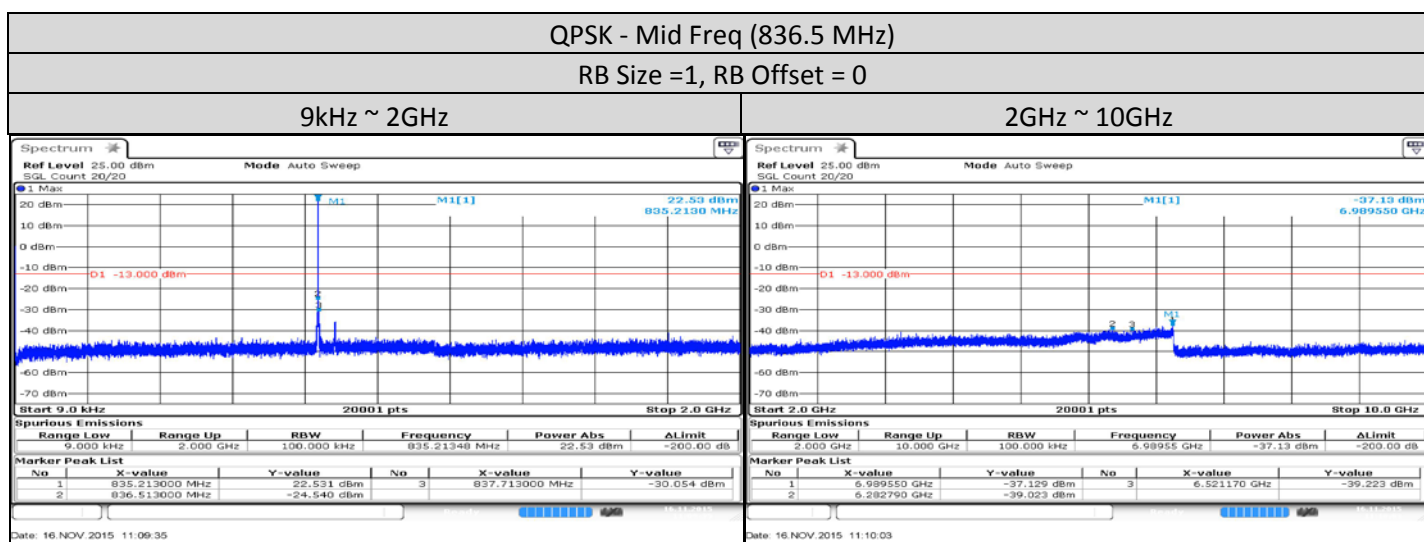
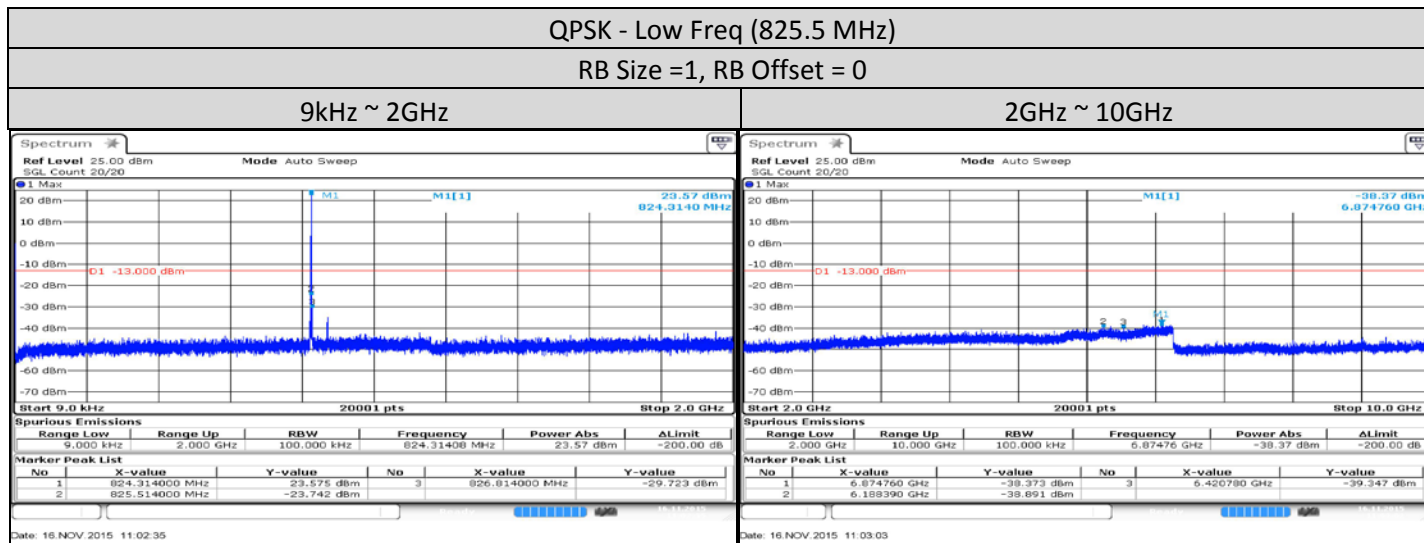
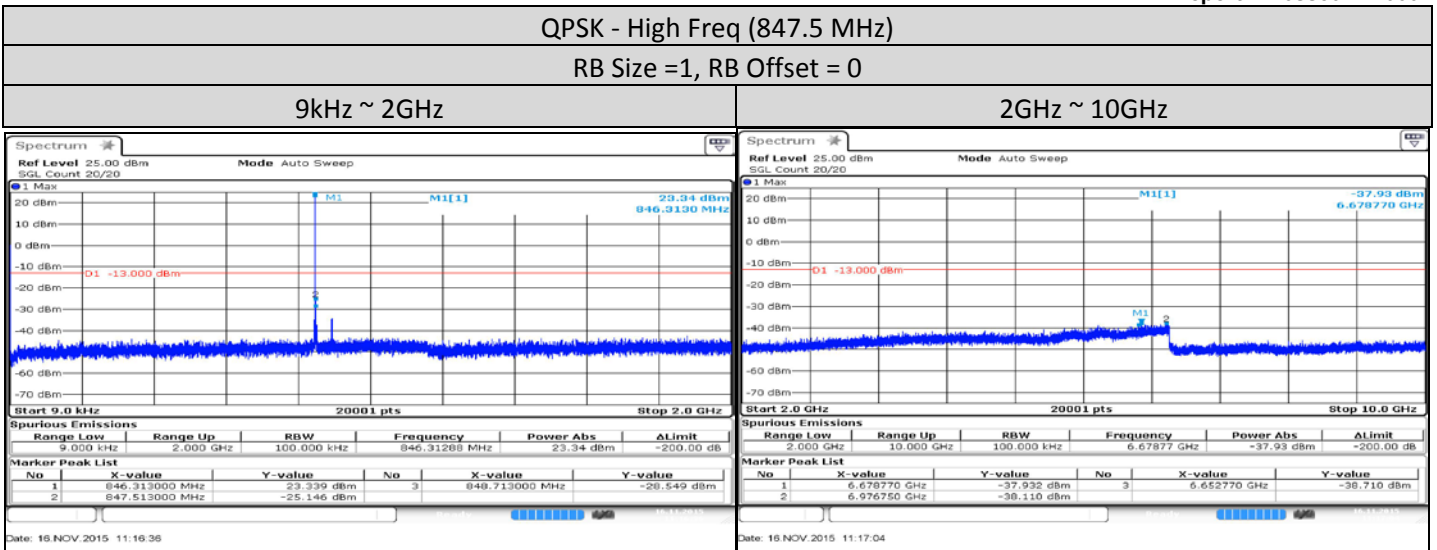
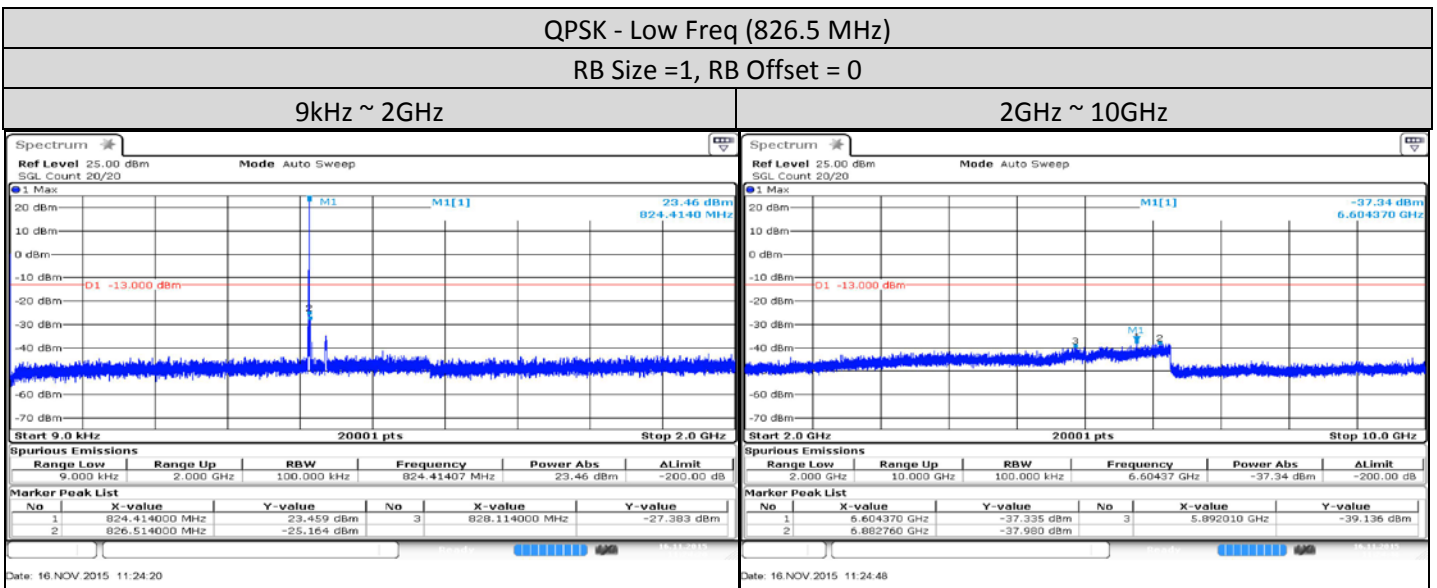


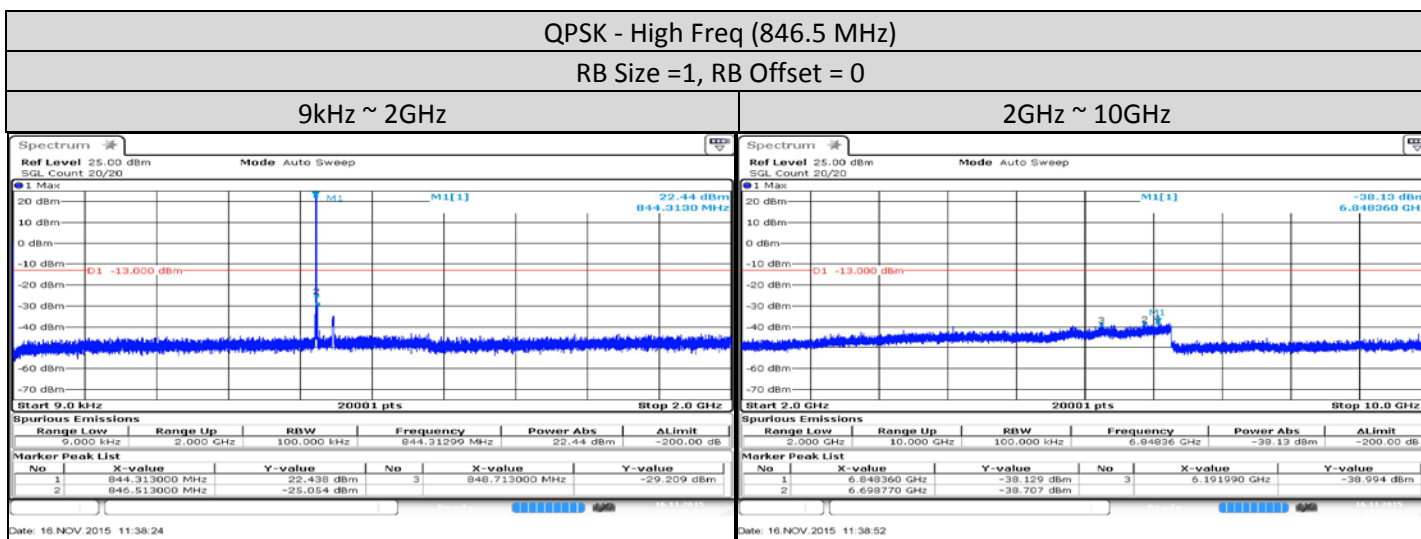
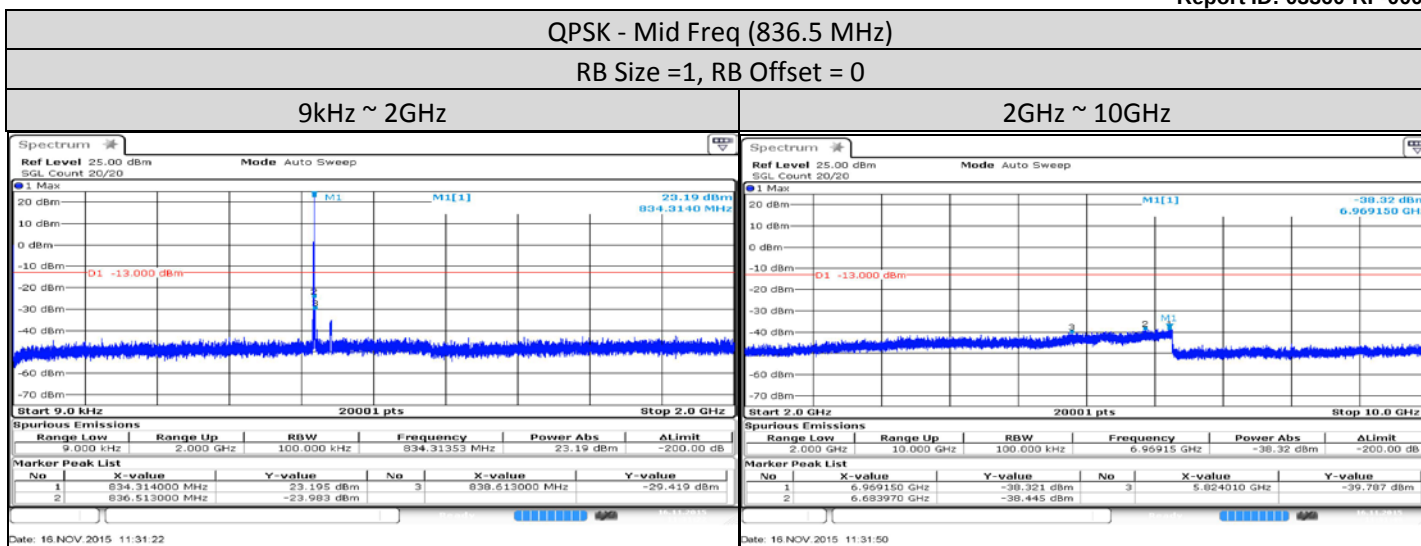
3MHz



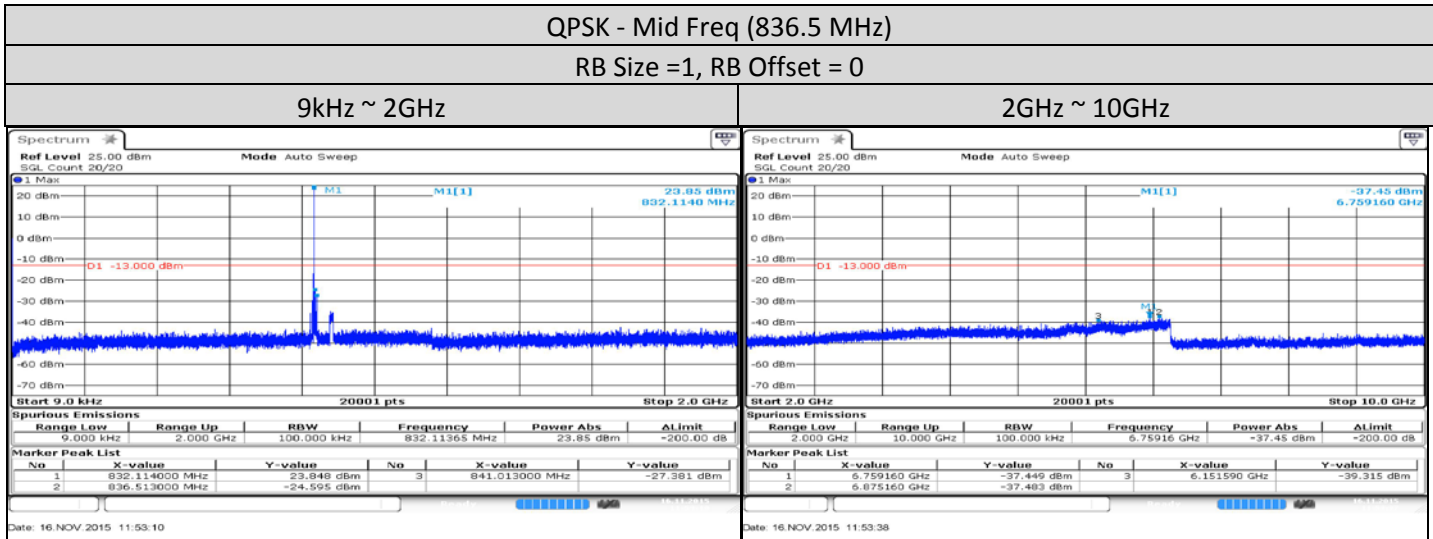
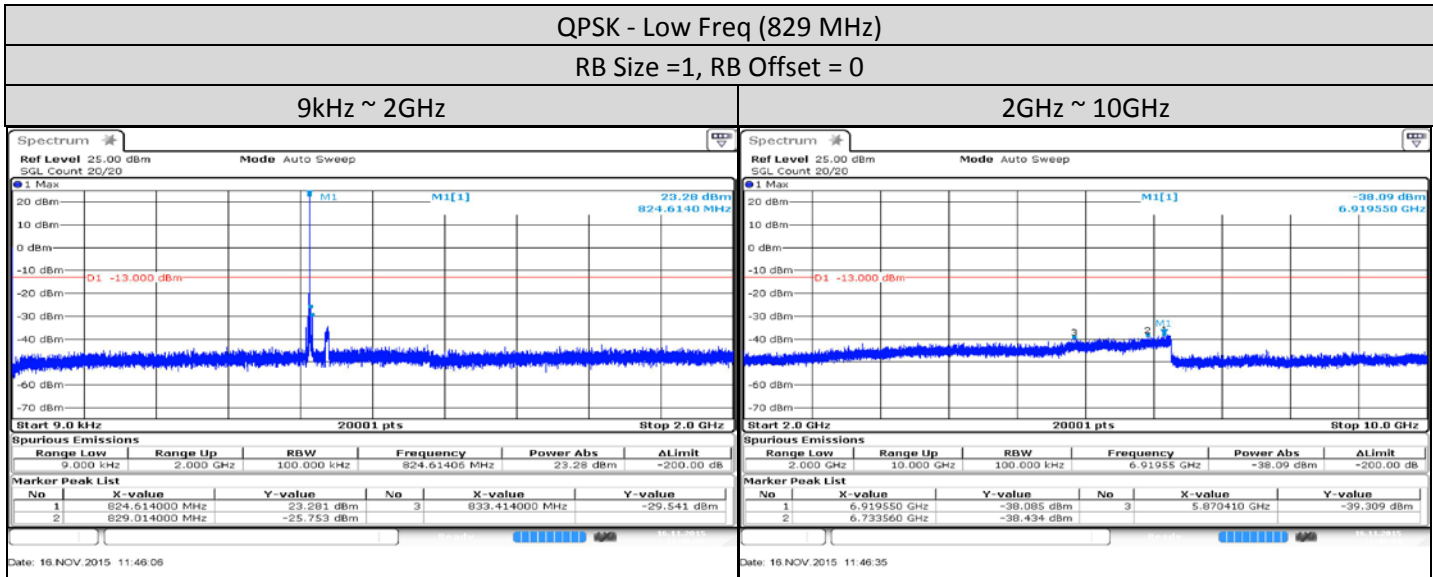


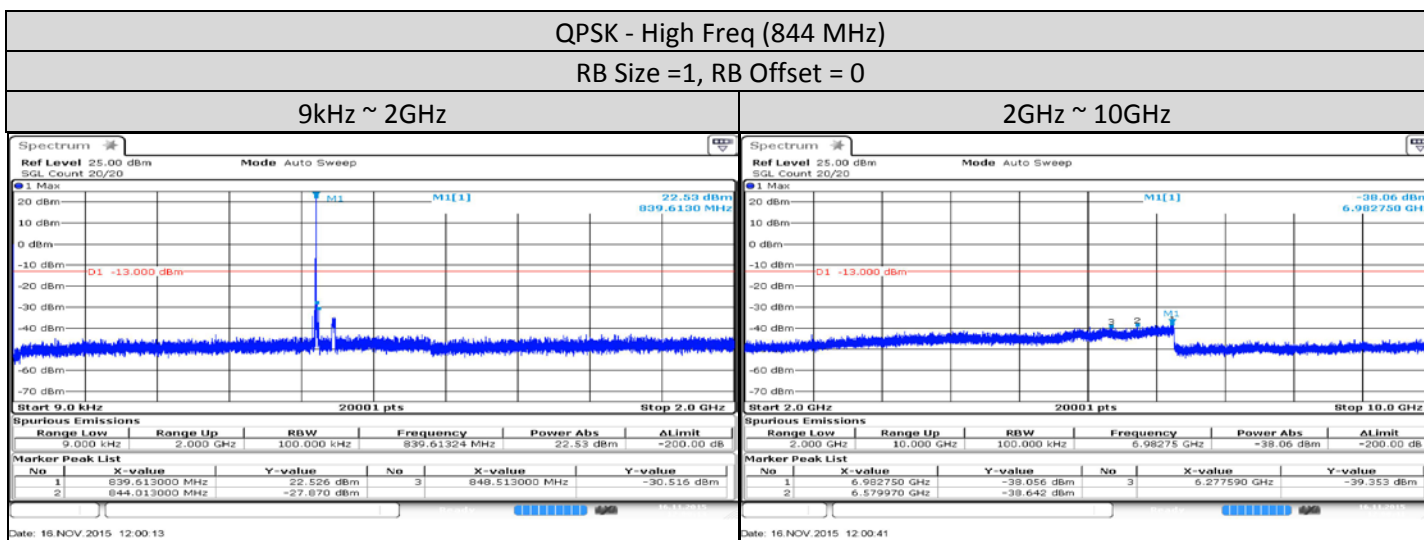
5MHz



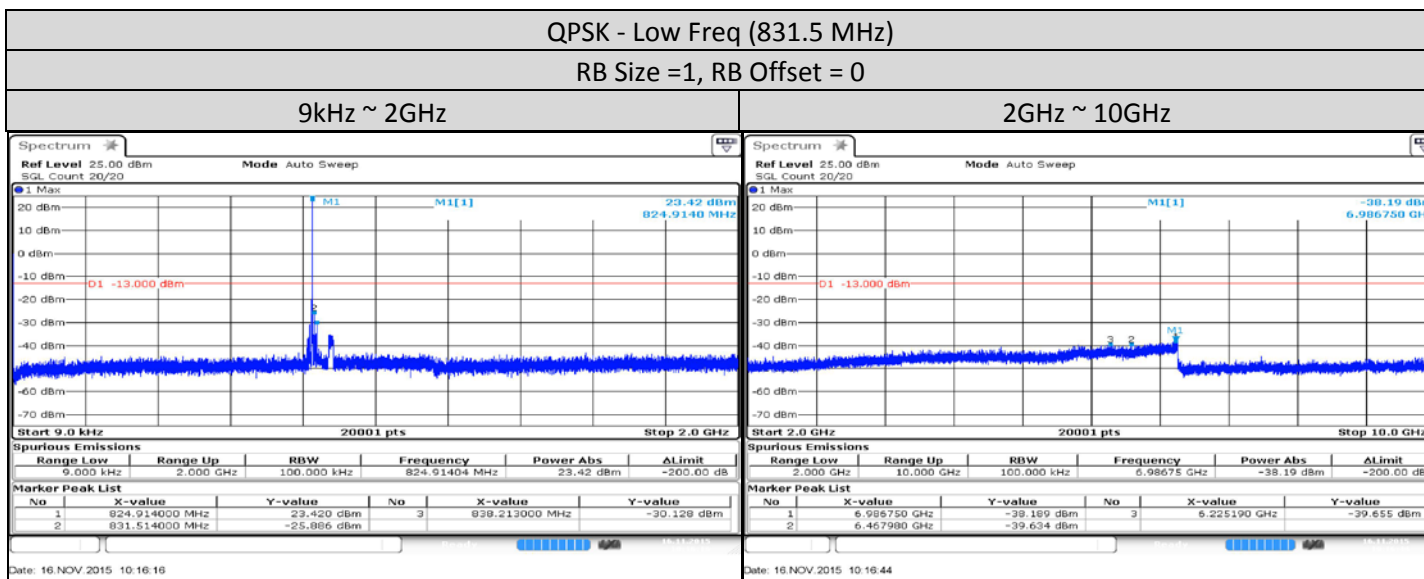


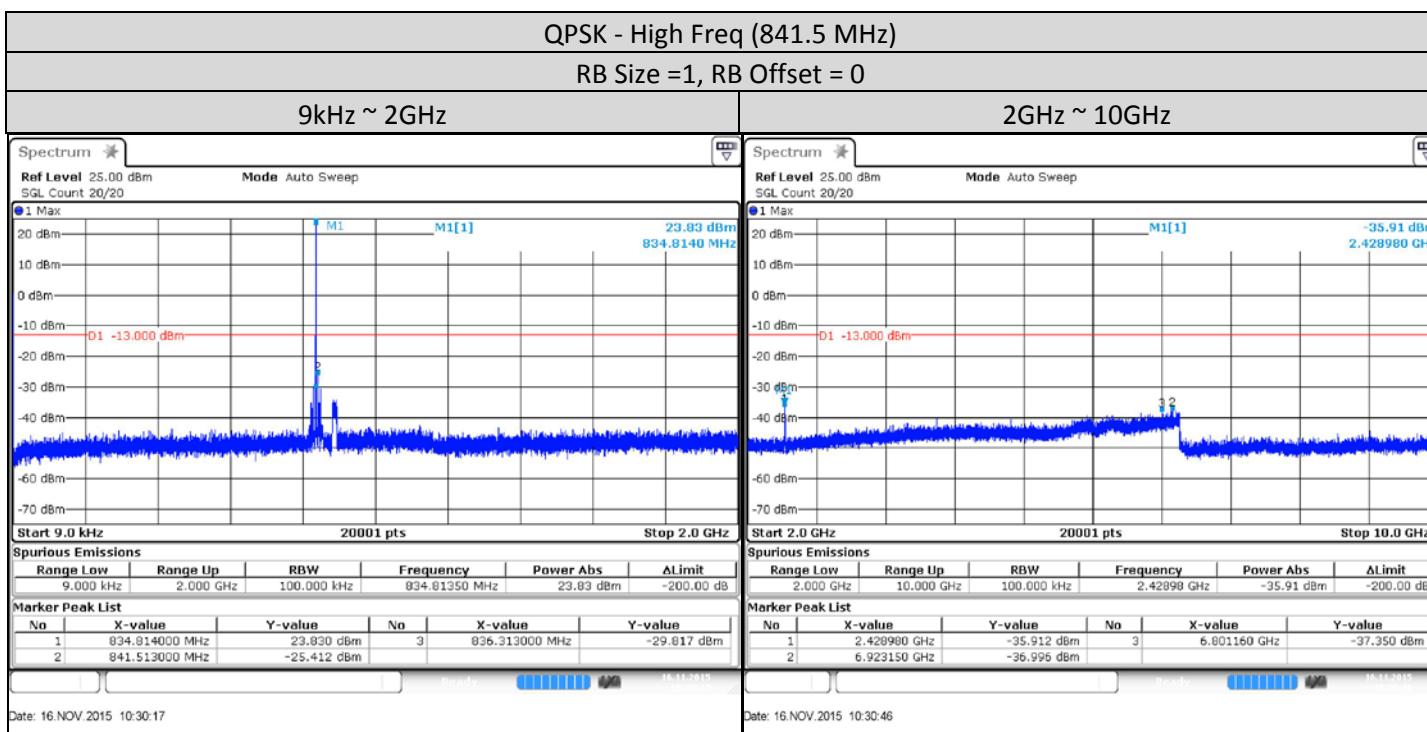
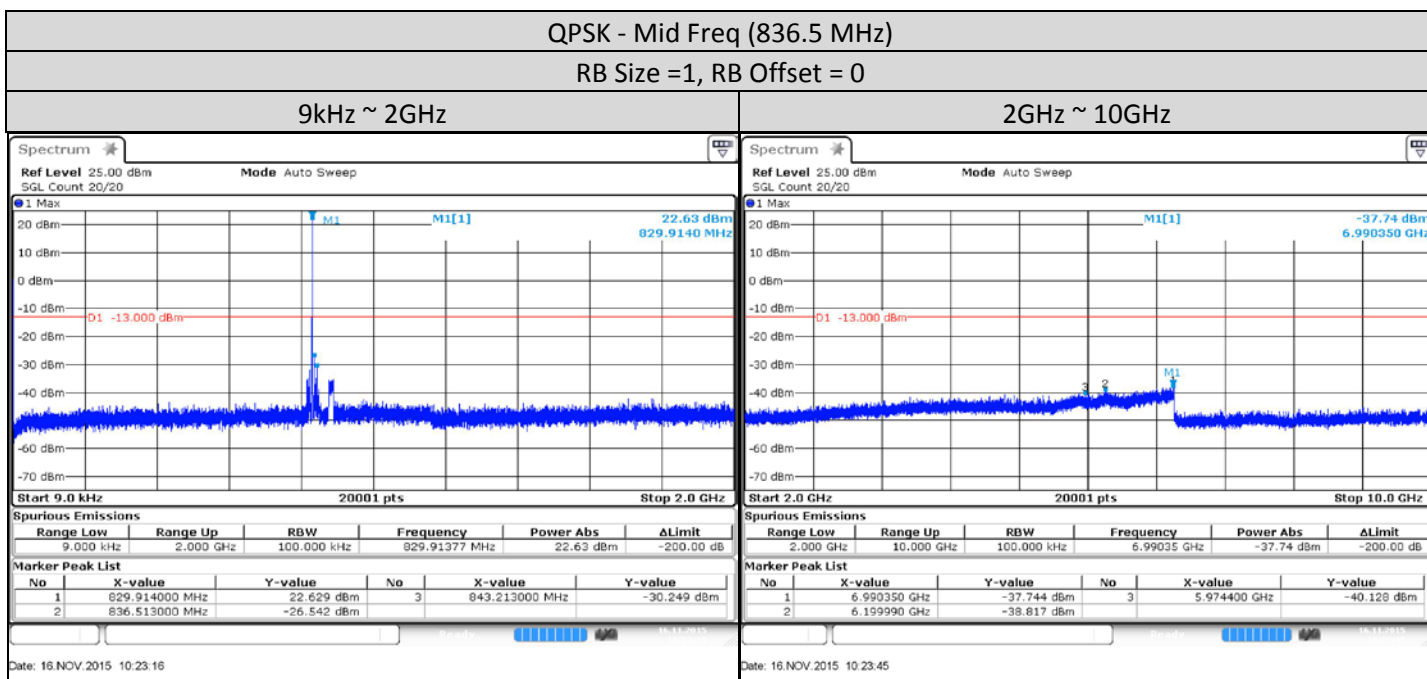
10MHz





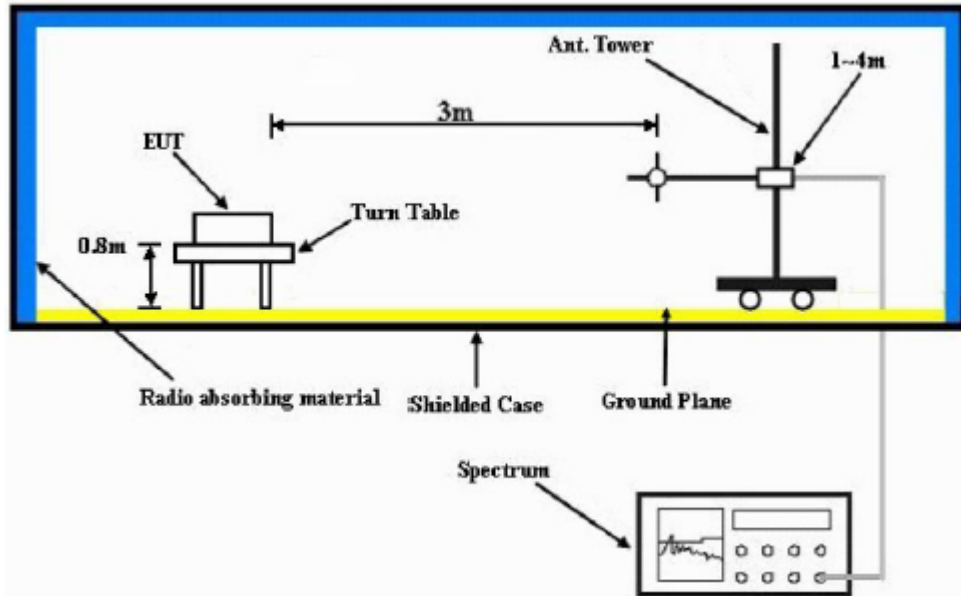
15MHz





1.12. Radiated Spurious Emission

1.12.1. Test Setup



- 1) The spectrum setting for scanning Radiated Emission below 1 GHz is RBW = 100 kHz, VBW = 300 kHz and above 1 GHz is RBW = 1MHz, VBW = 3MHz. Detector mode is positive peak.
- 2) In the semi-anechoic chamber, setup as illustrated above the EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- 3) The substitution antenna is substituted for EUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.
- 4) Final Radiated Spurious Emission = “Read Value” + Measured substitution value.

1.12.2. Test Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

MODEL #: LEX L10i

Battery : PMNN4472A, Accy : 3360-HKTN4009A-3, 3360-CB000262A01-3

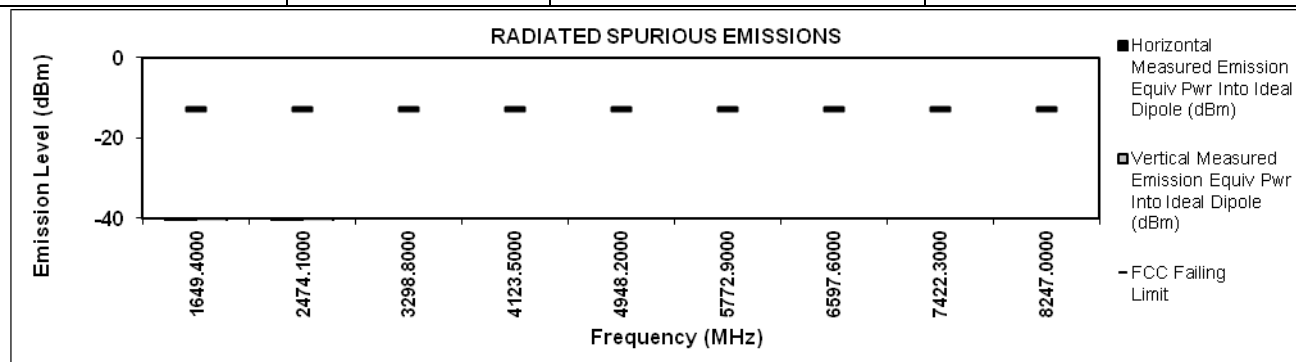
Band 26 (Low)

824.7 MHz

Bandwidth 1.4 Mhz

0.2512 Watt(s)/Max Power

S/N: 171PRQ1569

[illegible]

Motorola Penang EMC Lab - Test Performed by: Qawiman/Nazrin

January 2, 2016

FCC Registration: 772092

Industry Canada: 109AK

Remarks:** Indicates the spurious emission could not be detected due to noise limitations or ambients.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

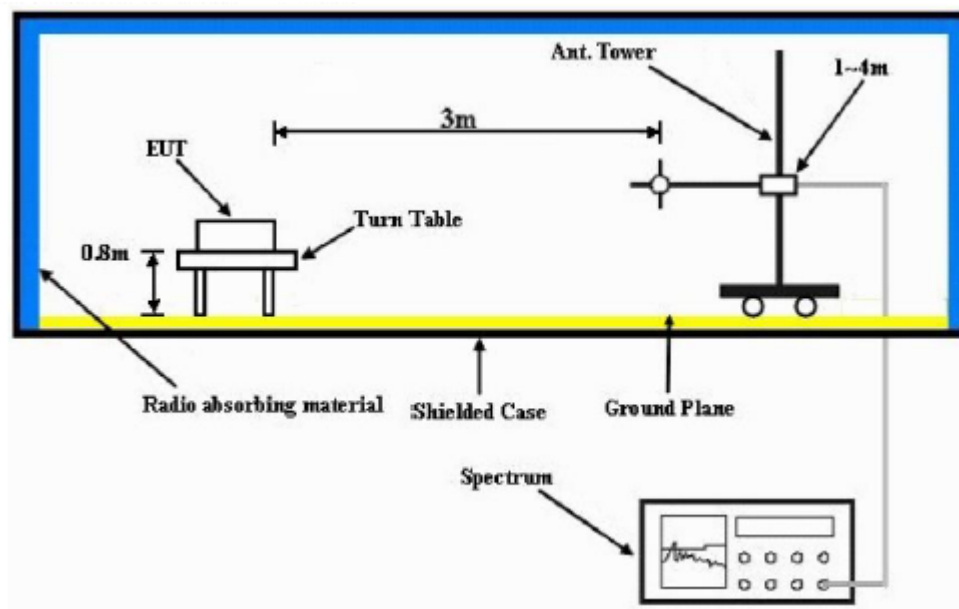
Temp(Deg): 24.8 Hum(%RH): 63.7

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

1.13. Effective Radiated Power (ERP)

1.13.1. Test Setup



- 1) The spectrum setting for Effective Radiated Power (ERP) is RBW = 100 kHz, VBW = 300 kHz. Detector Mode is RMS.
- 2) In the semi-anechoic chamber, setup as illustrated above the EUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The "Read Value" is the spectrum reading of maximum power value.
- 3) The substitution antenna is substituted for EUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.
- 4) $ERP = \text{"Read Value"} + \text{Measured substitution value.}$

1.13.2. Test Limit

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

1.13.3. Effective Radiated Power (ERP) - LTE Band 26 (824-849MHz)

Band 26, 1.4MHz QPSK, Low CH 20407	
RB = 1	Offset = 5

EIRP/ERP

Bandwidth : 1.4MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	824.7	13.38	11.23
Vert.	824.7	11.90	9.75

Band 26, 1.4MHz QPSK, Mid CH 20525	
RB = 1	Offset = 5

EIRP/ERP

Bandwidth : 1.4MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	15.91	13.76
Vert.	836.5	4.08	1.93

Band 26, 1.4MHz QPSK, High CH 20643	
RB = 1	Offset = 5

EIRP/ERP

Bandwidth : 1.4MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	848.3	15.10	12.95
Vert.	848.3	12.03	9.88

Band 26, 3MHz QPSK, Low CH 20415	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 3 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	825.5	15.76	13.61
Vert.	825.5	11.76	9.61

Band 26, 3MHz QPSK, Mid CH 20525	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 3 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	18.00	15.85
Vert.	836.5	11.94	9.79

Band 26, 3MHz QPSK, High CH 20635	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 3 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	847.5	16.40	14.25
Vert.	847.5	10.64	8.49

Band 26, 5MHz QPSK, Low CH 20425	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 5 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	826.5	14.92	12.77
Vert.	826.5	12.18	10.03

Band 26, 5MHz QPSK, Mid CH 20525	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 5 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	16.05	13.9
Vert.	836.5	12.53	10.38

Band 26, 5MHz QPSK, High CH 20625	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 5 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	846.5	18.21	16.06
Vert.	846.5	12.47	10.32

Band 26, 10MHz QPSK, Low CH 20450	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 10 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	829	16.20	14.05
Vert.	829	13.82	11.67

Band 26, 10MHz QPSK, Mid CH 20525	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 10 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	16.52	14.37
Vert.	836.5	12.27	10.12

Band 26, 10MHz QPSK, High CH 20600	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 10 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	844	19.54	17.39
Vert.	844	13.42	11.27

Band 26, 15MHz QPSK, Low CH 26865	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 15 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	831.5	19.52	17.37
Vert.	831.5	12.73	10.58

Band 26, 15MHz QPSK, Mid CH 26915	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 15 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	17.16	15.01
Vert.	836.5	13.31	11.16

Band 26, 15MHz QPSK, High CH 26965	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 15 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: QPSK

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	841.5	16.44	14.29
Vert.	841.5	10.22	8.07

Band 26, 1.4MHz 16QAM, Low CH 20407	
RB = 1	Offset = 5

EIRP/ERP

Bandwidth : 1.4MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	824.7	15.33	13.18
Vert.	824.7	10.04	7.89

Band 26, 1.4MHz 16QAM, Mid CH 20525	
RB = 1	Offset = 5

EIRP/ERP

Bandwidth : 1.4MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	15.34	13.19
Vert.	836.5	9.09	6.94

Band 26, 1.4MHz 16QAM, High CH 20643	
RB = 1	Offset = 5

EIRP/ERP

Bandwidth : 1.4MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	848.3	16.40	14.25
Vert.	848.3	12.19	10.04

Band 26, 3MHz 16QAM, Low CH 20415	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 3 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	825.5	16.81	14.66
Vert.	825.5	8.15	6.0

Band 26, 3MHz 16QAM, Mid CH 20525	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 3 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	16.72	14.57
Vert.	836.5	12.22	10.07

Band 26, 3MHz 16QAM, High CH 20635	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 3 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	847.5	16.61	14.46
Vert.	847.5	13.34	11.19

Band 26, 5MHz 16QAM, Low CH 20425	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 5 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	826.5	17.77	15.62
Vert.	826.5	11.38	9.23

Band 26, 5MHz 16QAM, Mid CH 20525	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 5 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	13.38	11.23
Vert.	836.5	8.28	6.13

Band 26, 5MHz 16QAM, High CH 20625	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 5 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	846.5	17.10	14.95
Vert.	846.5	10.94	8.79

Band 26, 10MHz 16QAM, Low CH 20450	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 10 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	829	12.70	10.55
Vert.	829	8.43	6.28

Band 26, 10MHz 16QAM, Mid CH 20525	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 10 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	16.47	14.32
Vert.	836.5	12.77	10.62

Band 26, 10MHz 16QAM, High CH 20600	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 10 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	844	18.69	16.54
Vert.	844	7.92	5.77

Band 26, 15MHz 16QAM, Low CH 26865	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 15 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	831.5	16.45	14.3
Vert.	831.5	9.75	7.6

Band 26, 15MHz 16QAM, Mid CH 26915	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 15 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	836.5	16.88	14.73
Vert.	836.5	6.99	4.84

Band 26, 15MHz 16QAM, High CH 26965	
RB = 1	Offset = 0

EIRP/ERP

Bandwidth : 15 MHz

S/N: 171PRQ1568

Tx Power: 0.2512 Watts

Modulation: 16QAM

Accessory: 3360-HKTN4009A-3, 3360-CB000262A01-3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	841.5	12.98	10.83
Vert.	841.5	11.85	9.68