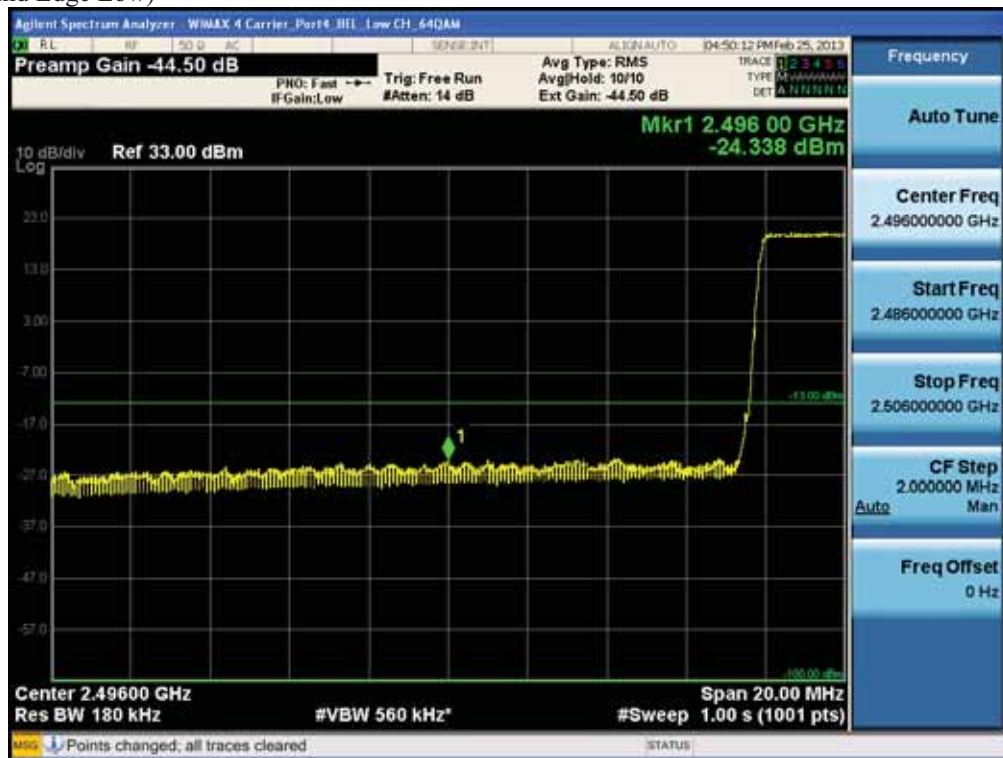
(64QAM Low Channel)



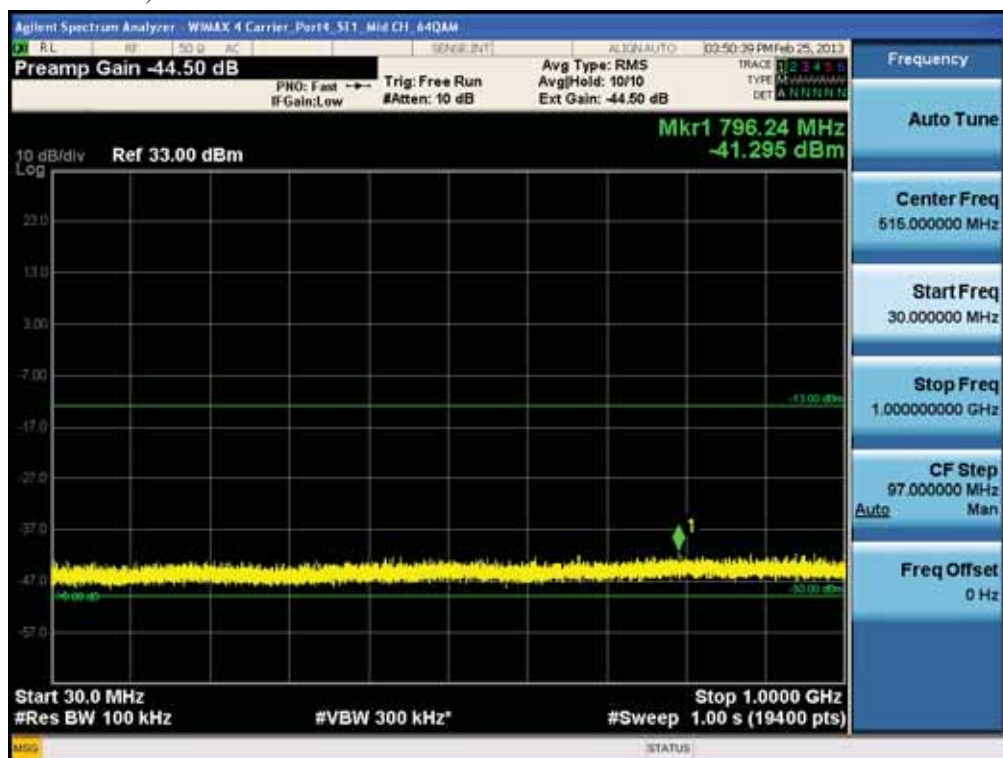
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 244 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

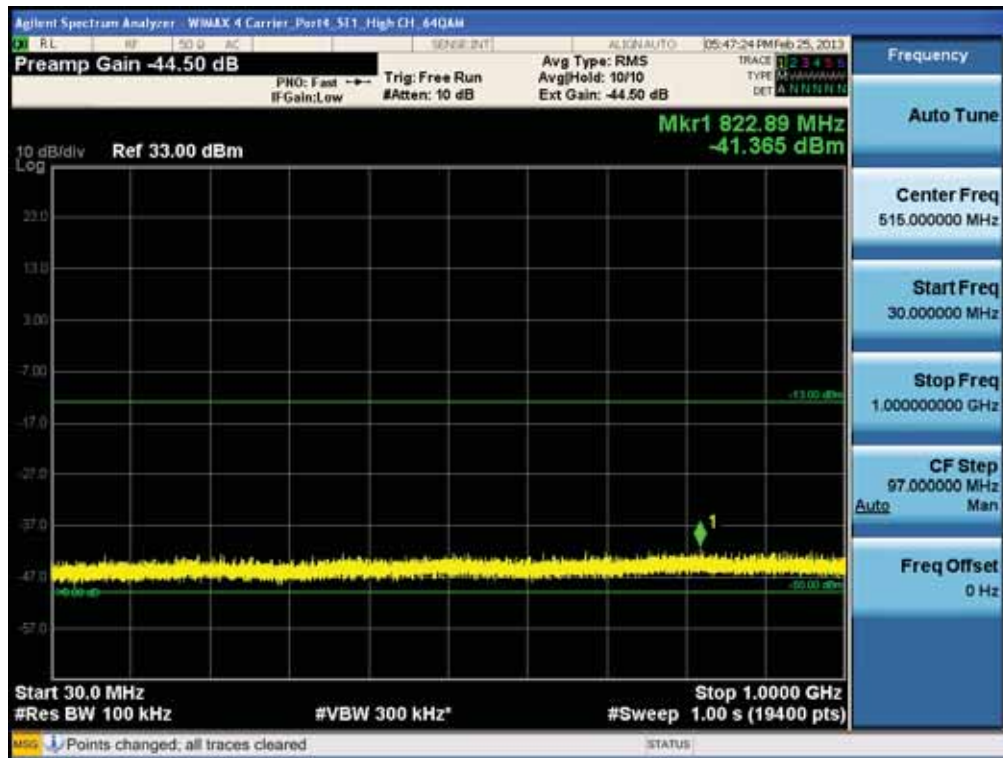
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 245 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 246 of 303

(64QAM High Channel)



(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)

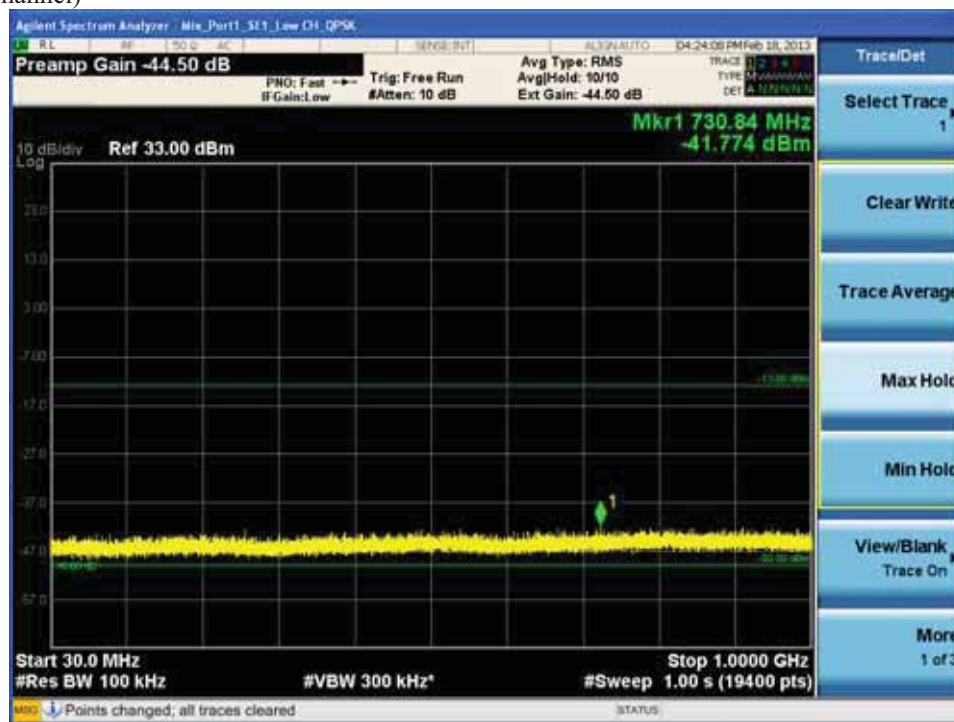


FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 247 of 303

[WiMax_2FA +TD-LTE Power Boosting mode]

7.4.15. Plot Data at Output Port 1

(QPSK Low Channel)



(30 MHz ~ 1 GHz)

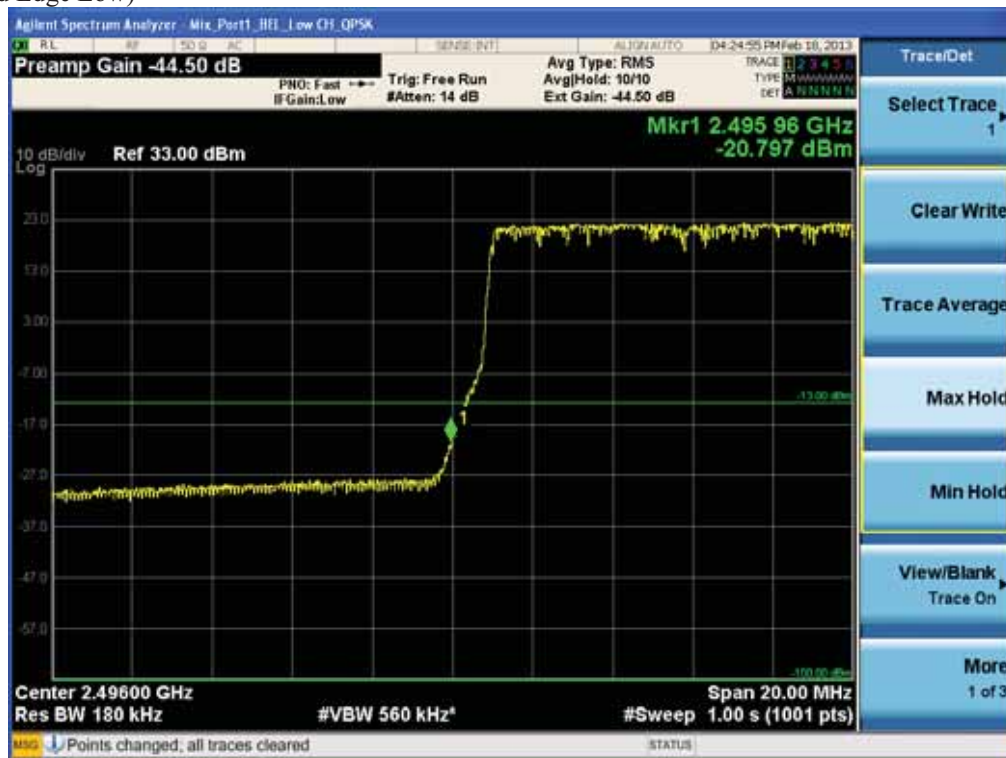
(QPSK Low Channel)



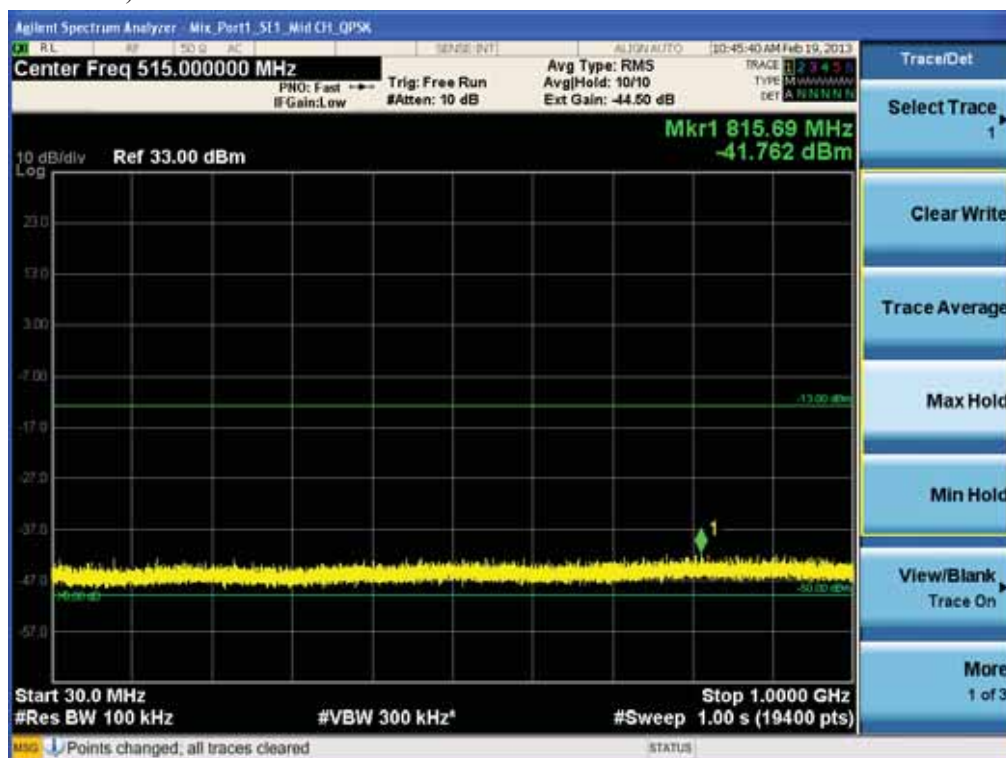
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 248 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 249 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 250 of 303

(QPSK High Channel)



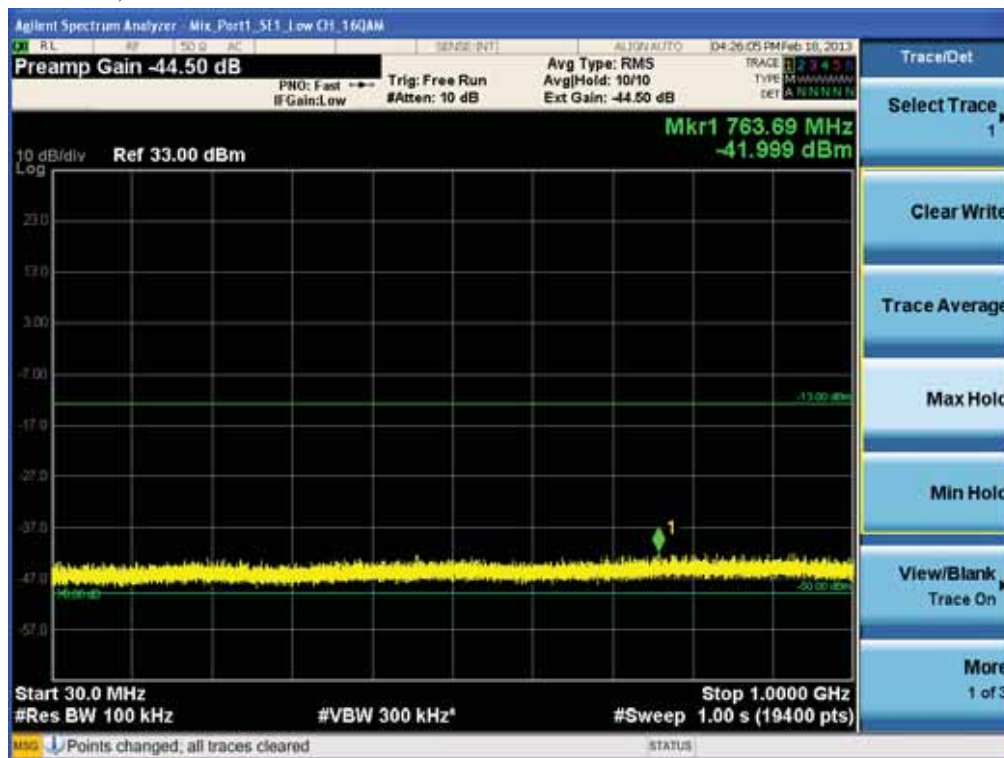
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 251 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

(16QAM Low Channel)



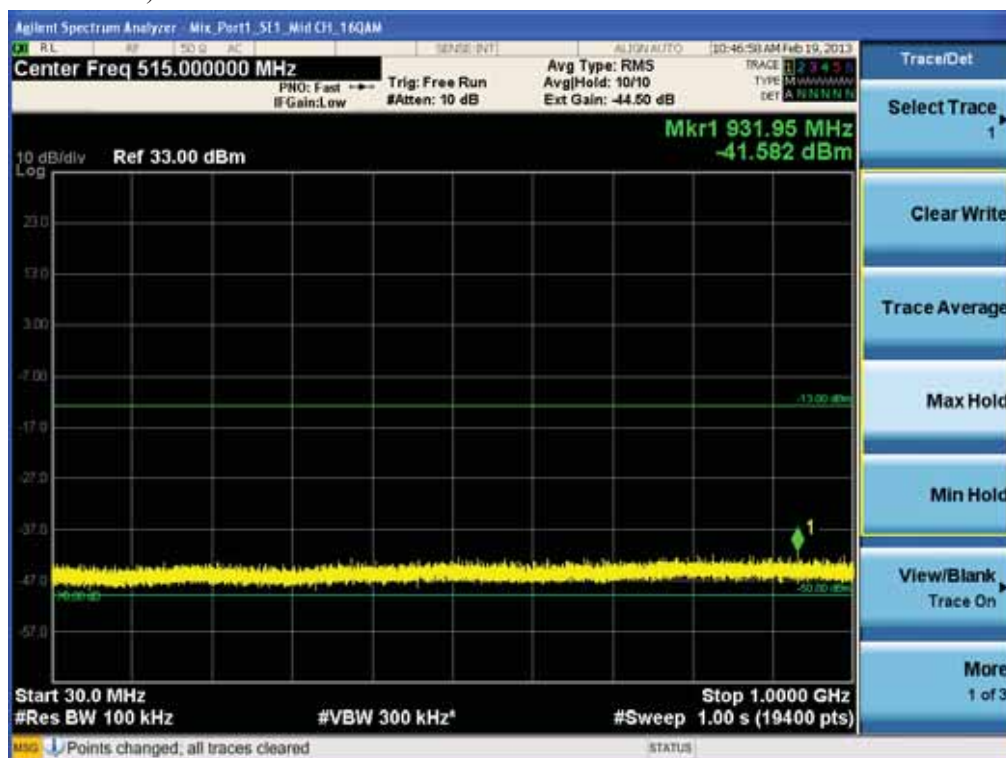
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3I SL S-BD106Q	Page 252 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 253 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 254 of 303

(16QAM High Channel)



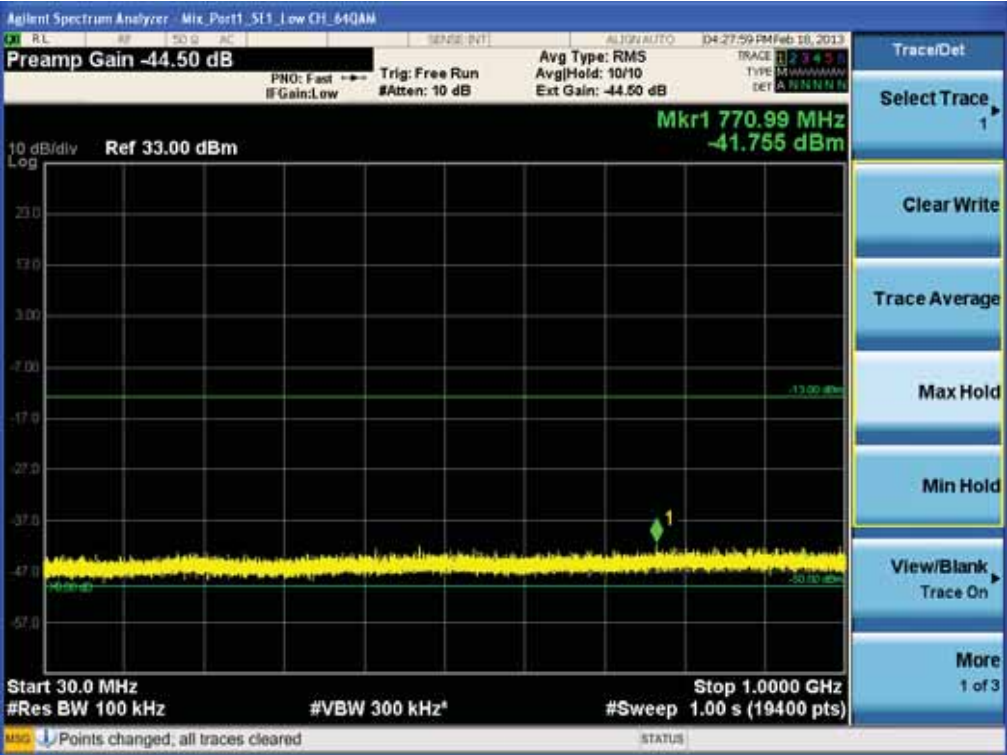
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 255 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

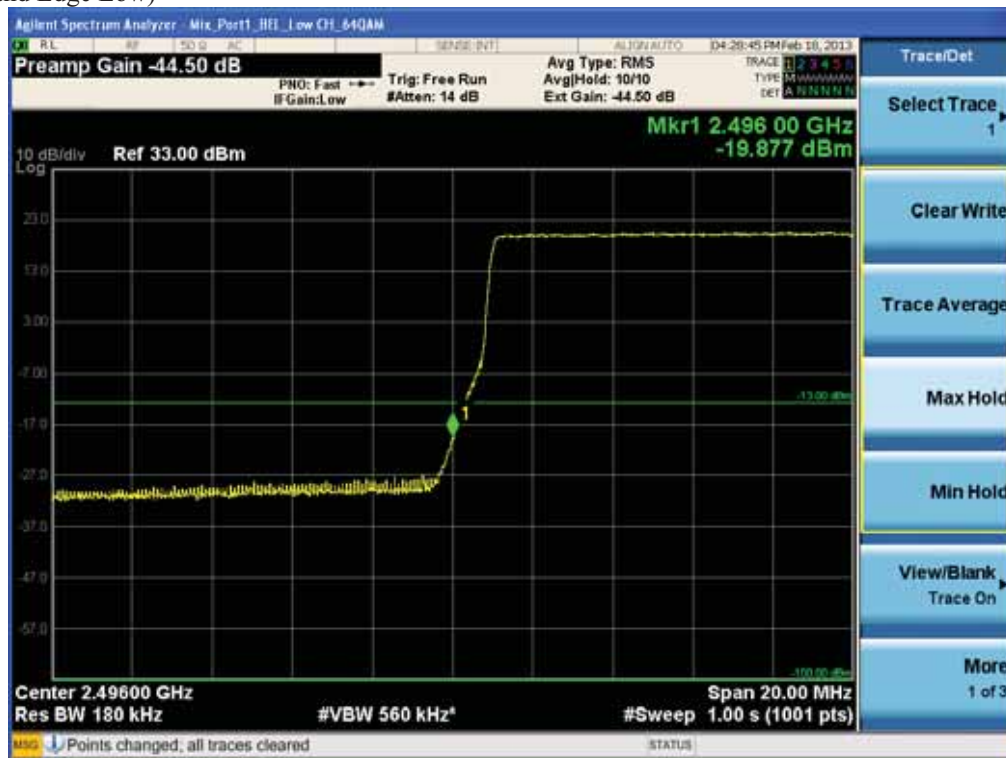
(64QAM Low Channel)



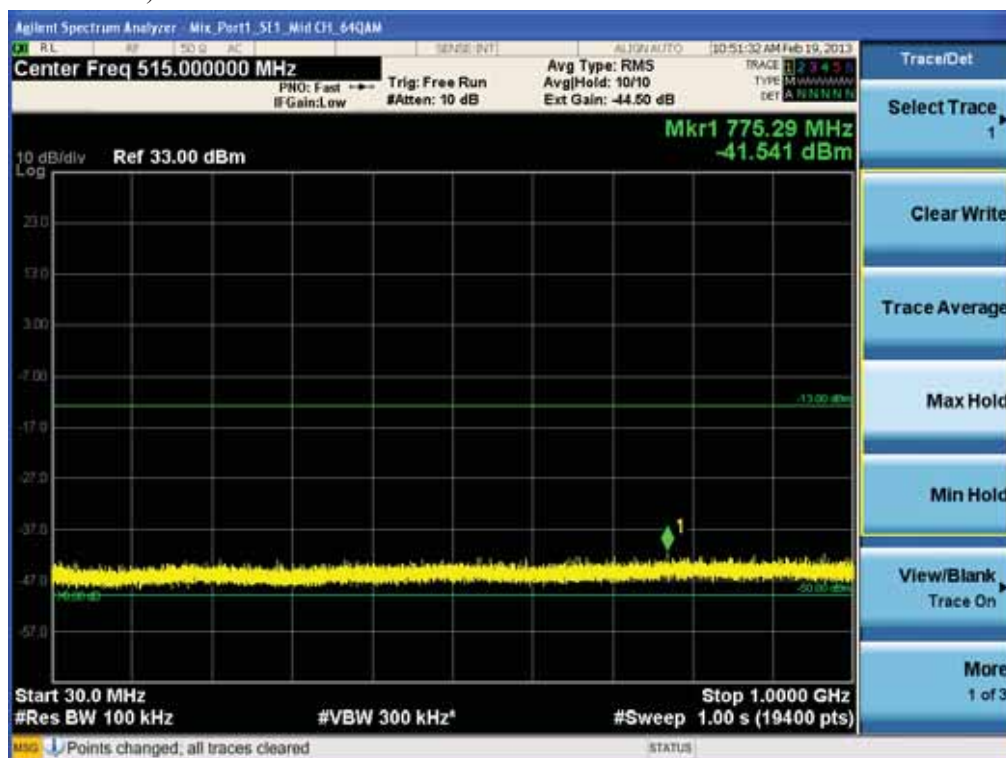
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 256 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

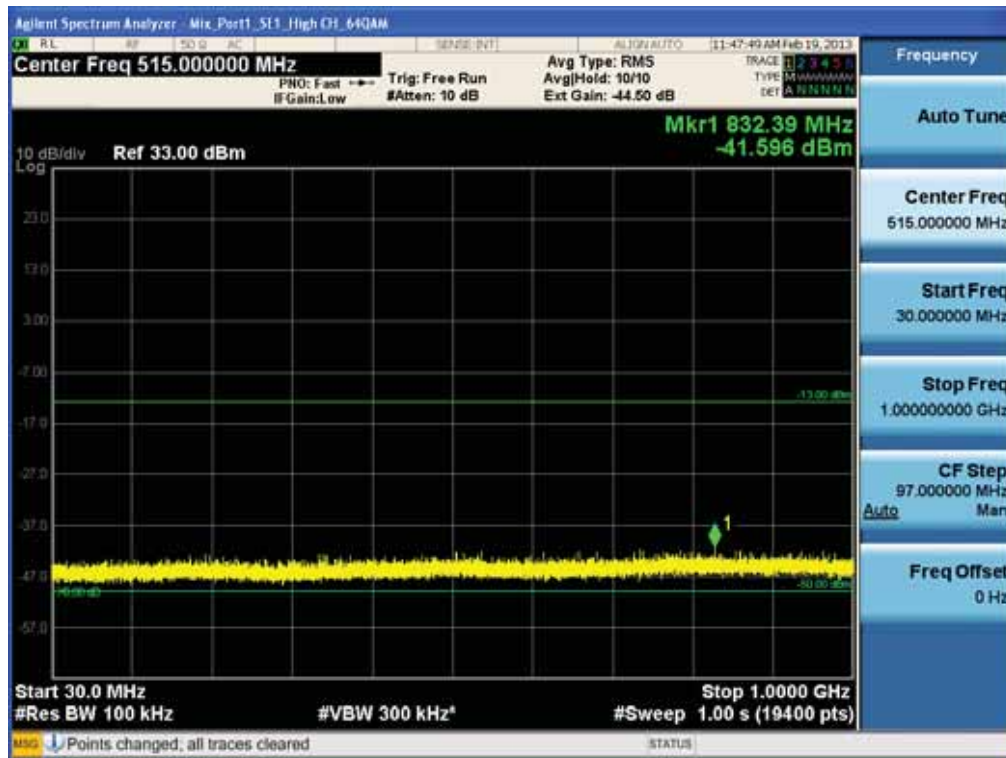
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 257 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 258 of 303

(64QAM High Channel)



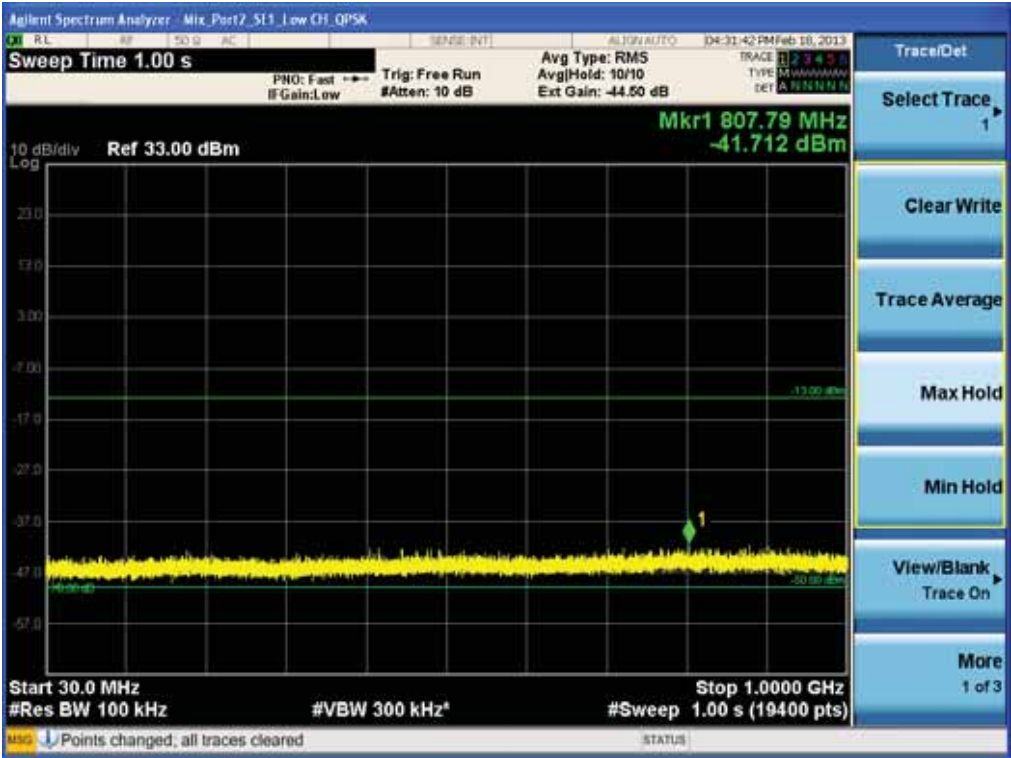
(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 259 of 303

7.4.16. Plot Data at Output Port 2
(QPSK Low Channel)



(30 MHz ~ 1 GHz)

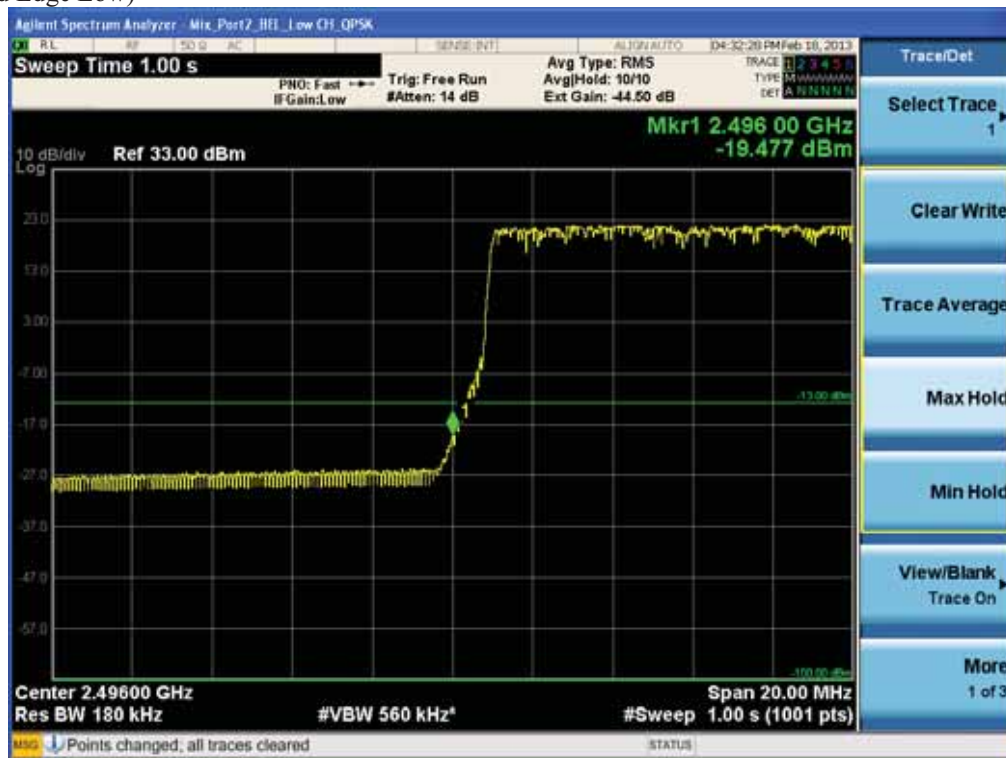
(QPSK Low Channel)



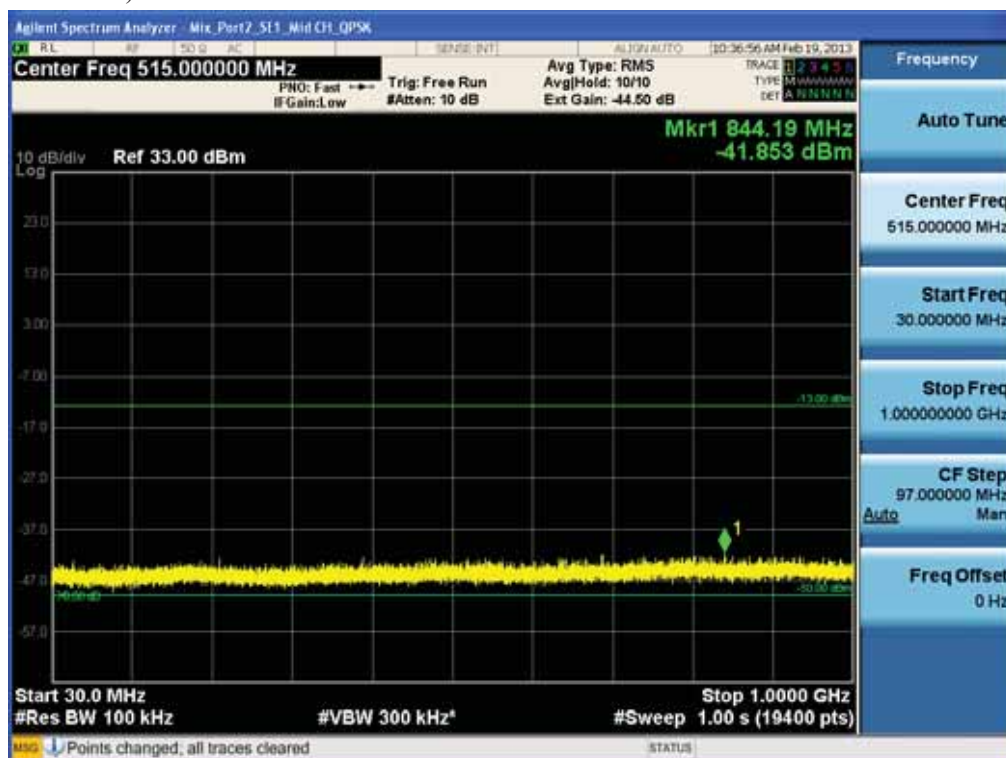
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 260 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

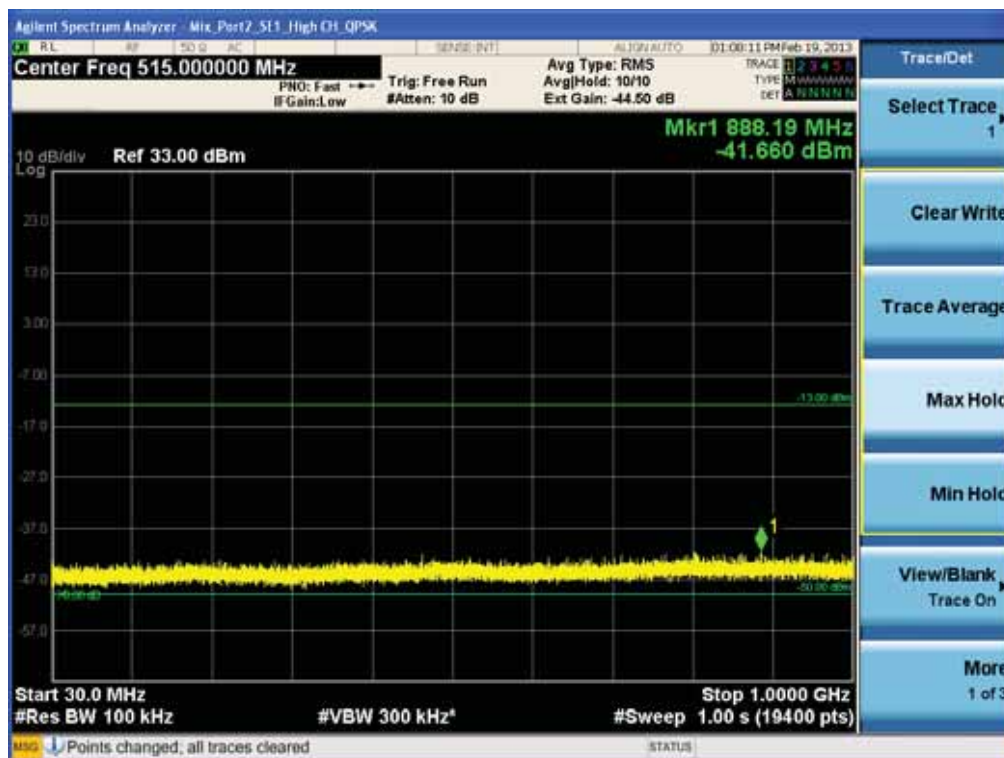
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 261 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 262 of 303

(QPSK High Channel)



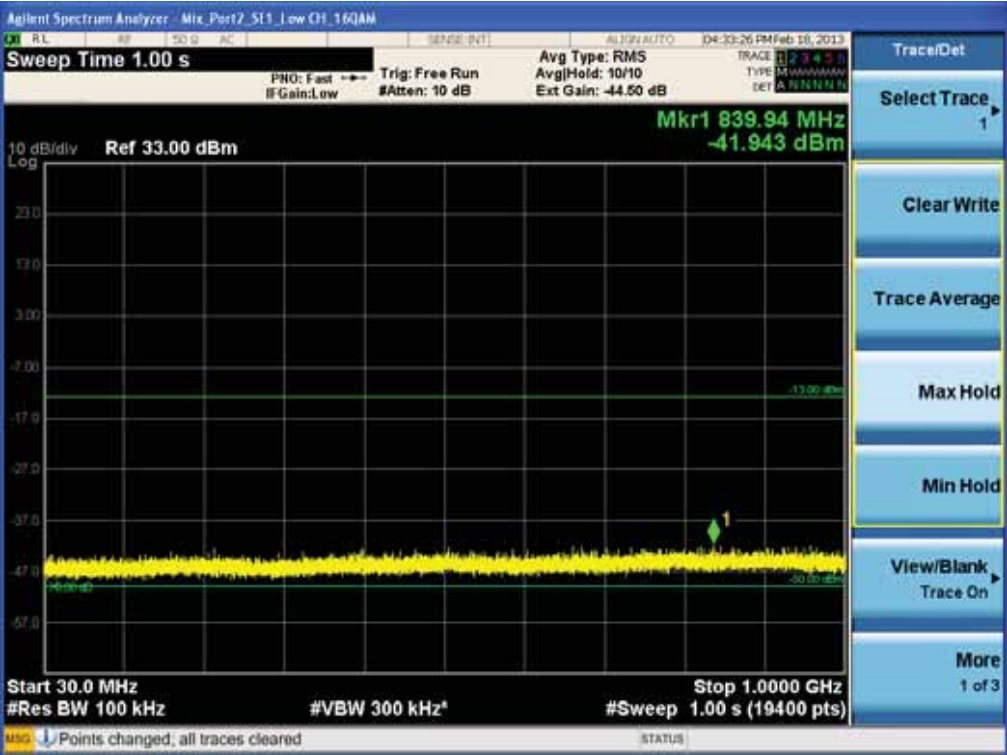
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 263 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

(16QAM Low Channel)



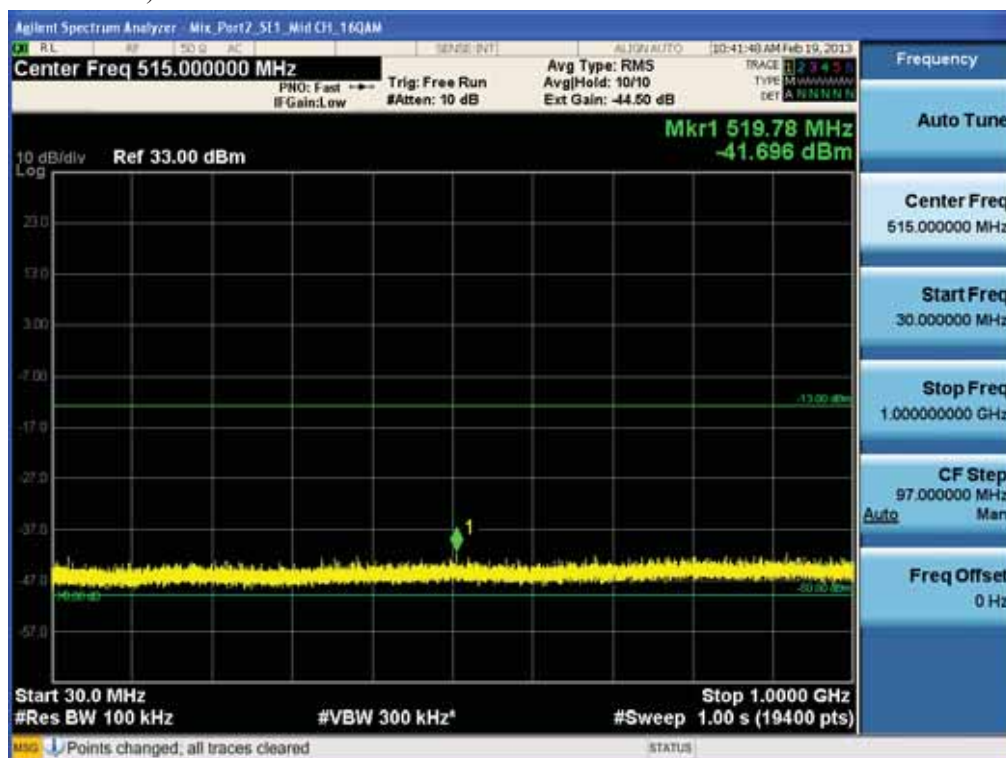
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 264 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz ~ 1 GHz)

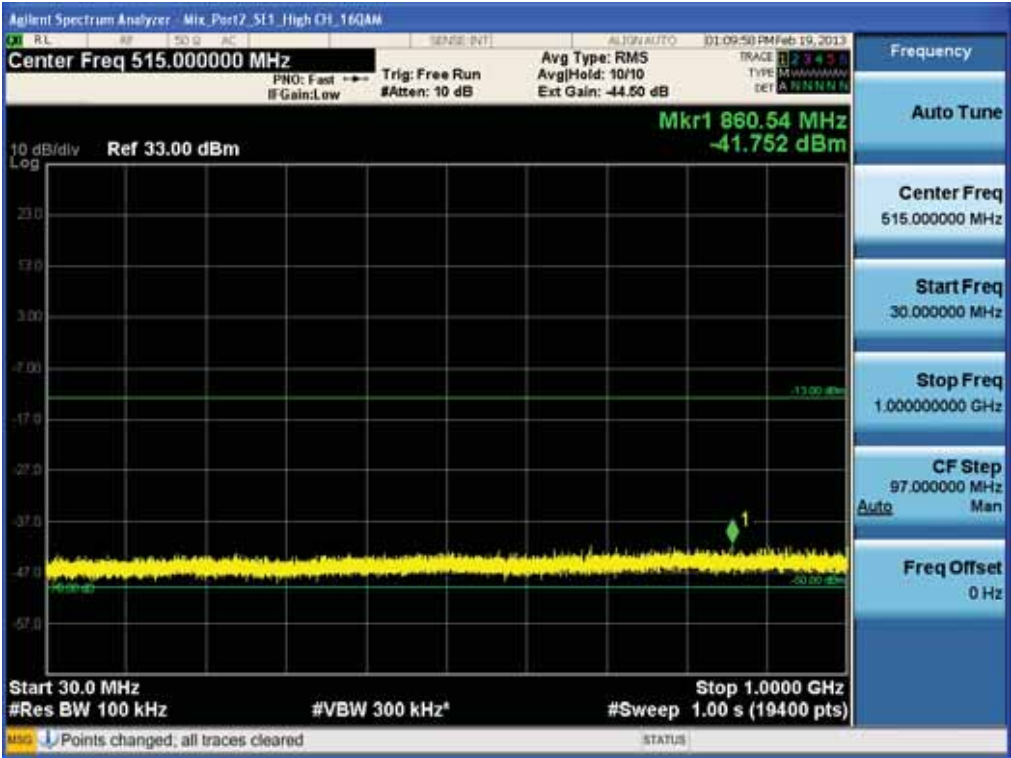
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 265 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 266 of 303

(16QAM High Channel)



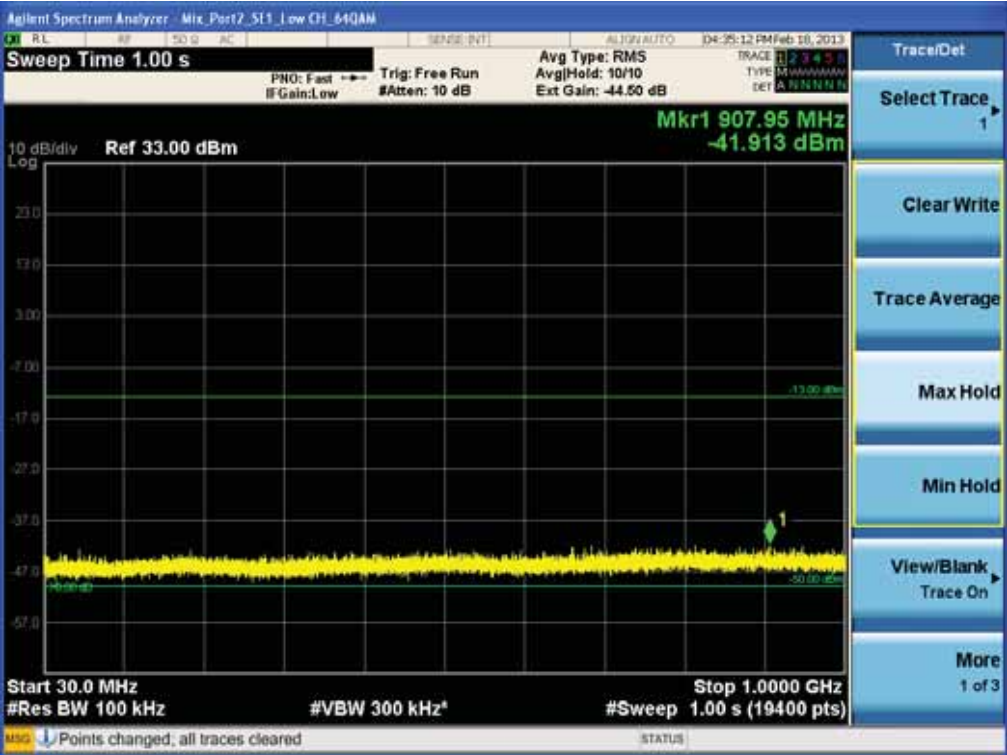
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 267 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

(64QAM Low Channel)



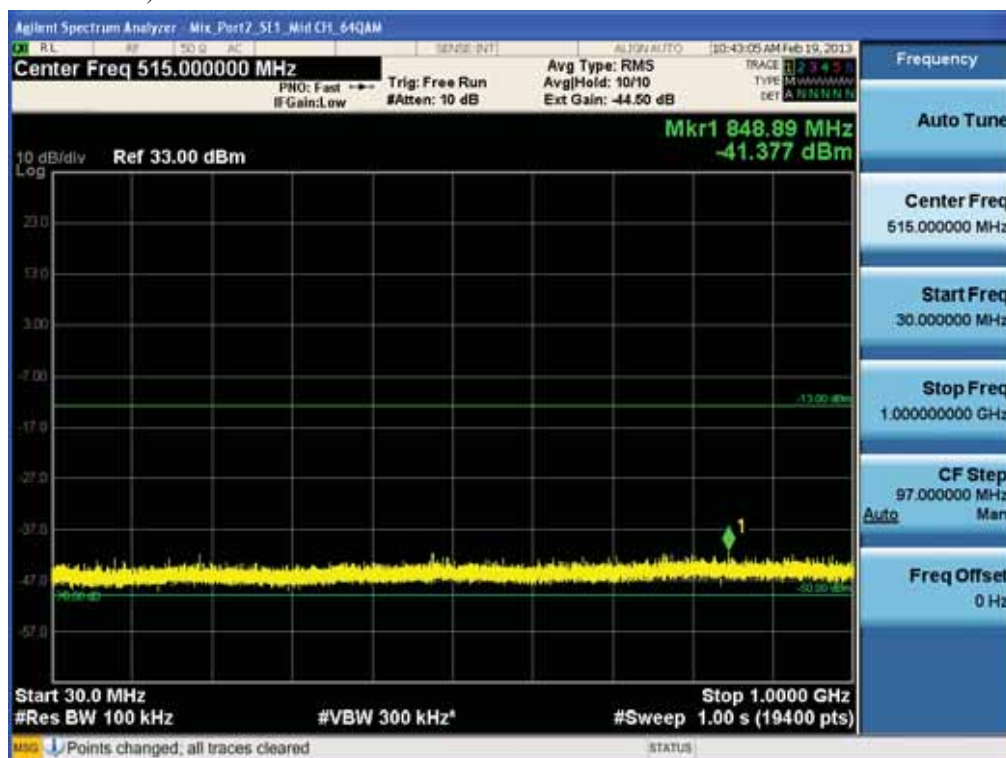
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 268 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

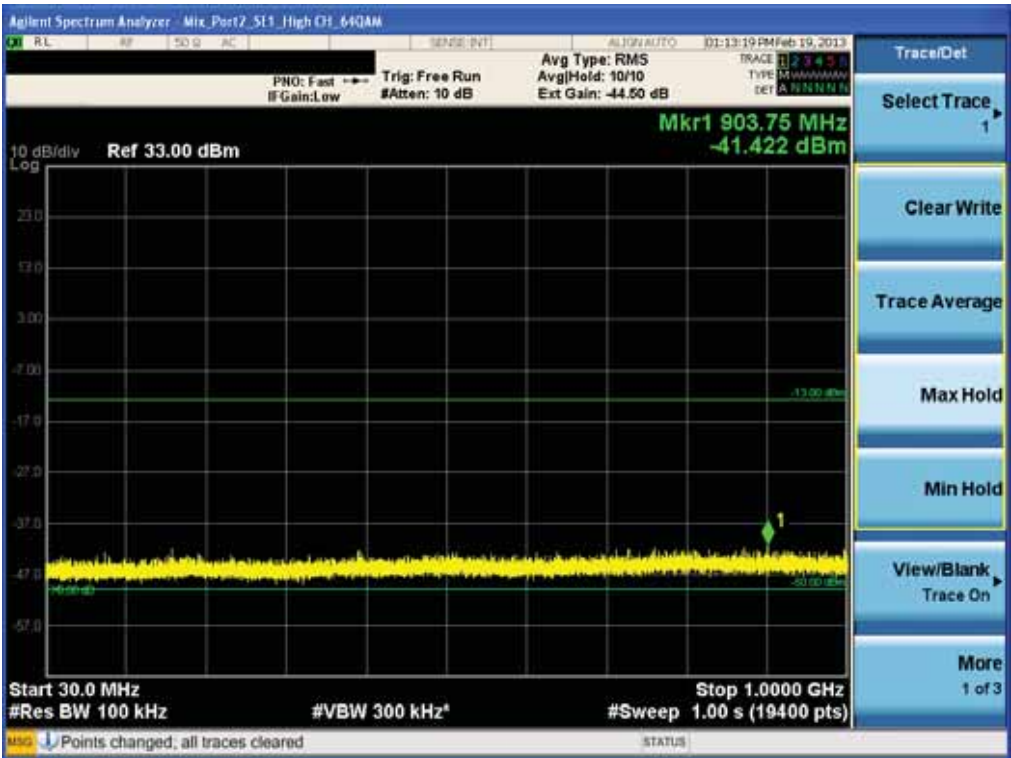
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 269 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 270 of 303

(64QAM High Channel)



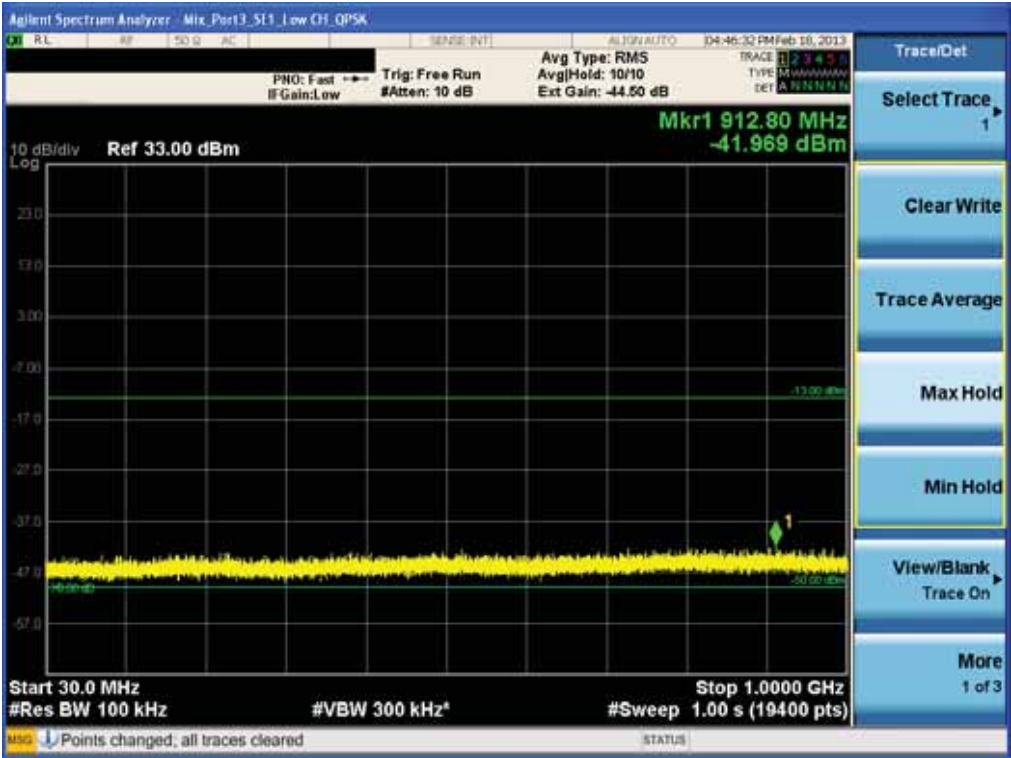
(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 271 of 303

7.4.17. Plot Data at Output Port 3
(QPSK Low Channel)



(30 MHz ~ 1 GHz)

(QPSK Low Channel)



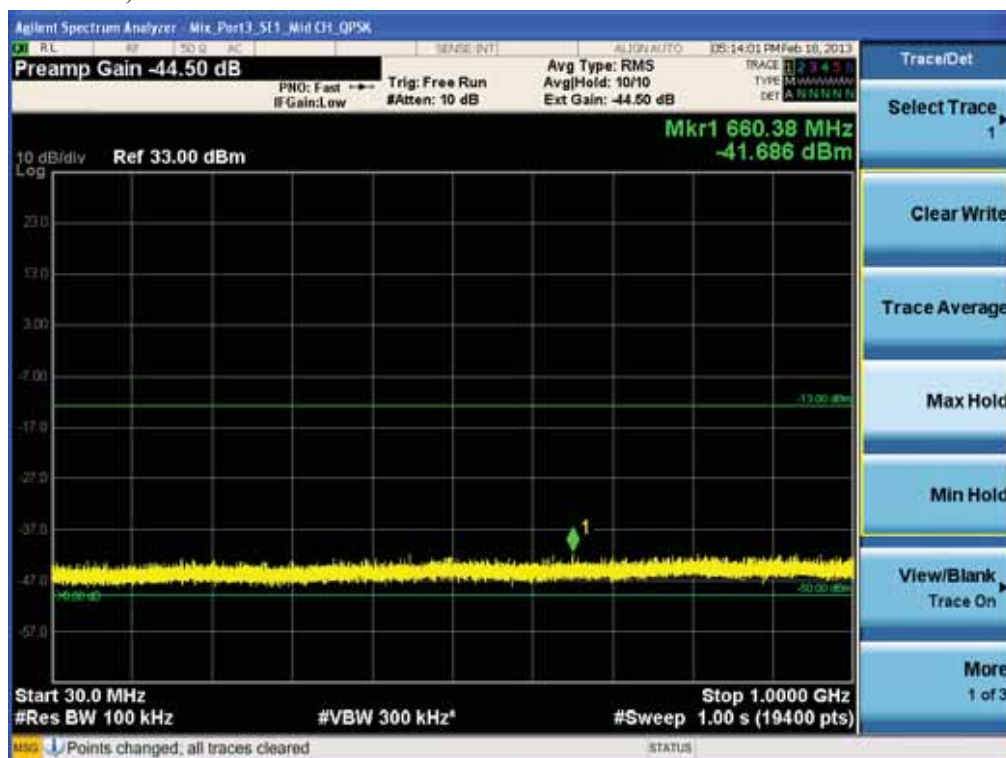
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 272 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

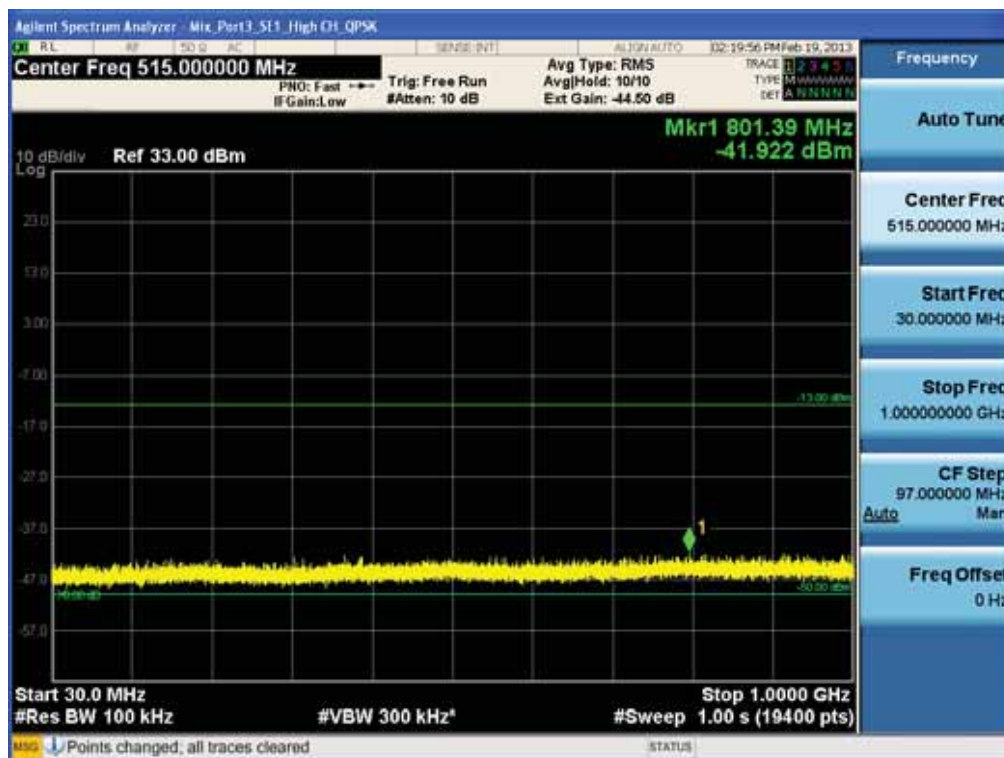
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 273 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH/Remote Radio Head	FCC ID: A3I SL S-BD106Q	Page 274 of 303

(QPSK High Channel)



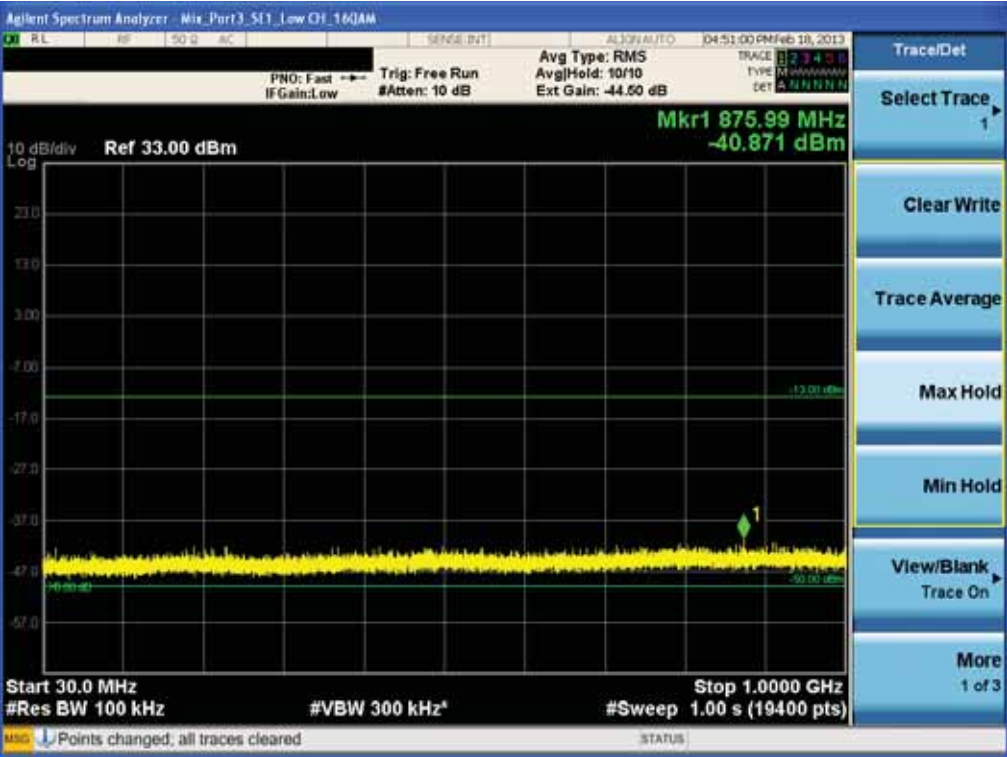
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 275 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

(16QAM Low Channel)



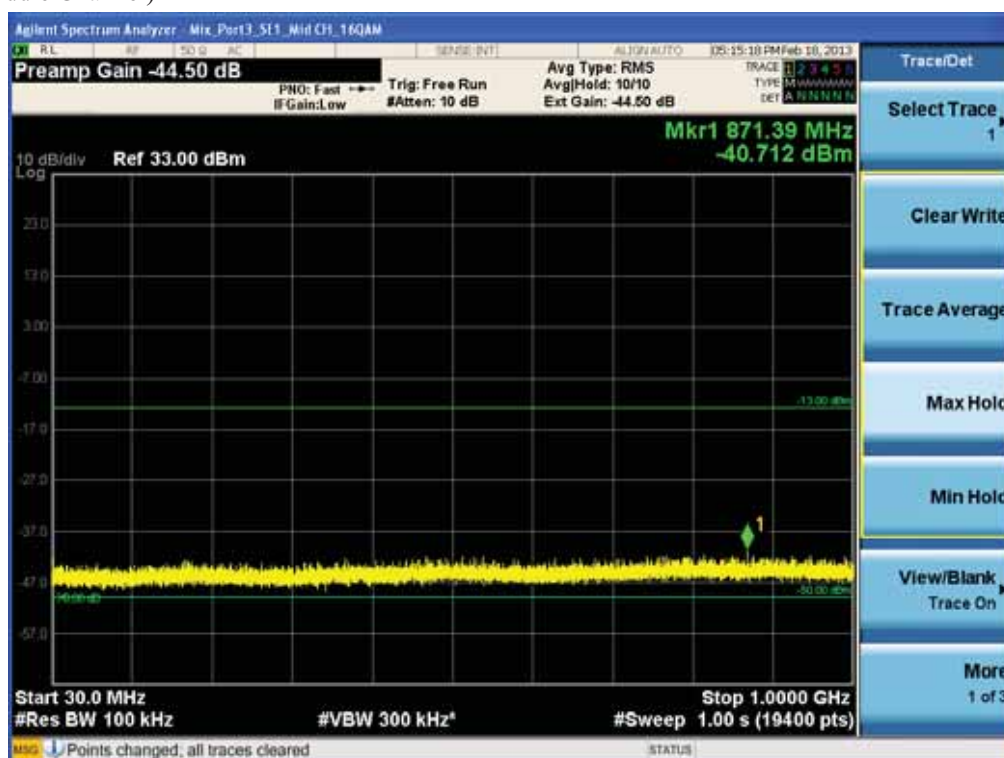
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 276 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz $\sim$ 1 GHz)

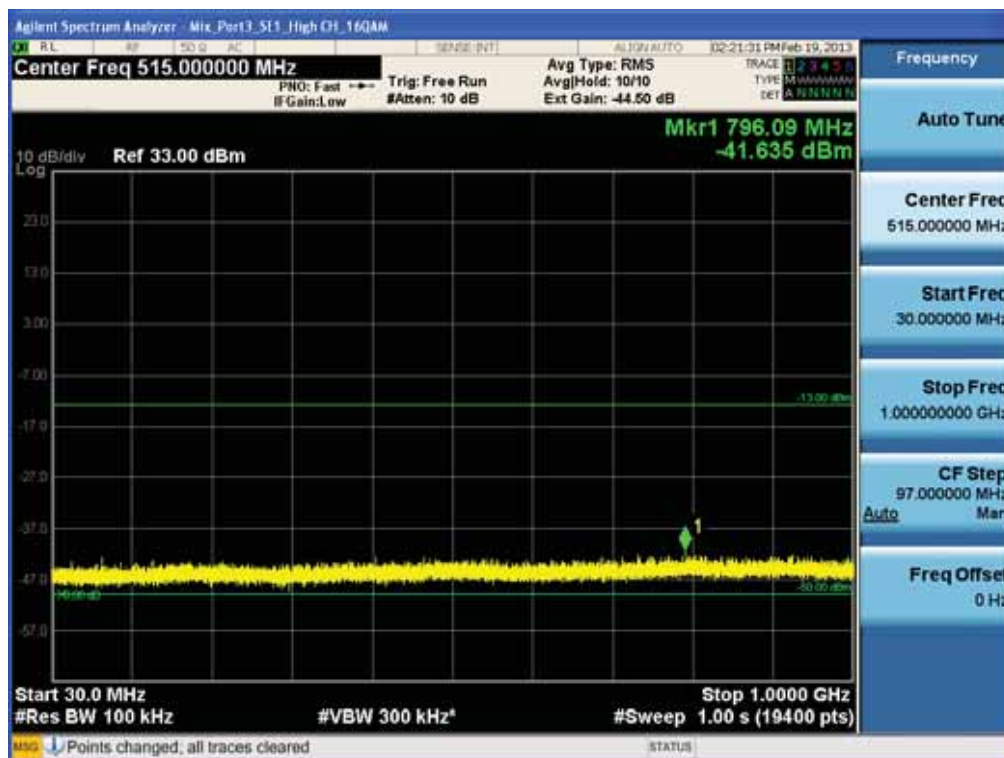
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302ER26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3I SI S-BD106Q	Page 277 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH/Remote Radio Head	FCC ID: A3I SI S-RD106Q	Page 278 of 303

(16QAM High Channel)



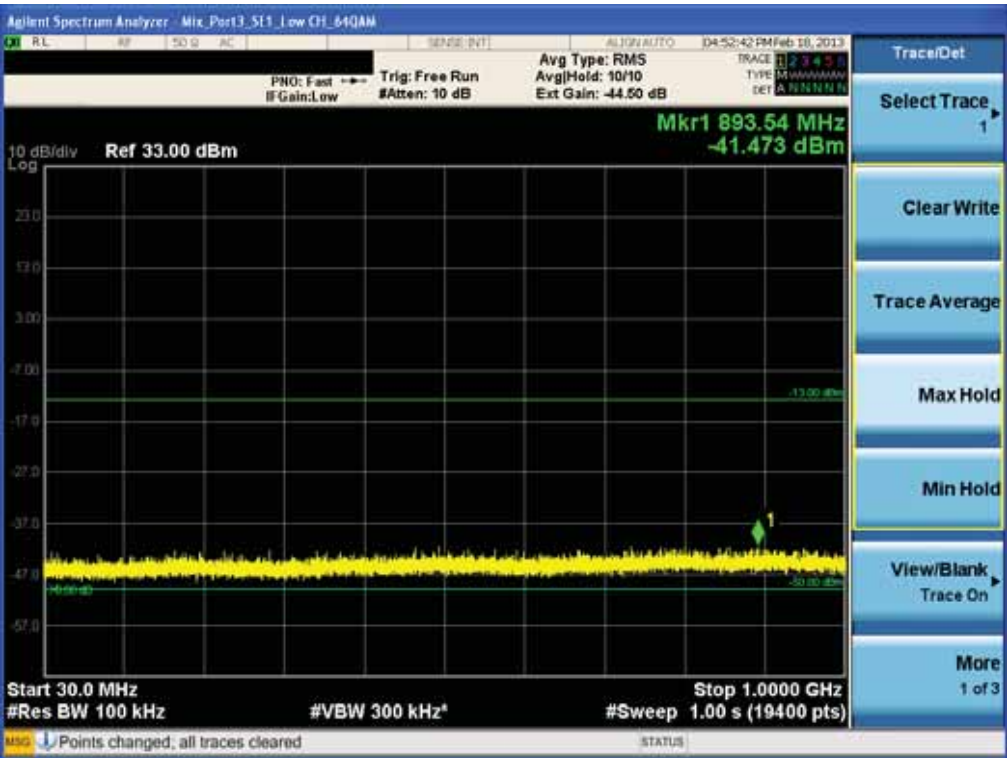
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 279 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

(64QAM Low Channel)



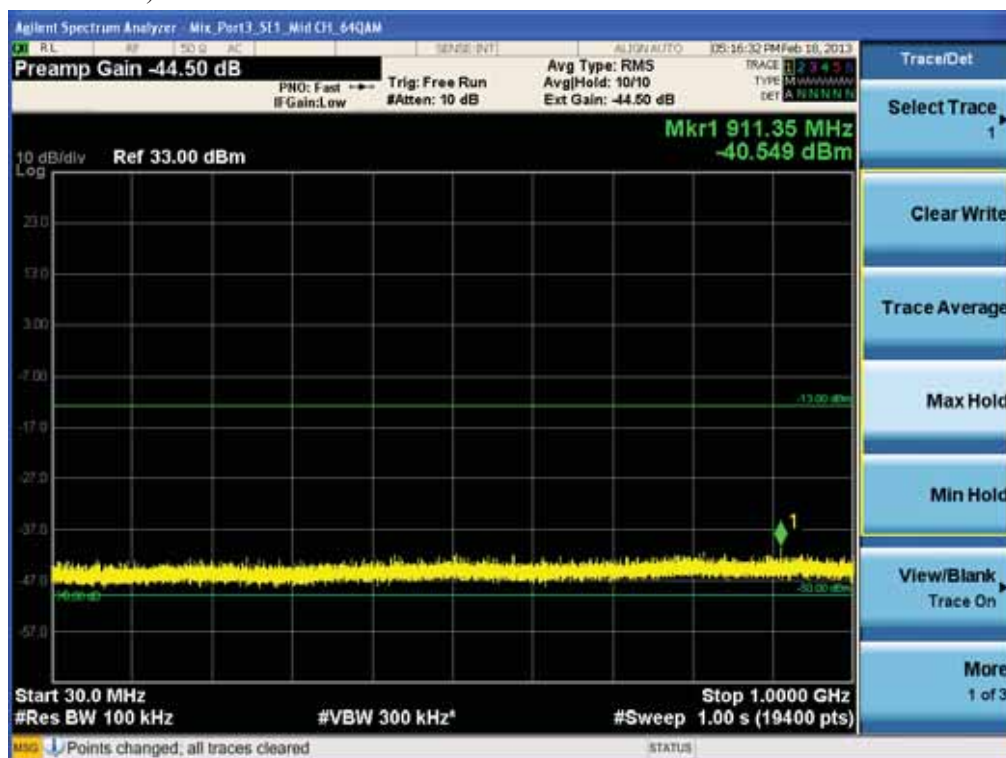
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 280 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

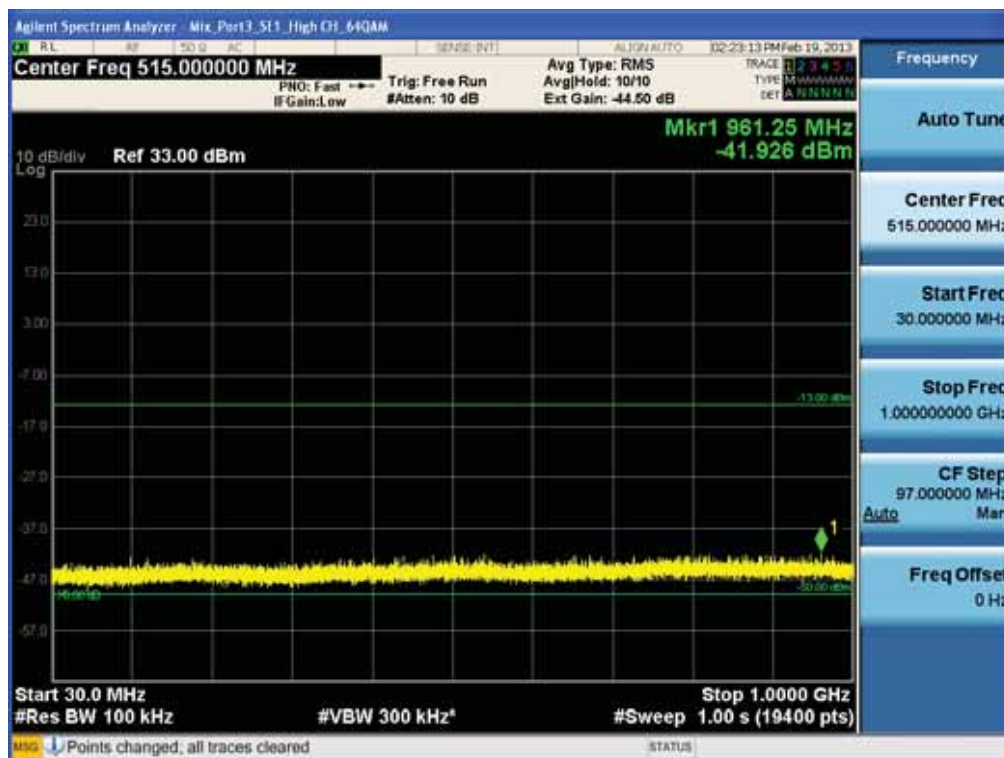
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 281 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz $\sim$ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3I SL S-BD106Q	Page 282 of 303

(64QAM High Channel)



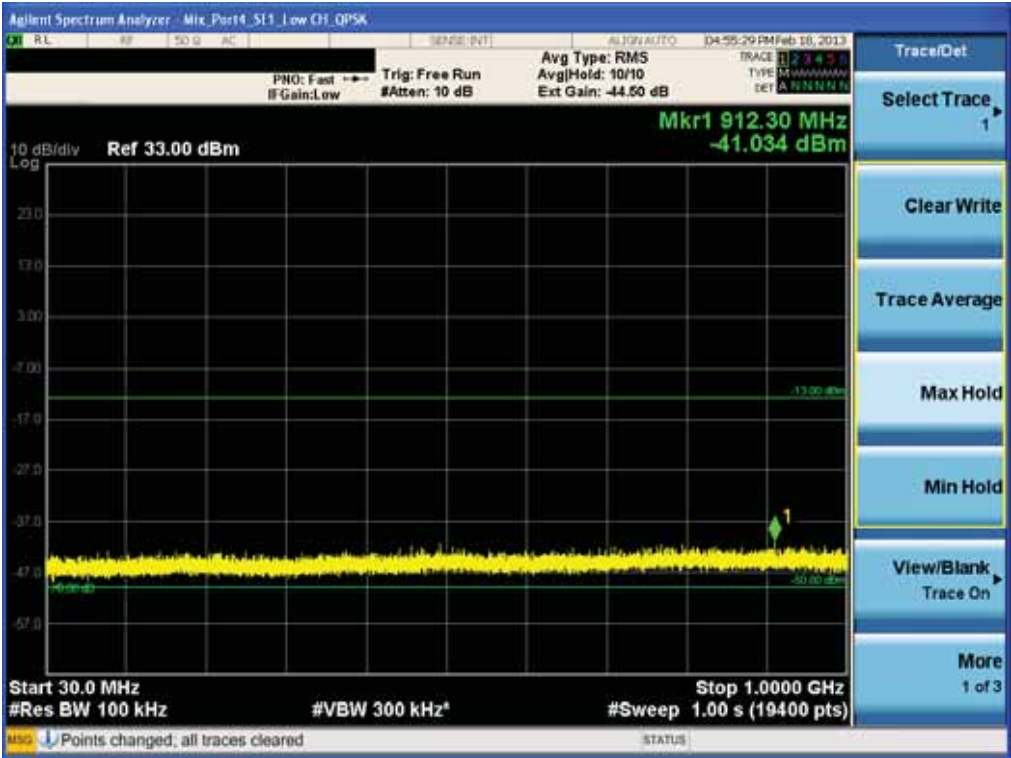
(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 283 of 303

7.4.18. Plot Data at Output Port 4
(QPSK Low Channel)



(30 MHz ~ 1 GHz)

(QPSK Low Channel)



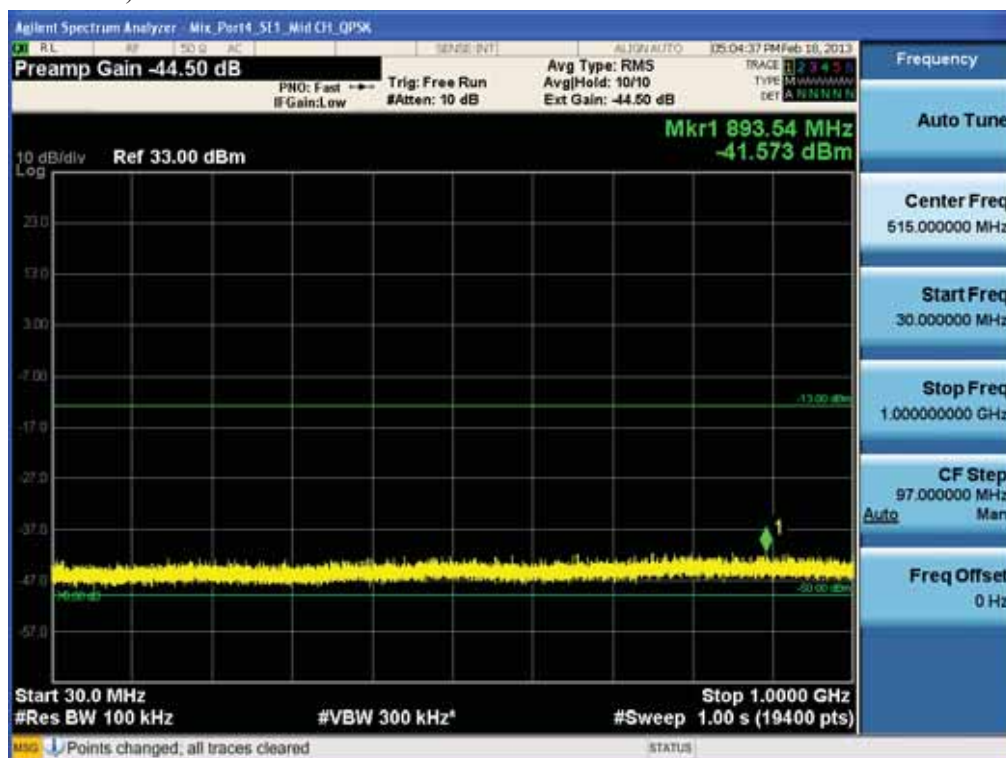
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 284 of 303

(QPSK Band Edge Low)



(QPSK Middle Channel)



(30 MHz ~ 1 GHz)

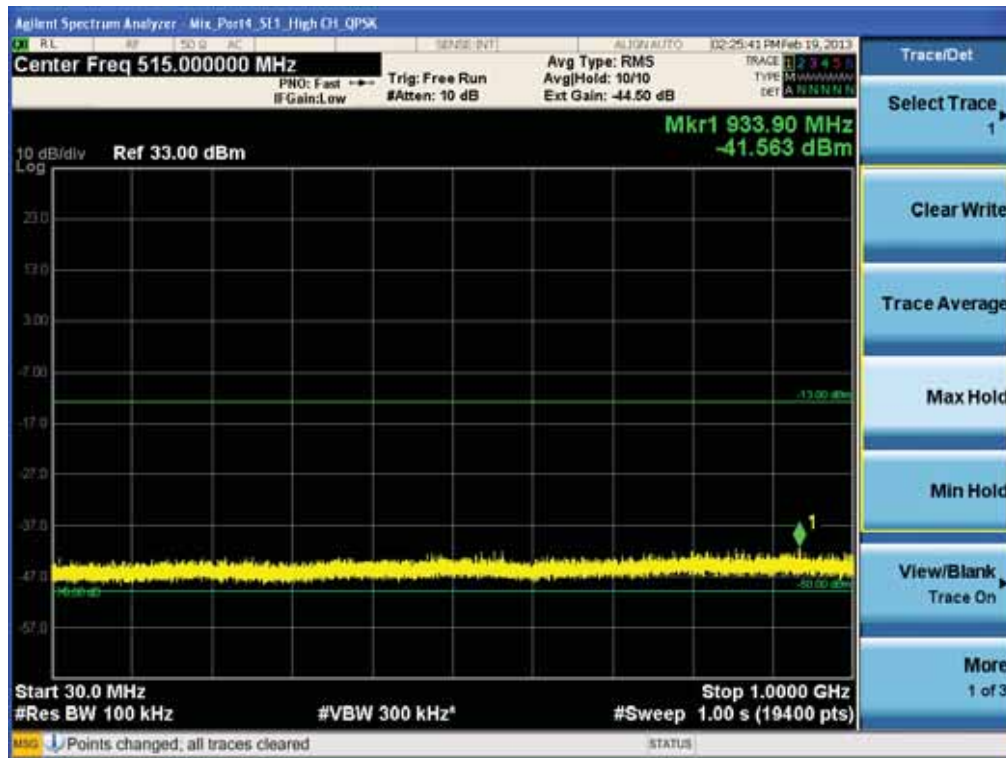
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 285 of 303

(QPSK Middle Channel)



(1 GHz ~ 26.5 GHz)

(QPSK High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 286 of 303

(QPSK High Channel)



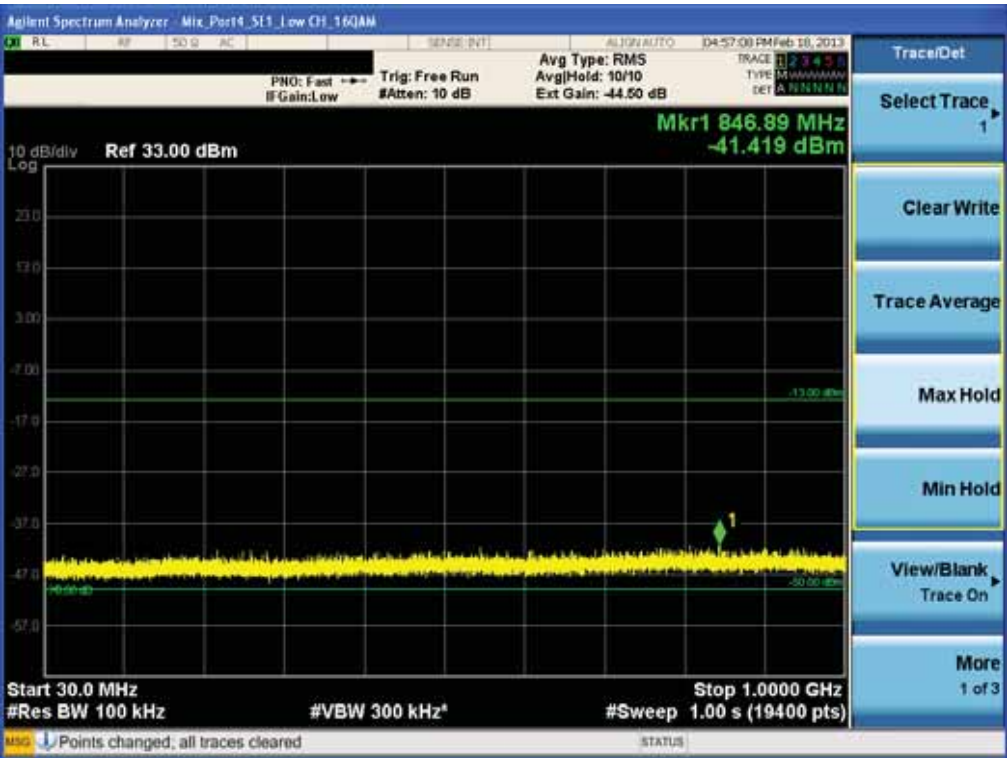
(1 GHz ~ 26.5 GHz)

(QPSK Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 287 of 303

(16QAM Low Channel)



(30 MHz ~ 1 GHz)

(16QAM Low Channel)



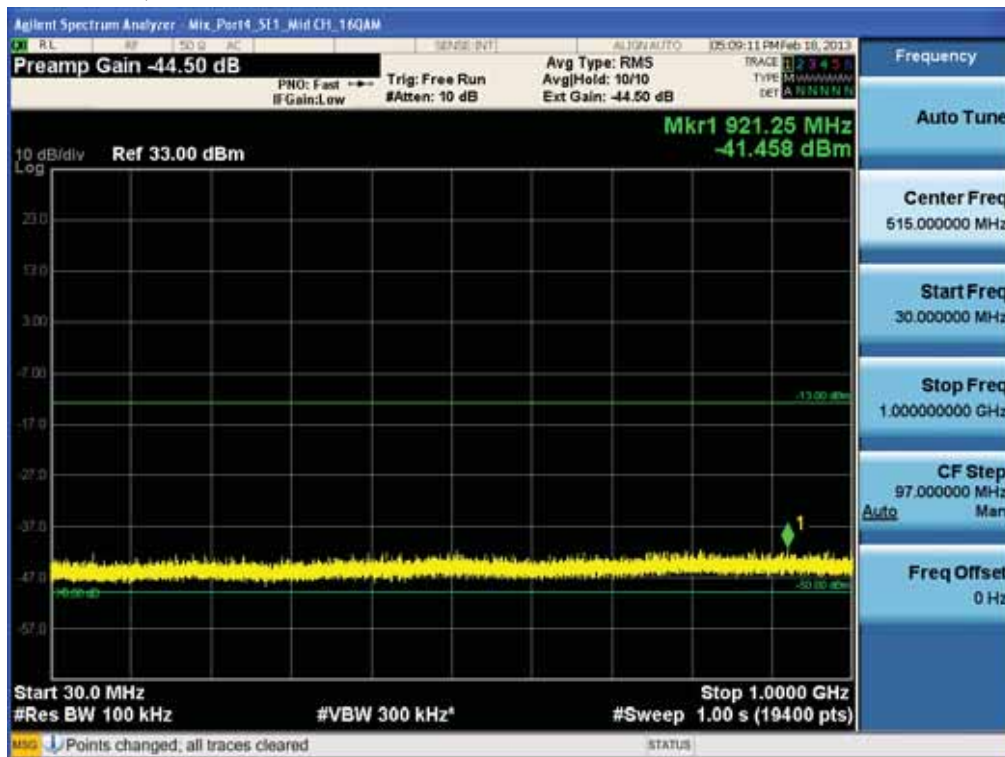
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 288 of 303

(16QAM Band Edge Low)



(16QAM Middle Channel)



(30 MHz $\sim$ 1 GHz)

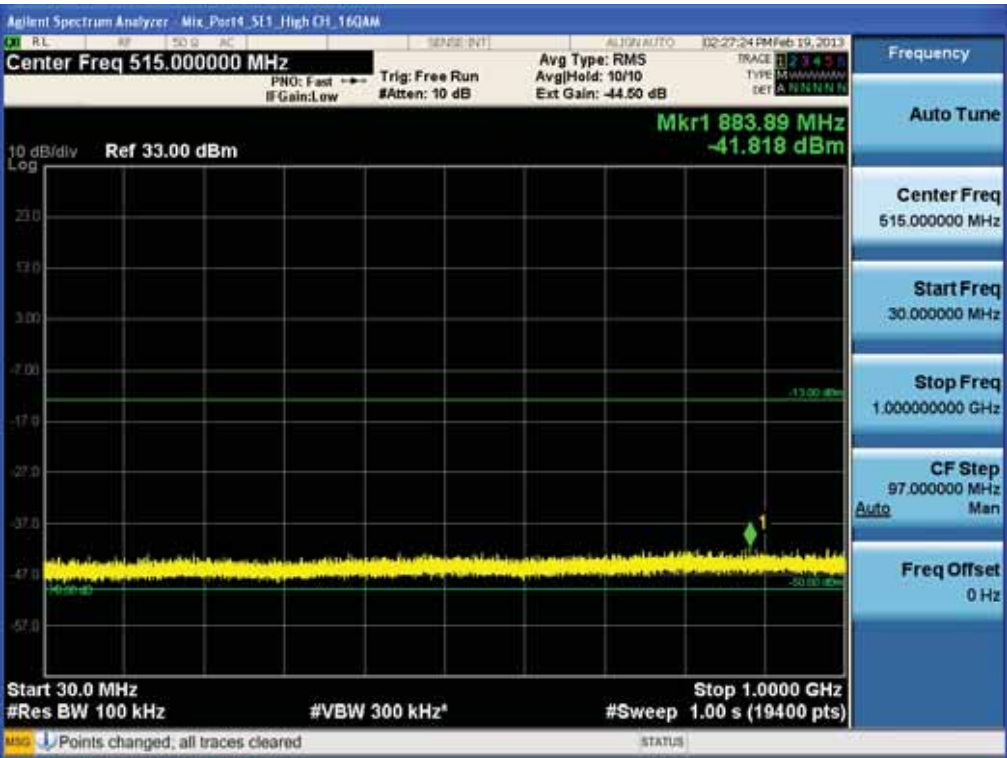
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 289 of 303

(16QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(16QAM High Channel)



(30 MHz ~ 1 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 290 of 303

(16QAM High Channel)



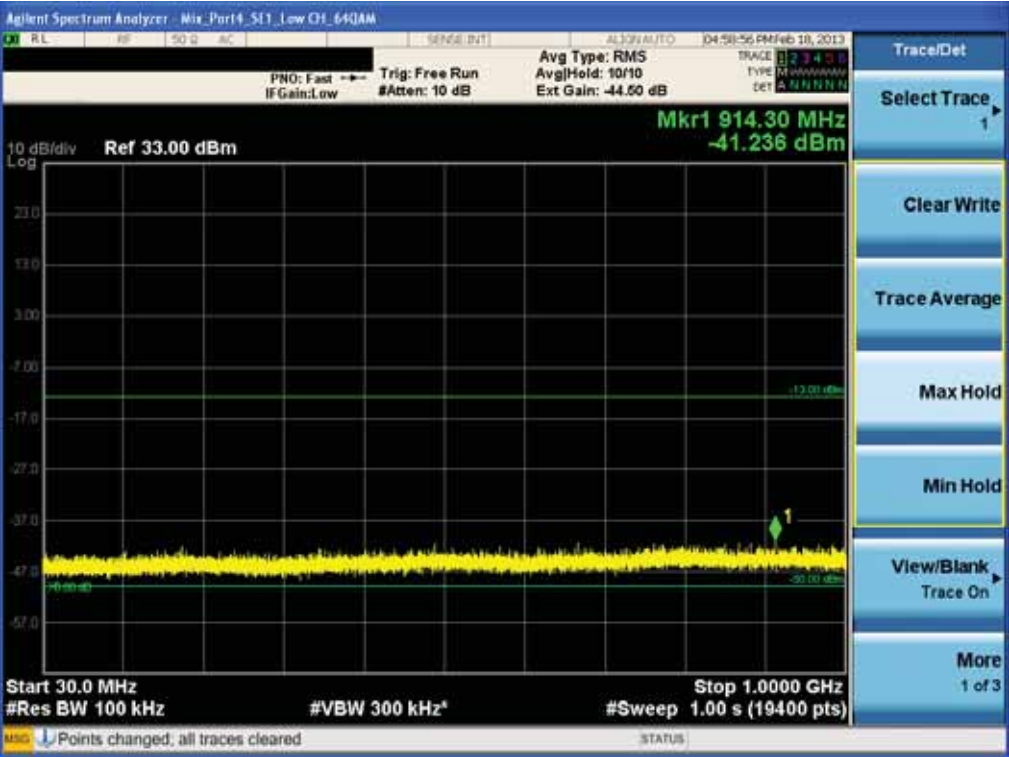
(1 GHz ~ 26.5 GHz)

(16QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 291 of 303

(64QAM Low Channel)



(30 MHz ~ 1 GHz)

(64QAM Low Channel)



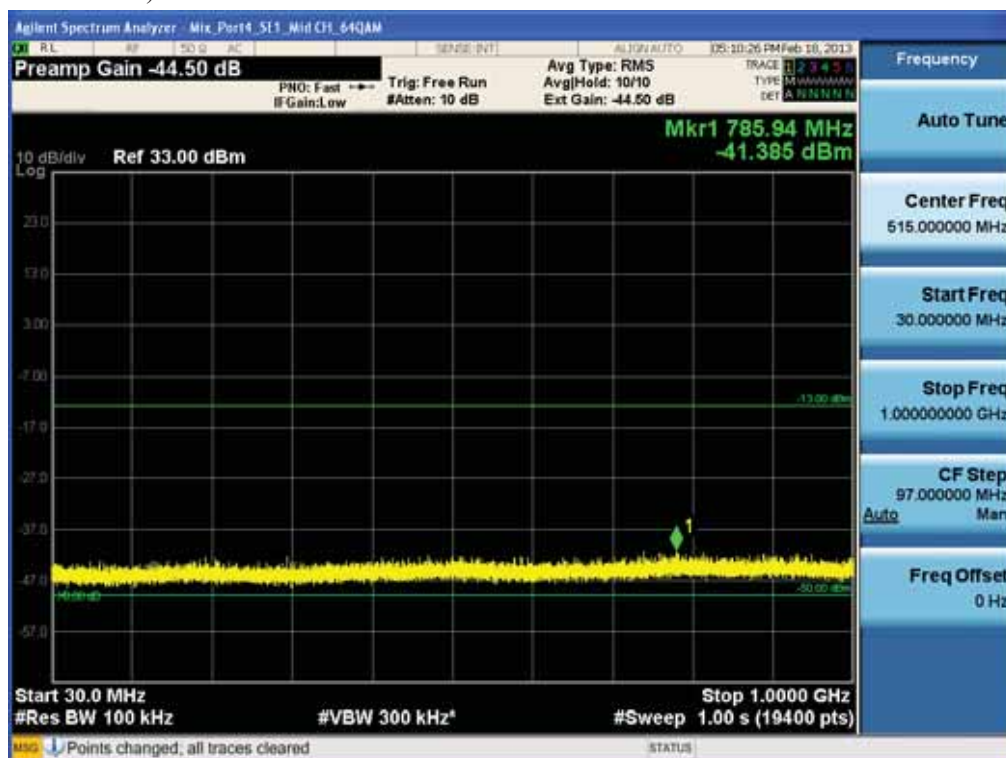
(1 GHz ~ 26.5 GHz)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 292 of 303

(64QAM Band Edge Low)



(64QAM Middle Channel)



(30 MHz ~ 1 GHz)

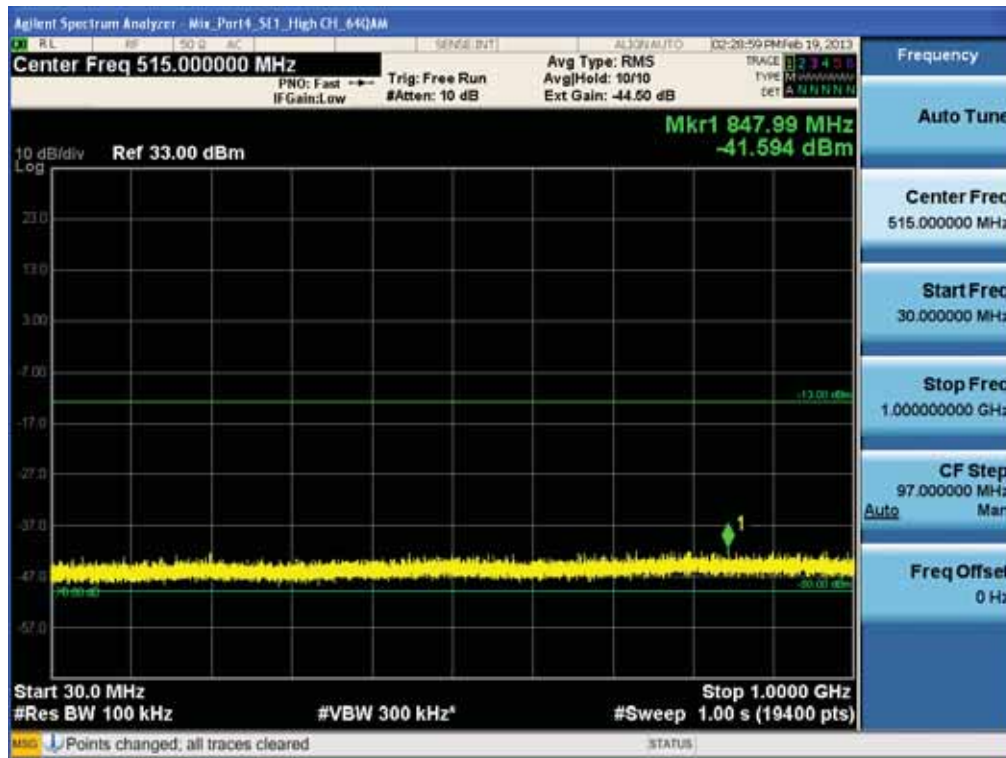
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 293 of 303

(64QAM Middle Channel)



(1 GHz ~ 26.5 GHz)

(64QAM High Channel)



(30 MHz ~ 1 GHz)

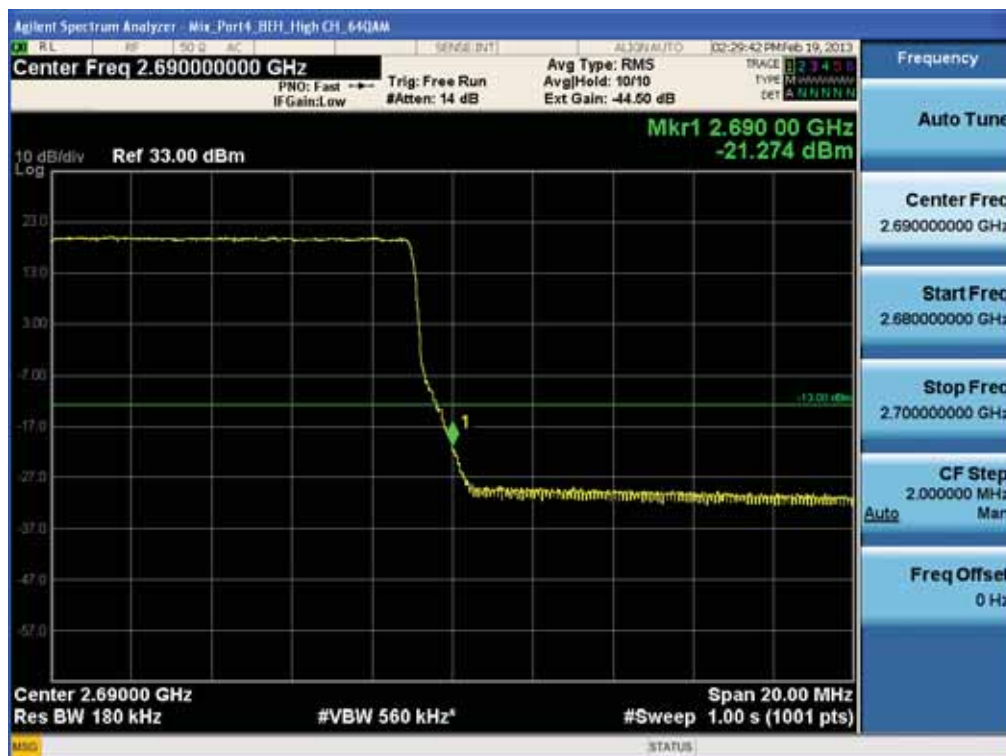
FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 294 of 303

(64QAM High Channel)



(1 GHz ~ 26.5 GHz)

(64QAM Band Edge High)



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 295 of 303

8. RADIATED SPURIOUS EMISSION

8.1 Applicable Standard

(1) For BRS and EBS stations, the power of any emissions outside the licensee's frequency bands of operation shall be attenuated below the transmitter power (P) measured in watts. (2) For fixed and temporary fixed digital stations, the attenuation shall be not less than $43 + 10 \log (P)$ dB, unless a documented interference complaint is received from an adjacent channel licensee. Provided that the complaint cannot be mutually resolved between the parties, both licensees of existing and new systems shall reduce their out-of-band emissions by at least $67 + 10 \log (P)$ dB measured at 3 MHz from their channel's edges for distances between stations exceeding 1.5 km.

8.2 Test Equipment List and Details

Manufacturer	Model / Equipment	Serial No.	Calibration Due
Schwarzbeck	BBHA 9120D / Double Ridged Horn Antenna	147	05/15/2014
Schwarzbeck	BBHA 9120D / Double Ridged Horn Antenna	937	10/17/2013
Schwarzbeck	VULB 9168 / TRILOG Antenna	255	05/03/2013
HD	MA240 / Antenna Position Tower	556	N/A
EMCO	1050 / Turn Table	114	N/A
HD GmbH	HD 100 / Controller	13	N/A
HD GmbH	KMS 560 / SlideBar	12	N/A
MITEQ	AMF-6B-180265-35-10P / POWER AMP	667624	04/16/2013
Agilent	N9020A /Signal Analyzer	US46220219	05/02/2013
Agilent	6674A / DC Power Supply	3501A00901	05/02/2013
HP	83640B / Signal Generator	3614A00105	11/07/2013
WEINSCHEL	67-30-33 / Attenuator	BU5347	11/07/2013
WEINSCHEL	67-30-33 / Attenuator	BR0530	11/07/2013
WEINSCHEL	AF9003-69-31 / Attenuator	11787	11/07/2013
WEINSCHEL	AF9003-69-31 / Attenuator	5701	11/07/2013

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 296 of 303

8.3 Test Procedure

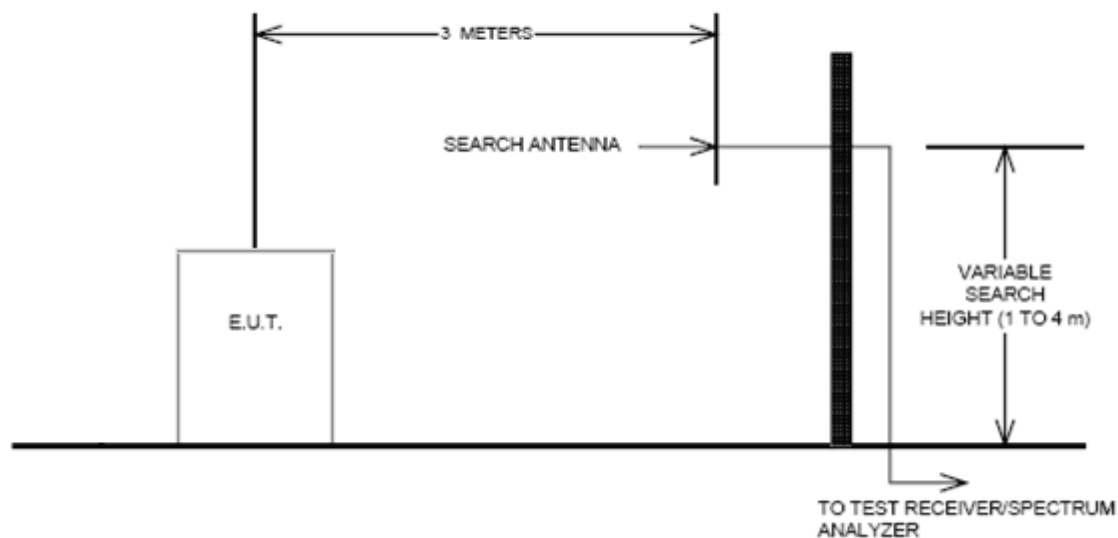
Radiated emission measurements were performed at an semi-anechoic chamber.

The EUT was set at a distance of 3m from the receiving antenna. The EUT's RF ports were terminated to 50ohm load. The EUT was set to transmit at the low, mid and high channels of the transmitter frequency range at its maximum power level. The EUT was rotated about 360° and the receiving antenna scanned from 1-4m in order to capture the maximum emission.

A calibrated antenna source was positioned in place of the EUT and the previously recorded signal was duplicated.

The maximum EIRP of the emission was calculated by adding the forward power to the calibrated source plus its appropriate gain value. These steps were carried out with the receiving antenna in both vertical and horizontal polarization. Harmonic emissions up to the 10th or 40GHz, whichever was the lesser, were investigated.

8.3.1 Radiated Spurious Emissions Test Setup



FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 297 of 303

8.4 Test Result

: PASS

Mode	Test Frequency	Freq.(MHz)	Measured Level [dBm]	Ant. Gain (dBi)	C.L	SigGen Level [dBm]	Pol.	EIRP (dBm)	Margin (dB)
TD-LTE	2506	5012	-73.45	12.46	9.57	-32.13	V	-29.24	16.24
		7518	-72.12	10.98	12.23	-23.14	V	-24.39	11.39
	2592	5184	-75.55	12.66	9.72	-33.99	V	-31.05	18.05
		7776	-72.34	11.12	12.36	-23.08	V	-24.32	11.32
	2680	5360	-74.14	12.86	9.87	-32.34	V	-29.35	16.35
		8040	-71.88	11.27	12.52	-22.31	V	-23.56	10.56

※ It was tested at Power Boosting mode(WiMax + TD-LTE)

Sample Calculation

Freq.(MHz)	Measured Level [dBm]	Ant. Gain (dBi)	C.L	SigGen Level [dBm]	Pol.	EIRP (dBm)	Margin (dB)
5012	-73.45	12.46	9.57	-32.13	V	-29.24	16.24

$EIRP = \text{SigGen LEVEL(dBm)} + \text{Ant. Gain} - \text{CL(Cable Loss)}$

$-29.24 = -32.13 + 12.46 - 9.57$

- 1) The EUT mounted on a table on 0.8 meter above test site ground level.
- 2) During the test, the turn table is rotated and the antenna height is also varied from 1 to 4 meters until the maximum signal is found.
- 3) Record the field strength meter's level.
- 4) Replace the EUT with antenna that is connected to a calibrated signal generator.
- 5) Increase the signal generator output till the field strength meter's level is equal to the item (3).
- 6) The signal generator output level with Ant. Gain and cable loss are the rating of effective radiated power (**EIRP**).

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 298 of 303

9. FREQUENCY STABILITY

9.1 Applicable Standard

Requirements: FCC § 2.1055 (a), Part 27.54 following: The frequency stability shall be sufficient to ensure that the fundamental emissions stay

9.2 Test Equipment List and Details

Manufacturer	Model / Equipment	Serial No.	Calibration Due
Agilent	N9020A /Signal Analyzer	US46220219	05/02/2013
Agilent	6674A / DC Power Supply	3501A00901	05/02/2013
WEINSCHEL	67-30-33 / Attenuator	BU5347	11/07/2013
WEINSCHEL	67-30-33 / Attenuator	BR0530	11/07/2013
WEINSCHEL	AF9003-69-31 / Attenuator	11787	11/07/2013
WEINSCHEL	AF9003-69-31 / Attenuator	5701	11/07/2013

9.3 Test Procedure

Frequency Stability over Temperature variation:

The equipment under test was connected to an external DC power supply and the RF output was connected to a Spectrum Analyzer via feed-through attenuators. The EUT was placed inside the temperature chamber. RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 30 minutes, the frequency output was recorded from the VSA8960 S/W via MXA Signal Analyzer.

Frequency stability over Voltage variation: An external variable DC power supply Source. The voltage was set to 85% and 115% of the nominal value. The output frequency was recorded for each voltage.

9.4. Test Result

: Pass

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 299 of 303

[TD-LTE]**Modulation: QPSK****Reference: - 48 Vdc at 20°C Freq. = 2506,000,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2505 999 985	-15.1	0.0	0.0000
	-30	2505 999 986	-14.3	-0.8	-0.0003
	-20	2505 999 988	-11.8	-3.3	-0.0013
	-10	2505 999 987	-12.8	-2.3	-0.0009
	0	2505 999 988	-12.4	-2.7	-0.0011
	+10	2505 999 987	-13.5	-1.6	-0.0006
	+30	2505 999 987	-13.1	-2.0	-0.0008
	+40	2505 999 988	-11.9	-3.2	-0.0013
	+50	2505 999 988	-12.4	-2.7	-0.0011
115%	+20	2505 999 987	-13.3	-1.8	-0.0007
85%	+20	2505 999 987	-12.8	-2.3	-0.0009

(Output Port 1)**Modulation: 16QAM****Reference: - 48 Vdc at 20°C Freq. = 2592,000,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2591 999 985	-14.8	0.0	0.0000
	-30	2591 999 985	-15.4	0.6	0.0002
	-20	2591 999 987	-13.4	-1.4	-0.0005
	-10	2591 999 984	-15.8	1.0	0.0004
	0	2591 999 983	-16.7	1.9	0.0007
	+10	2591 999 986	-14.3	-0.5	-0.0002
	+30	2591 999 987	-12.8	-2.0	-0.0008
	+40	2591 999 985	-14.7	-0.1	0.0000
	+50	2591 999 982	-17.7	2.9	0.0011
115%	+20	2591 999 985	-15.2	0.4	0.0002
85%	+20	2591 999 986	-14.2	-0.6	-0.0002

(Output Port 2)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 300 of 303

Modulation: 64QAM**Reference: - 48 Vdc at 20°C Freq. = 2680,000,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2679 999 988	-11.8	0.0	0.0000
	-30	2679 999 987	-13.4	1.6	0.0006
	-20	2679 999 987	-13.1	1.3	0.0005
	-10	2679 999 985	-14.8	3.0	0.0011
	0	2679 999 987	-12.8	1.0	0.0004
	+10	2679 999 988	-11.7	-0.1	0.0000
	+30	2679 999 986	-13.8	2.0	0.0007
	+40	2679 999 985	-14.6	2.8	0.0010
	+50	2679 999 987	-13.0	1.2	0.0004
115%	+20	2679 999 989	-10.8	-1.0	-0.0004
85%	+20	2679 999 989	-11.4	-0.4	-0.0001

(Output Port 3)**Modulation: 64QAM****Reference: - 48 Vdc at 20°C Freq. = 2680,000,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2679 999 987	-13.4	0.0	0.0000
	-30	2679 999 987	-12.8	1.0	0.0004
	-20	2679 999 986	-14.4	2.6	0.0010
	-10	2679 999 986	-14.1	2.3	0.0009
	0	2679 999 985	-15.5	3.7	0.0014
	+10	2679 999 987	-13.4	1.6	0.0006
	+30	2679 999 988	-12.1	0.3	0.0001
	+40	2679 999 986	-13.7	1.9	0.0007
	+50	2679 999 989	-11.4	-0.4	-0.0001
115%	+20	2679 999 988	-12.2	0.4	0.0001
85%	+20	2679 999 988	-11.7	-0.1	0.0000

(Output Port 4)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 301 of 303

[WiMax]**Modulation: QPSK****Reference: - 48 Vdc at 20°C Freq. = 2508,500,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2508 499 946	-54.2	0.0	0.0000
	-30	2508 499 949	-51.1	-3.1	-0.0012
	-20	2508 499 944	-55.8	1.6	0.0006
	-10	2508 499 939	-61.2	7.0	0.0028
	0	2508 499 953	-47.0	-7.2	-0.0029
	+10	2508 499 950	-50.4	-3.8	-0.0015
	+30	2508 499 943	-57.4	3.2	0.0013
	+40	2508 499 948	-52.0	-2.2	-0.0009
	+50	2508 499 952	-48.4	-5.8	-0.0023
115%	+20	2508 499 948	-51.7	-2.5	-0.0010
85%	+20	2508 499 947	-53.3	-0.9	-0.0004

(Output Port 1)**Modulation: 16QAM****Reference: - 48 Vdc at 20°C Freq. = 2630,500,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2630 499 951	-48.8	0.0	0.0000
	-30	2630 499 946	-54.2	5.4	0.0021
	-20	2630 499 942	-58.4	9.6	0.0036
	-10	2630 499 949	-51.1	2.3	0.0009
	0	2630 499 951	-49.4	0.6	0.0002
	+10	2630 499 953	-47.1	-1.7	-0.0006
	+30	2630 499 947	-52.7	3.9	0.0015
	+40	2630 499 944	-56.2	7.4	0.0028
	+50	2630 499 950	-50.4	1.6	0.0006
115%	+20	2630 499 953	-47.4	-1.4	-0.0005
85%	+20	2630 499 950	-50.4	1.6	0.0006

(Output Port 2)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 302 of 303

Modulation: 64QAM**Reference: - 48 Vdc at 20°C Freq. = 2683,500,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2683 499 952	-48.4	0.0	0.0000
	-30	2683 499 949	-50.7	2.3	0.0009
	-20	2683 499 950	-49.6	1.2	0.0004
	-10	2683 499 946	-54.4	6.0	0.0022
	0	2683 499 949	-50.8	2.4	0.0009
	+10	2683 499 948	-51.7	3.3	0.0012
	+30	2683 499 950	-50.3	1.9	0.0007
	+40	2683 499 943	-57.0	8.6	0.0032
	+50	2683 499 951	-49.4	1.0	0.0004
115%	+20	2683 499 948	-51.8	3.4	0.0013
85%	+20	2683 499 944	-56.4	8.0	0.0030

(Output Port 3)**Modulation: 64QAM****Reference: - 48 Vdc at 20°C Freq. = 2683,500,000 MHz**

Voltage (%)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (Hz)	ppm
100%	+20(Ref)	2683 499 949	-51.1	0.0	0.0000
	-30	2683 499 945	-55.3	6.9	0.0026
	-20	2683 499 949	-50.7	2.3	0.0009
	-10	2683 499 952	-48.4	0.0	0.0000
	0	2683 499 949	-51.5	3.1	0.0012
	+10	2683 499 943	-56.8	8.4	0.0031
	+30	2683 499 950	-50.3	1.9	0.0007
	+40	2683 499 951	-48.6	0.2	0.0001
	+50	2683 499 949	-50.7	2.3	0.0009
115%	+20	2683 499 948	-52.4	4.0	0.0015
85%	+20	2683 499 948	-51.7	3.3	0.0012

(Output Port 4)

FCC PT.27 TEST REPORT	FCC CERTIFICATION REPORT			HCT PT.27 TEST REPORT
Test Report No. HCTR1302FR26	Date of Issue: February 28, 2013	EUT Type: Mobile RRH(Remote Radio Head)	FCC ID: A3LSLS-BD106Q	Page 303 of 303