

OUTPUT POWER



XMIT 2020.03.25.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E4422B	TGQ	15-Mar-18	15-Mar-21
Block - DC	Fairview Microwave	SD3379	AMI	6-Aug-19	6-Aug-20
Attenuator	S.M. Electronics	SA26B-20	RFW	10-Feb-20	10-Feb-21
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	15-Sep-19	15-Sep-20
Analyzer - Spectrum Analyzer	Keysight	N9010A (EXA)	AFQ	21-Dec-19	21-Dec-20

TEST DESCRIPTION

The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

Prior to measuring output power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. Both are required to determine the method of measuring Maximum Conducted Output Power. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The method AVGSA-2 in section 11.9.2.2.4 of ANSI C63.10:2013 was used to make the measurement. This method uses trace averaging across ON and OFF times of the EUT transmissions in the spectrum analyzer channel power function using an RMS detector. Following the measurement a duty cycle correction was applied by adding $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

OUTPUT POWER



TWTx 2019.08.30.0 XMR 2020.03.25.0

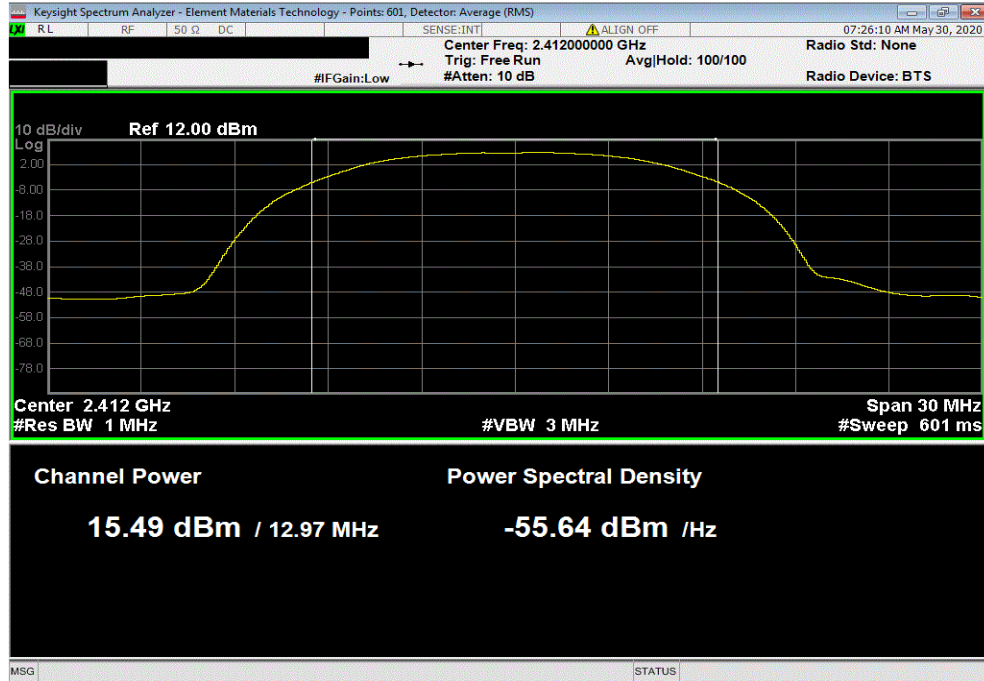
EUT: New Telemetry Cable		Work Order: INSP0011	
Serial Number: P000026		Date: 1-Jun-20	
Customer: Inspire Medical Systems		Temperature: 24.6 °C	
Attendees: Darrell Wagner		Humidity: 51% RH	
Project: None		Barometric Pres.: 1012 mbar	
Tested by: Andrew Rogstad		Power: 120VAC/60Hz	
		Job Site: MN08	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2020		ANSI C63.10:2013	
COMMENTS			
Reference level offset includes measurement cable, DC block, and 20 dB attenuator.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature <i>Andrew Rogstad</i>	
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)
		Out Pwr (dBm)	Limit (dBm)
			Result
20 MHz Bandwidth			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	15.486	0
	Mid Channel 6, 2437 MHz	15.343	0
	High Channel 11, 2462 MHz	15.54	0
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	15.7	0
	Mid Channel 6, 2437 MHz	15.374	0
	High Channel 11, 2462 MHz	15.547	0
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	14.414	0
	Mid Channel 6, 2437 MHz	14.36	0
	High Channel 11, 2462 MHz	14.613	0
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	12.279	0
	Mid Channel 6, 2437 MHz	12.092	0
	High Channel 11, 2462 MHz	12.096	0
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	10.297	0
	Mid Channel 6, 2437 MHz	10.069	0
	High Channel 11, 2462 MHz	10.046	0
802.11(n) MCS0			
	Low Channel 1, 2412 MHz	14.398	0
	Mid Channel 6, 2437 MHz	14.252	0
	High Channel 11, 2462 MHz	14.279	0
802.11(n) MCS7			
	Low Channel 1, 2412 MHz	9.176	0
	Mid Channel 6, 2437 MHz	9.113	0
	High Channel 11, 2462 MHz	9.396	0
40 MHz Bandwidth			
802.11(n) MCS0			
	Low Channel 1/5, 2422 MHz	15.103	0
	Mid Channel 4/8, 2437 MHz	14.521	0
	High Channel 7/11, 2452 MHz	14.91	0
802.11(n) MCS7			
	Low Channel 1/5, 2422 MHz	9.518	0
	Mid Channel 4/8, 2437 MHz	9.326	0
	High Channel 7/11, 2452 MHz	9.333	0

OUTPUT POWER

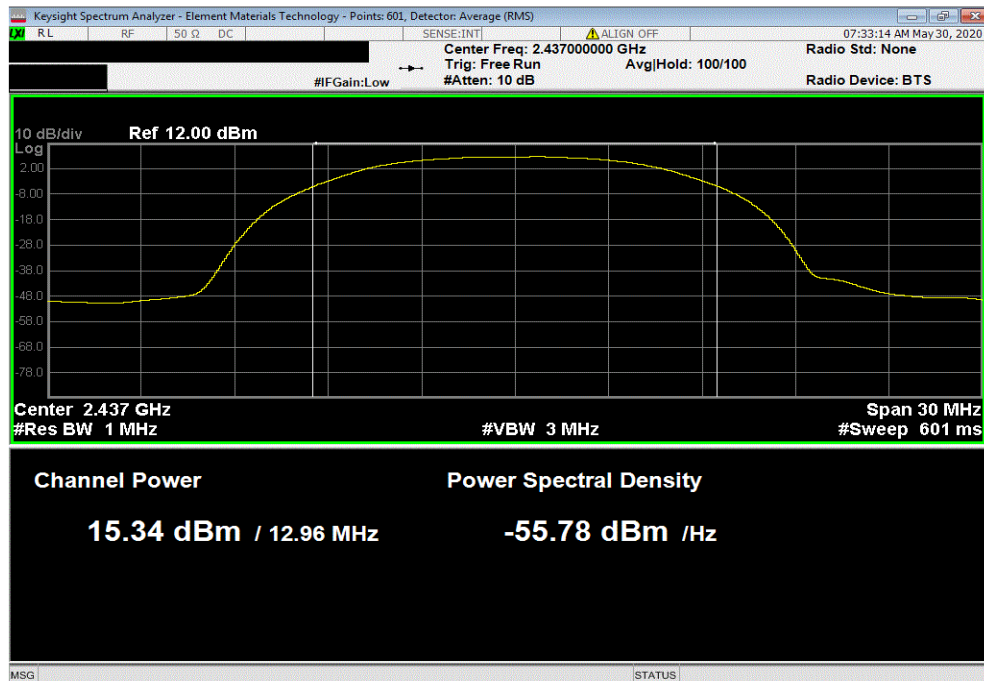


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.486	0	15.5	30	Pass	



20 MHz Bandwidth, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.343	0	15.3	30	Pass	

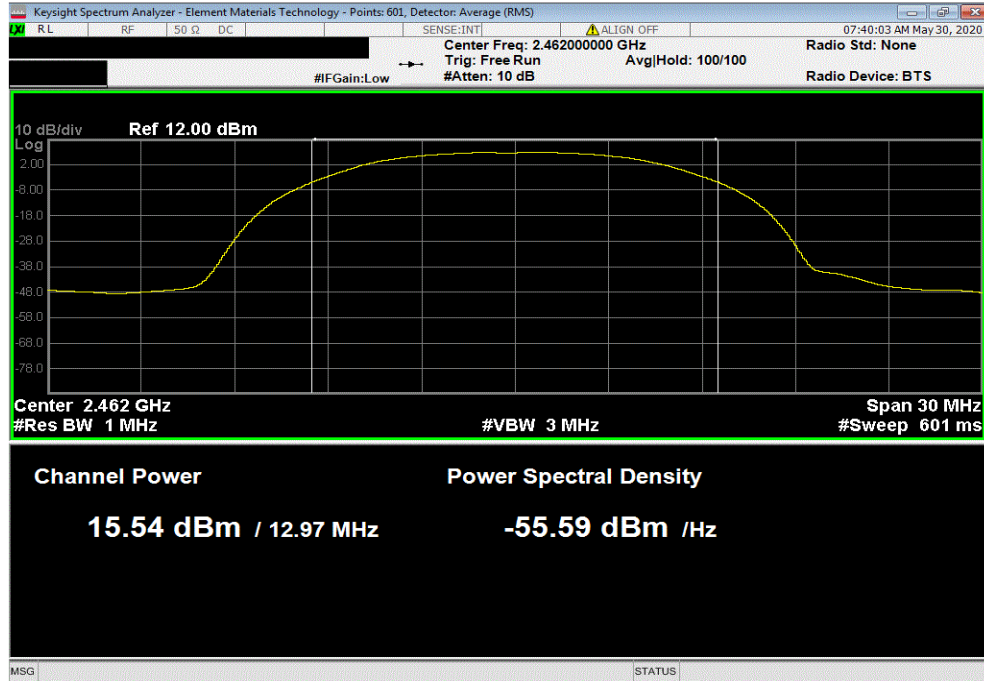


OUTPUT POWER

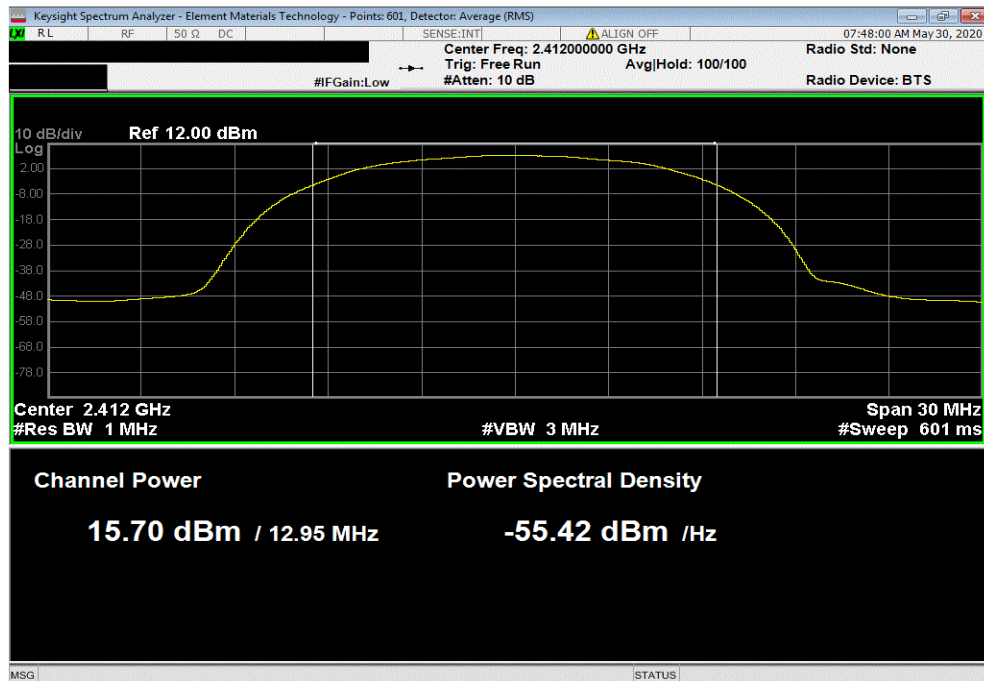


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.54	0	15.5	30	Pass	



20 MHz Bandwidth, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.7	0	15.7	30	Pass	

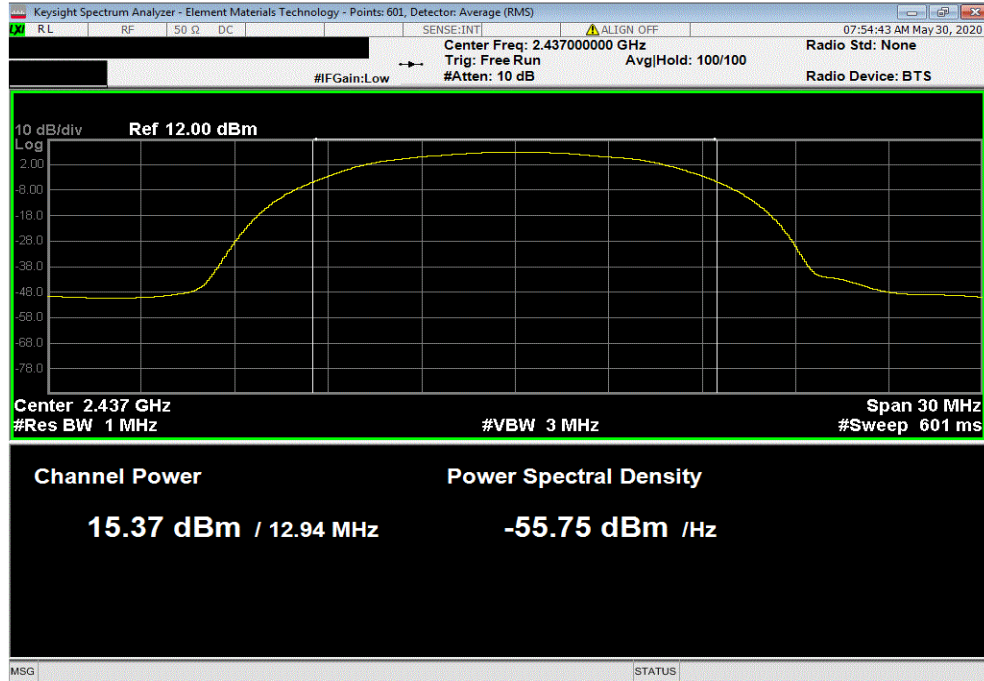


OUTPUT POWER

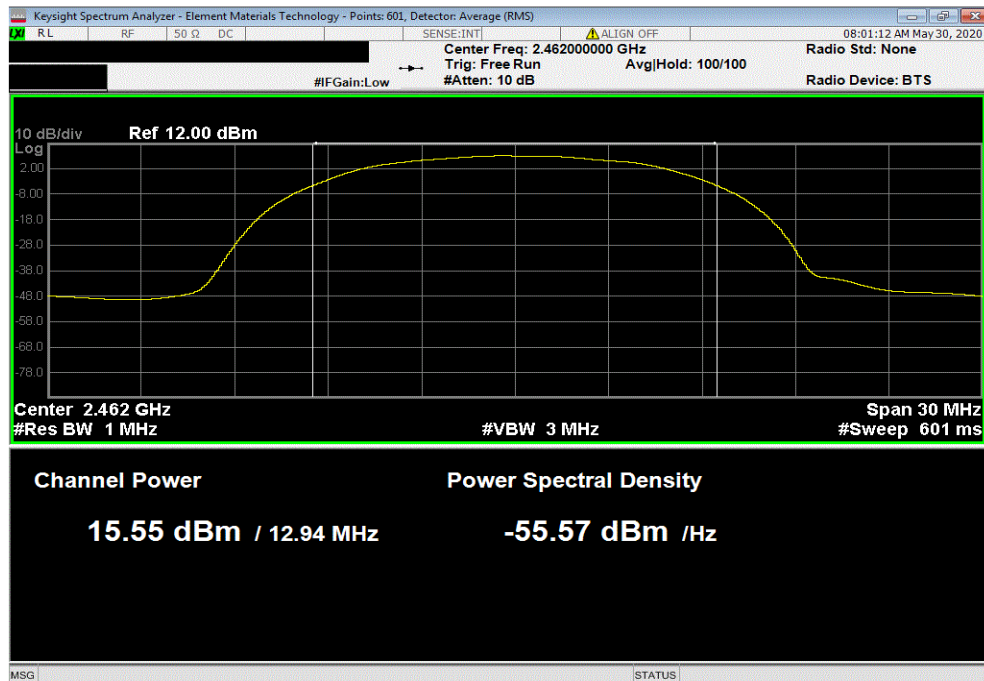


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.374	0	15.4	30	Pass	



20 MHz Bandwidth, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.547	0	15.5	30	Pass	

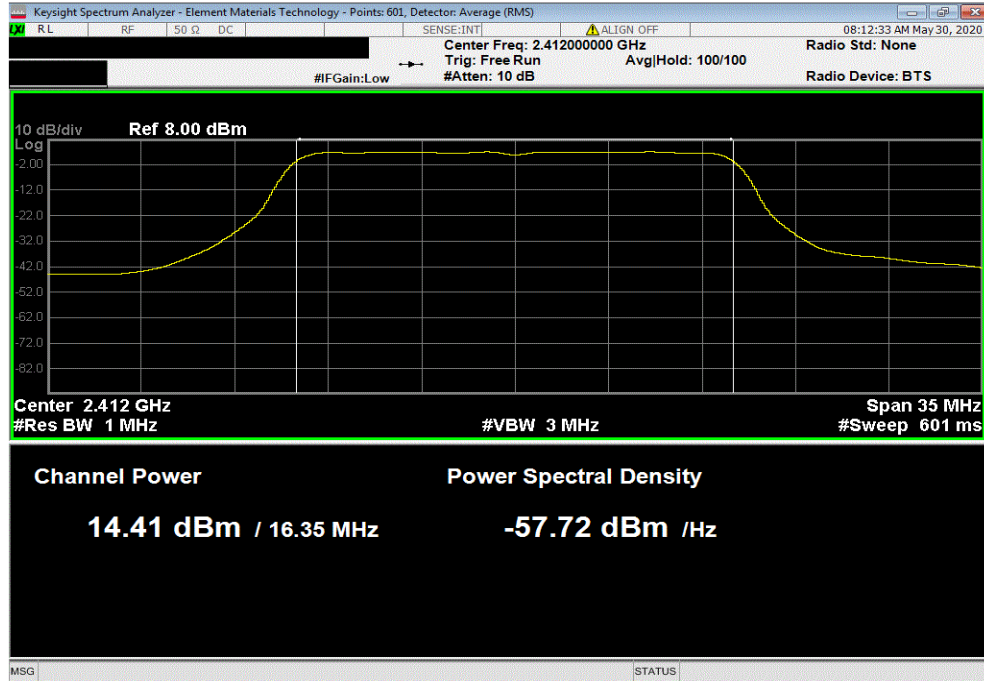


OUTPUT POWER

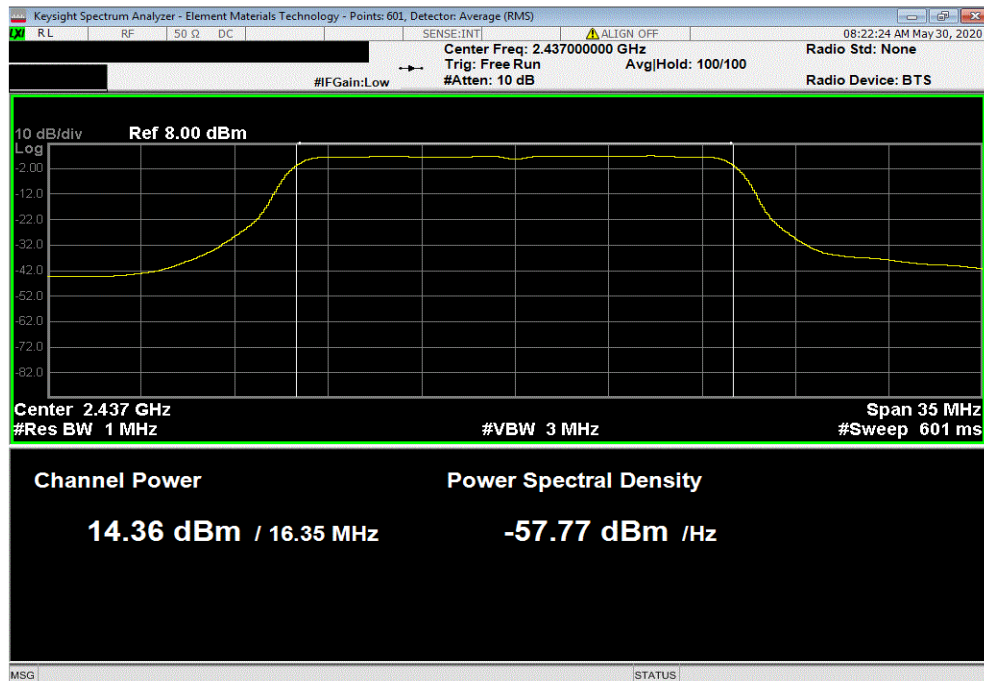


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.414	0	14.4	30	Pass	



20 MHz Bandwidth, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.36	0	14.4	30	Pass	

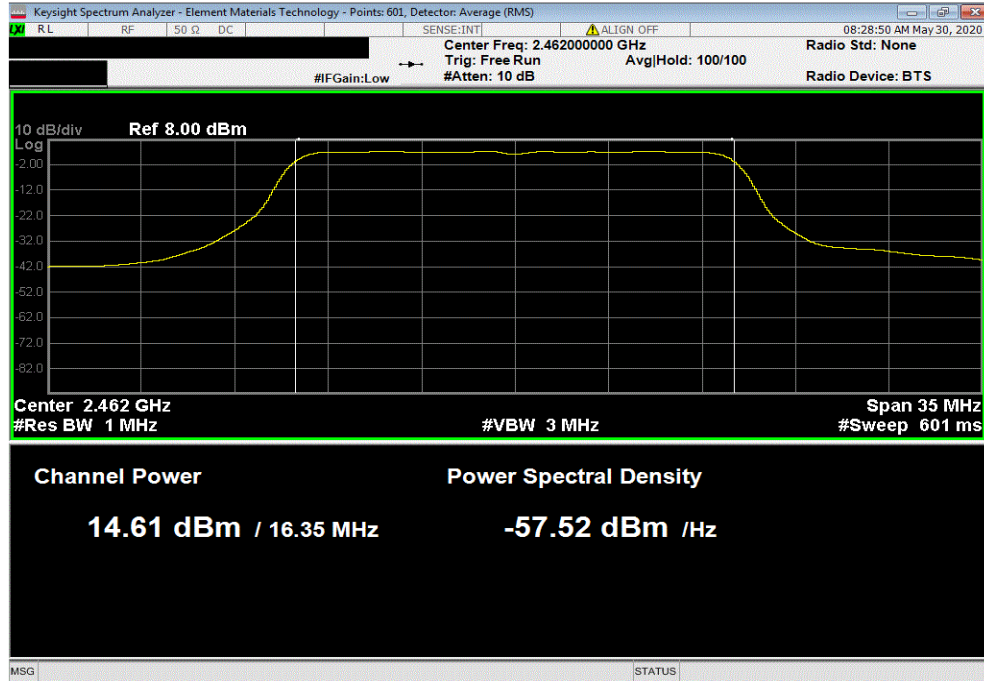


OUTPUT POWER

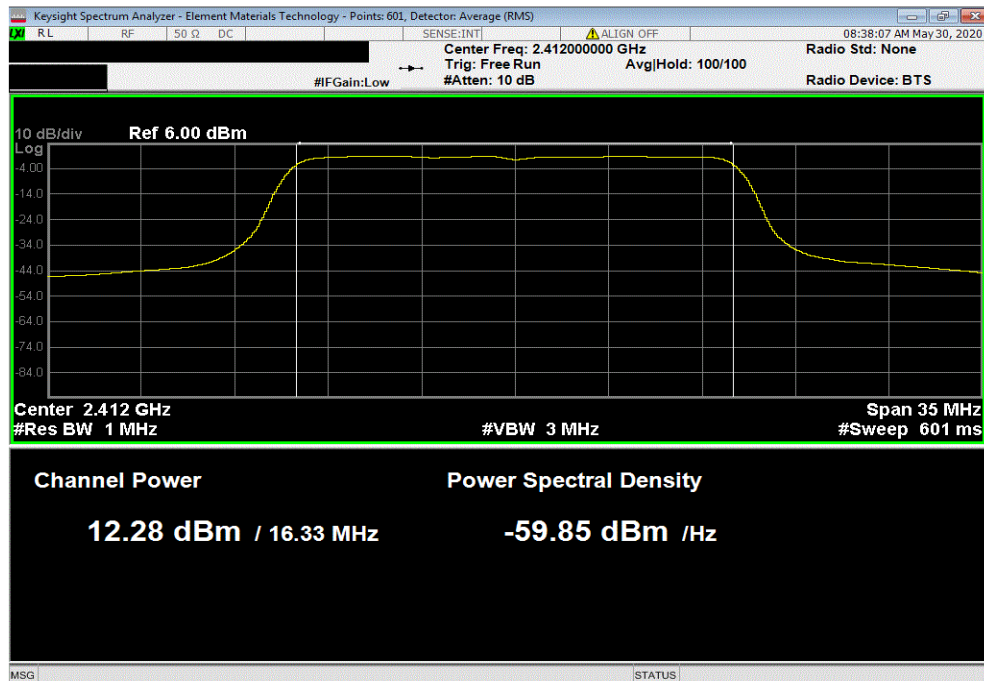


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.613	0	14.6	30	Pass	



20 MHz Bandwidth, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	12.279	0	12.3	30	Pass	

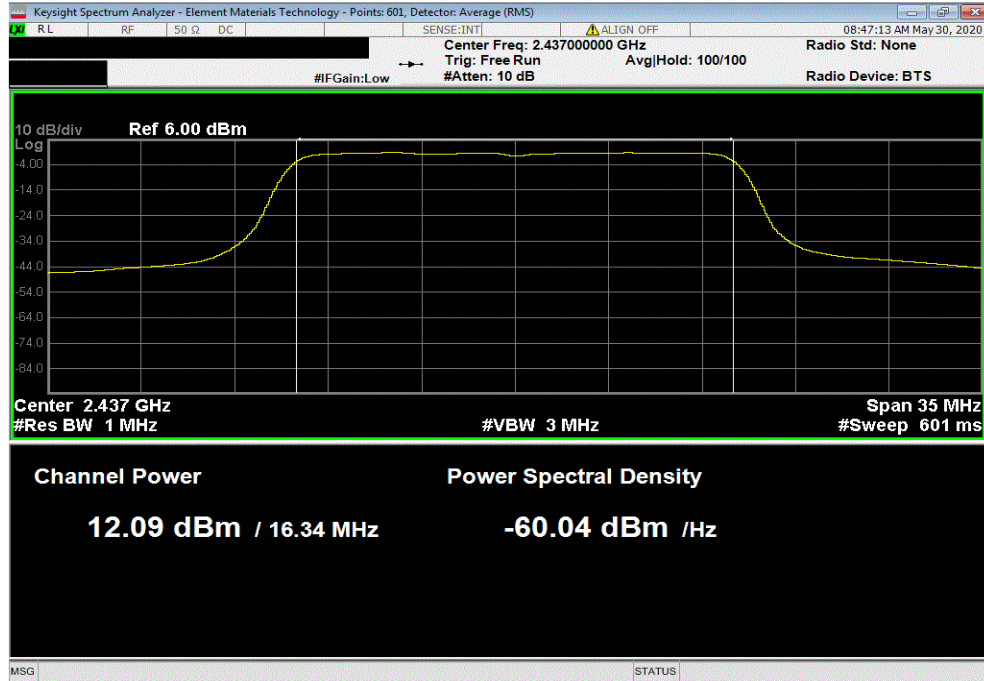


OUTPUT POWER

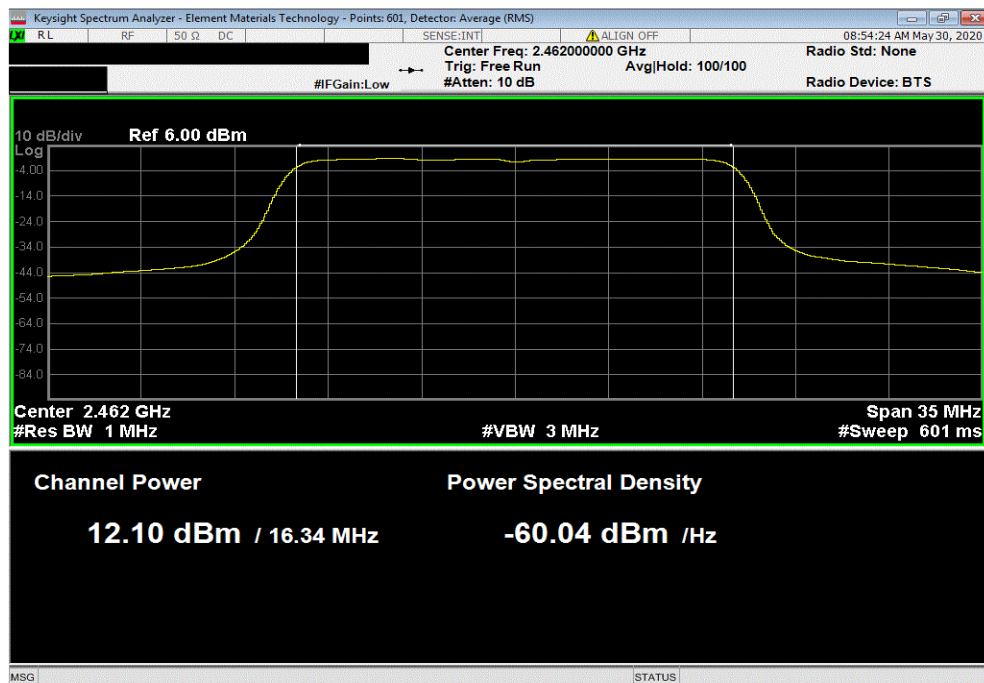


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	12.092	0	12.1	30	Pass	



20 MHz Bandwidth, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	12.096	0	12.1	30	Pass	

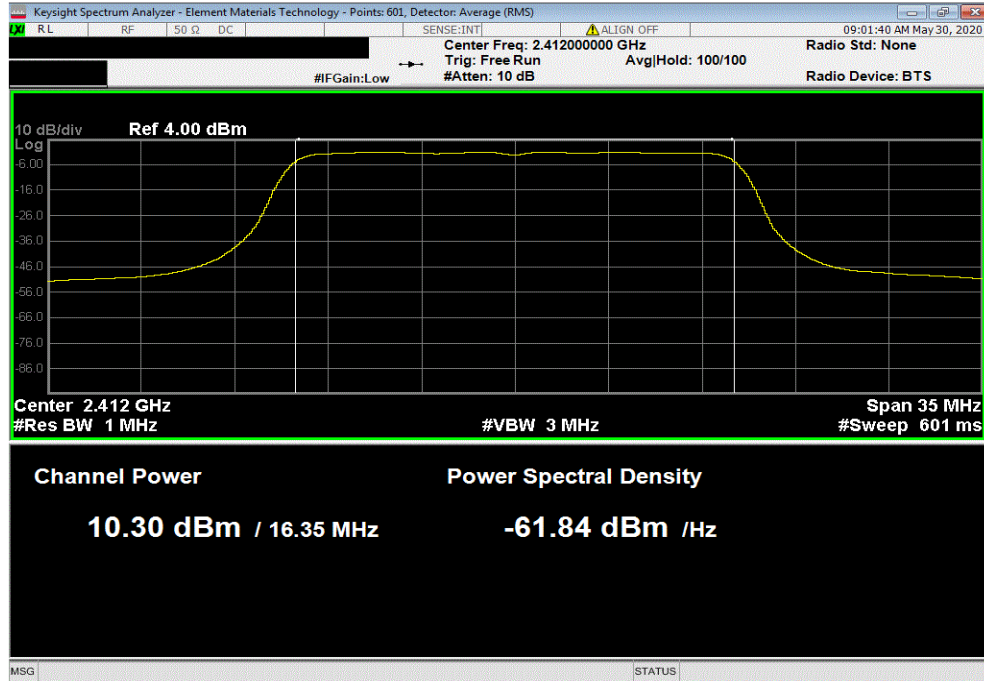


OUTPUT POWER

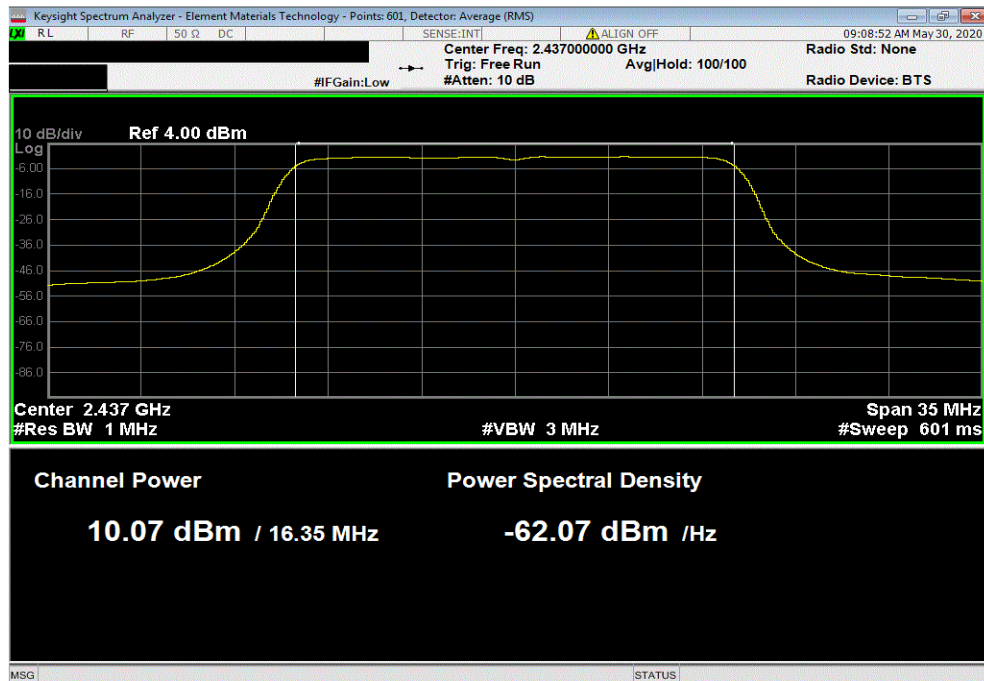


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.297	0	10.3	30	Pass	



20 MHz Bandwidth, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.069	0	10.1	30	Pass	

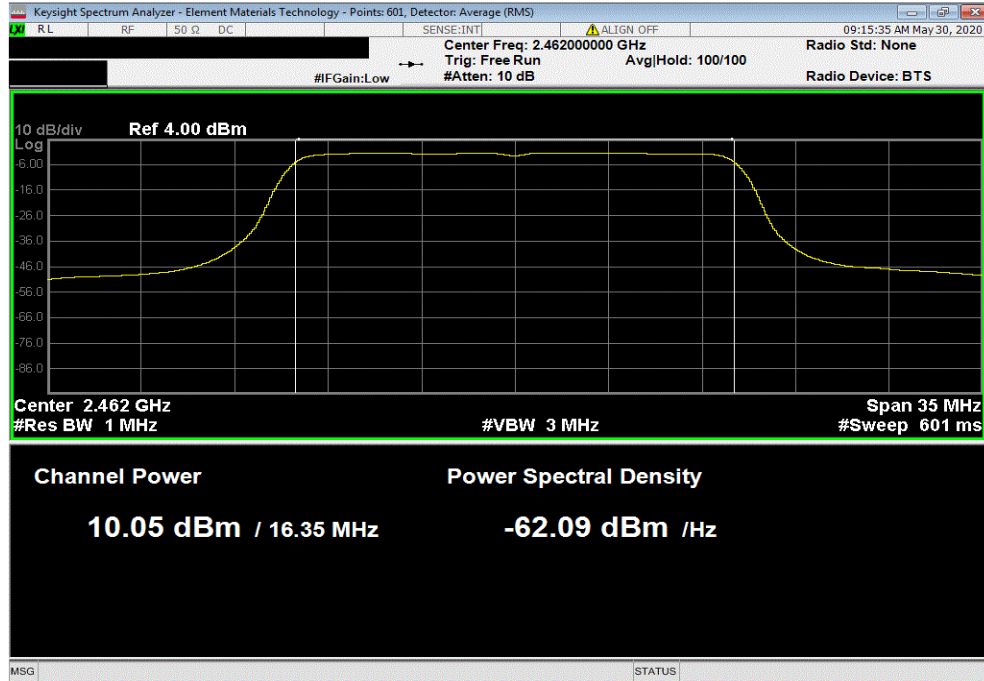


OUTPUT POWER

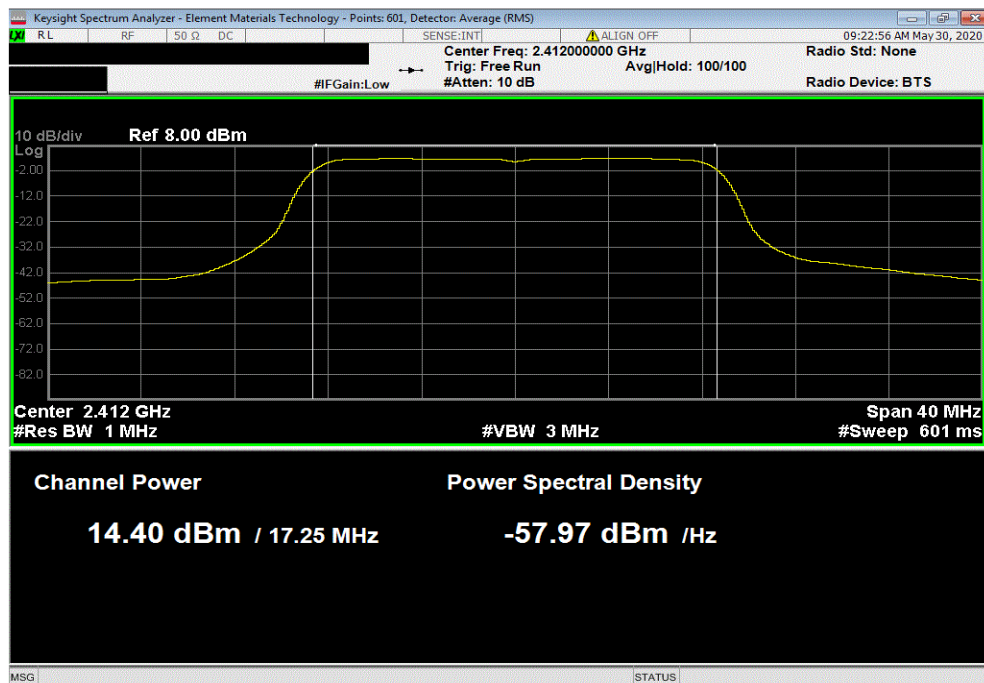


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	10.046	0	10	30	Pass	



20 MHz Bandwidth, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.398	0	14.4	30	Pass	

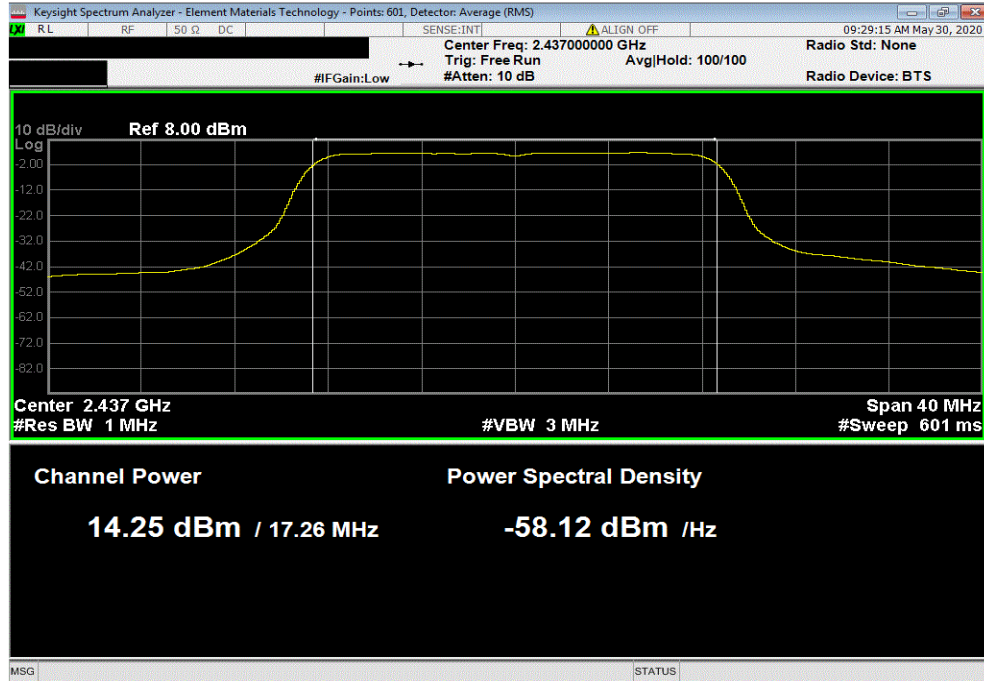


OUTPUT POWER

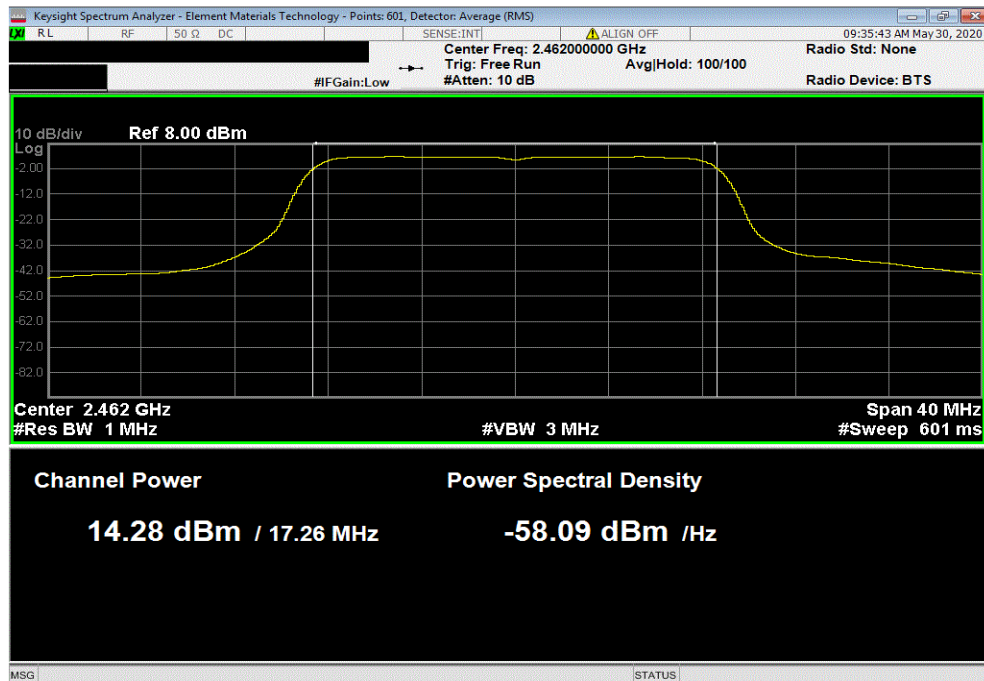


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.252	0	14.3	30	Pass	



20 MHz Bandwidth, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.279	0	14.3	30	Pass	

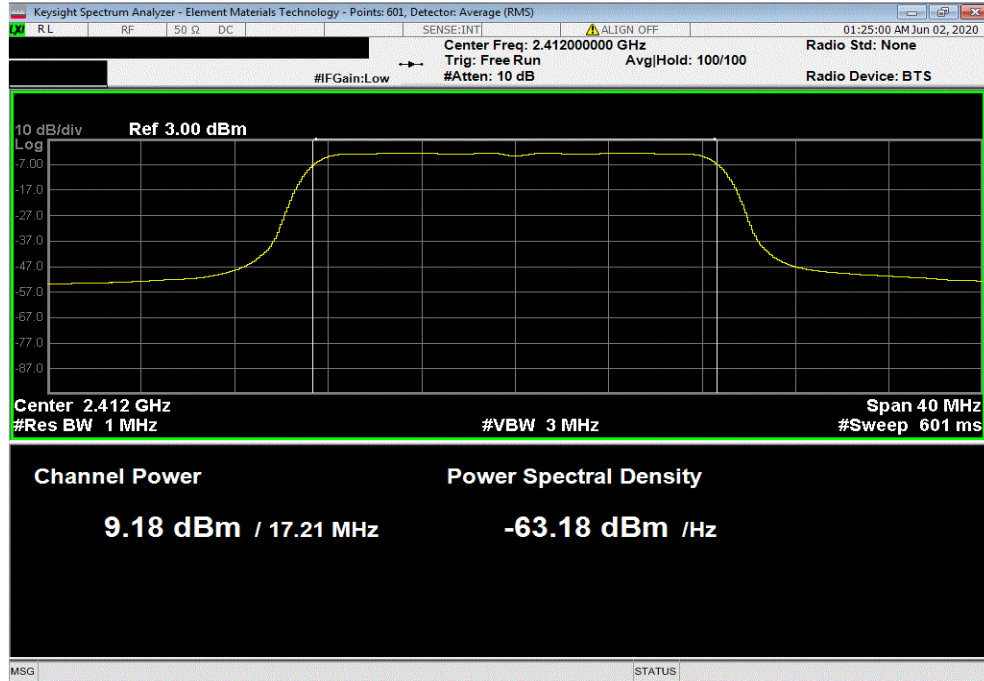


OUTPUT POWER

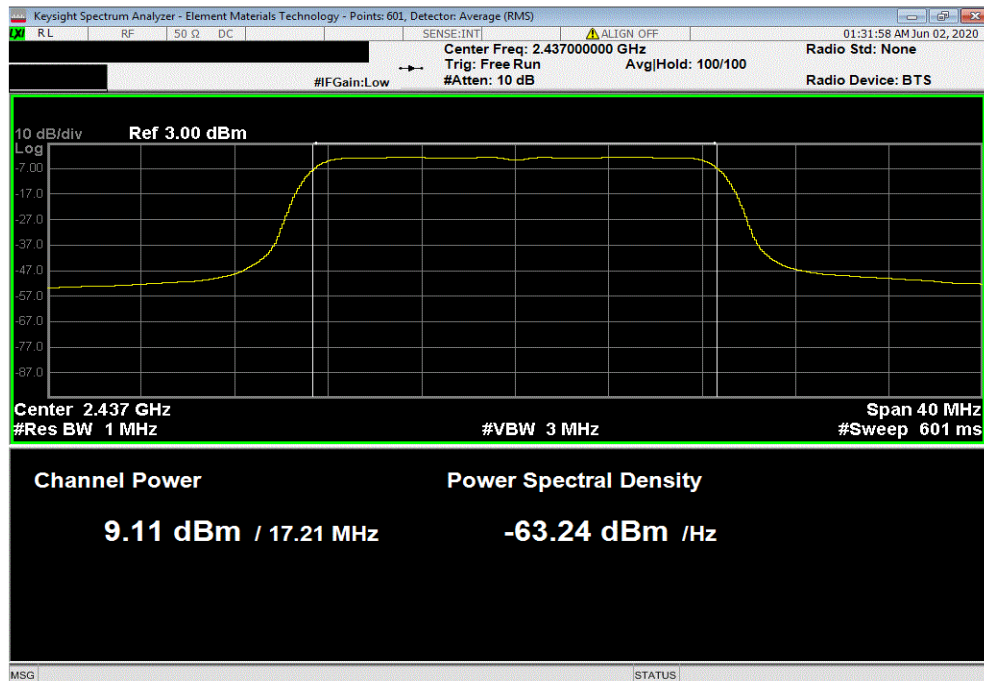


TbTx 2019.08.30.0 XbM 2020.03.25.0

20 MHz Bandwidth, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.176	0	9.2	30	Pass	



20 MHz Bandwidth, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.113	0	9.1	30	Pass	

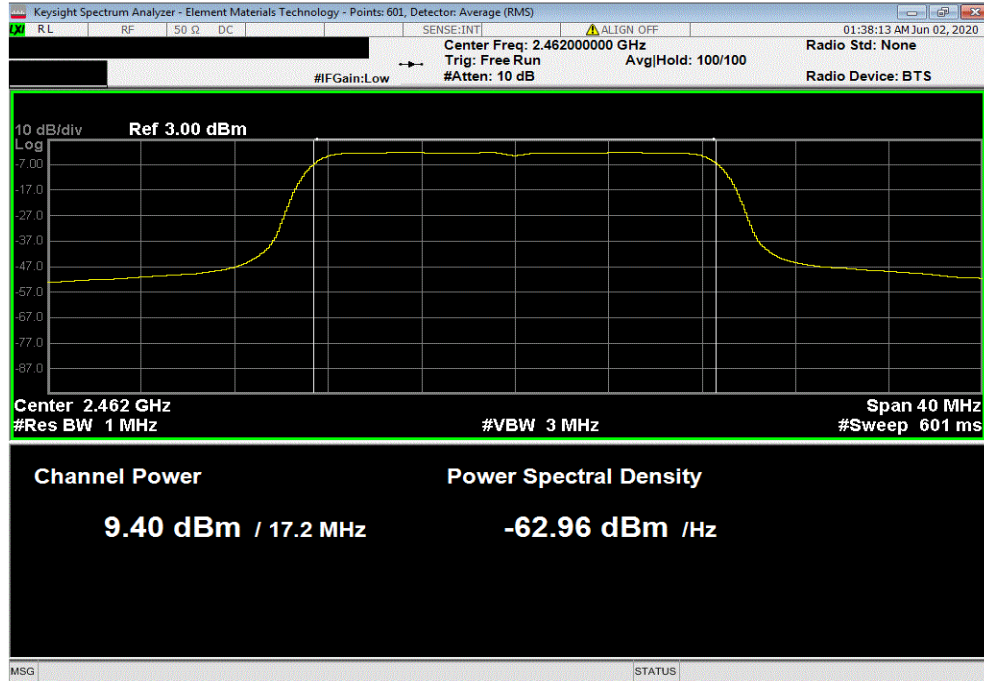


OUTPUT POWER

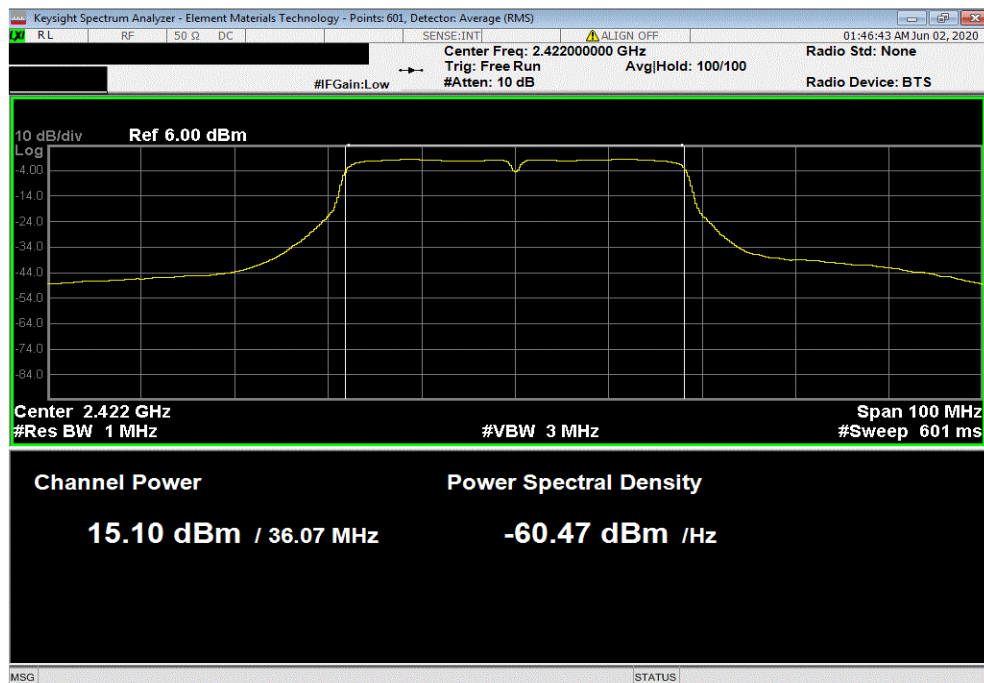


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.396	0	9.4	30	Pass	



40 MHz Bandwidth, 802.11(n) MCS0, Low Channel 1/5, 2422 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	15.103	0	15.1	30	Pass	

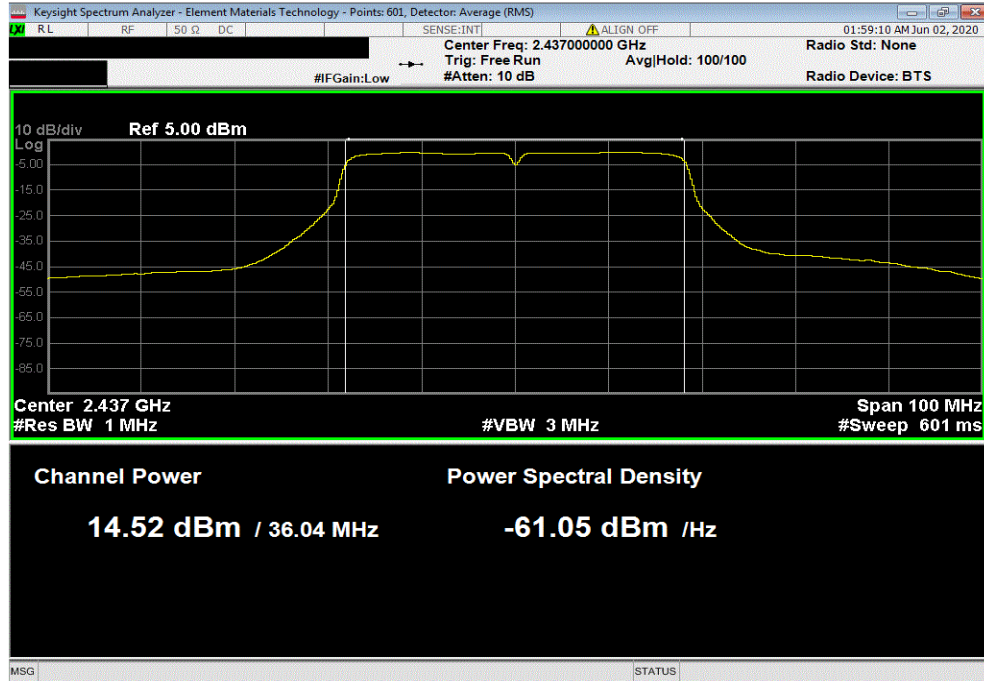


OUTPUT POWER

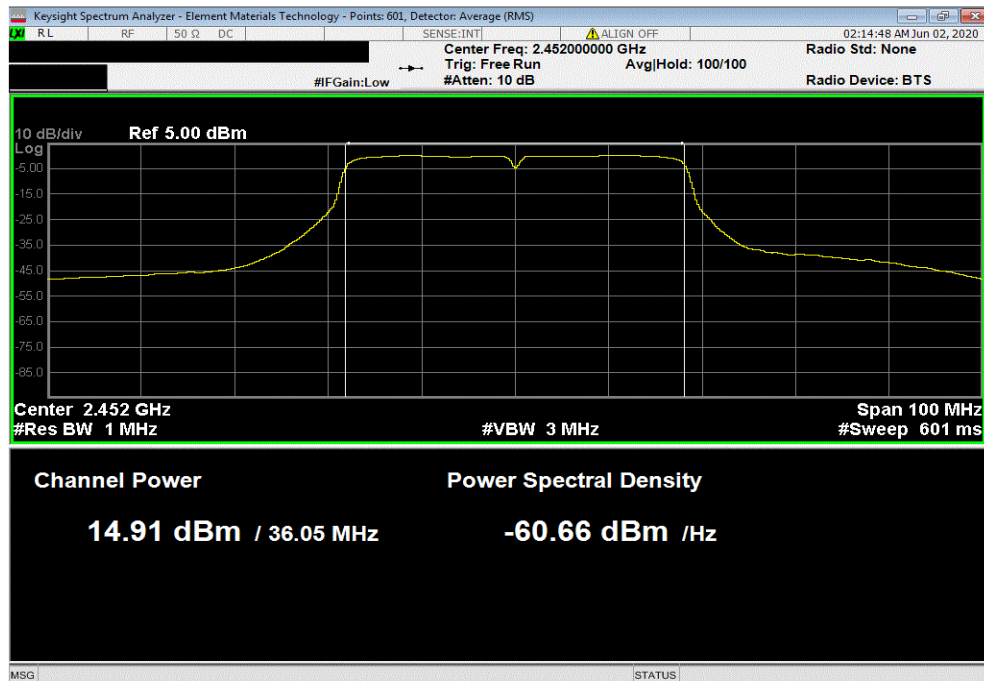


TbTx 2019.08.30.0 XMt 2020.03.25.0

40 MHz Bandwidth, 802.11(n) MCS0, Mid Channel 4/8, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.521	0	14.5	30	Pass	



40 MHz Bandwidth, 802.11(n) MCS0, High Channel 7/11, 2452 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	14.91	0	14.9	30	Pass	

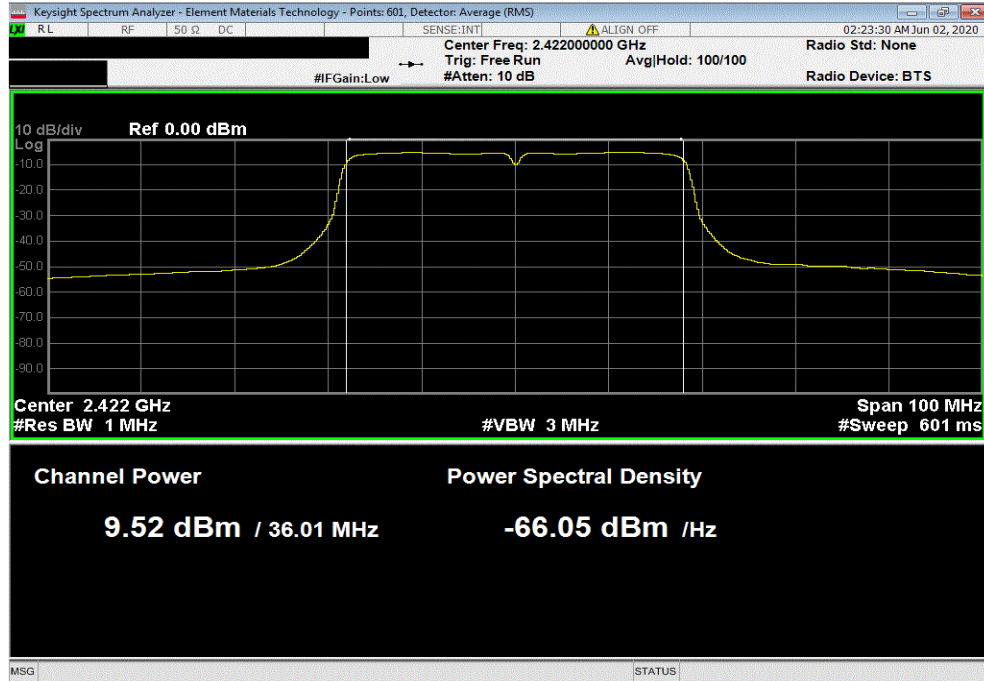


OUTPUT POWER

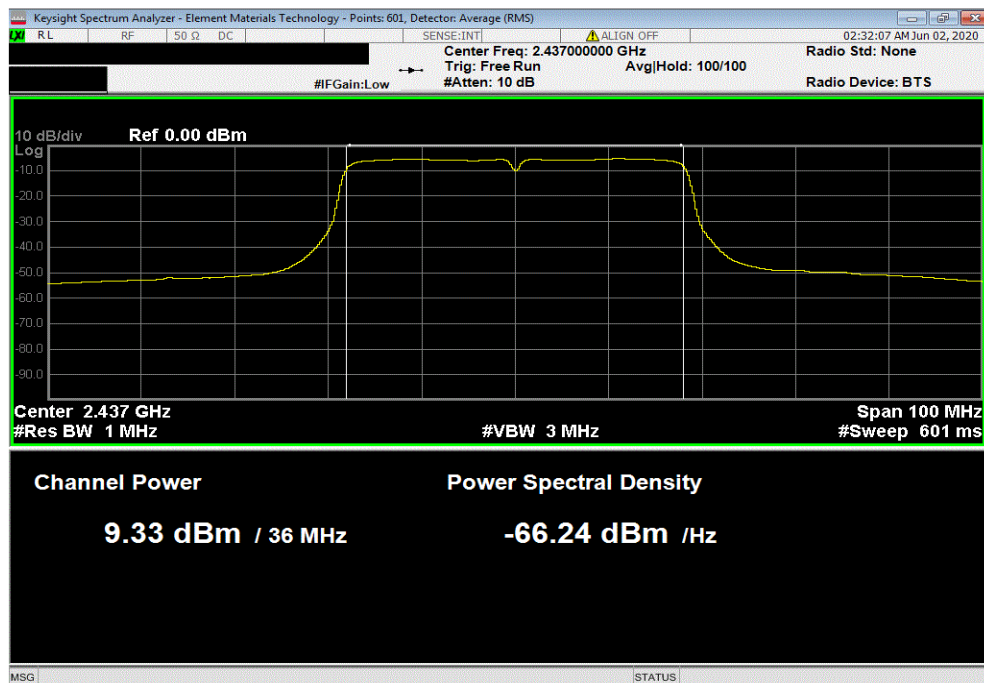


TbTx 2019.08.30.0 XMt 2020.03.25.0

40 MHz Bandwidth, 802.11(n) MCS7, Low Channel 1/5, 2422 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.518	0	9.5	30	Pass	



40 MHz Bandwidth, 802.11(n) MCS7, Mid Channel 4/8, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.326	0	9.3	30	Pass	

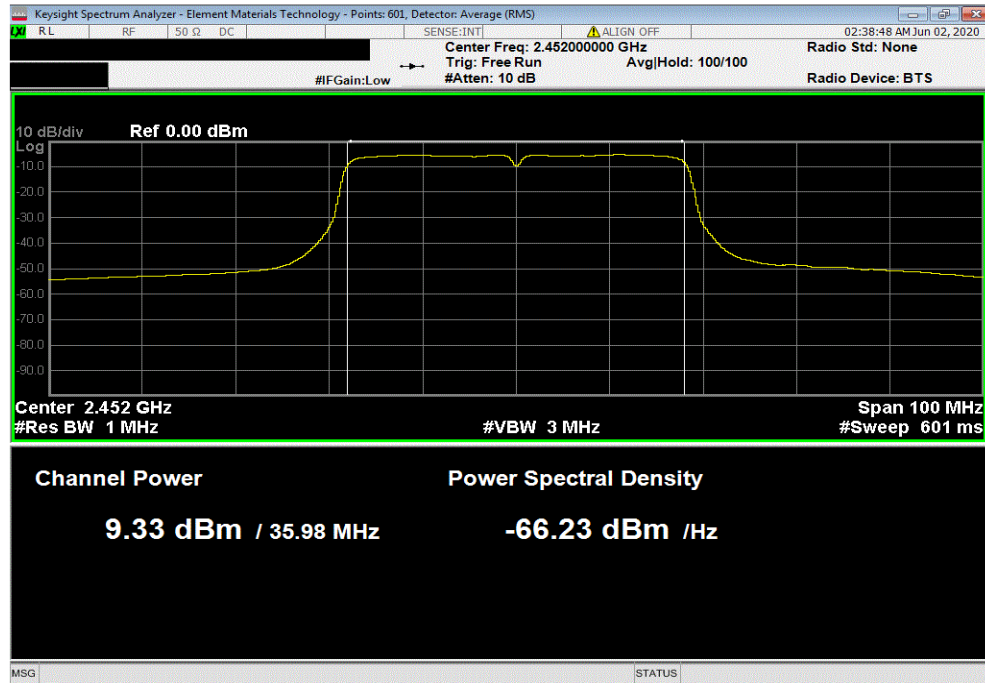


OUTPUT POWER



TbTx 2019.08.30.0 XMR 2020.03.25.0

40 MHz Bandwidth, 802.11(n) MCS7, High Channel 7/11, 2452 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result	
	9.333	0	9.3	30	Pass	



EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



XMIT 2020.03.25.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E4422B	TGQ	15-Mar-18	15-Mar-21
Block - DC	Fairview Microwave	SD3379	AMI	6-Aug-19	6-Aug-20
Attenuator	S.M. Electronics	SA26B-20	RFW	10-Feb-20	10-Feb-21
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	15-Sep-19	15-Sep-20
Analyzer - Spectrum Analyzer	Keysight	N9010A (EXA)	AFQ	21-Dec-19	21-Dec-20

TEST DESCRIPTION

The fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

Prior to measuring output power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. Both are required to determine the method of measuring Maximum Conducted Output Power. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The method AVGSA-2 in section 11.9.2.2.4 of ANSI C63.10:2013 was used to make the measurement. This method uses trace averaging across ON and OFF times of the EUT transmissions in the spectrum analyzer channel power function using an RMS detector. Following the measurement a duty cycle correction was applied by adding $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

Equivalent Isotropic Radiated Power (EIRP) = Max Measured Power + Antenna gain (dBi)

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TWTx 2019.08.30.0 XMR 2020.03.25.0

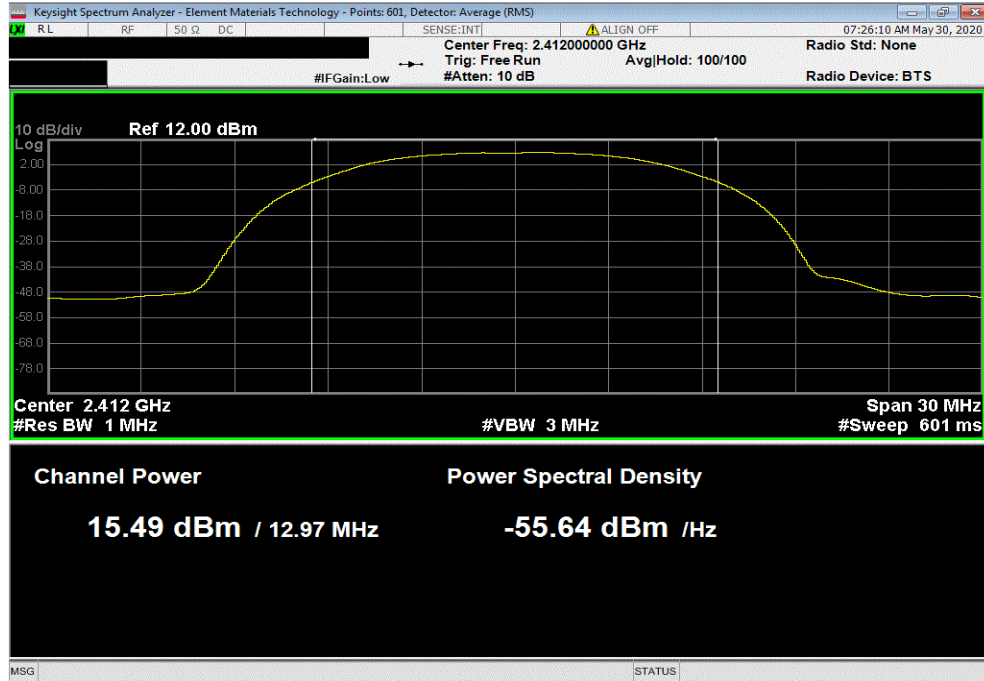
EUT: New Telemetry Cable		Work Order: INSP0011	
Serial Number: P000026		Date: 1-Jun-20	
Customer: Inspire Medical Systems		Temperature: 24.4 °C	
Attendees: Darrell Wagner		Humidity: 51.1% RH	
Project: None		Barometric Pres.: 1012 mbar	
Tested by: Andrew Rogstad		Power: 120VAC/60Hz	
Job Site: MN08			
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2020		ANSI C63.10:2013	
COMMENTS			
Reference level offset includes measurement cable, DC block, and 20 dB attenuator.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature <i>Andrew Rogstad</i>	
		Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)
		Out Pwr (dBm)	Antenna Gain (dBi)
		EIRP (dBm)	EIRP Limit (dBm)
			Result
20 MHz Bandwidth			
802.11(b) 1 Mbps			
	Low Channel 1, 2412 MHz	15.486	0
	Mid Channel 6, 2437 MHz	15.343	0
	High Channel 11, 2462 MHz	15.54	0
802.11(b) 11 Mbps			
	Low Channel 1, 2412 MHz	15.7	0
	Mid Channel 6, 2437 MHz	15.374	0
	High Channel 11, 2462 MHz	15.547	0
802.11(g) 6 Mbps			
	Low Channel 1, 2412 MHz	14.414	0
	Mid Channel 6, 2437 MHz	14.36	0
	High Channel 11, 2462 MHz	14.613	0
802.11(g) 36 Mbps			
	Low Channel 1, 2412 MHz	12.279	0
	Mid Channel 6, 2437 MHz	12.092	0
	High Channel 11, 2462 MHz	12.096	0
802.11(g) 54 Mbps			
	Low Channel 1, 2412 MHz	10.297	0
	Mid Channel 6, 2437 MHz	10.069	0
	High Channel 11, 2462 MHz	10.046	0
802.11(n) MCS0			
	Low Channel 1, 2412 MHz	14.398	0
	Mid Channel 6, 2437 MHz	14.252	0
	High Channel 11, 2462 MHz	14.279	0
802.11(n) MCS7			
	Low Channel 1, 2412 MHz	9.176	0
	Mid Channel 6, 2437 MHz	9.113	0
	High Channel 11, 2462 MHz	9.396	0
40 MHz Bandwidth			
802.11(n) MCS0			
	Low Channel 1/5, 2422 MHz	15.103	0
	Mid Channel 4/8, 2437 MHz	14.521	0
	High Channel 7/11, 2452 MHz	14.91	0
802.11(n) MCS7			
	Low Channel 1/5, 2422 MHz	9.518	0
	Mid Channel 4/8, 2437 MHz	9.326	0
	High Channel 7/11, 2452 MHz	9.333	0

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

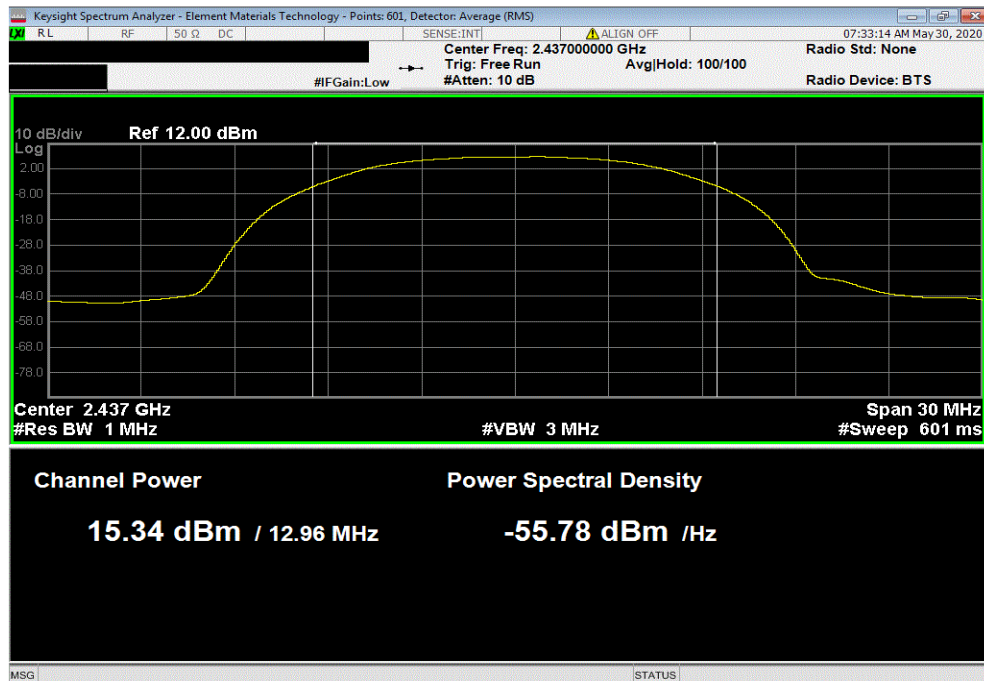


TbTx 2019.08.30.0 XMR 2020.03.25.0

20 MHz Bandwidth, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.486	0	15.5	2.5	18	36	Pass



20 MHz Bandwidth, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.343	0	15.3	2.5	17.8	36	Pass

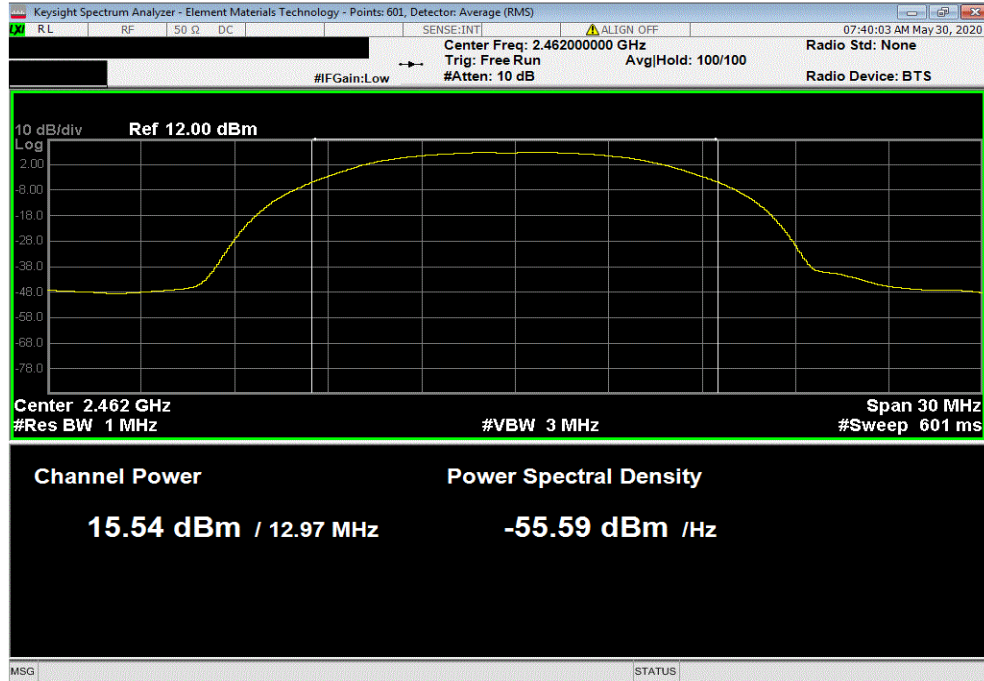


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

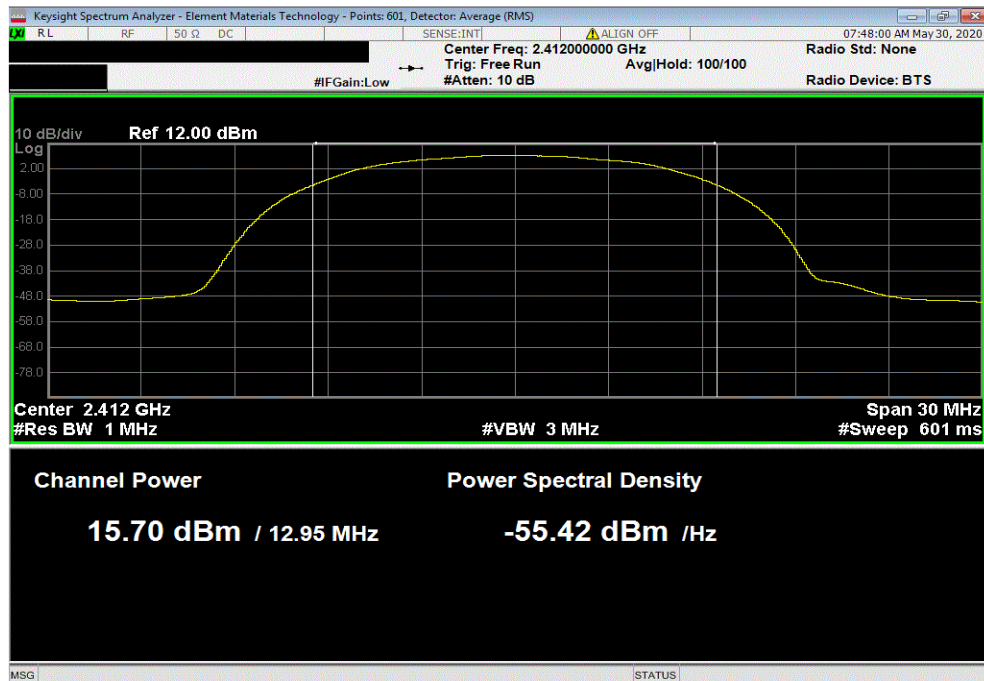


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.54	0	15.5	2.5	18	36	Pass



20 MHz Bandwidth, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.7	0	15.7	2.5	18.2	36	Pass

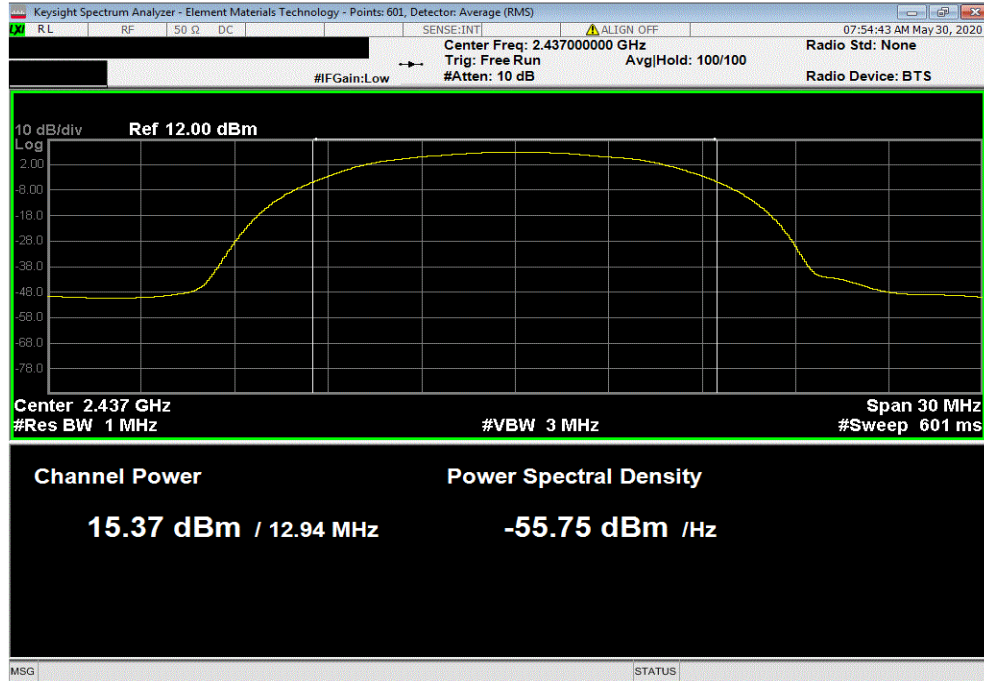


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

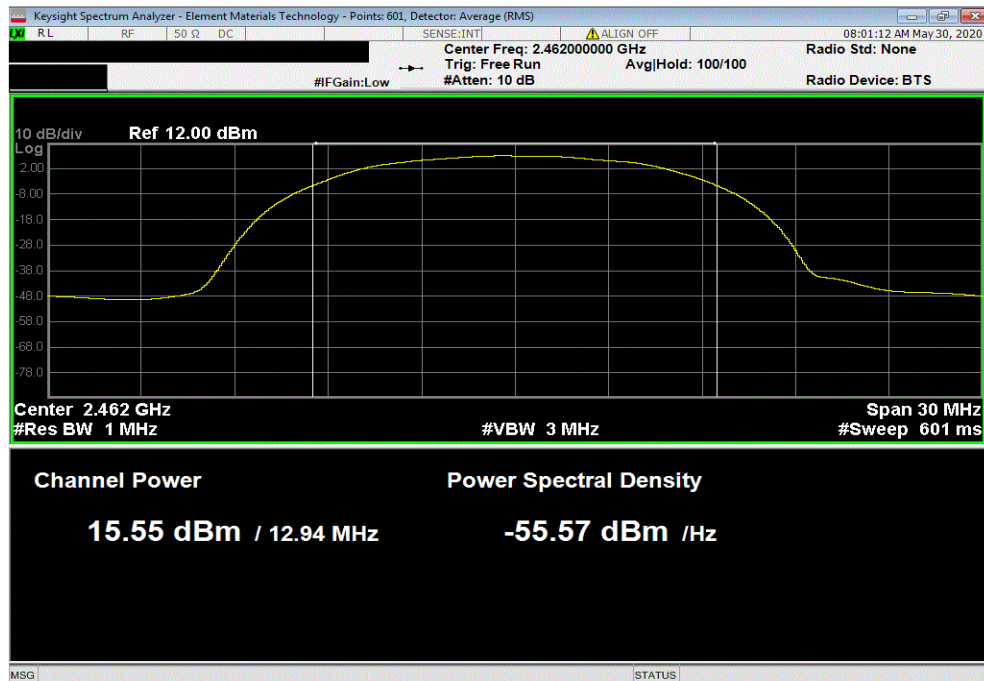


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.374	0	15.4	2.5	17.9	36	Pass



20 MHz Bandwidth, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.547	0	15.5	2.5	18	36	Pass

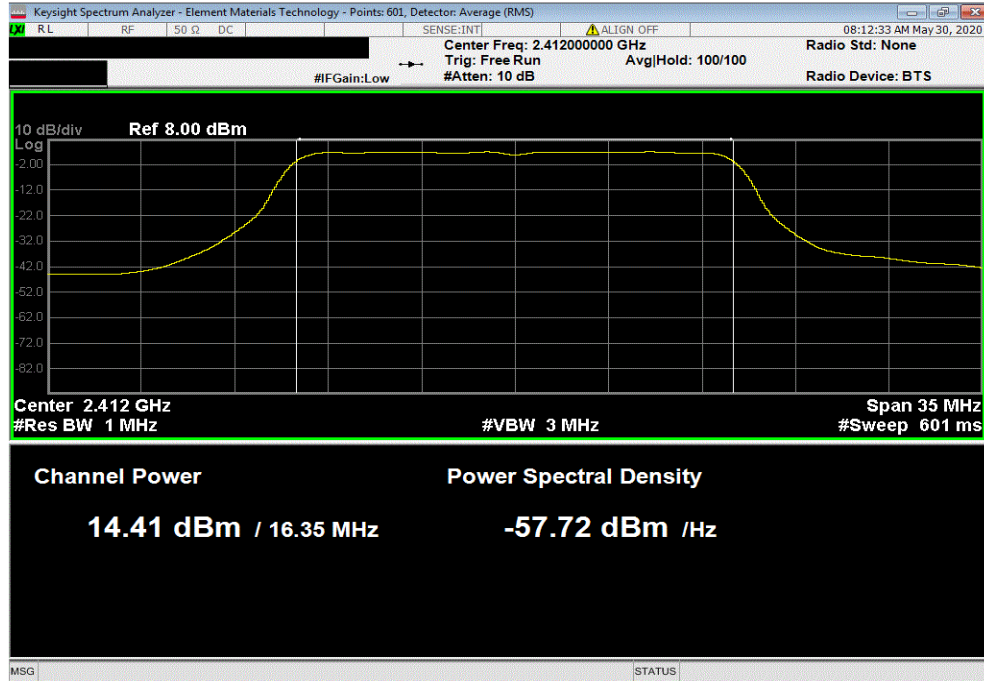


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

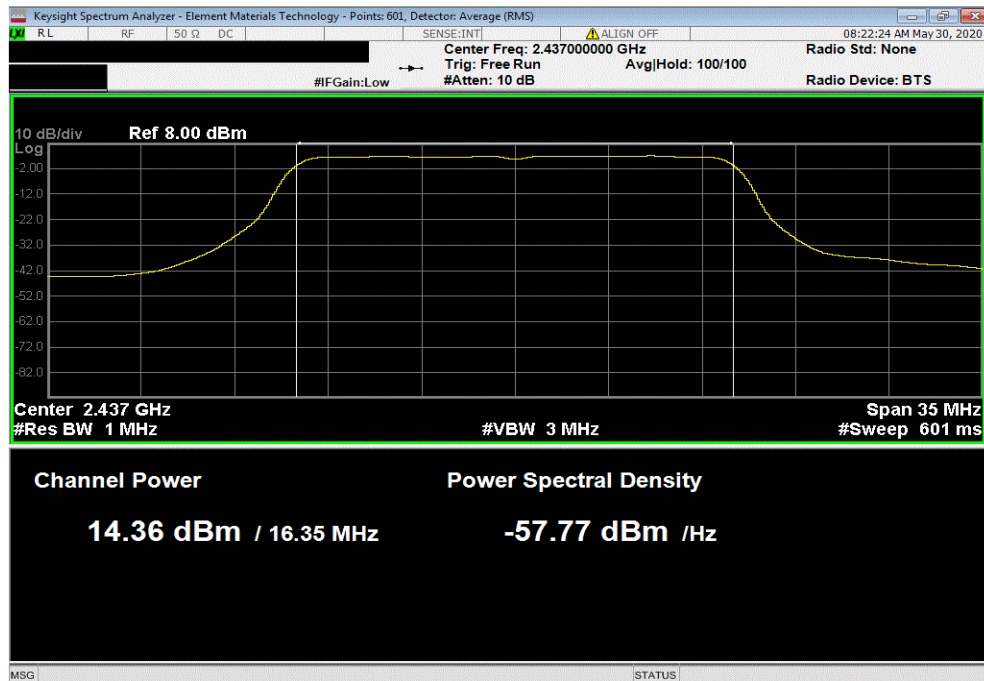


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.414	0	14.4	2.5	16.9	36	Pass



20 MHz Bandwidth, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.36	0	14.4	2.5	16.9	36	Pass

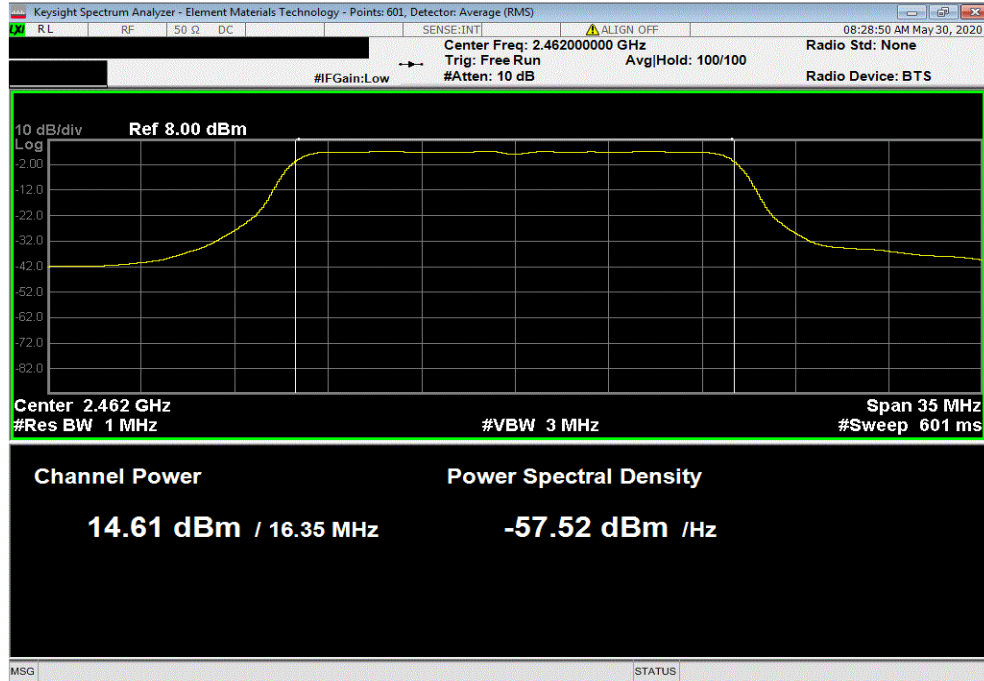


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

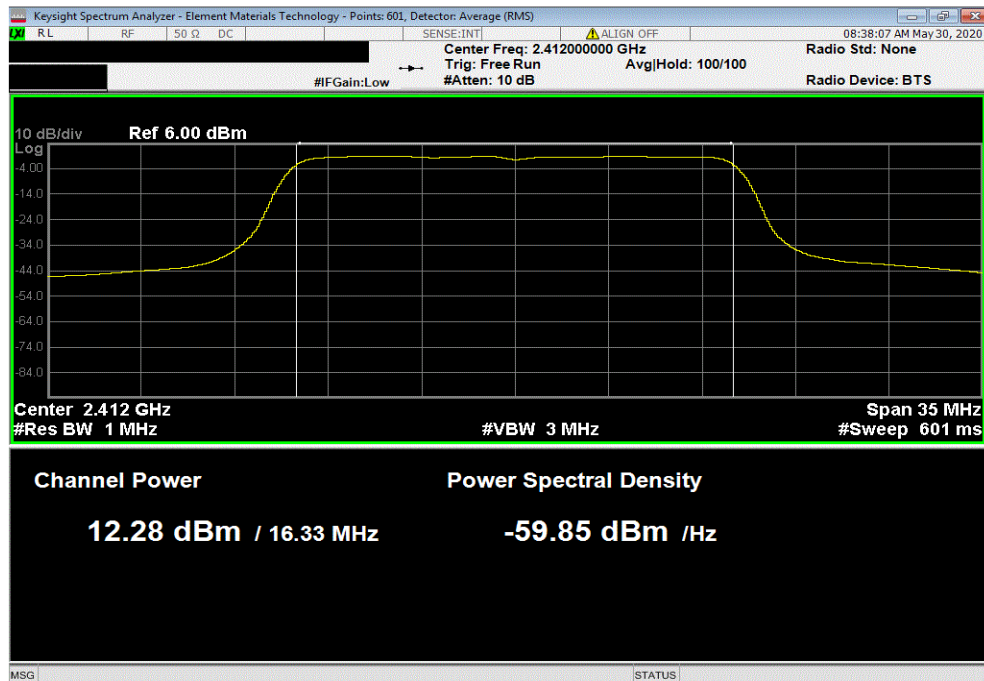


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.613	0	14.6	2.5	17.1	36	Pass



20 MHz Bandwidth, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
12.279	0	12.3	2.5	14.8	36	Pass

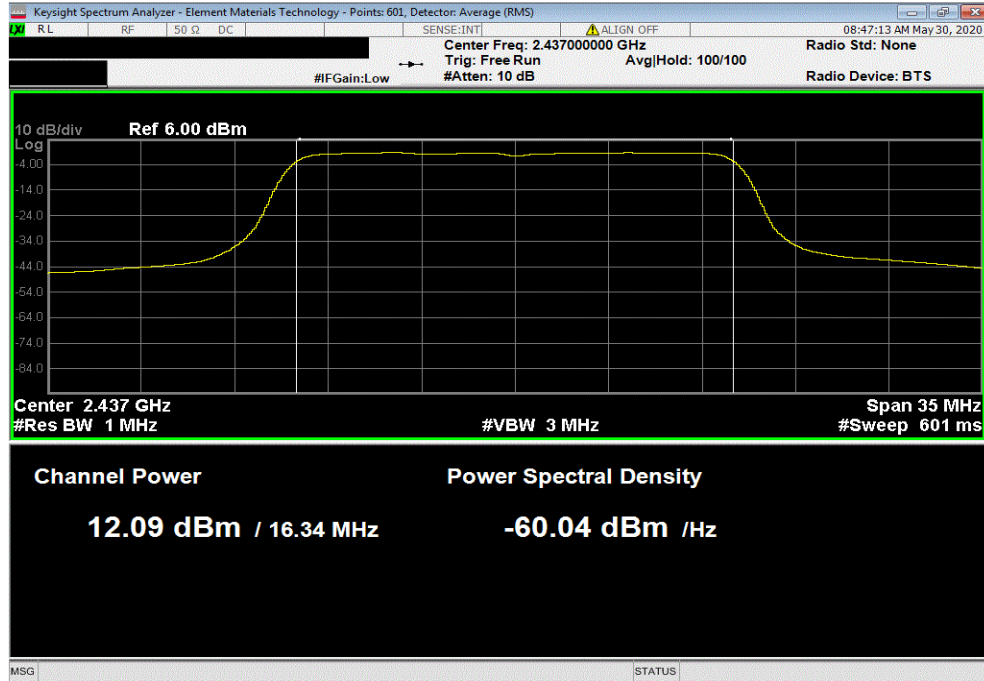


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

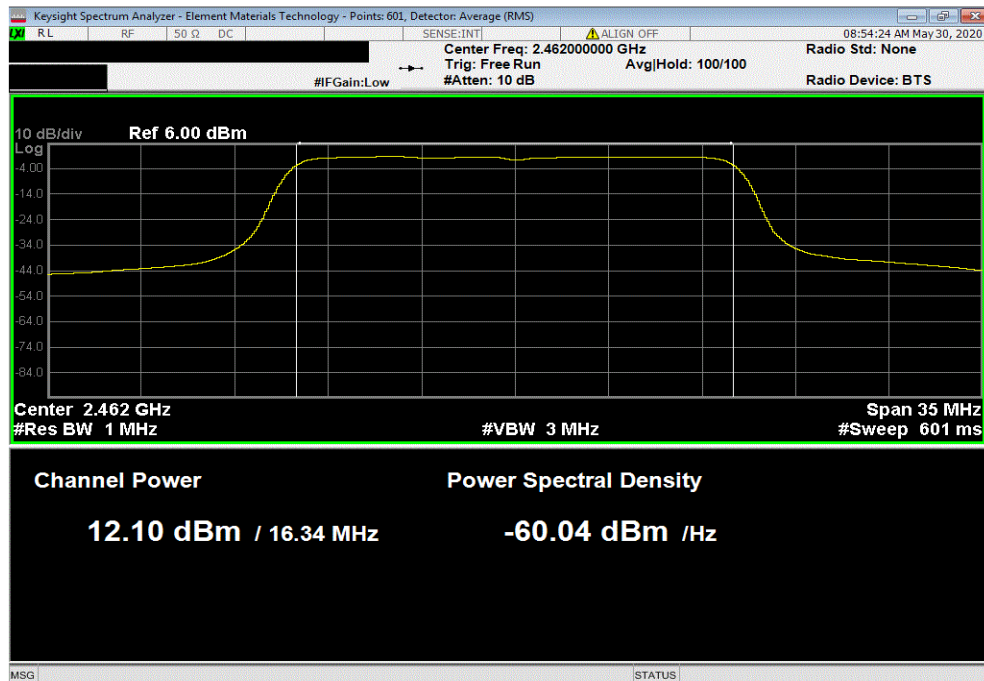


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
12.092	0	12.1	2.5	14.6	36	Pass



20 MHz Bandwidth, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
12.096	0	12.1	2.5	14.6	36	Pass

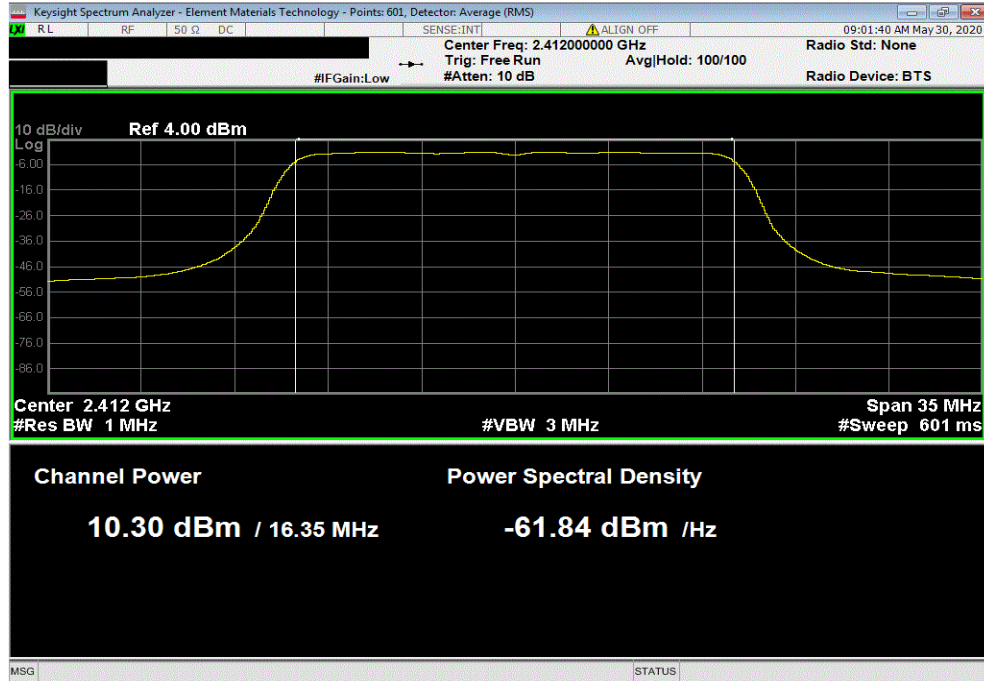


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

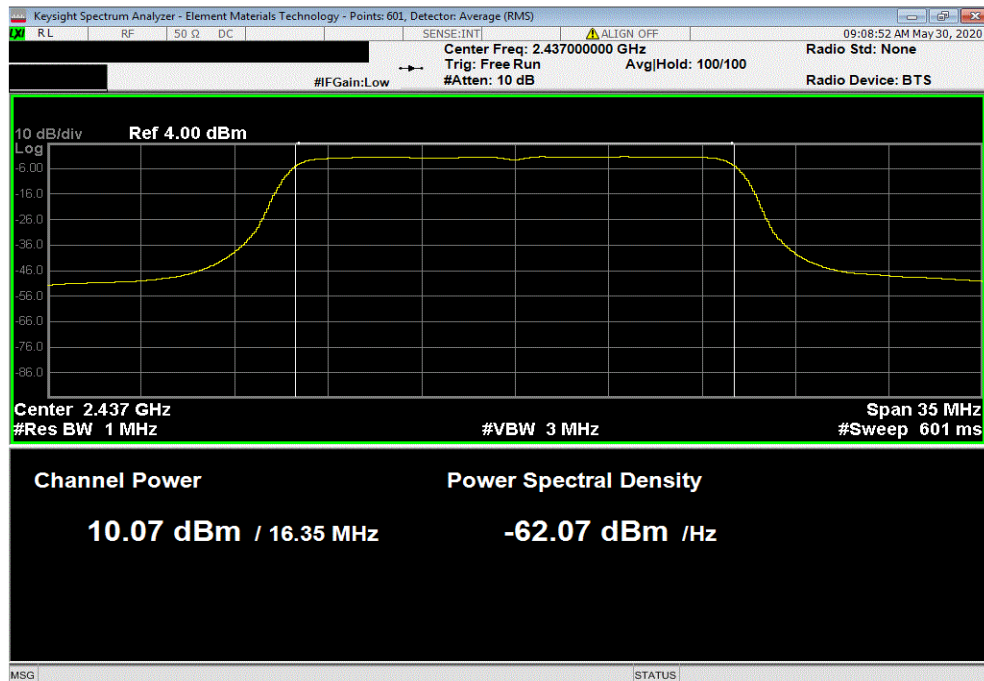


TbTx 2019.08.30.0 XMR 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.297	0	10.3	2.5	12.8	36	Pass



20 MHz Bandwidth, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.069	0	10.1	2.5	12.6	36	Pass

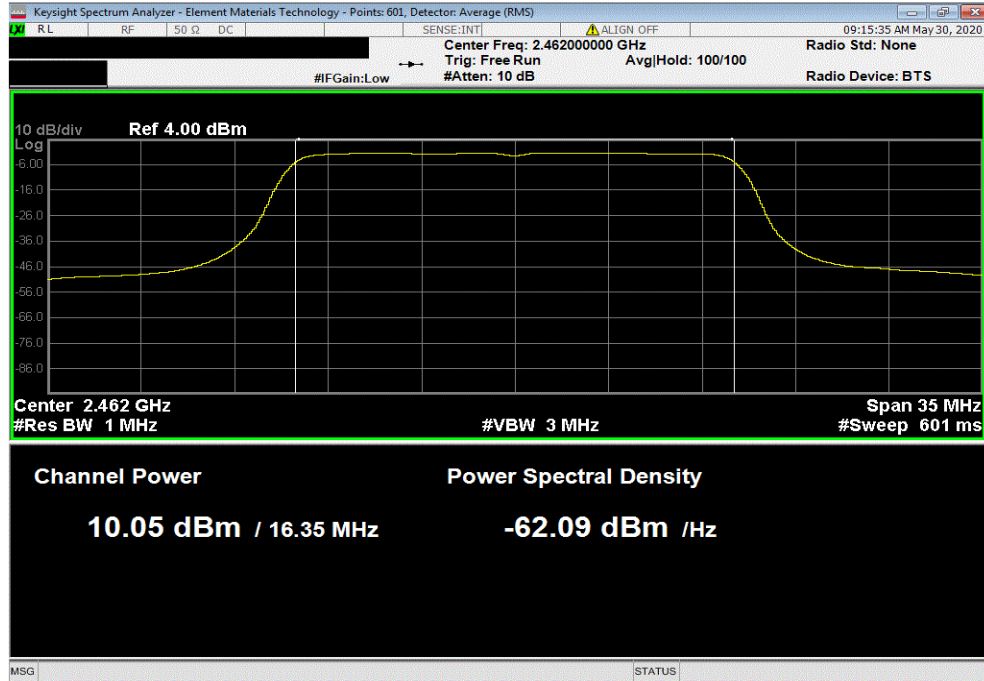


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

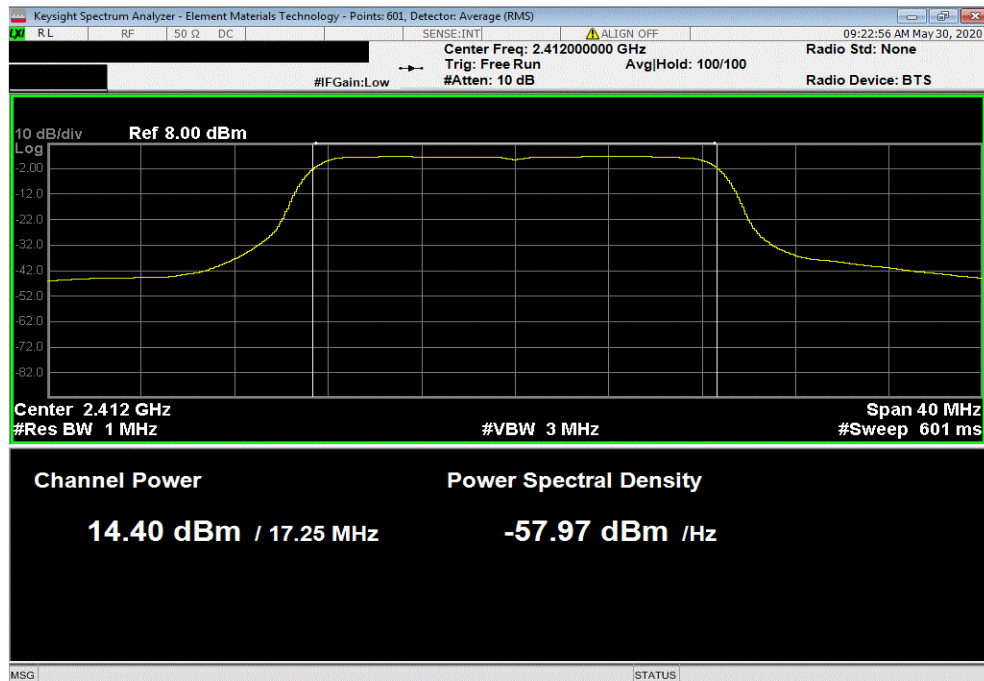


TbTx 2019.08.30.0 XMI 2020.03.25.0

20 MHz Bandwidth, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
10.046	0	10	2.5	12.5	36	Pass



20 MHz Bandwidth, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.398	0	14.4	2.5	16.9	36	Pass

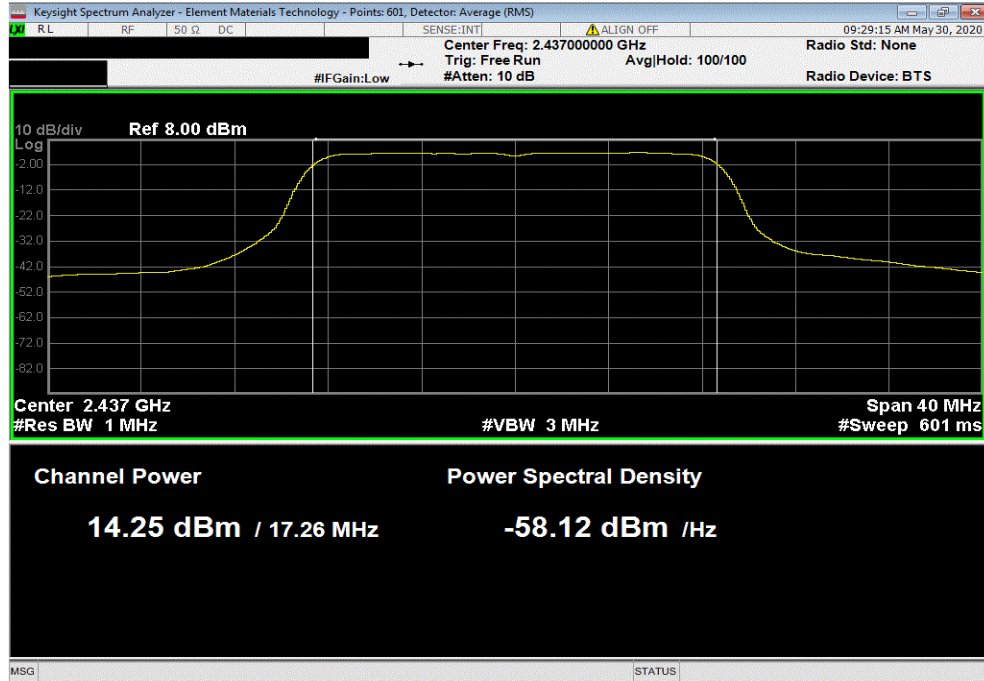


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

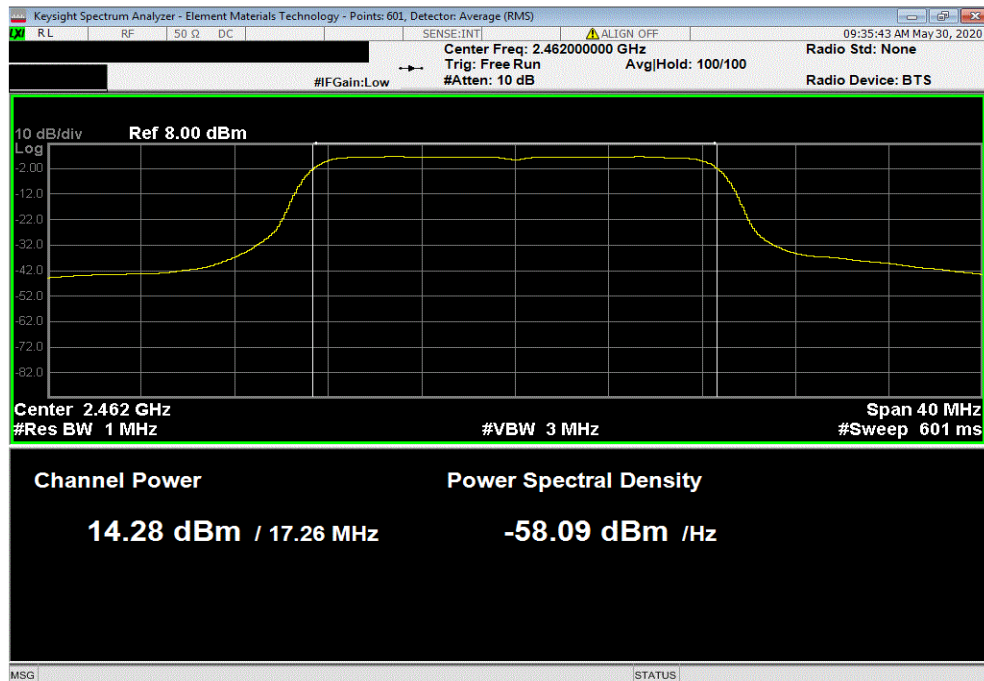


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.252	0	14.3	2.5	16.8	36	Pass



20 MHz Bandwidth, 802.11(n) MCS0, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.279	0	14.3	2.5	16.8	36	Pass

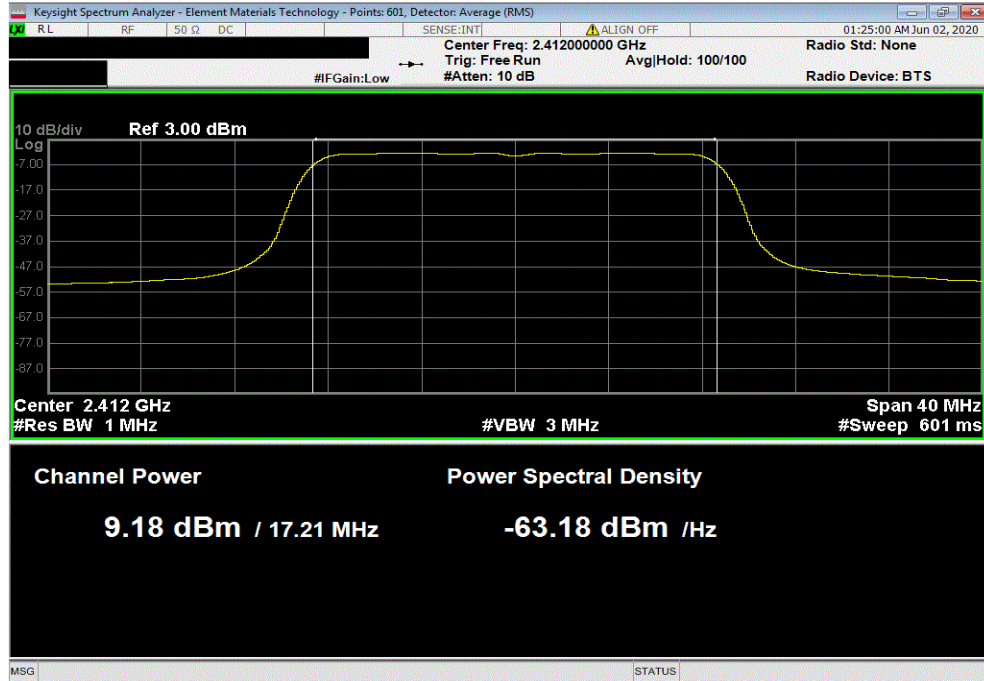


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

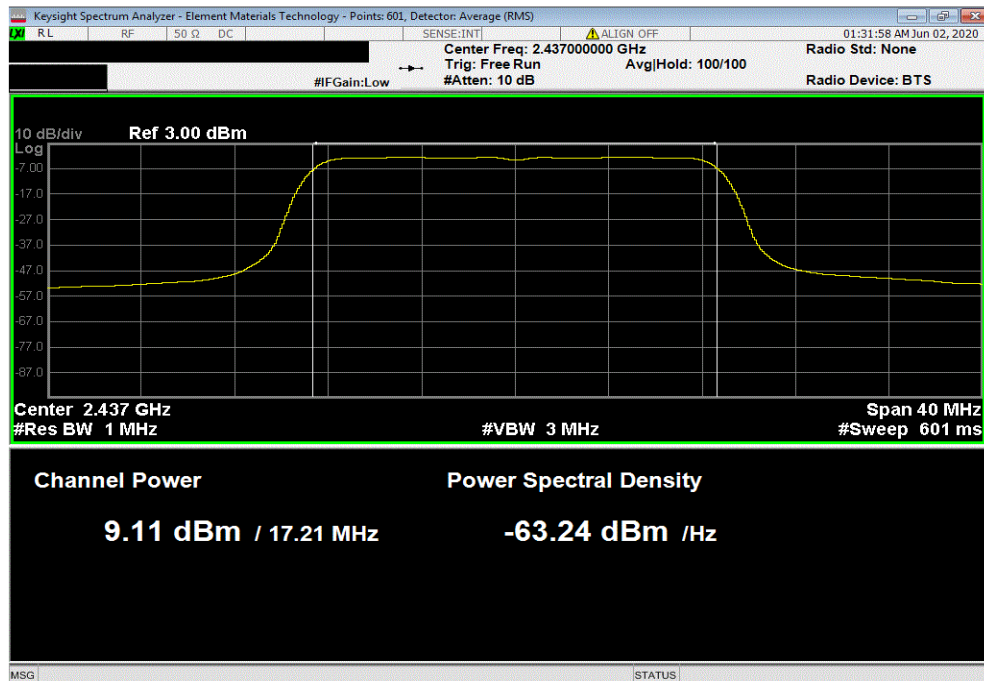


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.176	0	9.2	2.5	11.7	36	Pass



20 MHz Bandwidth, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.113	0	9.1	2.5	11.6	36	Pass

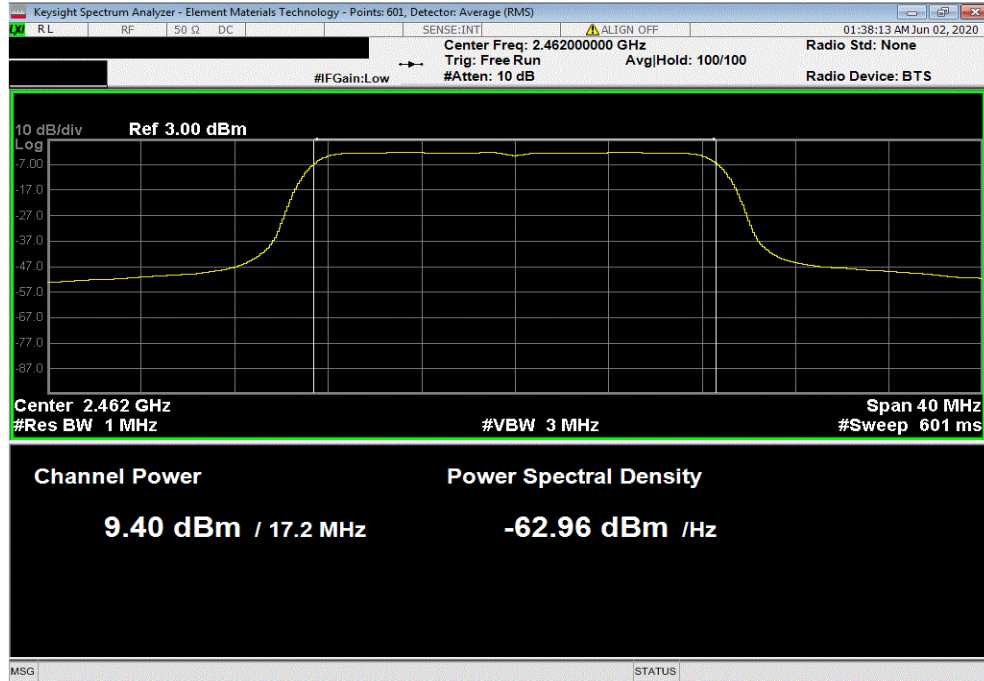


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

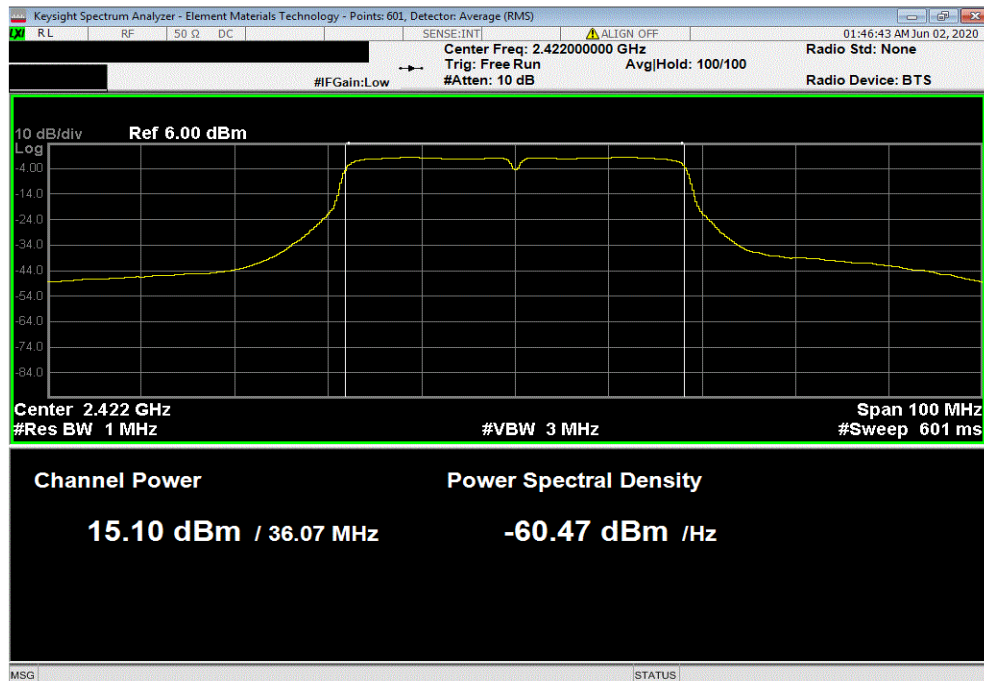


TbTx 2019.08.30.0 XMt 2020.03.25.0

20 MHz Bandwidth, 802.11(n) MCS7, High Channel 11, 2462 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.396	0	9.4	2.5	11.9	36	Pass



40 MHz Bandwidth, 802.11(n) MCS0, Low Channel 1/5, 2422 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
15.103	0	15.1	2.5	17.6	36	Pass

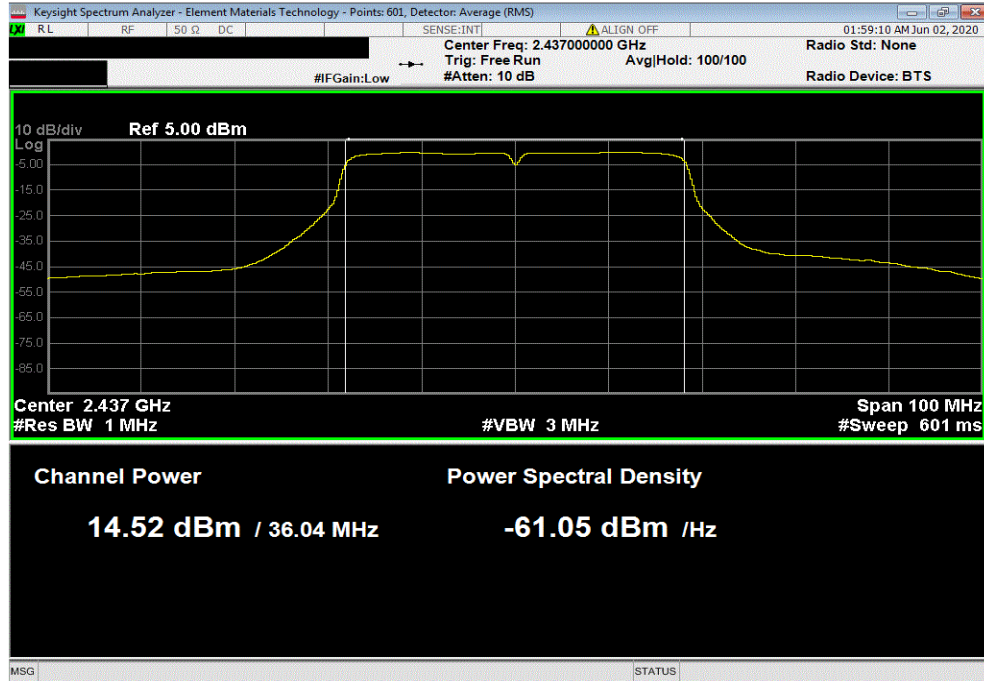


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

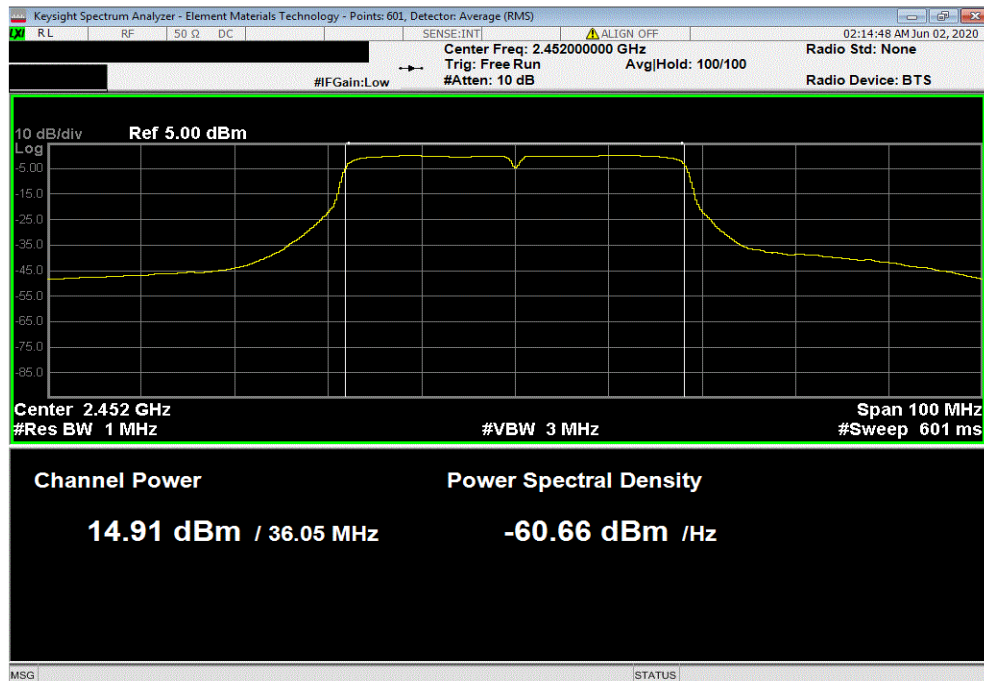


TbTx 2019.08.30.0 XMt 2020.03.25.0

40 MHz Bandwidth, 802.11(n) MCS0, Mid Channel 4/8, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.521	0	14.5	2.5	17	36	Pass



40 MHz Bandwidth, 802.11(n) MCS0, High Channel 7/11, 2452 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
14.91	0	14.9	2.5	17.4	36	Pass

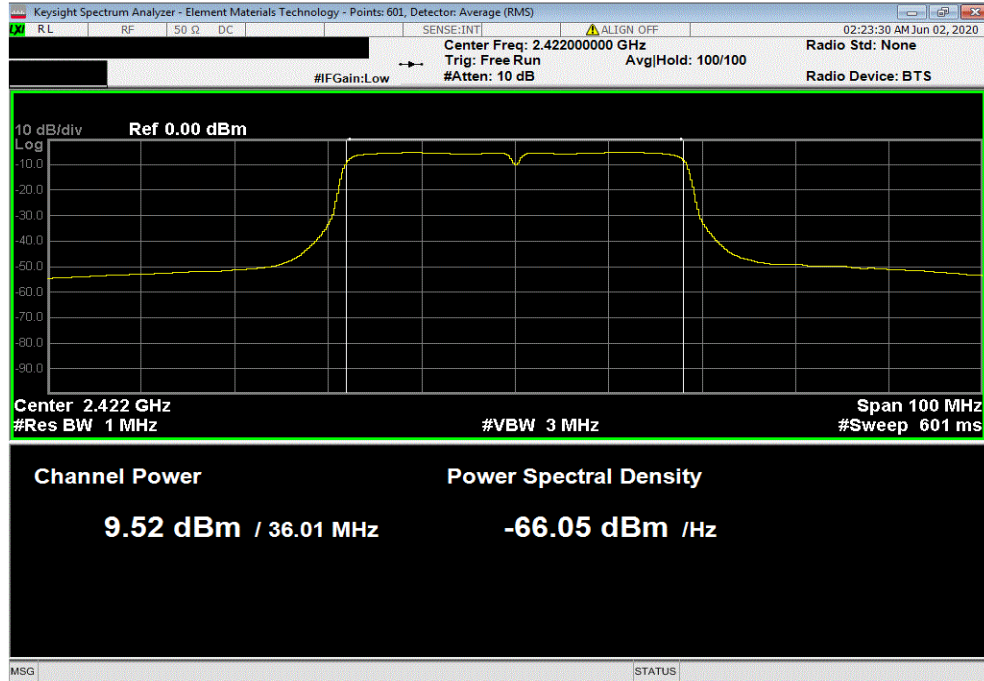


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

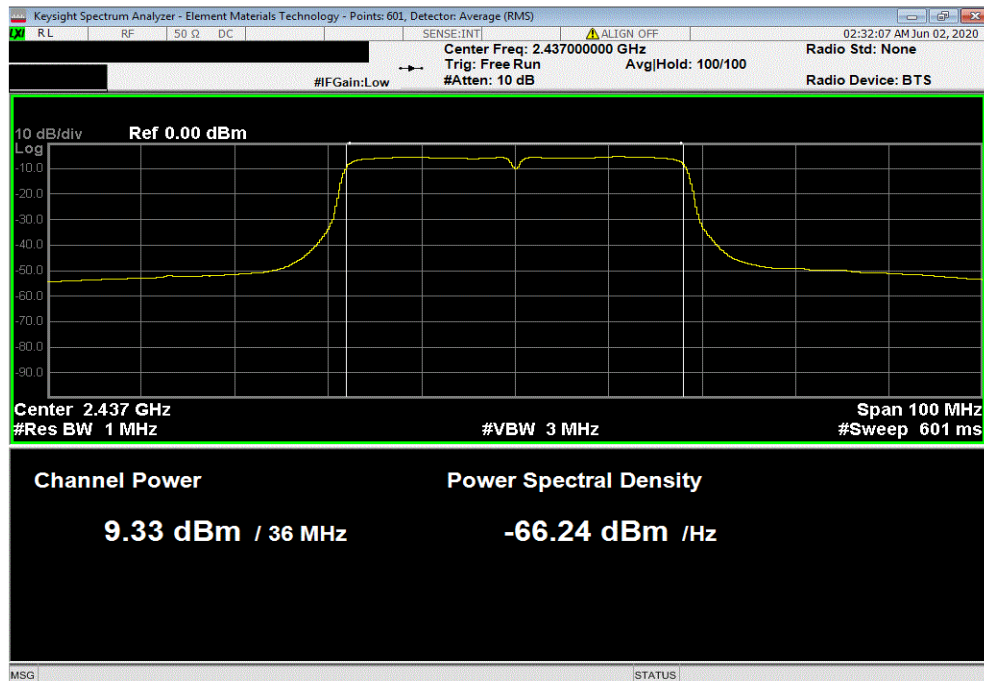


TbTx 2019.08.30.0 XMt 2020.03.25.0

40 MHz Bandwidth, 802.11(n) MCS7, Low Channel 1/5, 2422 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.518	0	9.5	2.5	12	36	Pass



40 MHz Bandwidth, 802.11(n) MCS7, Mid Channel 4/8, 2437 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.326	0	9.3	2.5	11.8	36	Pass



EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TbTx 2019.08.30.0 XMt 2020.03.25.0

40 MHz Bandwidth, 802.11(n) MCS7, High Channel 7/11, 2452 MHz						
Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result
9.333	0	9.3	2.5	11.8	36	Pass

