

8.5.1. HIGH POWER HDR (HDR4)**Antenna 2**

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	11.73
Middle	2441	11.75
High	2478	11.72

Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	11.75
Middle	2441	11.76
High	2478	11.73

8.5.2. HIGH POWER HDR (HDR8)**Antenna 2**

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	11.58
Middle	2441	11.62
High	2478	11.55

Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	11.73
Middle	2441	11.75
High	2478	11.70

8.5.3. LOW POWER HDR (HDR4)**Antenna 2**

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	6.22
Middle	2441	6.24
High	2478	6.25

Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	6.25
Middle	2441	6.04
High	2478	6.24

8.5.4. LOW POWER HDR (HDR8)**Antenna 2**

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	6.25
Middle	2441	6.18
High	2478	6.21

Antenna 5

Tested By:	39316
Date:	6/28/2019

Channel	Frequency	AV power
	(MHz)	(dBm)
Low	2404	6.41
Middle	2441	6.18
High	2478	6.24

8.6. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

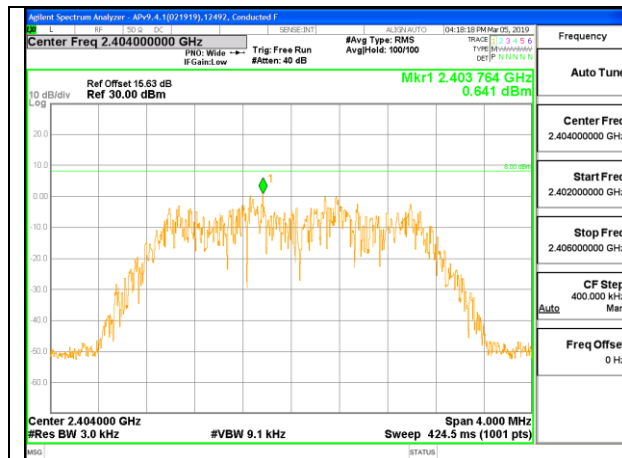
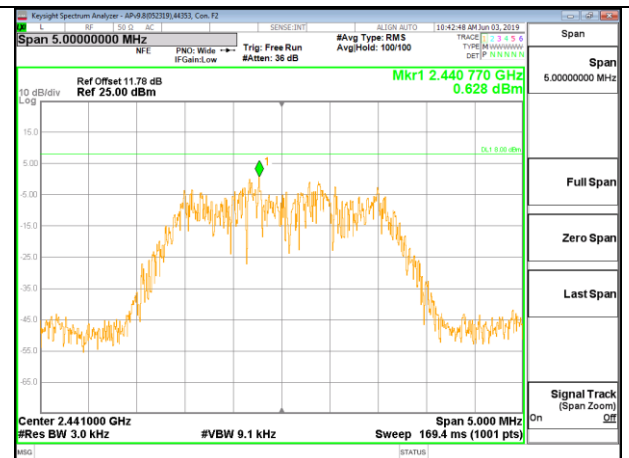
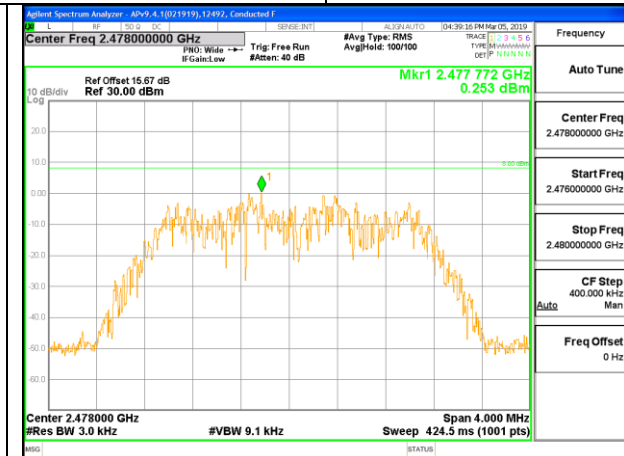
RSS-247 (5.2) (b)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

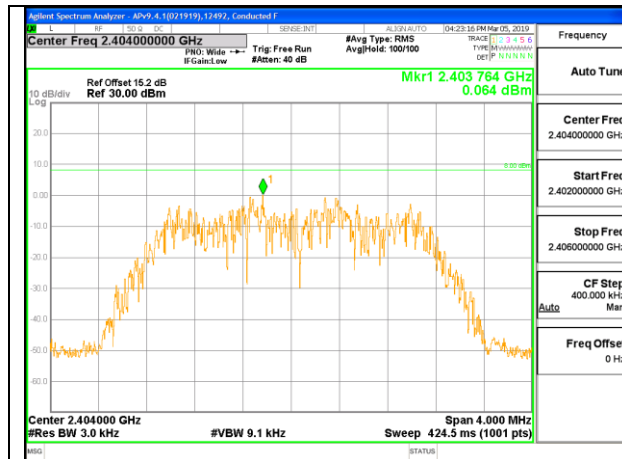
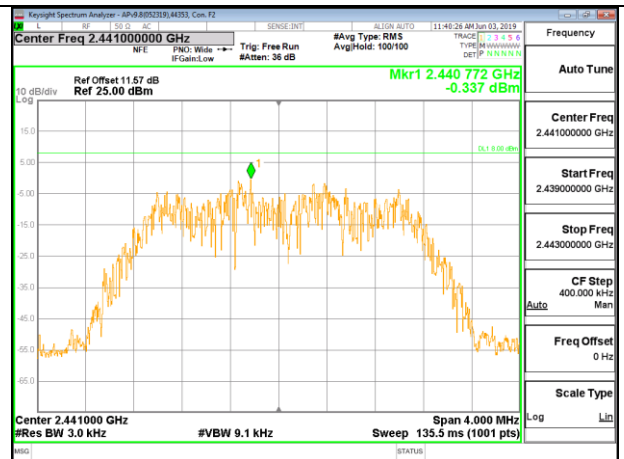
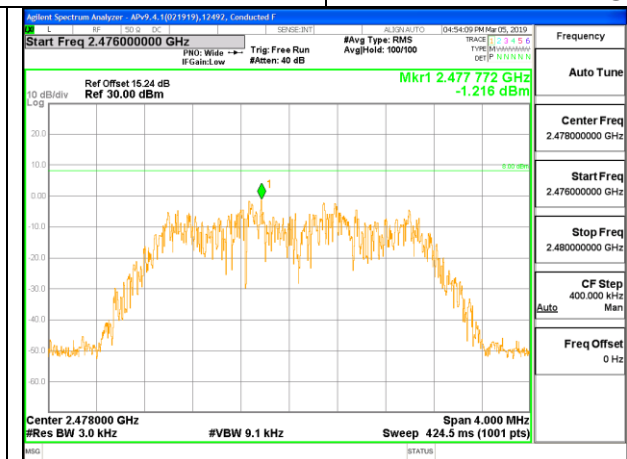
8.6.1. HIGH POWER HDR (HDR4)**Antenna 2**

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	0.64	8	-7.36
Middle	2441	0.63	8	-7.37
High	2478	0.25	8	-7.75

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

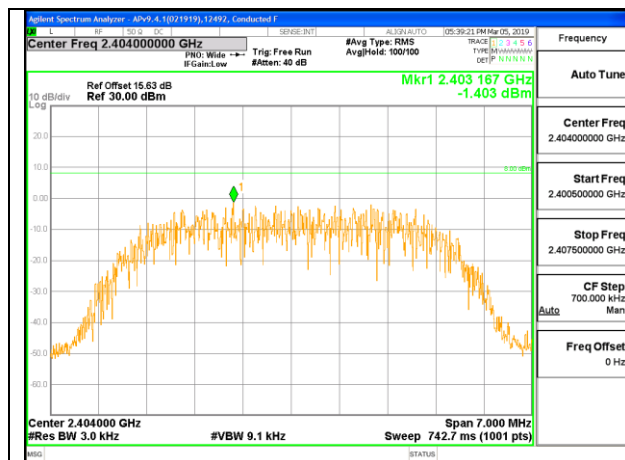
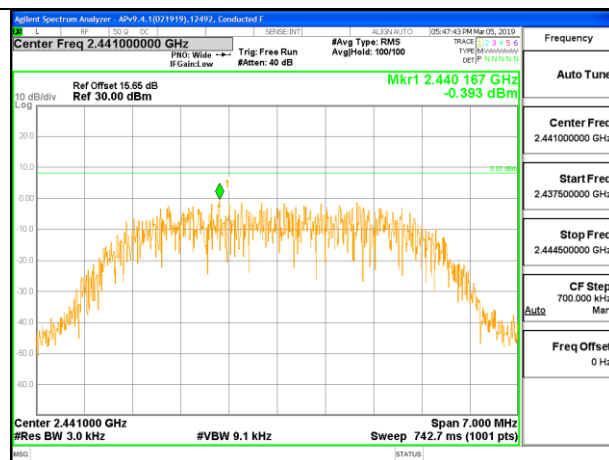
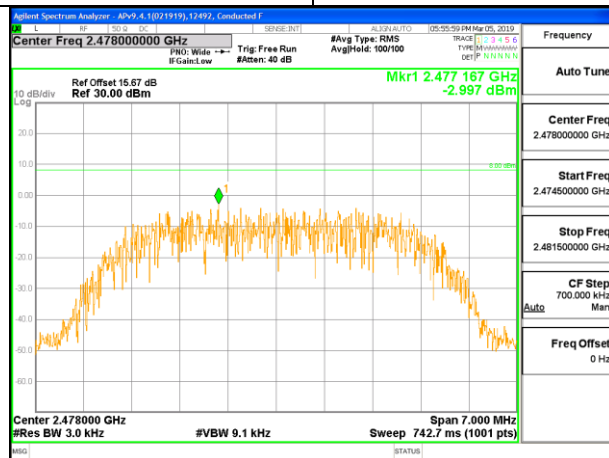
Antenna 5

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	0.06	8	-7.94
Middle	2441	-0.34	8	-8.34
High	2478	-1.22	8	-9.22

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

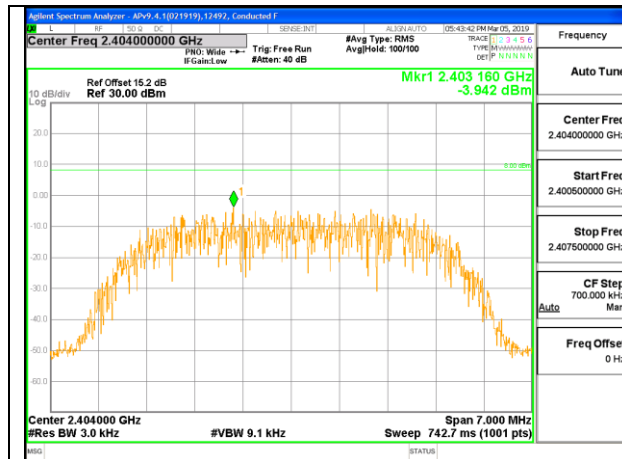
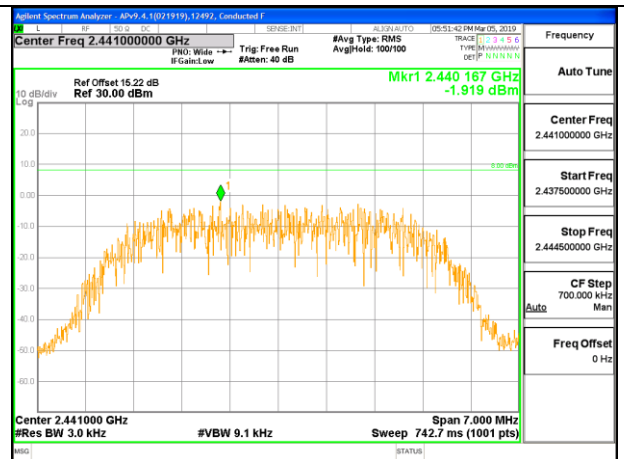
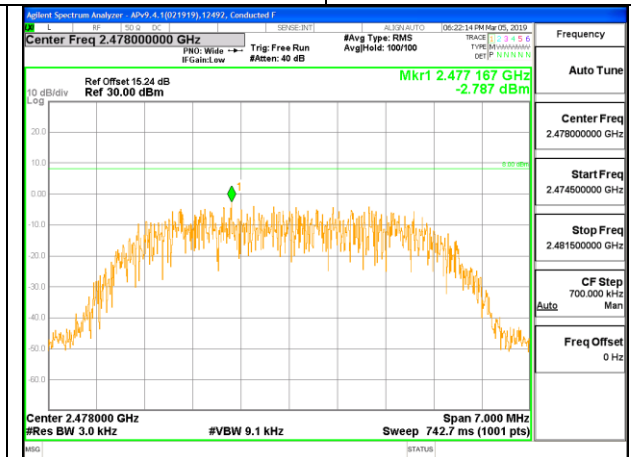
8.6.2. HIGH POWER HDR (HDR8)**Antenna 2**

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-1.40	8	-9.40
Middle	2441	-0.39	8	-8.39
High	2478	-3.00	8	-11.00

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

Antenna 5

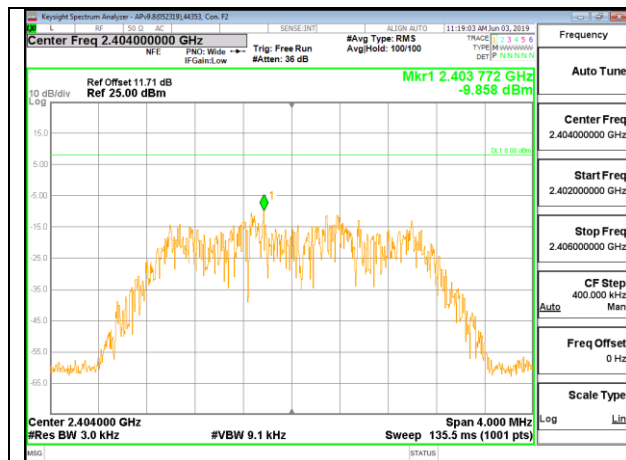
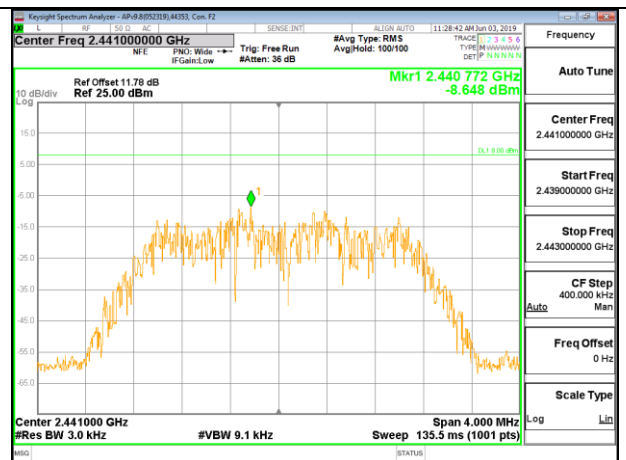
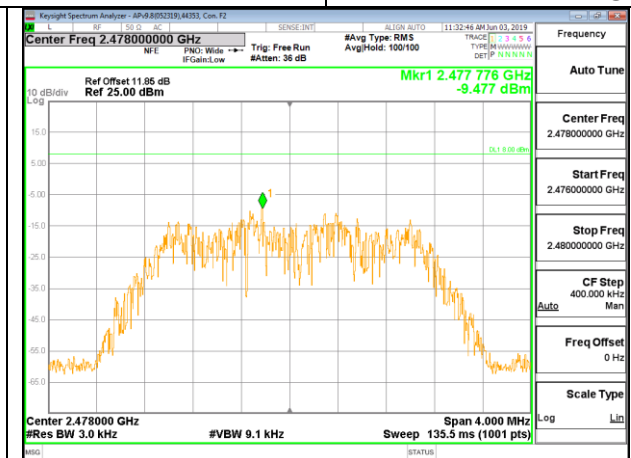
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-3.94	8	-11.94
Middle	2441	-1.92	8	-9.92
High	2478	-2.79	8	-10.79

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

8.6.3. LOW POWER HDR (HDR4)

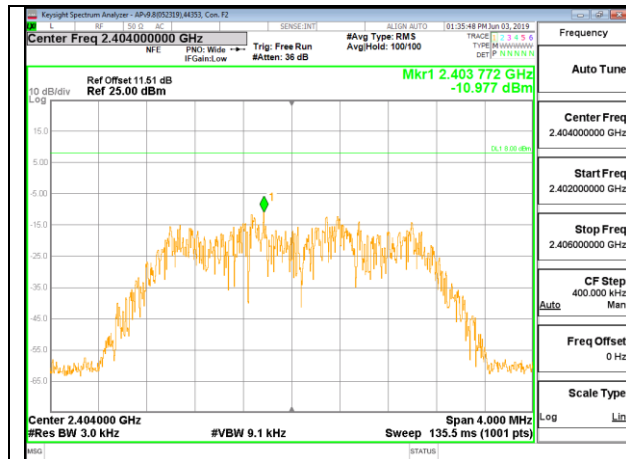
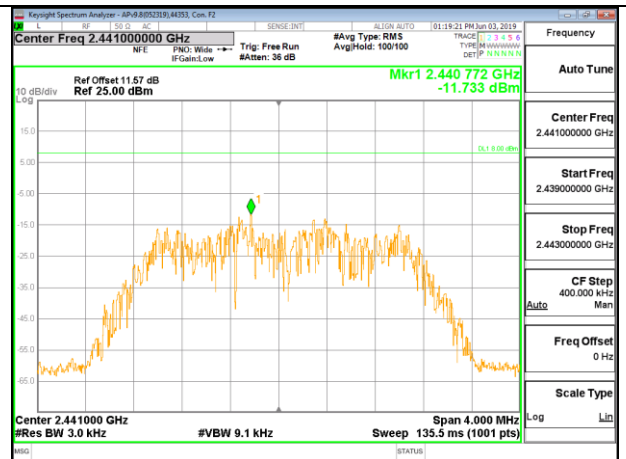
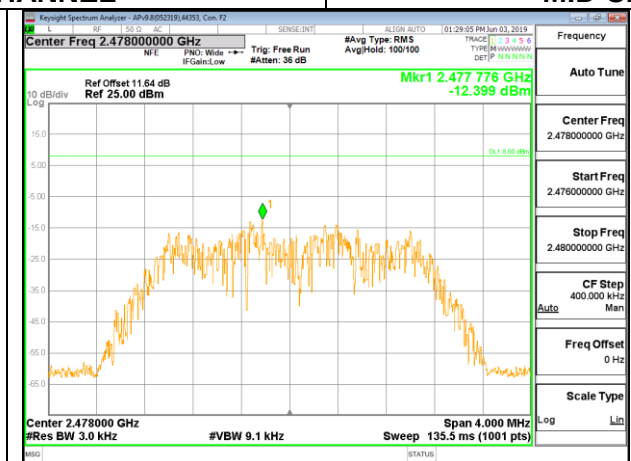
Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-9.96	8	-17.96
Middle	2441	-8.65	8	-16.65
High	2478	-9.48	8	-17.48

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

Antenna 5

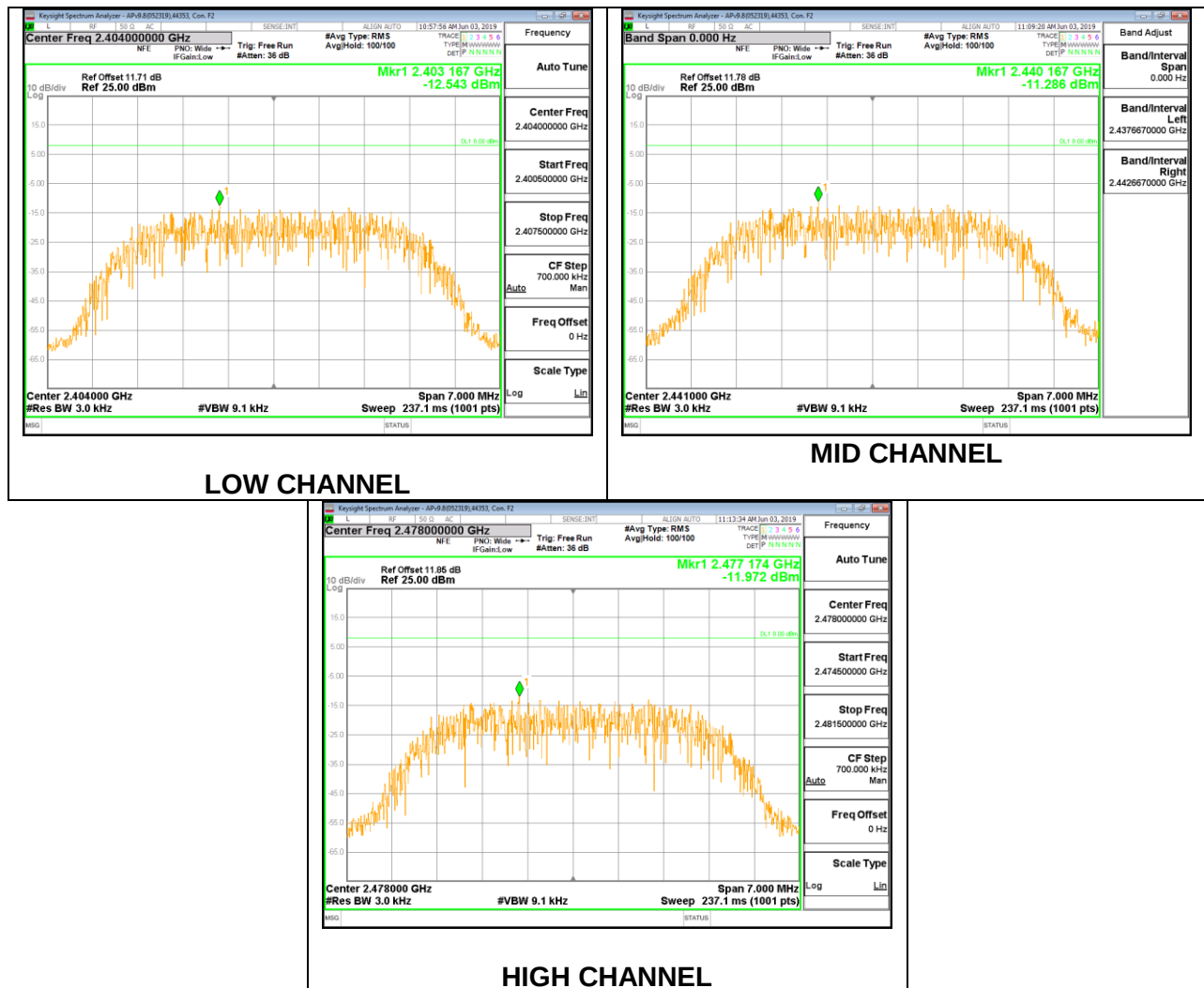
Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-10.98	8	-18.98
Middle	2441	-11.73	8	-19.73
High	2478	-12.40	8	-20.40

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

8.6.4. LOW POWER HDR (HDR8)

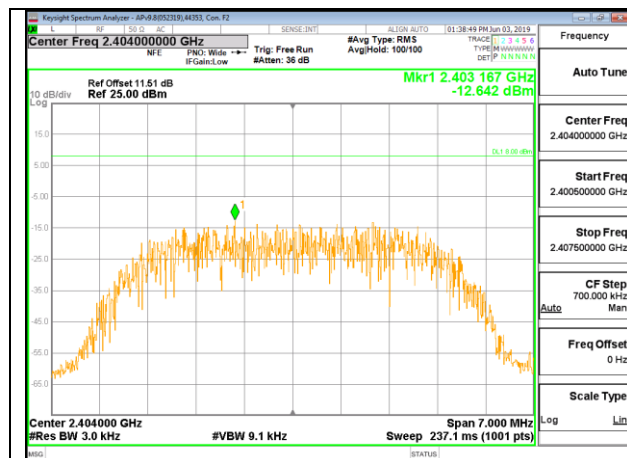
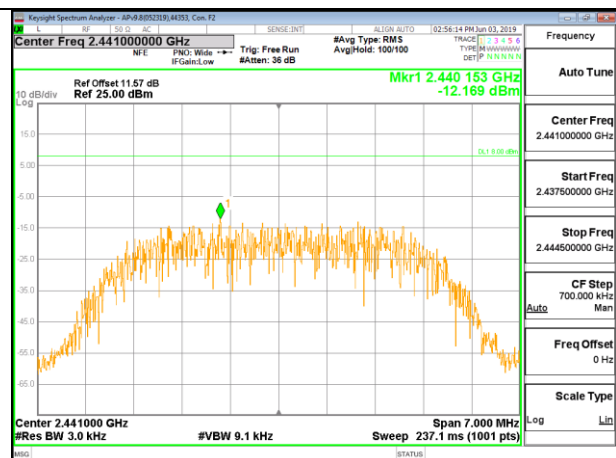
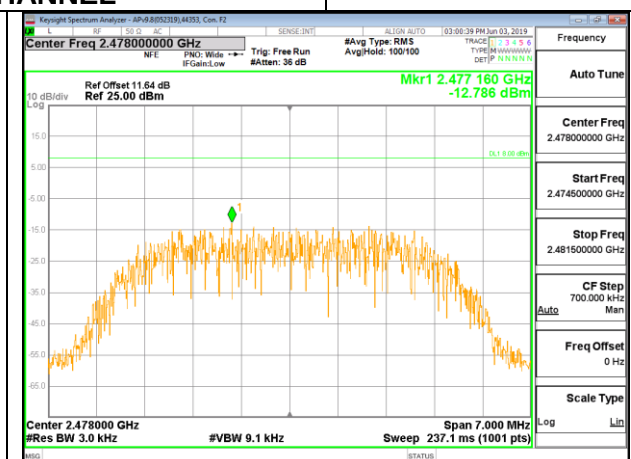
Antenna 2

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-12.54	8	-20.54
Middle	2441	-11.29	8	-19.29
High	2478	-11.97	8	-19.97



Antenna 5

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-12.64	8	-20.64
Middle	2441	-12.17	8	-20.17
High	2478	-12.79	8	-20.79

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

8.7. CONDUCTED SPURIOUS EMISSIONS

LIMITS

FCC §15.247 (d)

RSS-247 5.5

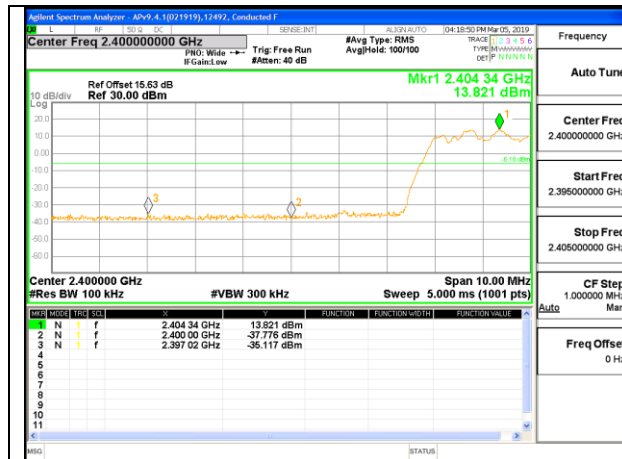
Output power was measured based on the use of a peak measurement, therefore the required attenuation is 20 dB.

Note: Test procedures and setting on beamforming are same as BT HDR normal modes.

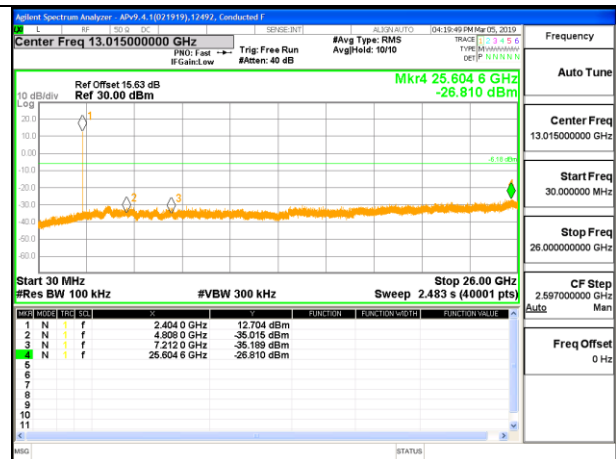
RESULTS

8.7.1. HIGH POWER HDR (HDR4)

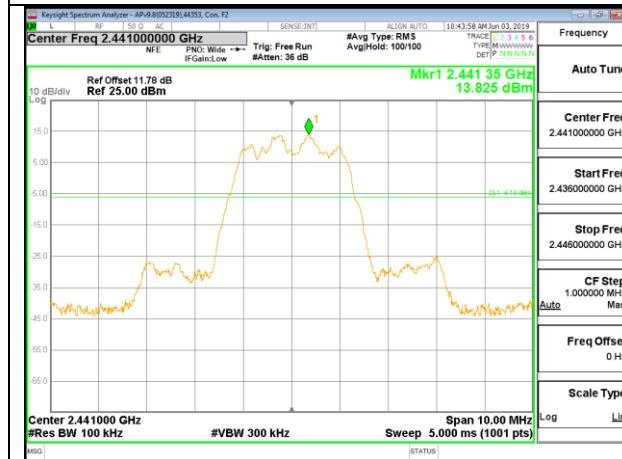
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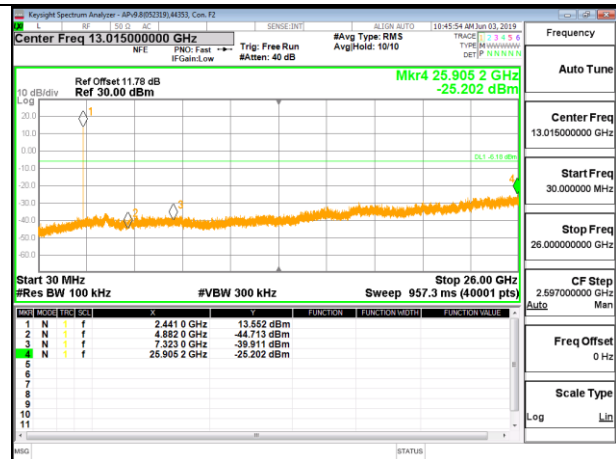
LOW CHANNEL BANDEDGE



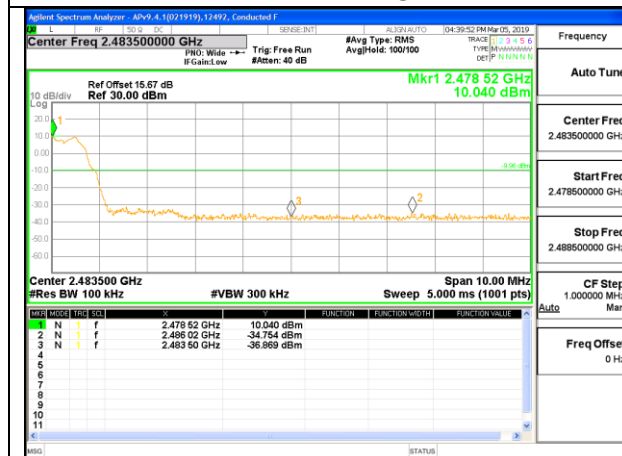
OUT-OF-BAND LOW CHANNEL



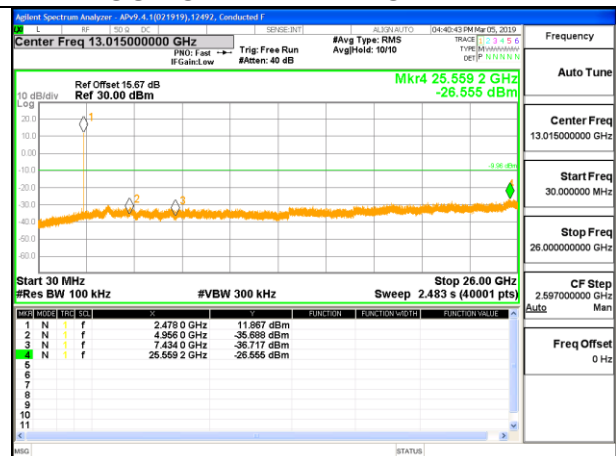
IN-BAND REFERENCE LEVEL



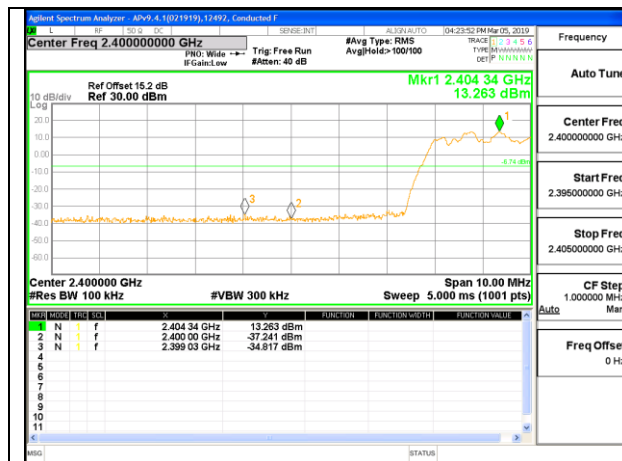
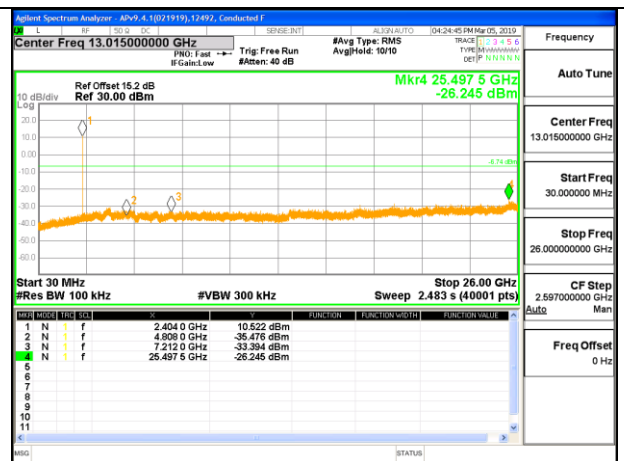
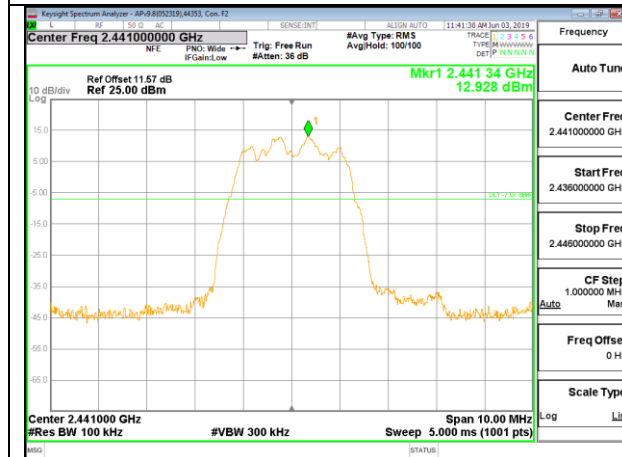
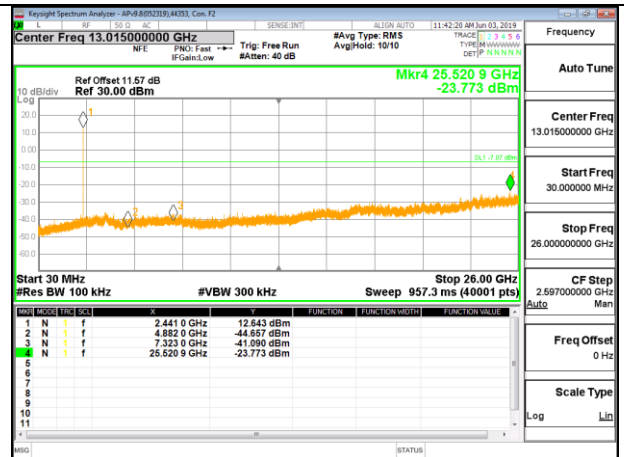
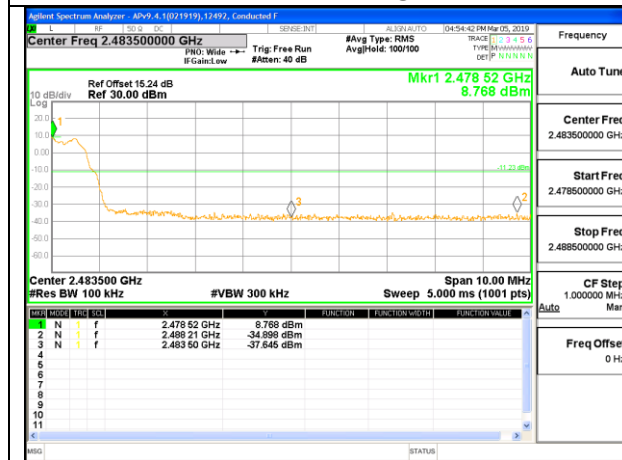
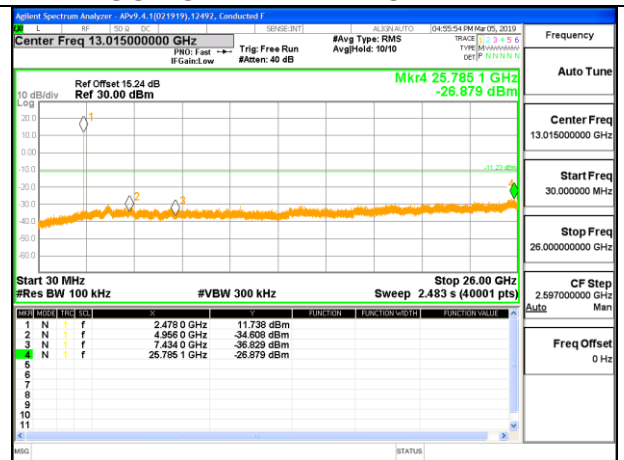
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE

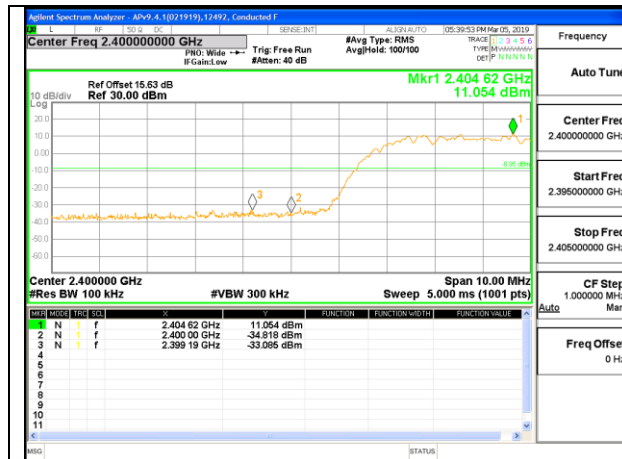


OUT-OF-BAND HIGH CHANNEL

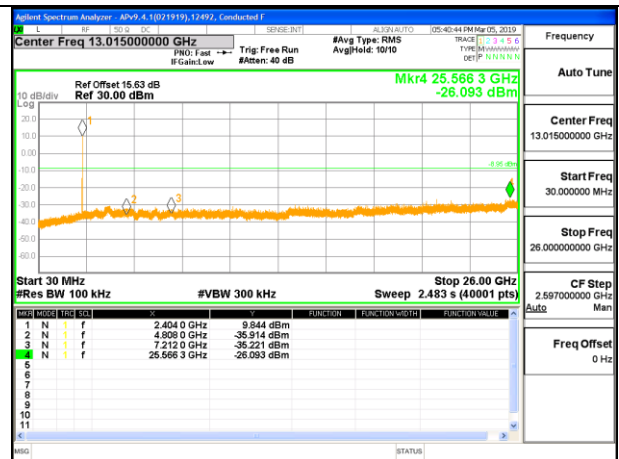
Antenna 5**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

8.7.2. HIGH POWER HDR (HDR8)

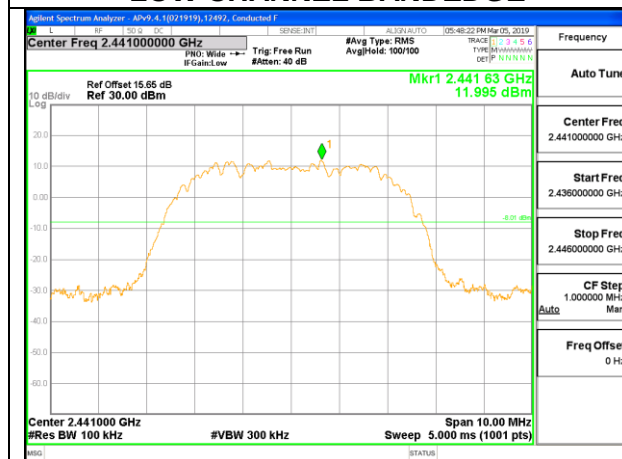
Antenna 2



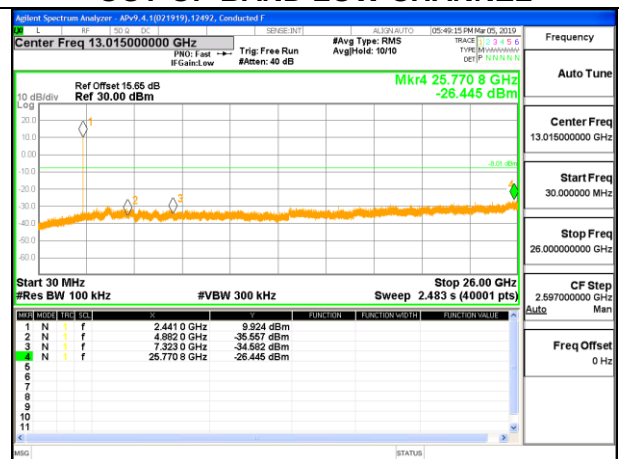
LOW CHANNEL BANDEDGE



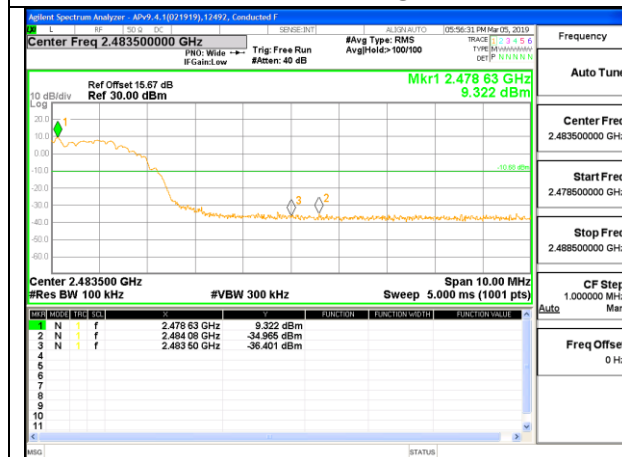
OUT-OF-BAND LOW CHANNEL



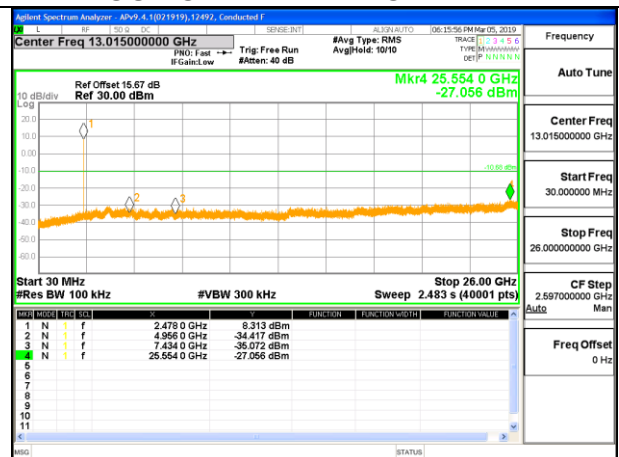
IN-BAND REFERENCE LEVEL



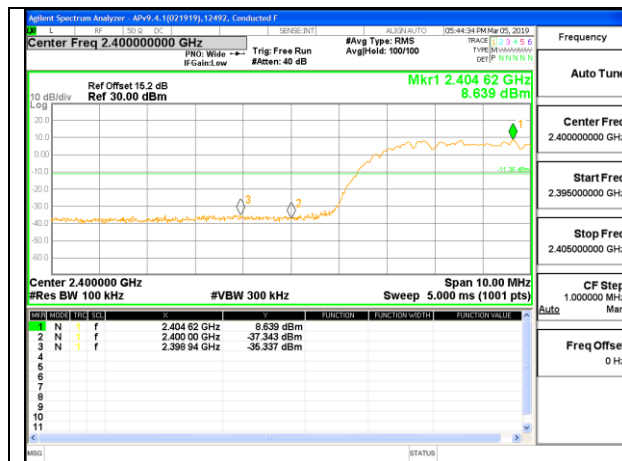
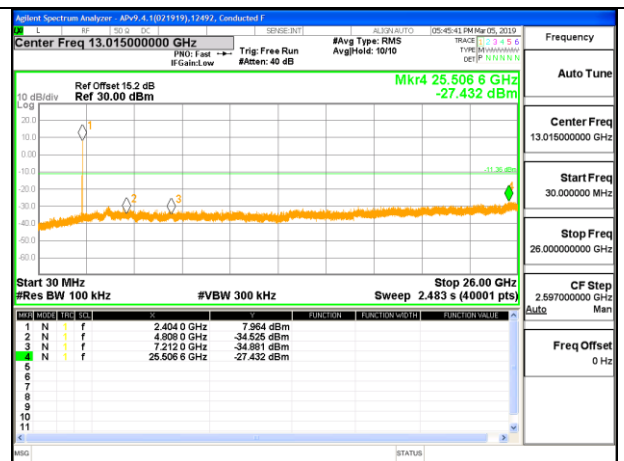
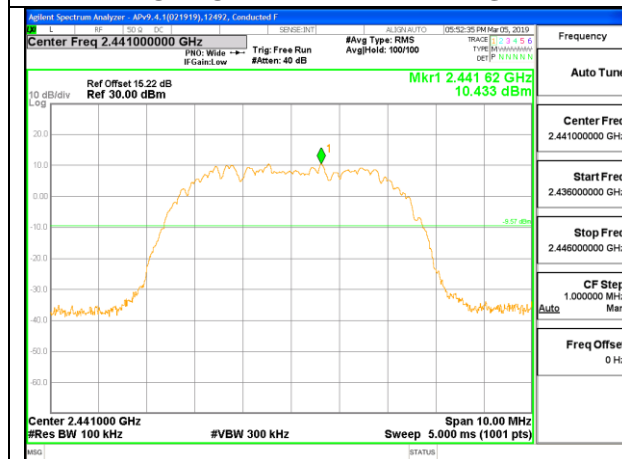
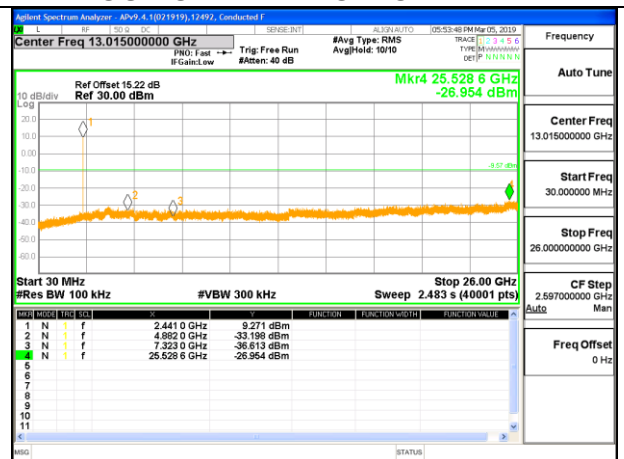
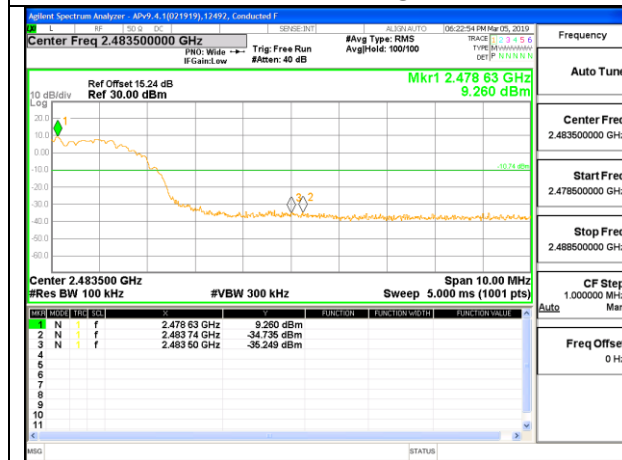
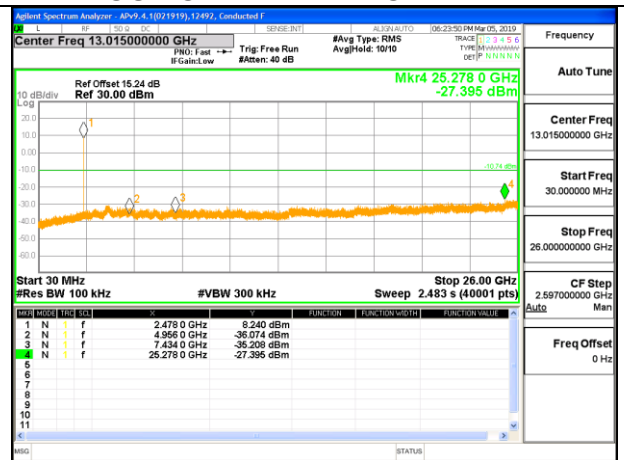
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



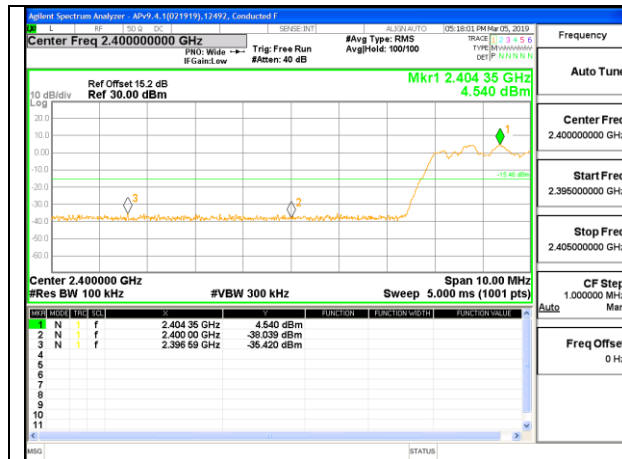
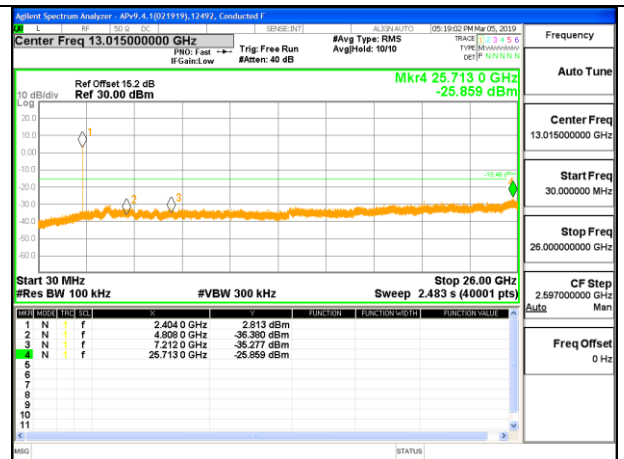
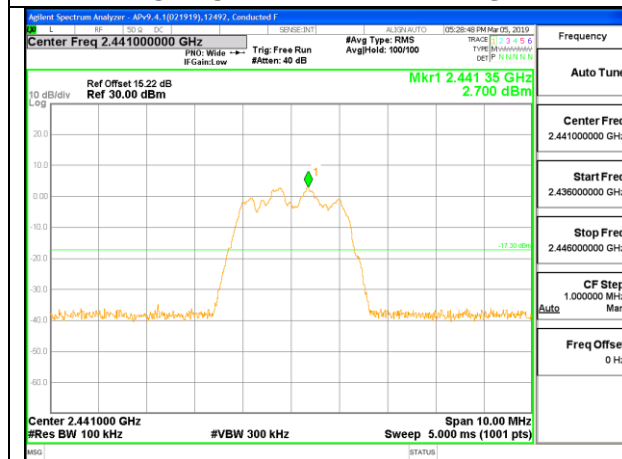
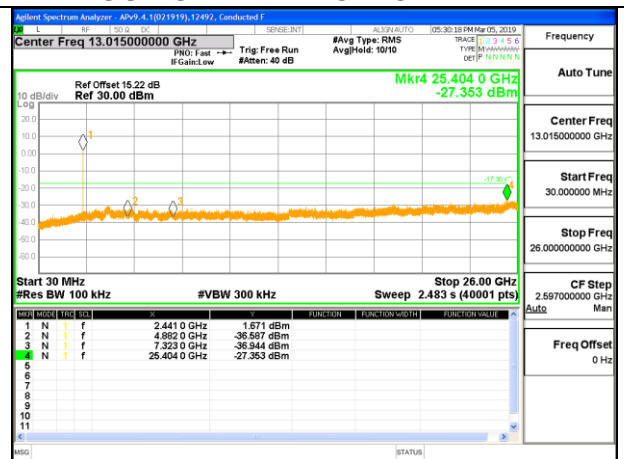
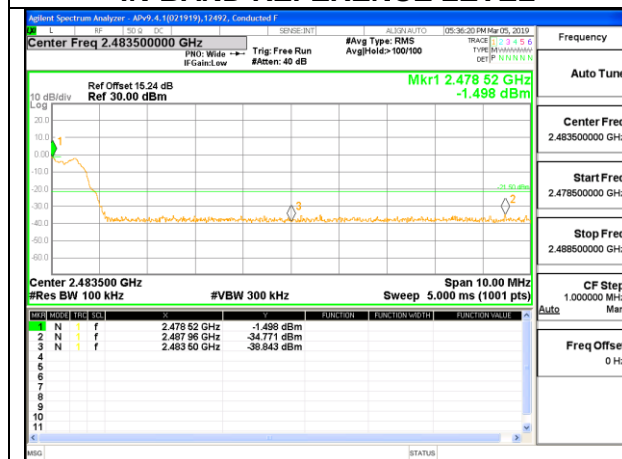
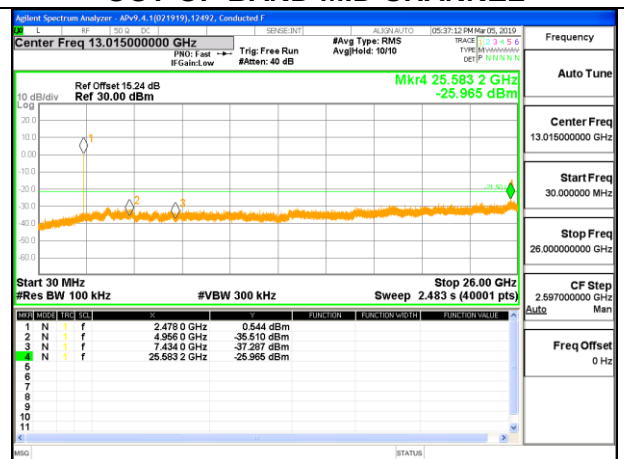
OUT-OF-BAND HIGH CHANNEL

Antenna 5**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

8.7.3. LOW POWER HDR (HDR4)

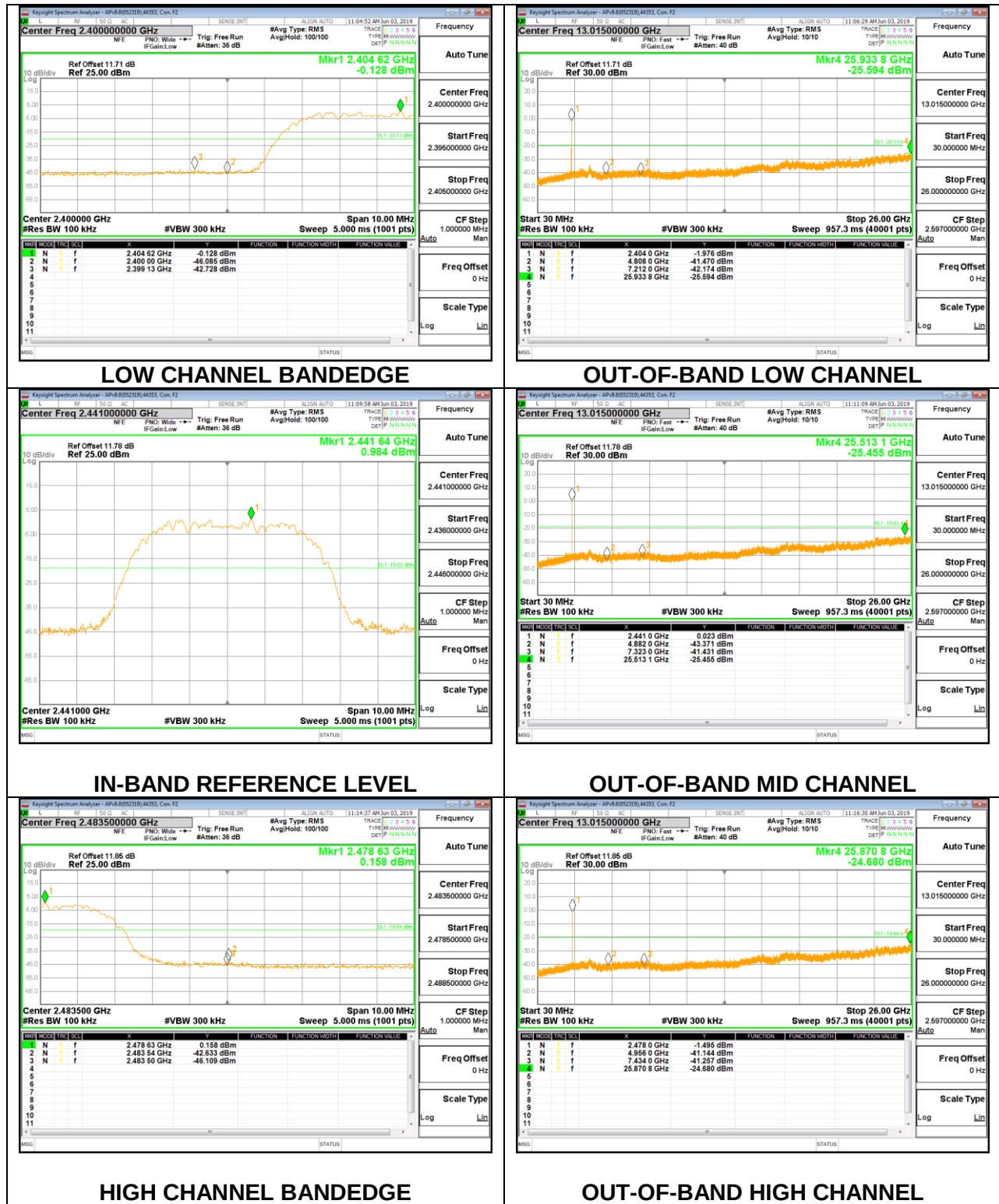
Antenna 2

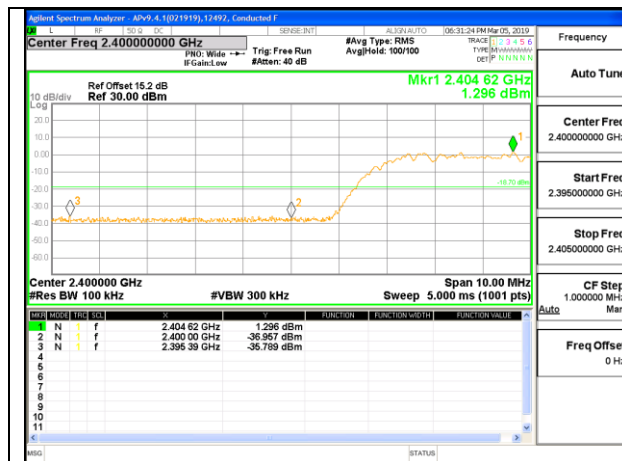
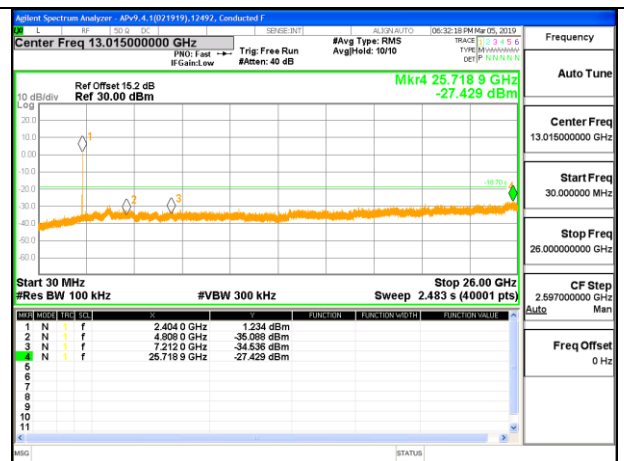
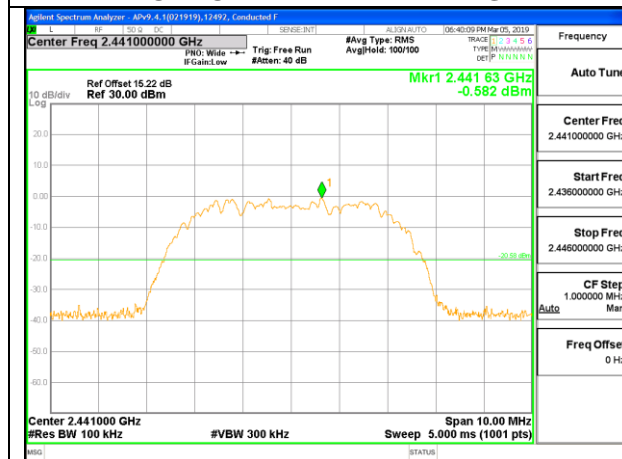
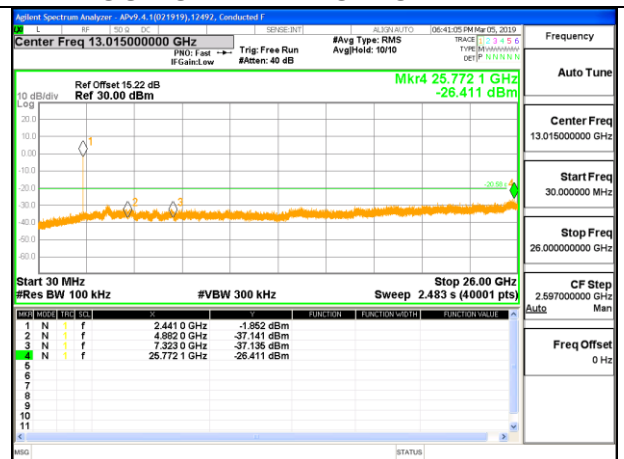
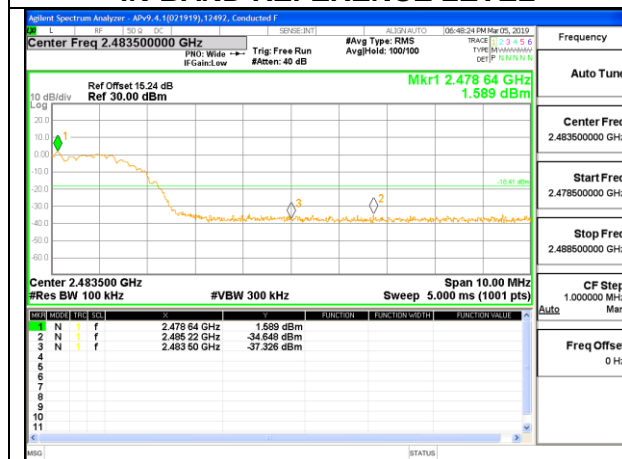
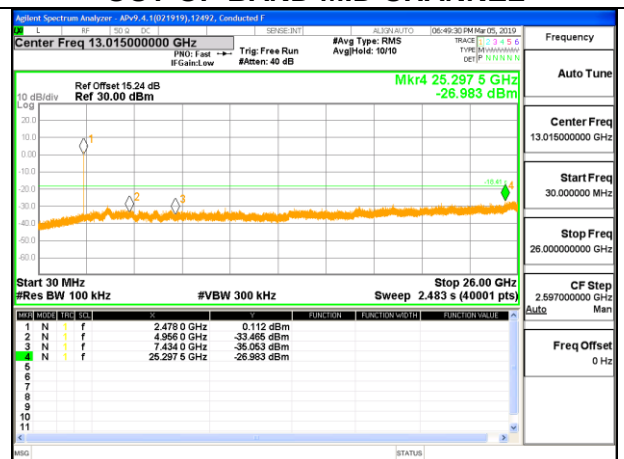


Antenna 5**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**

8.7.4. LOW POWER HDR (HDR8)

Antenna 2



Antenna 5**LOW CHANNEL BANDEDGE****OUT-OF-BAND LOW CHANNEL****IN-BAND REFERENCE LEVEL****OUT-OF-BAND MID CHANNEL****HIGH CHANNEL BANDEDGE****OUT-OF-BAND HIGH CHANNEL**