

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



XMI 2019.09.05

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
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The peak output power was measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting in a no hop mode at the data rate(s) listed in the datasheet.

The method found in ANSI C63.10:2013 Section 7.8.5 was used for a FHSS radio.

The antenna gain was added to the conducted power to calculate EIRP. This value was compared to the EIRP limit of 27 dBm.

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TWTx 2019.08.30.0 XMI 2019.09.05

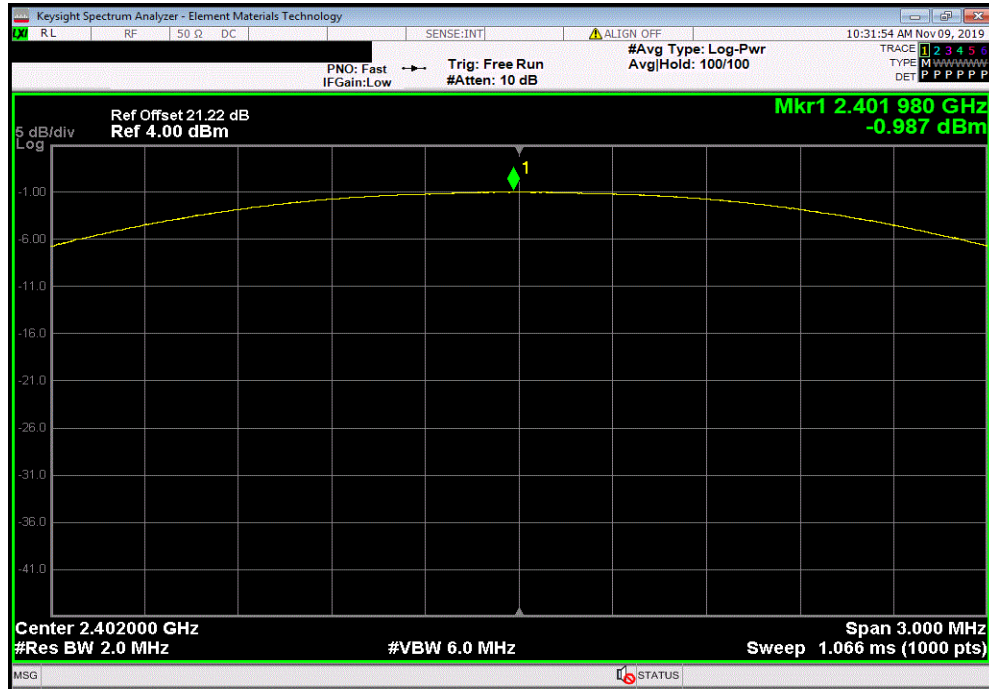
EUT: V300		Work Order: WTV0027	
Serial Number: 63		Date: 8-Nov-19	
Customer: WatchGuard Video		Temperature: 23.2 °C	
Attendees: Navaid Karimi		Humidity: 26.2% RH	
Project: None		Barometric Pres.: 1035 mbar	
Tested by: Jonathan Kiefer		Power: Battery	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2019		ANSI C63.10:2013	
COMMENTS			
Low Ch 2402MHz, Mid Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable).			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	4	Signature <i>Jonathan Kiefer</i>	
		Out Pwr (dBm)	Antenna Gain (dBi)
		EIRP (dBm)	EIRP Limit (dBm)
			Result
DH5, GFSK			
	Low Channel	-0.987	1.4
	Mid Channel	-1.486	1.4
	High Channel	-2.129	1.4
2DH5, pi/4-DQPSK			
	Low Channel	-1.297	1.4
	Mid Channel	-2.14	1.4
	High Channel	-2.147	1.4
3DH5, 8-DPSK			
	Low Channel	-1.066	1.4
	Mid Channel	-1.925	1.4
	High Channel	-2.3	1.4

EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

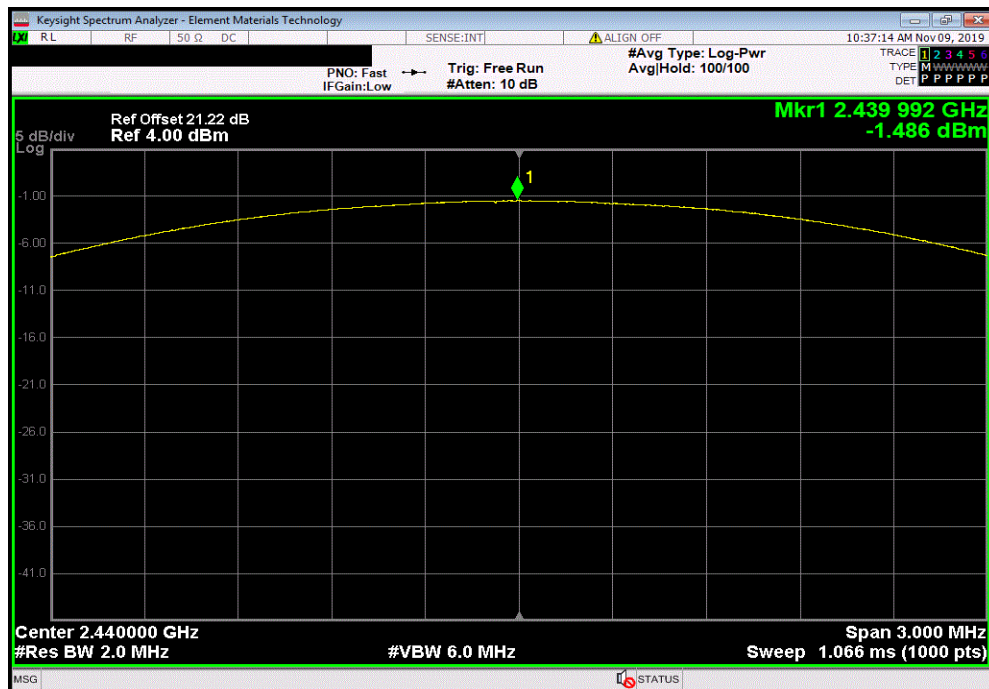


TbTx 2019.08.30.0 XMt 2019.09.05

DH5, GFSK, Low Channel					
Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
-0.987	1.4	0.413	27	Pass	



DH5, GFSK, Mid Channel					
Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
-1.486	1.4	-0.086	27	Pass	

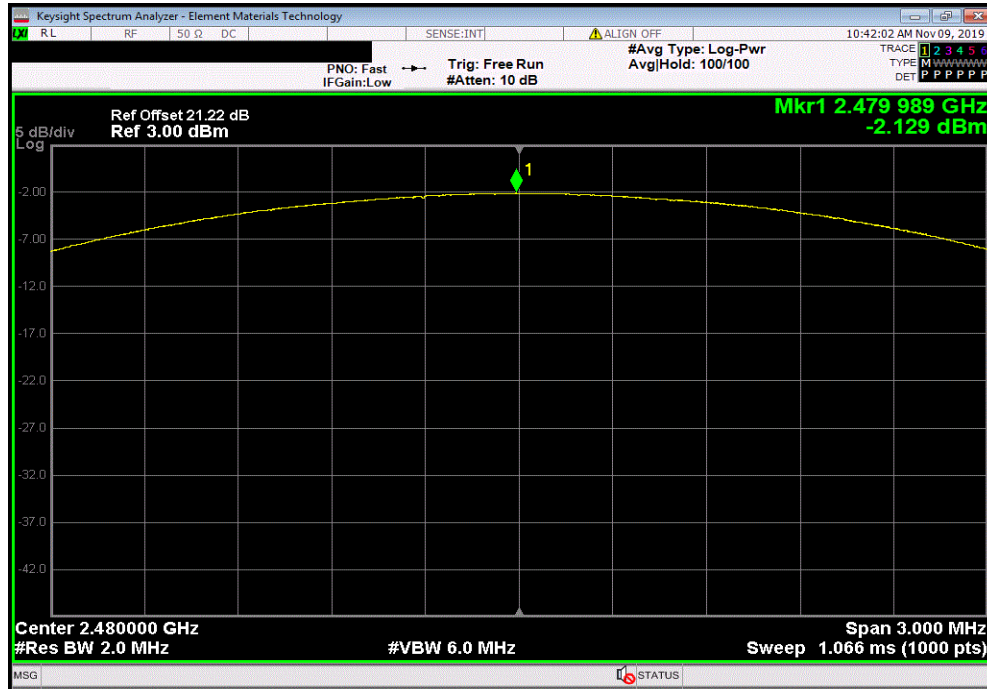


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

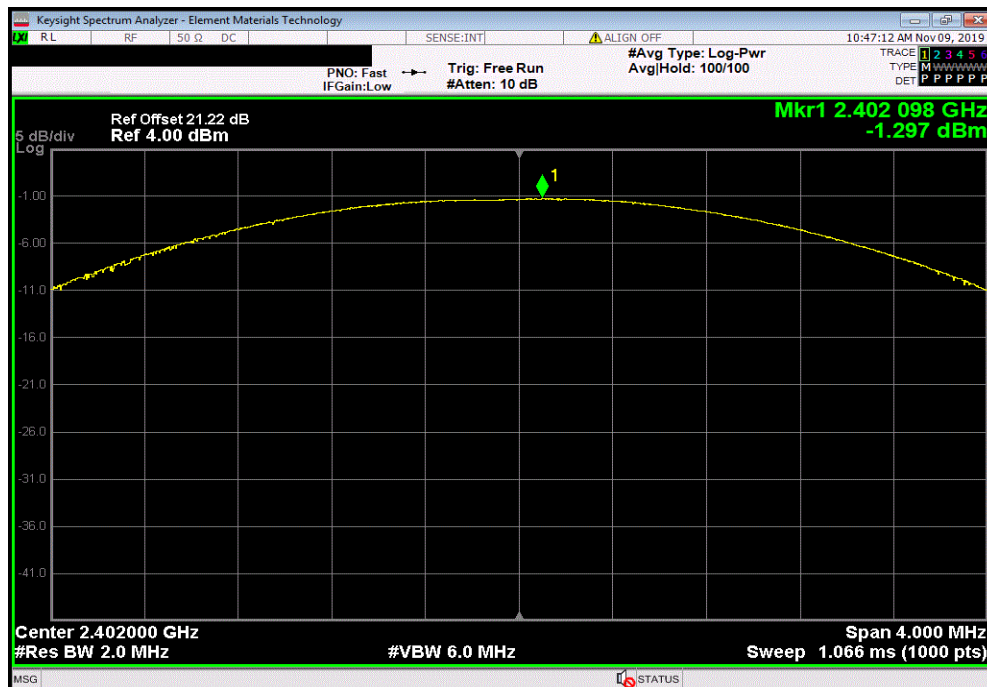


THSTx 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, High Channel					
Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
-2.129	1.4	-0.729	27	Pass	



2DH5, pi/4-DQPSK, Low Channel					
Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
-1.297	1.4	0.103	27	Pass	

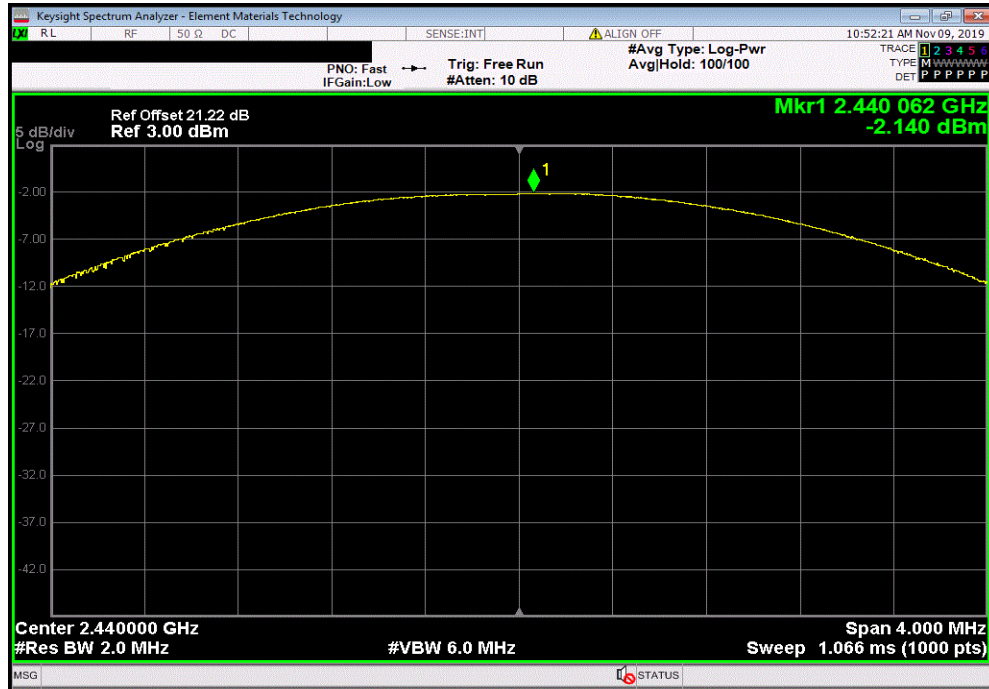


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

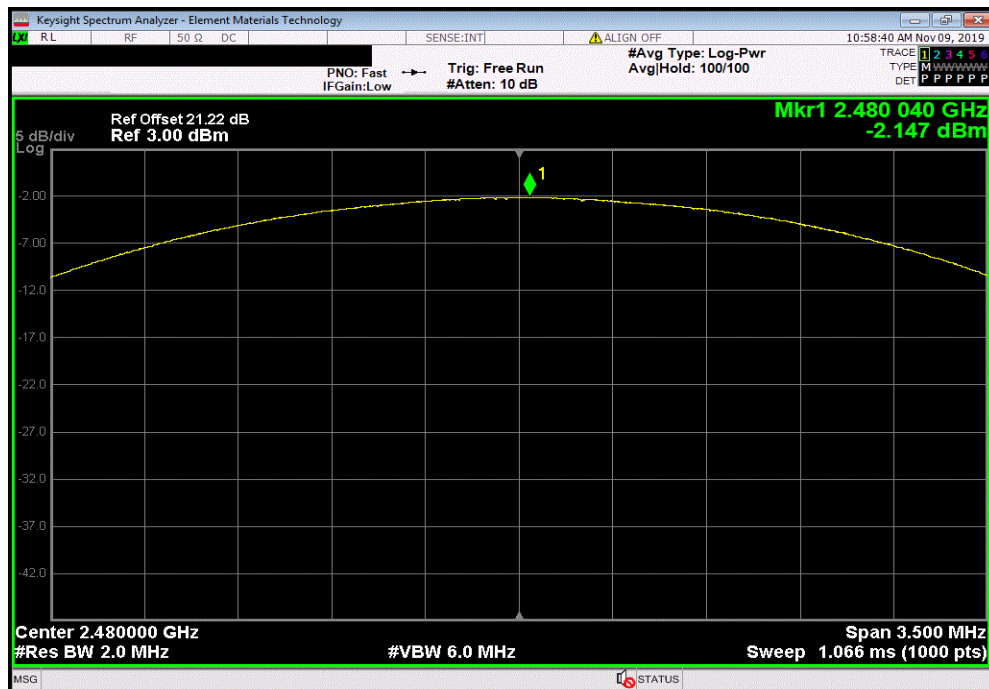


TMTx 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, Mid Channel						
	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
	-2.14	1.4	-0.74	27	Pass	



2DH5, pi/4-DQPSK, High Channel						
	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
	-2.147	1.4	-0.747	27	Pass	

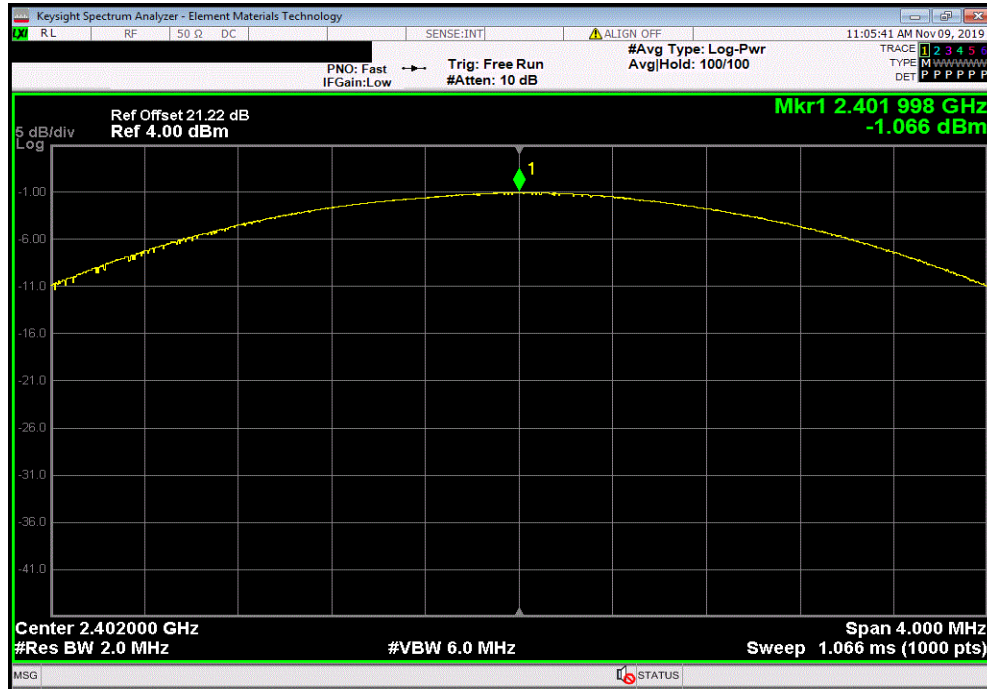


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)

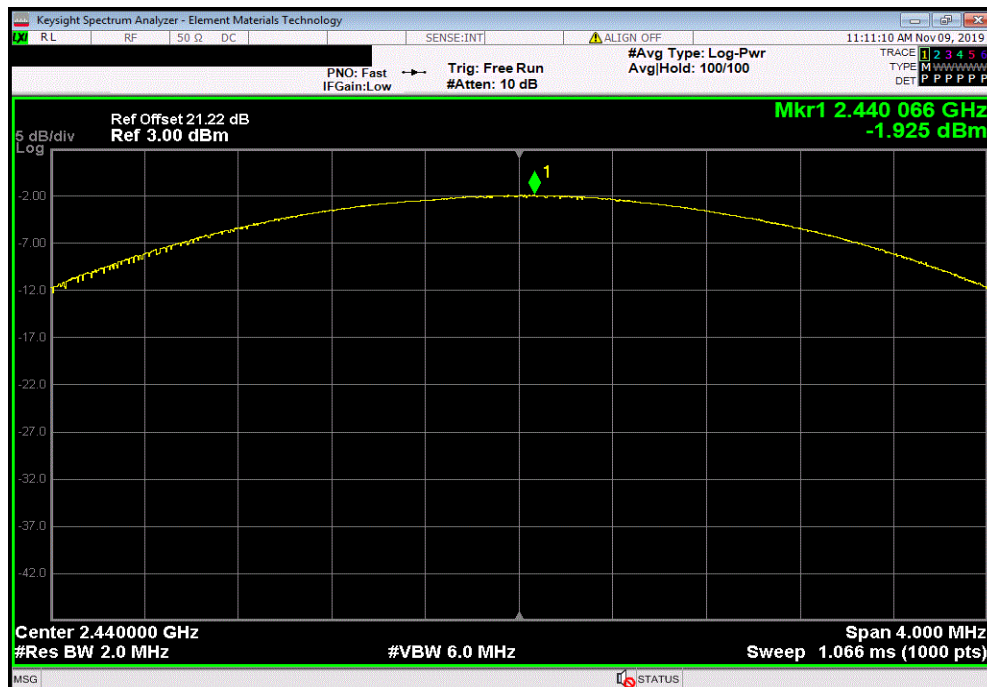


TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, Low Channel						
	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
	-1.066	1.4	0.334	27	Pass	



3DH5, 8-DPSK, Mid Channel						
	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
	-1.925	1.4	-0.525	27	Pass	

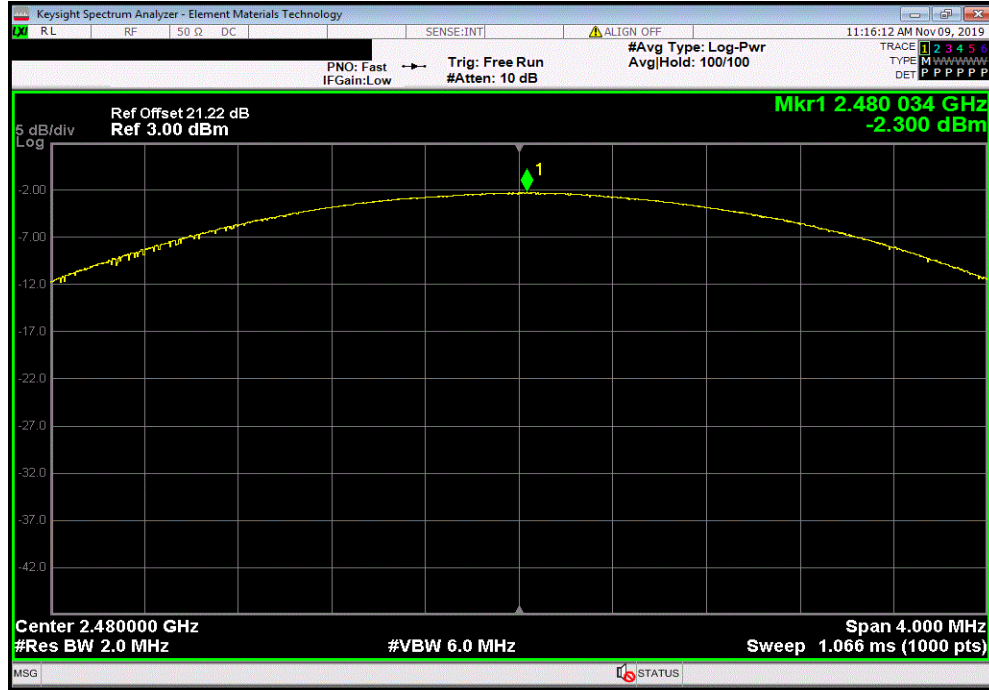


EQUIVALENT ISOTROPIC RADIATED POWER (EIRP)



TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, High Channel					
Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Result	
-2.3	1.4	-0.9	27	Pass	



BAND EDGE COMPLIANCE



XMIT 2019.09.05

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TEST EQUIPMENT

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Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to low and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet in a no hop mode. The channels closest to the band edges were selected.

The spectrum was scanned below the lower band edge and above the higher band edge.

BAND EDGE COMPLIANCE



TMTx 2019.08.30.0 XMt 2019.09.05

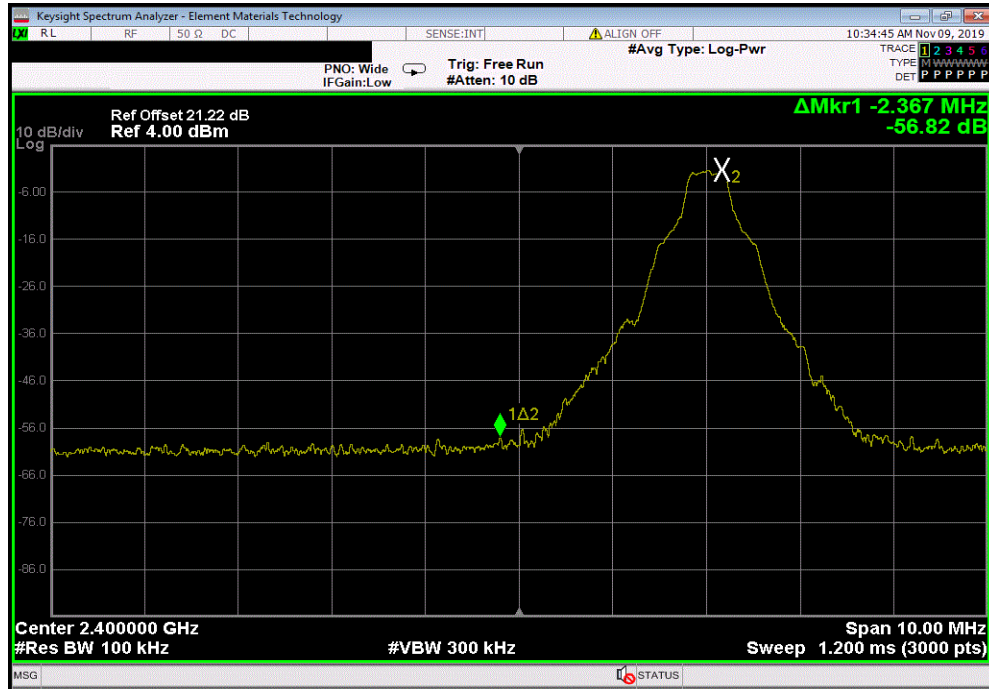
EUT: V300		Work Order: WTV0027	
Serial Number: 63		Date: 8-Nov-19	
Customer: WatchGuard Video		Temperature: 23.2 °C	
Attendees: Navaid Karimi		Humidity: 26.2% RH	
Project: None		Barometric Pres.: 1035 mbar	
Tested by: Jonathan Kiefer		Power: Battery	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2019		ANSI C63.10:2013	
COMMENTS			
Low Ch 2402MHz, Mid Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable).			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	4	Signature <i>Jonathan Kiefer</i>	
		Value (dBc)	Limit ≤ (dBc) Result
DH5, GFSK			
	Low Channel	-56.82	-20 Pass
	High Channel	-55.69	-20 Pass
2DH5, pi/4-DQPSK			
	Low Channel	-49.02	-20 Pass
	High Channel	-55.98	-20 Pass
3DH5, 8-DPSK			
	Low Channel	-48.11	-20 Pass
	High Channel	-52.95	-20 Pass

BAND EDGE COMPLIANCE

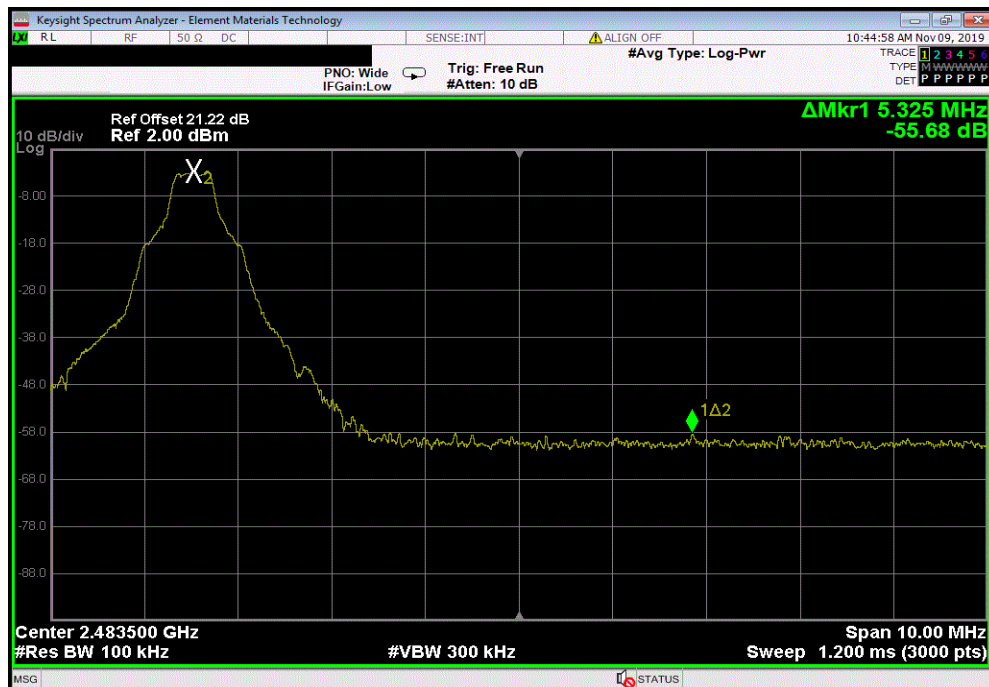


TbTb 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, Low Channel						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.82	-20	Pass



DH5, GFSK, High Channel						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.69	-20	Pass

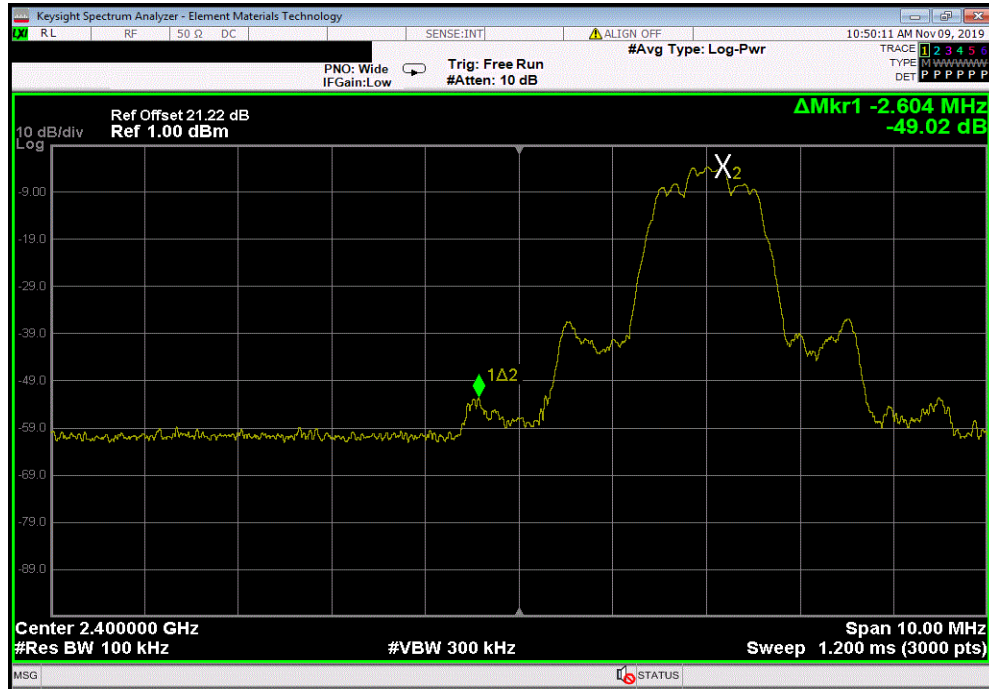


BAND EDGE COMPLIANCE

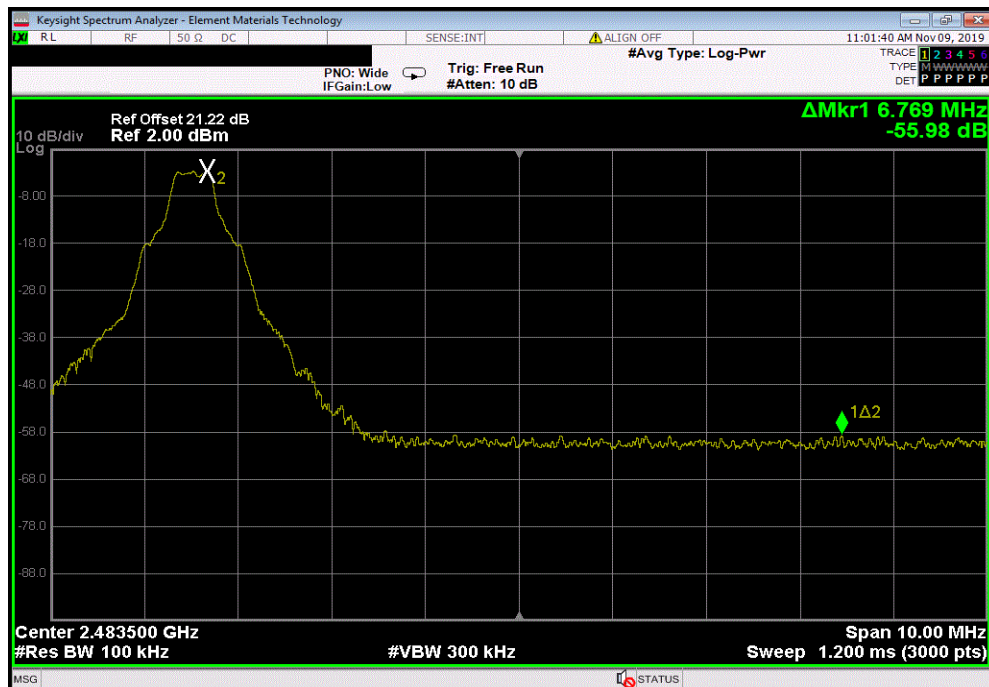


TbTx 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, Low Channel						
				Value (dBc)	Limit ≤ (dBc)	Result
				-49.02	-20	Pass



2DH5, pi/4-DQPSK, High Channel						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.98	-20	Pass

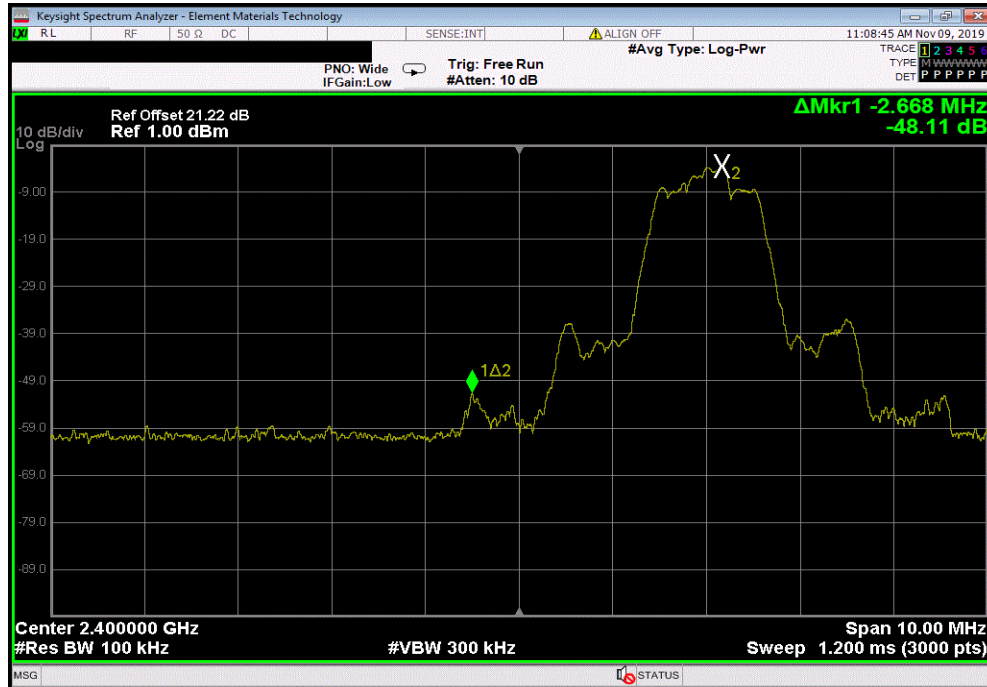


BAND EDGE COMPLIANCE



TbTtx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, Low Channel						
				Value (dBc)	Limit ≤ (dBc)	Result
				-48.11	-20	Pass



3DH5, 8-DPSK, High Channel						
				Value (dBc)	Limit ≤ (dBc)	Result
				-52.95	-20	Pass



BAND EDGE COMPLIANCE -HOPPING MODE



XMI 2019.09.05

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TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to its normal pseudo-random hopping sequence. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

BAND EDGE COMPLIANCE -HOPPING MODE



TMTx 2019.08.30.0 XMI 2019.09.05

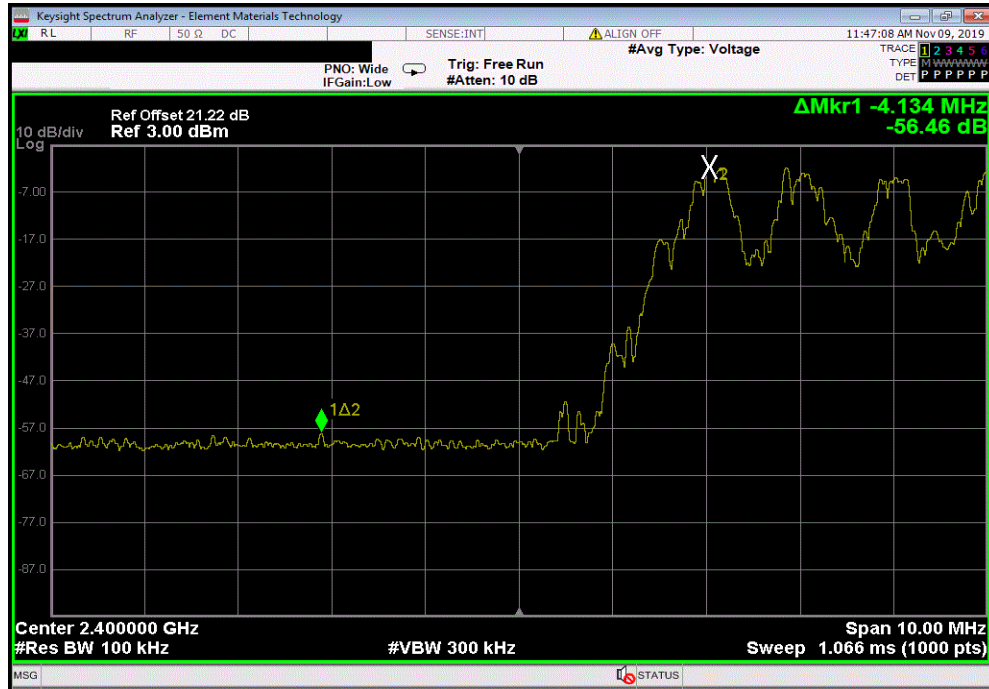
EUT: V300		Work Order: WTV0027	
Serial Number: 63		Date: 8-Nov-19	
Customer: WatchGuard Video		Temperature: 23.2 °C	
Attendees: Navaid Karimi		Humidity: 26.2% RH	
Project: None		Barometric Pres.: 1035 mbar	
Tested by: Jonathan Kiefer		Power: Battery	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2019		ANSI C63.10:2013	
COMMENTS			
Reference Offset 21.22 dB (20dB attenuator+dc block+cable).			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	4	Signature <i>Jonathan Kiefer</i>	
		Value (dBc)	Limit ≤ (dBc) Result
Hopping Mode (All Channels)			
DH5, GFSK			
Low Channel, 2402 MHz		-56.46	-20 Pass
High Channel, 2480 MHz		-54.57	-20 Pass
2DH5, pi/4-DQPSK			
Low Channel, 2402 MHz		-55.25	-20 Pass
High Channel, 2480 MHz		-54.14	-20 Pass
3DH5, 8-DPSK			
Low Channel, 2402 MHz		-54.3	-20 Pass
High Channel, 2480 MHz		-53.6	-20 Pass

BAND EDGE COMPLIANCE -HOPPING MODE

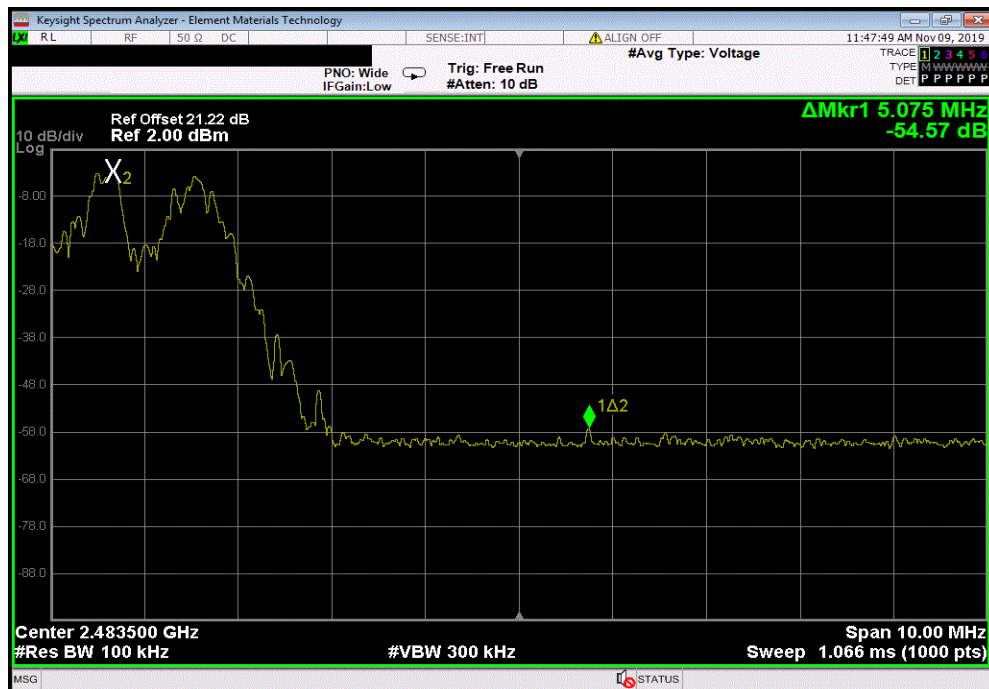


TbTtX 2019.08.30.0 XMI 2019.09.05

Hopping Mode (All Channels), DH5, GFSK, Low Channel, 2402 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.46	-20	Pass



Hopping Mode (All Channels), DH5, GFSK, High Channel, 2480 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-54.57	-20	Pass

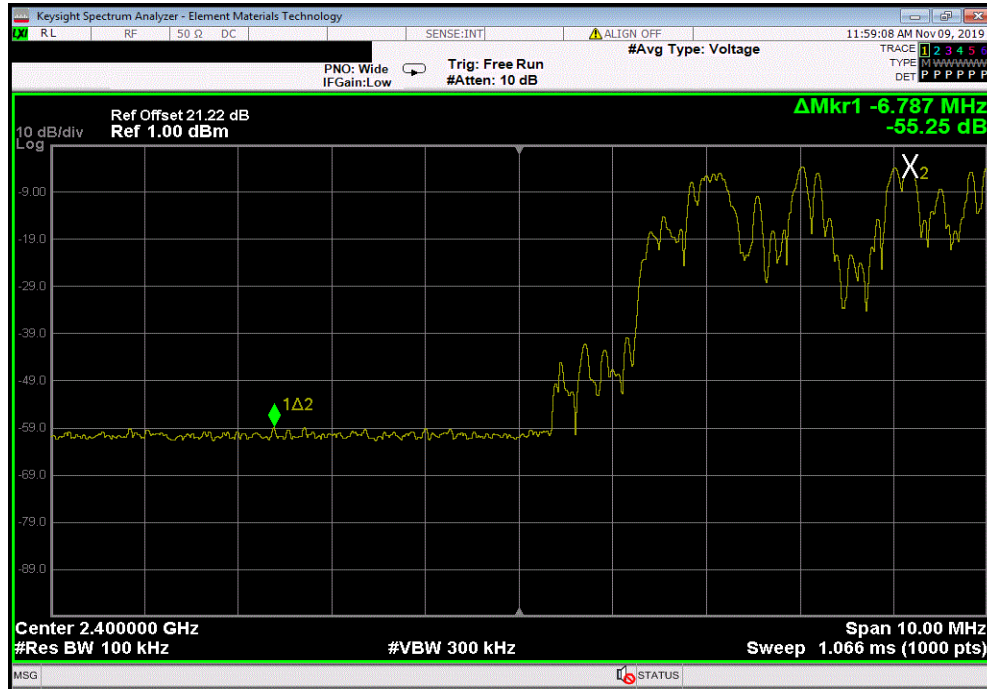


BAND EDGE COMPLIANCE -HOPPING MODE

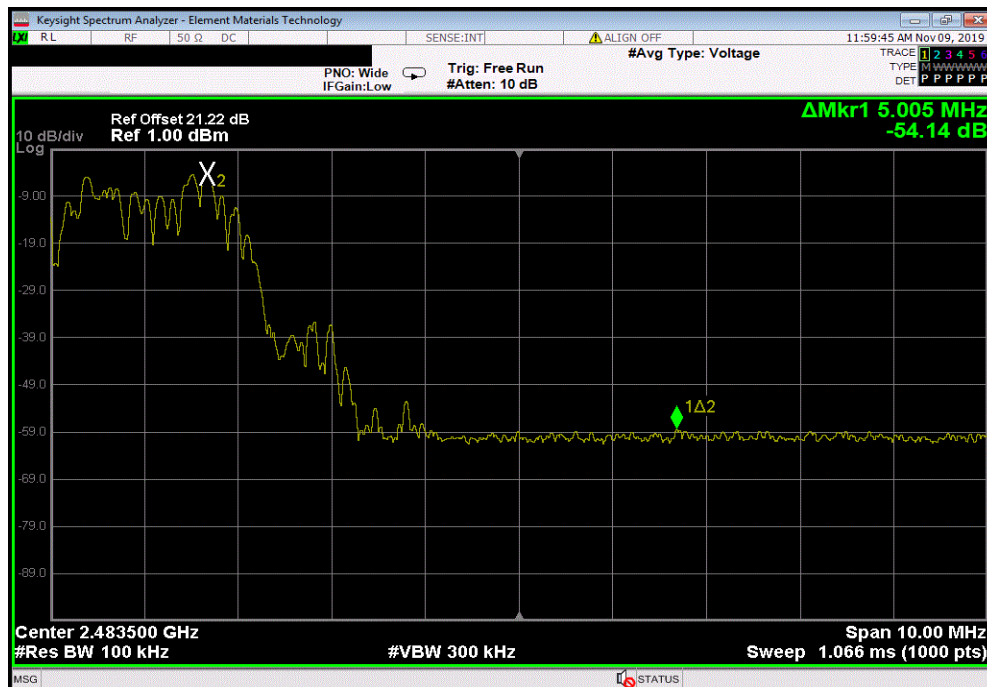


TbTtx 2019.08.30.0 XMI 2019.09.05

Hopping Mode (All Channels), 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.25	-20	Pass



Hopping Mode (All Channels), 2DH5, pi/4-DQPSK, High Channel, 2480 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-54.14	-20	Pass

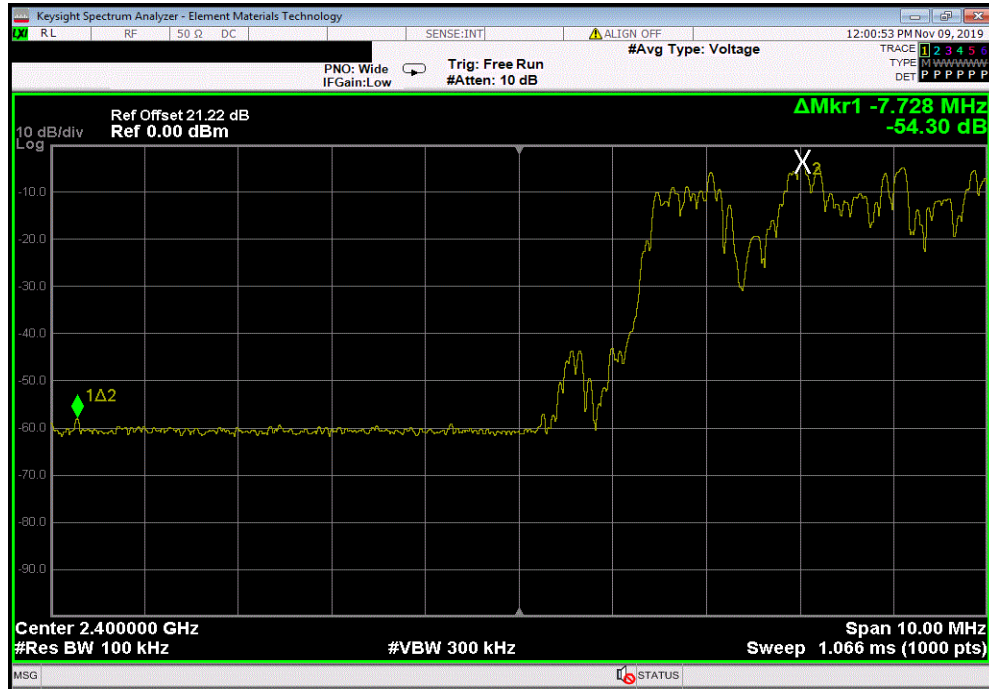


BAND EDGE COMPLIANCE -HOPPING MODE

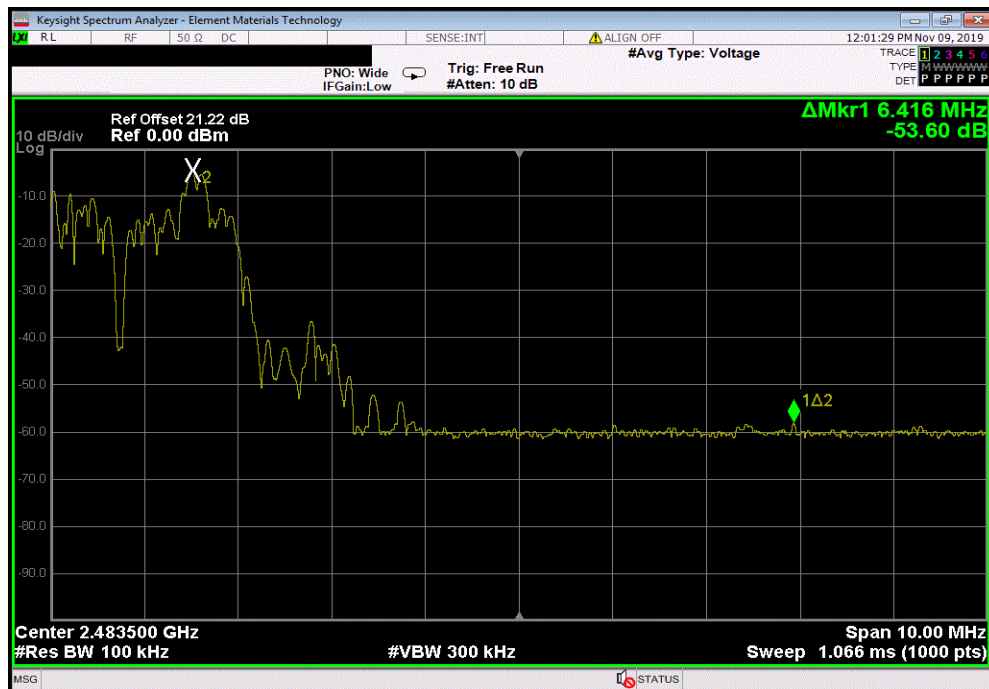


TM1Tx 2019.08.30.0 XMI 2019.09.05

Hopping Mode (All Channels), 3DH5, 8-DPSK, Low Channel, 2402 MHz						
	Value	Limit				
	(dBc)	≤ (dBc)				
	-54.3	-20				Pass



Hopping Mode (All Channels), 3DH5, 8-DPSK, High Channel, 2480 MHz						
	Value	Limit				
	(dBc)	≤ (dBc)				
	-53.6	-20				Pass



OCCUPIED BANDWIDTH



XMIT 2019.09.05

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TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The 20 dB occupied bandwidth was measured with the EUT set to low, medium and high transmit frequencies in the band. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode.

OCCUPIED BANDWIDTH



TMTx 2019.08.30.0 XMI 2019.09.05

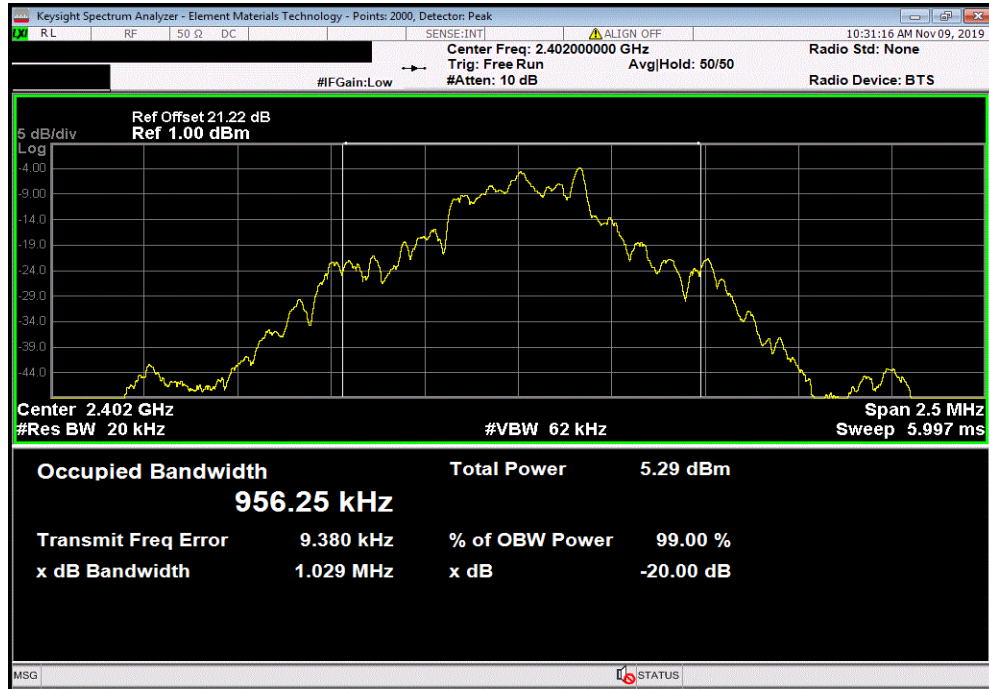
EUT: V300		Work Order: WTV0027	
Serial Number: 63		Date: 8-Nov-19	
Customer: WatchGuard Video		Temperature: 23.2 °C	
Attendees: Navaid Karimi		Humidity: 26.2% RH	
Project: None		Barometric Pres.: 1035 mbar	
Tested by: Jonathan Kiefer		Power: Battery	
		Job Site: TX09	
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2019		ANSI C63.10:2013	
COMMENTS			
Low Ch 2402MHz, Mid Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable).			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	4	Signature <i>Jonathan Kiefer</i>	
		Value	Limit (<)
DH5, GFSK			
	Low Channel	1.029 MHz	1.5 MHz
	Mid Channel	1.034 MHz	1.5 MHz
	High Channel	1.035 MHz	1.5 MHz
2DH5, pi/4-DQPSK			
	Low Channel	1.267 MHz	1.5 MHz
	Mid Channel	1.269 MHz	1.5 MHz
	High Channel	1.032 MHz	1.5 MHz
3DH5, 8-DPSK			
	Low Channel	1.217 MHz	1.5 MHz
	Mid Channel	1.209 MHz	1.5 MHz
	High Channel	1.22 MHz	1.5 MHz

OCCUPIED BANDWIDTH

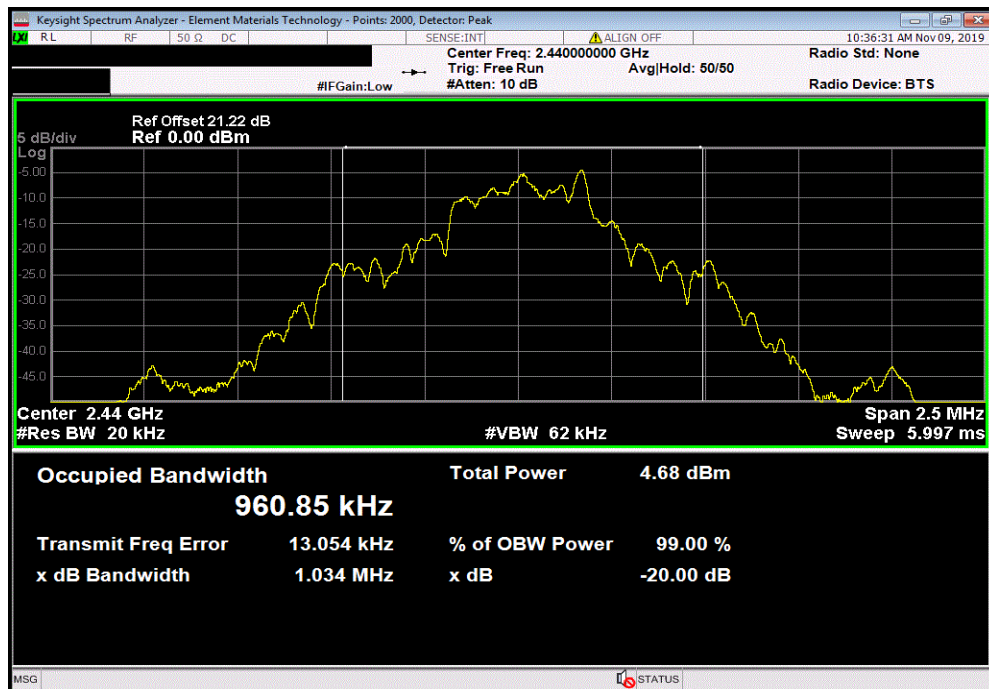


TbTx 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, Low Channel						
				Value	Limit (<)	Result
				1.029 MHz	1.5 MHz	Pass



DH5, GFSK, Mid Channel						
				Value	Limit (<)	Result
				1.034 MHz	1.5 MHz	Pass

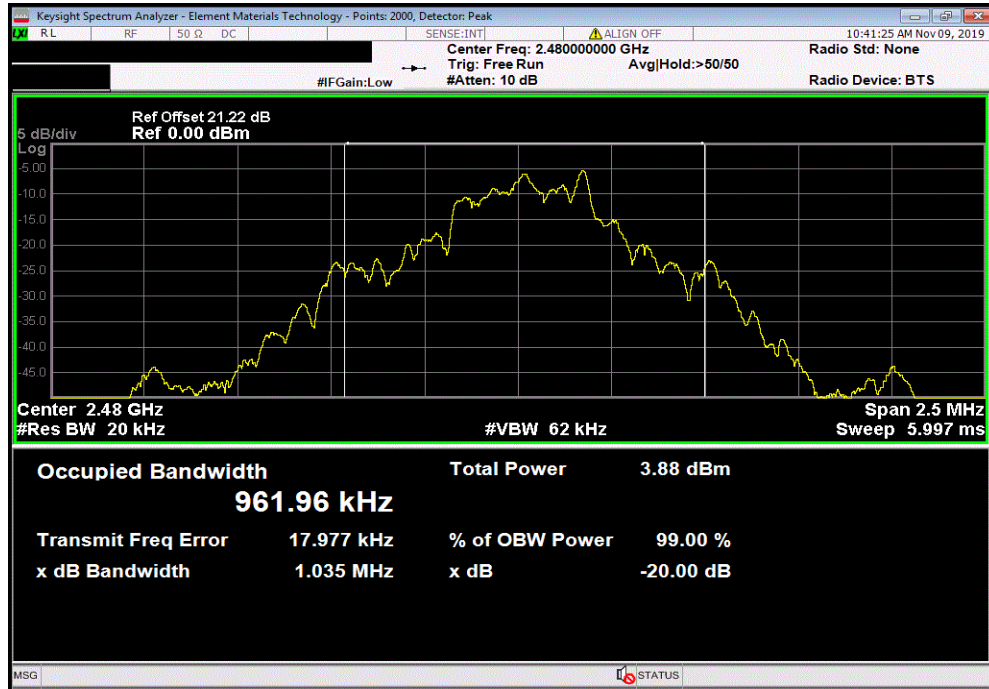


OCCUPIED BANDWIDTH

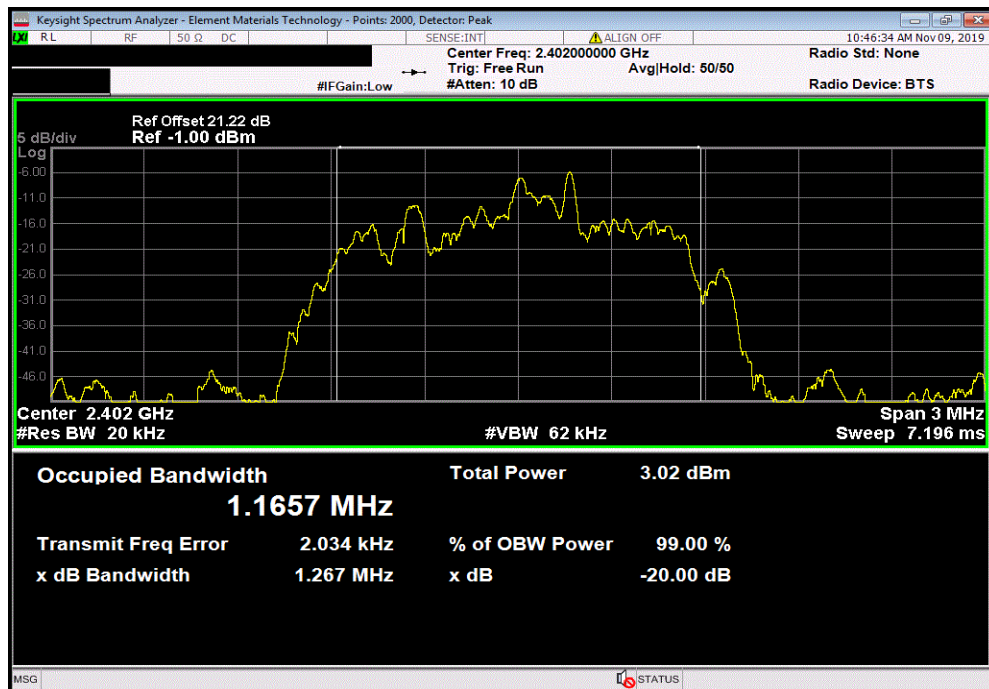


TbTx 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, High Channel						
				Value	Limit (<)	Result
				1.035 MHz	1.5 MHz	Pass



2DH5, pi/4-DQPSK, Low Channel						
				Value	Limit (<)	Result
				1.267 MHz	1.5 MHz	Pass

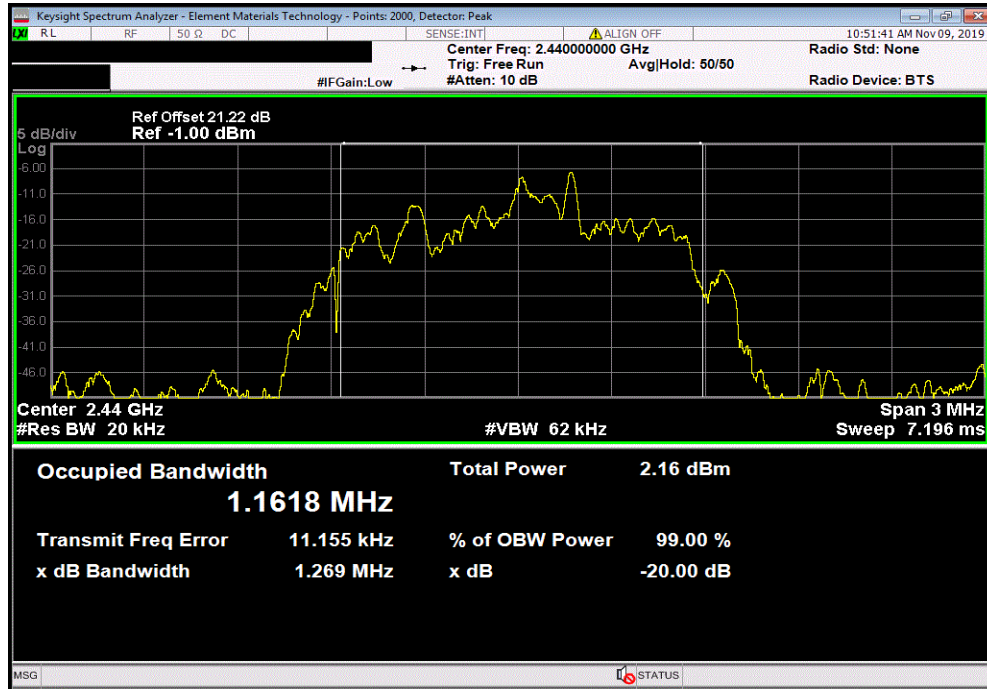


OCCUPIED BANDWIDTH

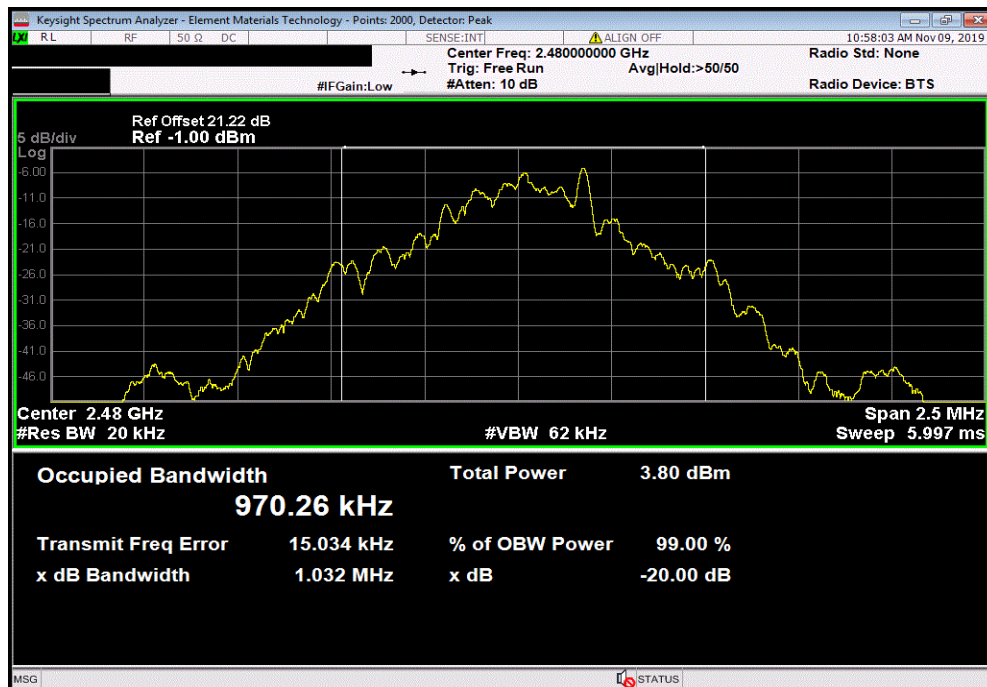


TbTtx 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, Mid Channel						
				Value	Limit (<)	Result
				1.269 MHz	1.5 MHz	Pass



2DH5, pi/4-DQPSK, High Channel						
				Value	Limit (<)	Result
				1.032 MHz	1.5 MHz	Pass

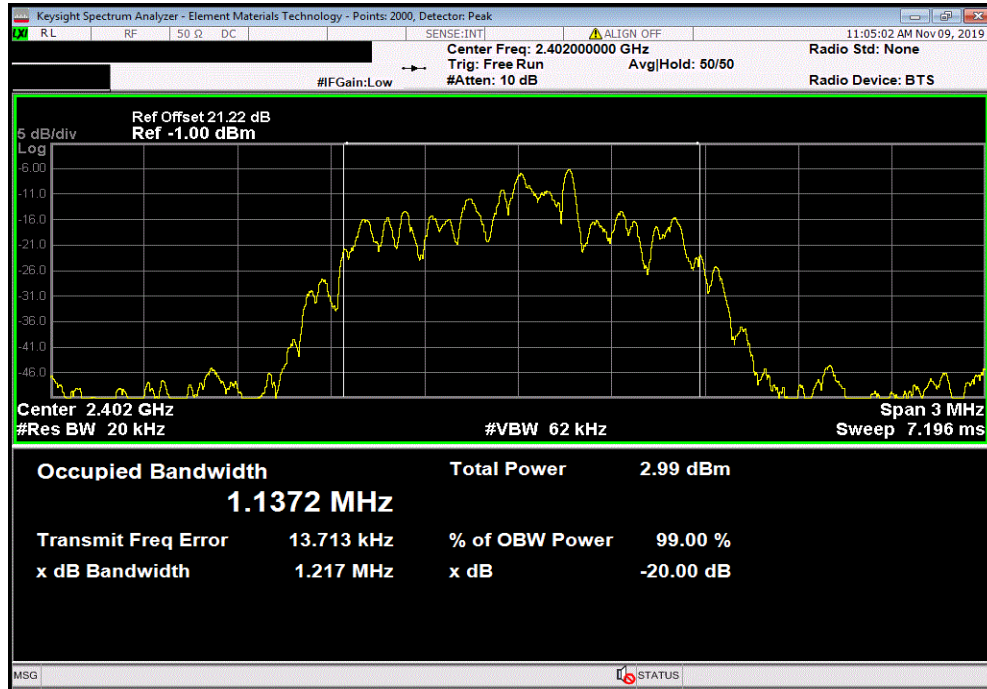


OCCUPIED BANDWIDTH

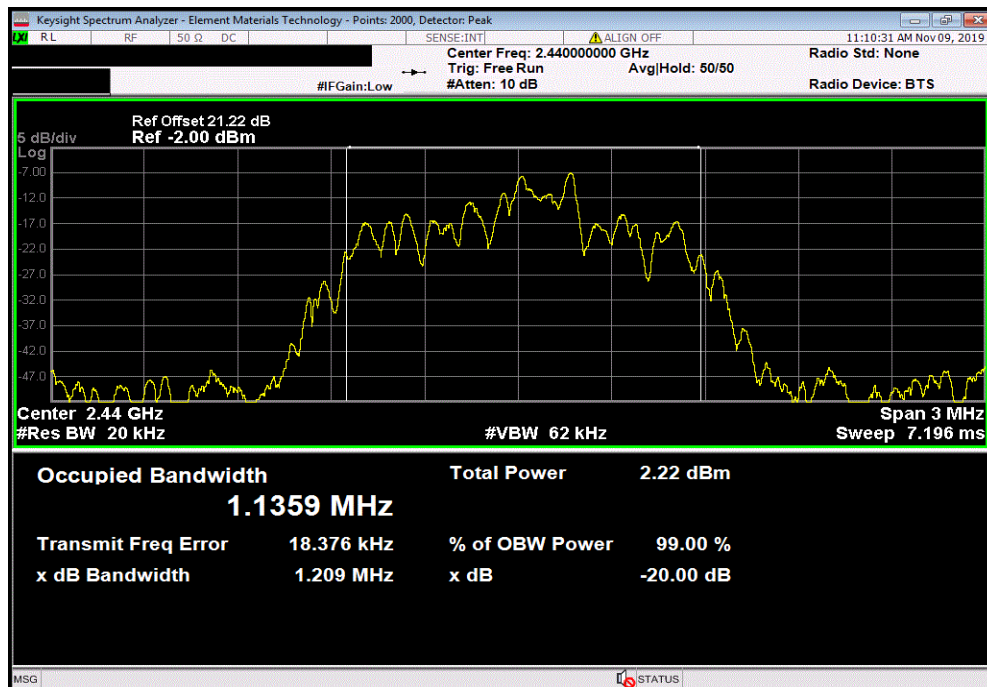


TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, Low Channel						
				Value	Limit (<)	Result
				1.217 MHz	1.5 MHz	Pass



3DH5, 8-DPSK, Mid Channel						
				Value	Limit (<)	Result
				1.209 MHz	1.5 MHz	Pass

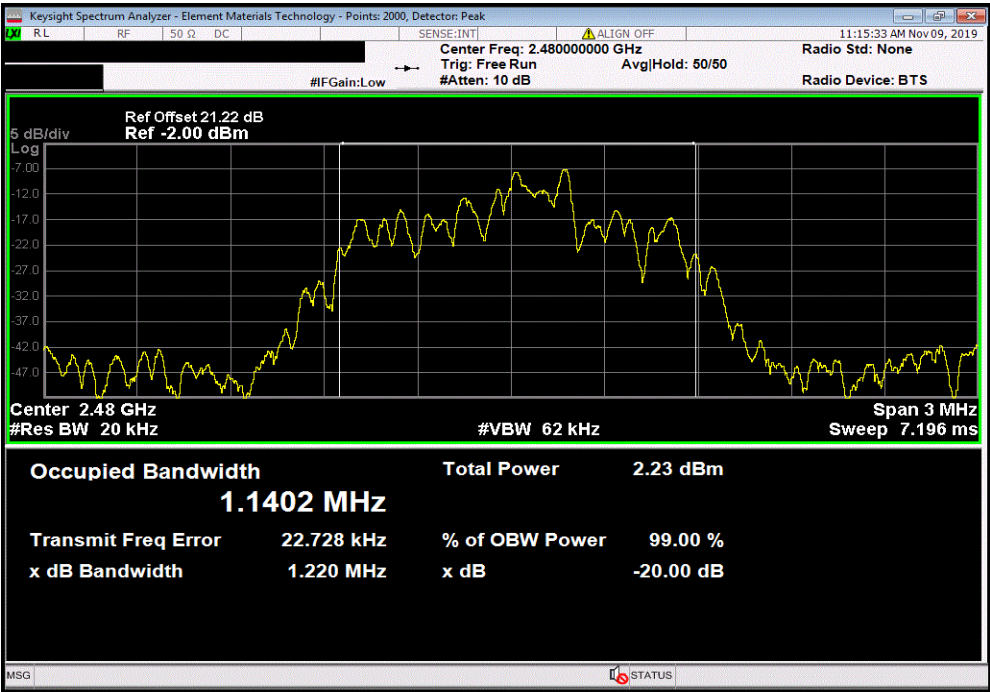


OCCUPIED BANDWIDTH



TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, High Channel						
				Value	Limit (<)	Result
				1.22 MHz	1.5 MHz	Pass



SPURIOUS CONDUCTED EMISSIONS



XMIT 2019.09.05

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Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

SPURIOUS CONDUCTED EMISSIONS



TMTx 2019.08.30.0 XMM 2019.09.05

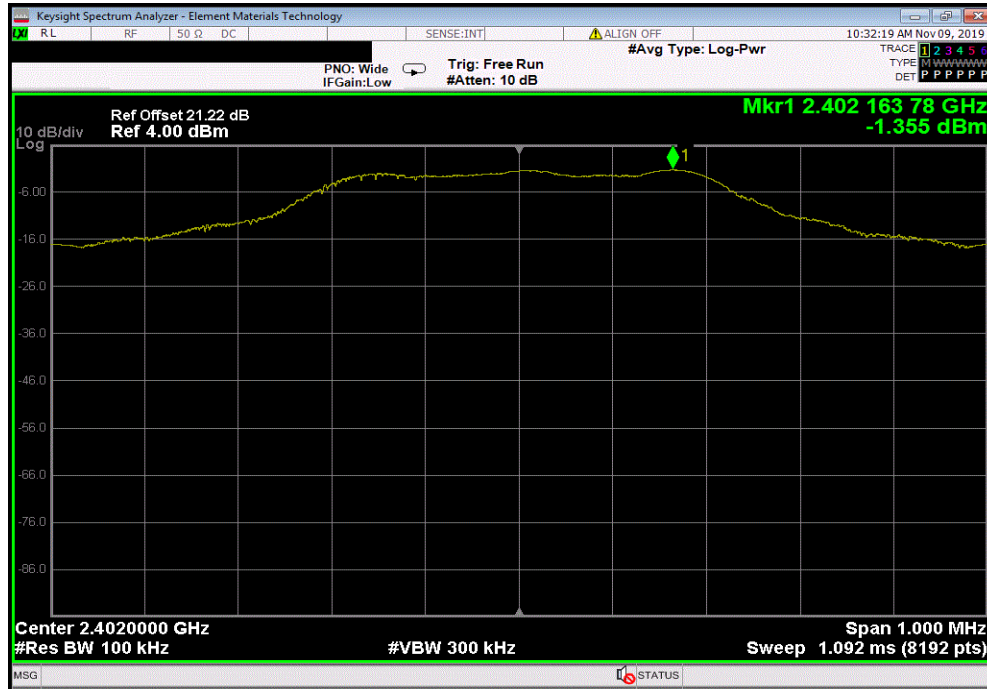
EUT: V300		Work Order: WTV0027	
Serial Number: 63		Date: 8-Nov-19	
Customer: WatchGuard Video		Temperature: 23.2 °C	
Attendees: Navaid Karimi		Humidity: 26.2% RH	
Project: None		Barometric Pres.: 1035 mbar	
Tested by: Jonathan Kiefer		Power: Battery	
Job Site: TX09			
TEST SPECIFICATIONS		Test Method	
FCC 15.247:2019		ANSI C63.10:2013	
COMMENTS			
Low Ch 2402MHz, Mid Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable).			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	4	Signature <i>Jonathan Kiefer</i>	
		Frequency Range	Measured Freq (MHz)
			Max Value (dBc)
			Limit ≤ (dBc)
			Result
DH5, GFSK			
	Low Channel	Fundamental	2402.16
	Low Channel	30 MHz - 12.5 GHz	5119.39
	Low Channel	12.5 GHz - 25 GHz	23879.87
	Mid Channel	Fundamental	2440.17
	Mid Channel	30 MHz - 12.5 GHz	3828.39
	Mid Channel	12.5 GHz - 25 GHz	24093.52
	High Channel	Fundamental	2480.17
	High Channel	30 MHz - 12.5 GHz	3845.14
	High Channel	12.5 GHz - 25 GHz	24760.41
2DH5, pi/4-DQPSK			
	Low Channel	Fundamental	2402.17
	Low Channel	30 MHz - 12.5 GHz	3816.22
	Low Channel	12.5 GHz - 25 GHz	23654.01
	Mid Channel	Fundamental	2440.17
	Mid Channel	30 MHz - 12.5 GHz	5101.12
	Mid Channel	12.5 GHz - 25 GHz	22520.14
	High Channel	Fundamental	2480.18
	High Channel	30 MHz - 12.5 GHz	3706.6
	High Channel	12.5 GHz - 25 GHz	23953.12
3DH5, 8-DPSK			
	Low Channel	Fundamental	2402.16
	Low Channel	30 MHz - 12.5 GHz	4757.06
	Low Channel	12.5 GHz - 25 GHz	24928.27
	Mid Channel	Fundamental	2440.17
	Mid Channel	30 MHz - 12.5 GHz	3111.34
	Mid Channel	12.5 GHz - 25 GHz	23812.72
	High Channel	Fundamental	2480.17
	High Channel	30 MHz - 12.5 GHz	3240.75
	High Channel	12.5 GHz - 25 GHz	24383.47

SPURIOUS CONDUCTED EMISSIONS

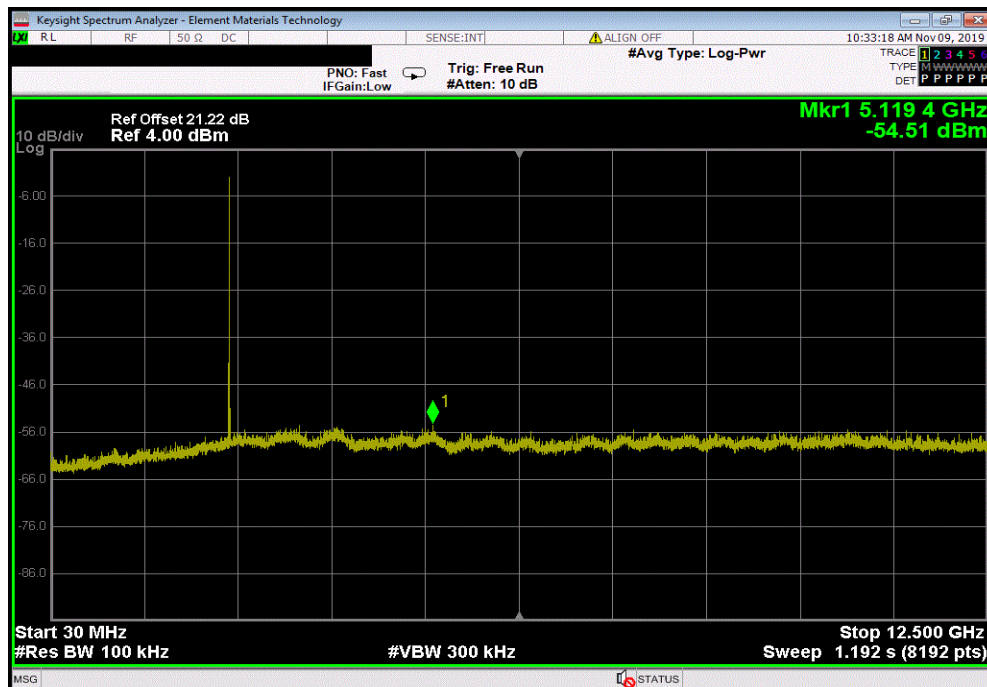


TbTx 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, Low Channel						
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	2402.16	N/A	N/A	N/A		



DH5, GFSK, Low Channel						
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	5119.39	-53.15	-20	Pass		

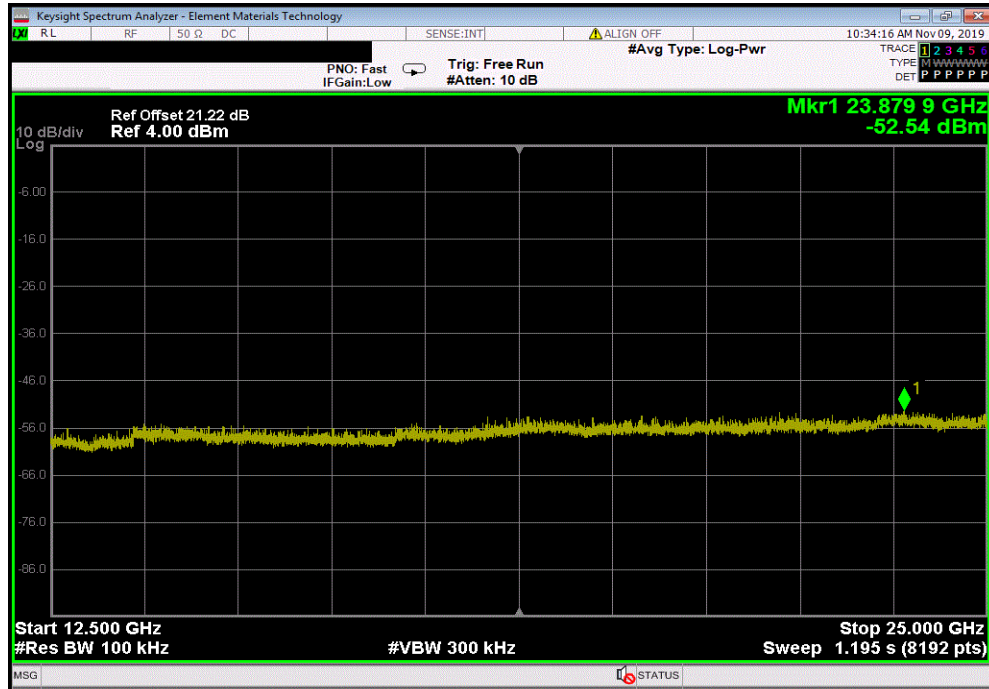


SPURIOUS CONDUCTED EMISSIONS

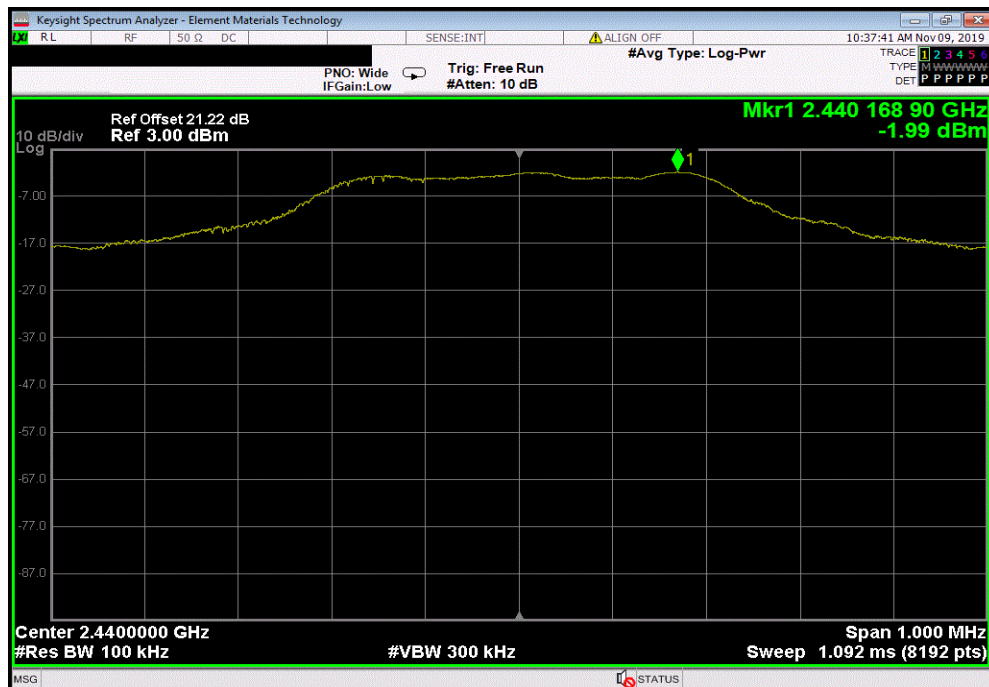


TbTtX 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	23879.87	-51.18	-20	Pass	



DH5, GFSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2440.17	N/A	N/A	N/A	

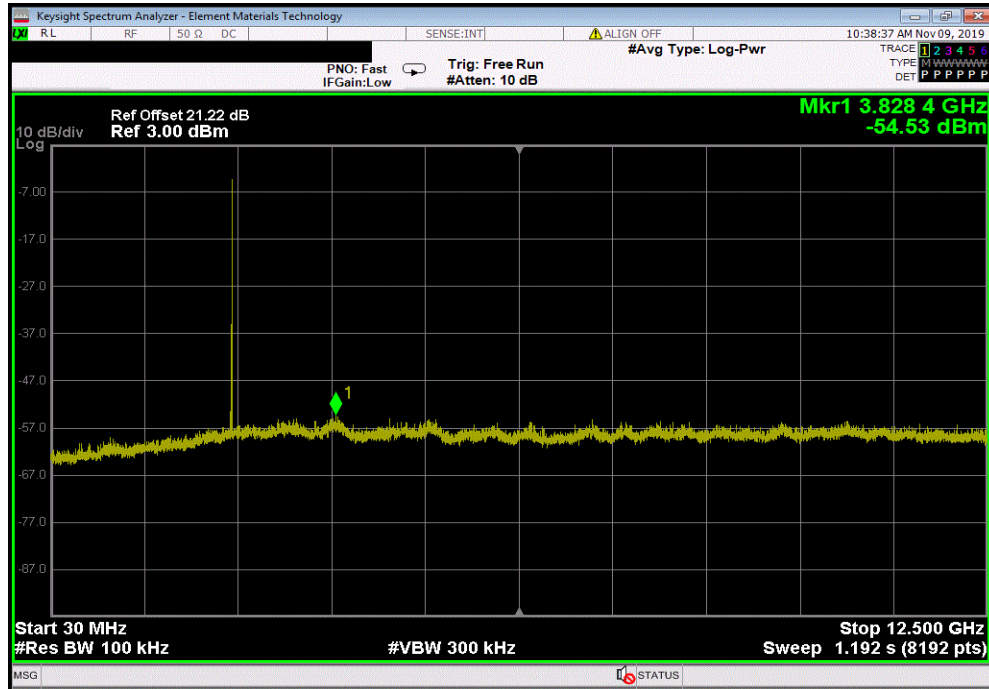


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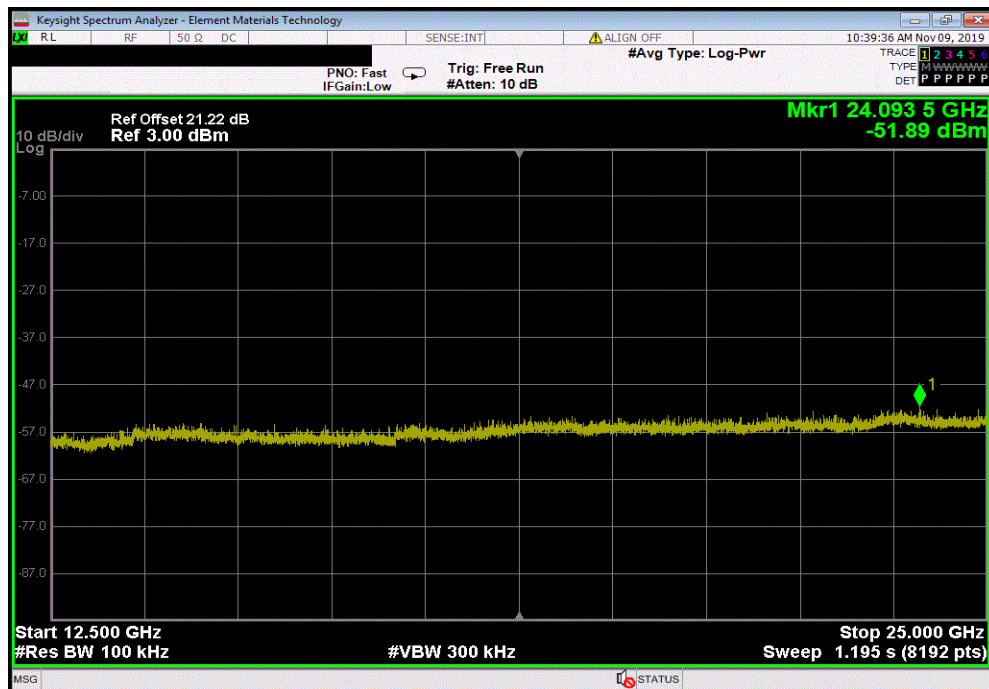


TbTtX 2019.08.30.0 XMt 2019.09.05

DH5, GFSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	3828.39	-52.54	-20	Pass	



DH5, GFSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	24093.52	-49.9	-20	Pass	

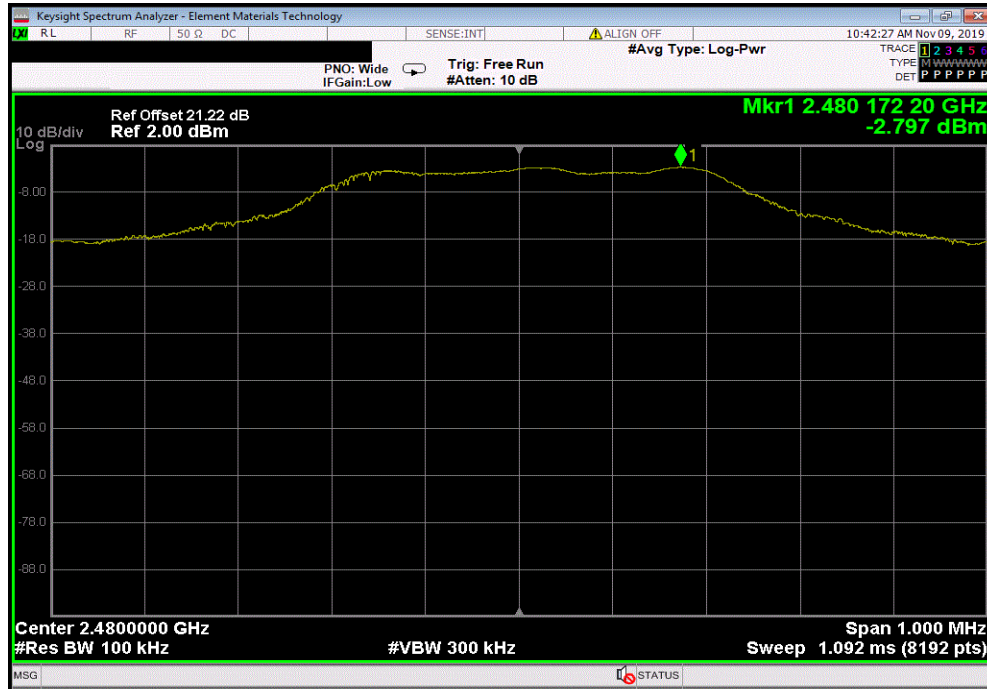


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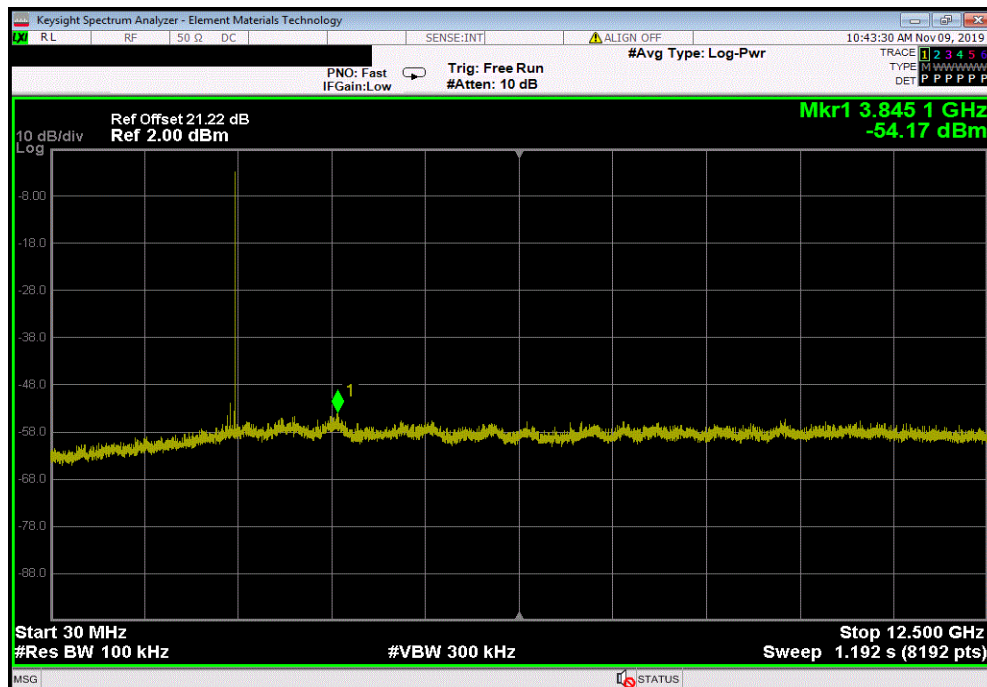


TbTtX 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2480.17	N/A	N/A	N/A	



DH5, GFSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	3845.14	-51.37	-20	Pass	

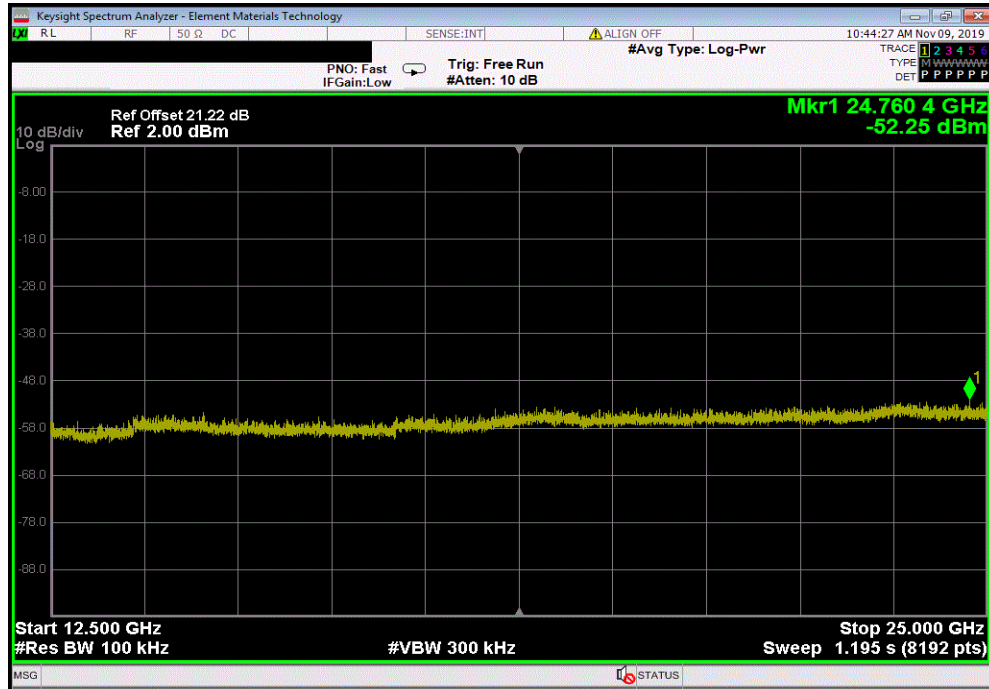


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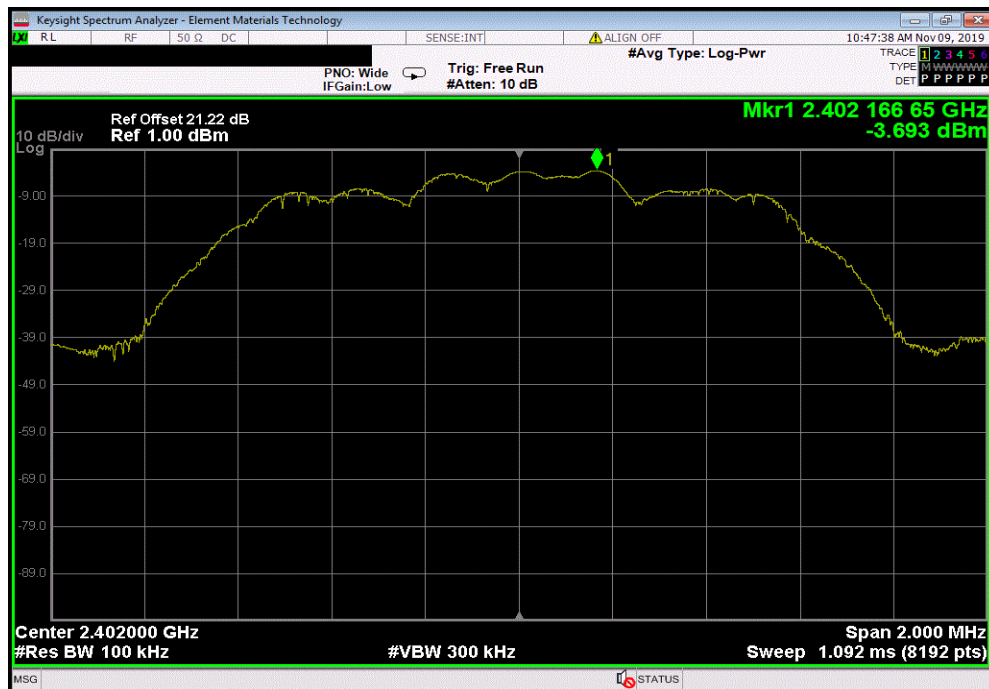


TbTx 2019.08.30.0 XMI 2019.09.05

DH5, GFSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	24760.41	-49.45	-20	Pass	



2DH5, pi/4-DQPSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2402.17	N/A	N/A	N/A	

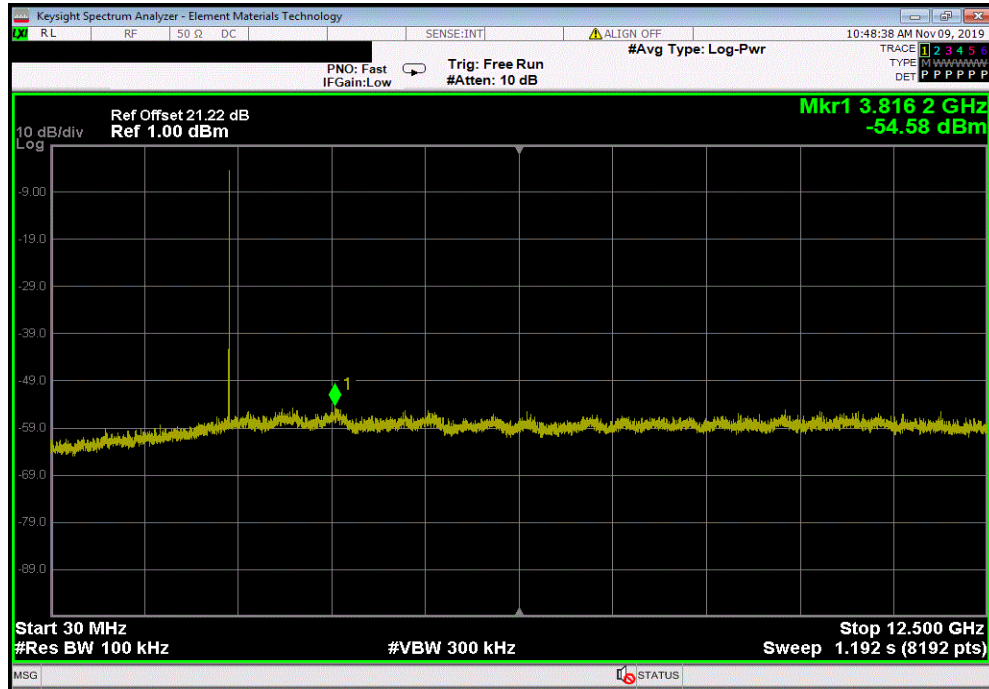


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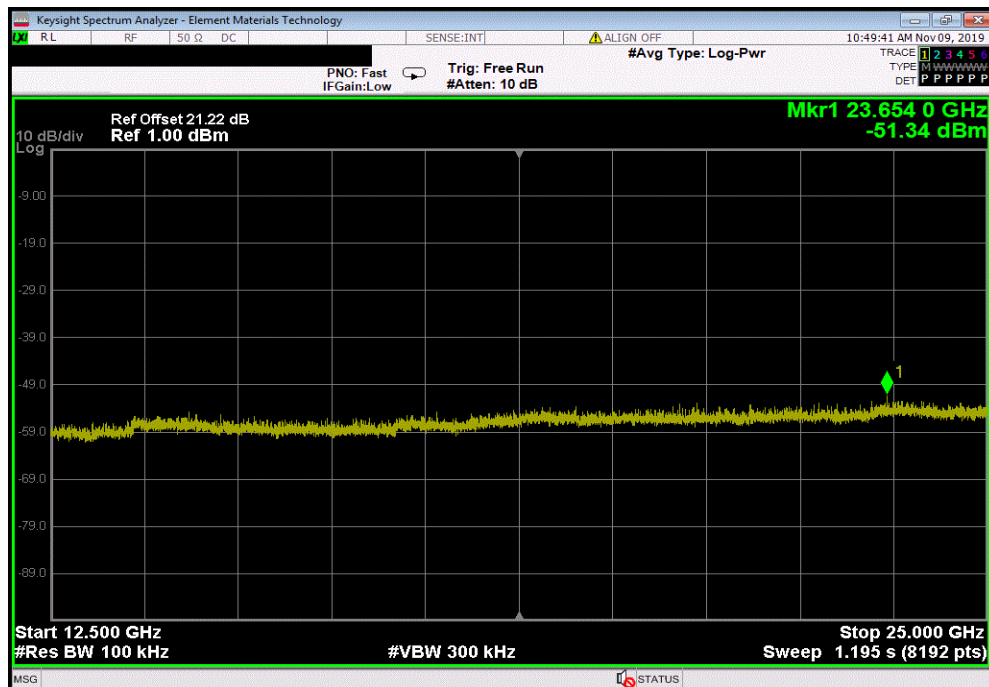


TbTtX 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	3816.22	-50.89	-20	Pass	



2DH5, pi/4-DQPSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	23654.01	-47.65	-20	Pass	

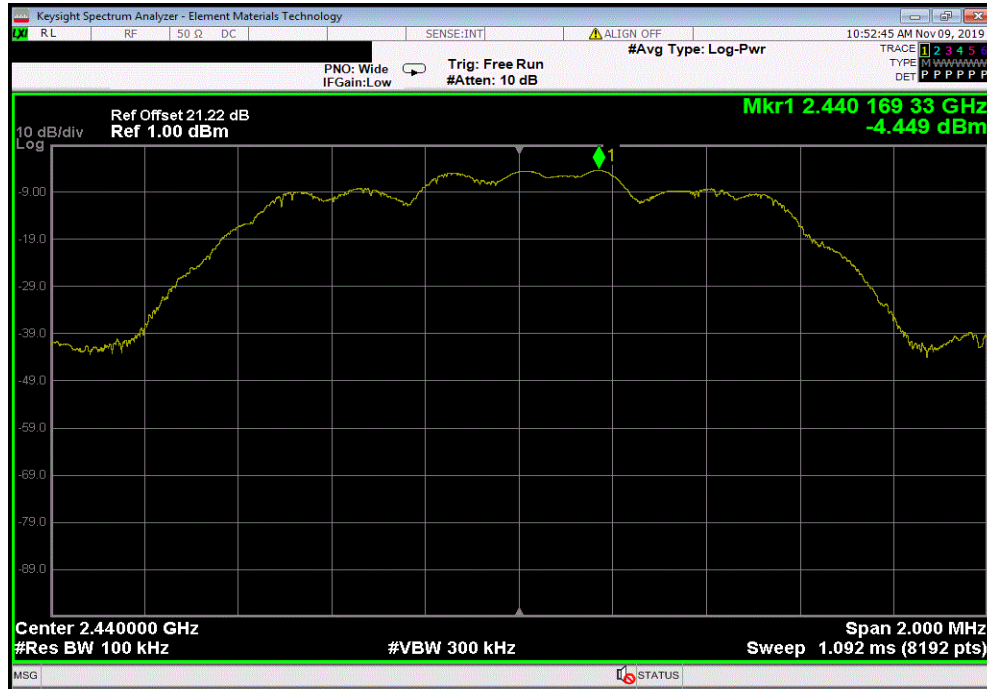


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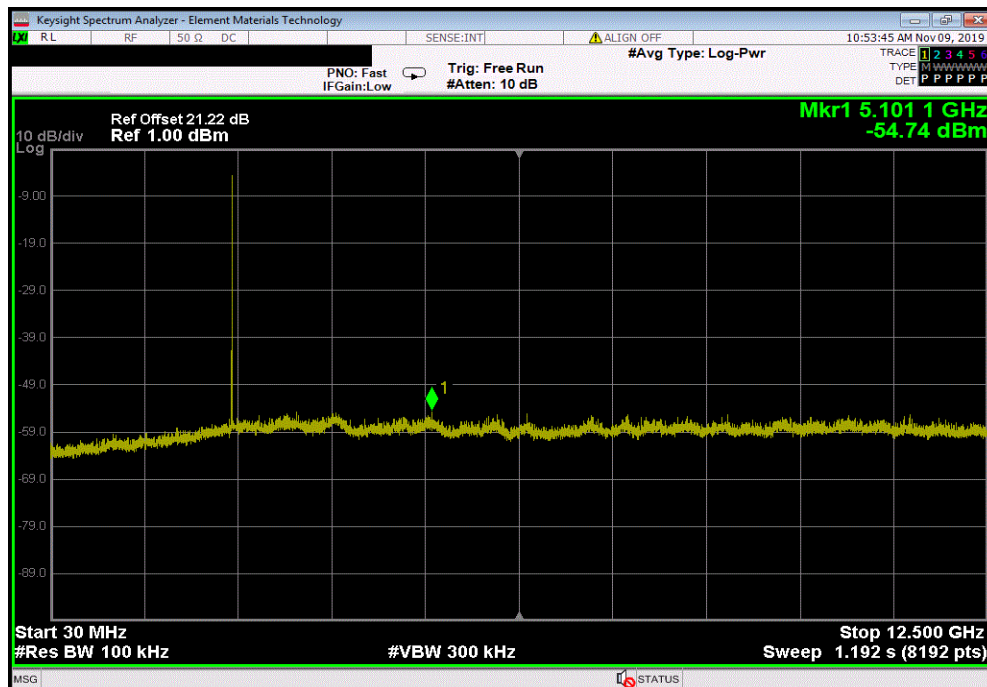


TbTtx 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, Mid Channel						
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	2440.17	N/A	N/A	N/A		



2DH5, pi/4-DQPSK, Mid Channel						
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	5101.12	-50.29	-20	Pass		

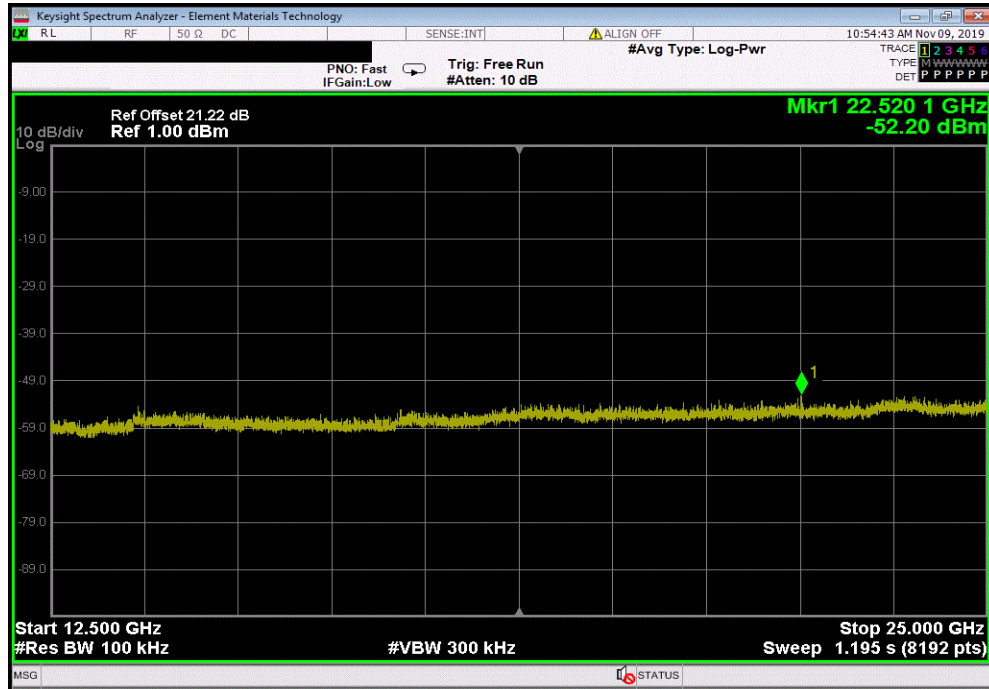


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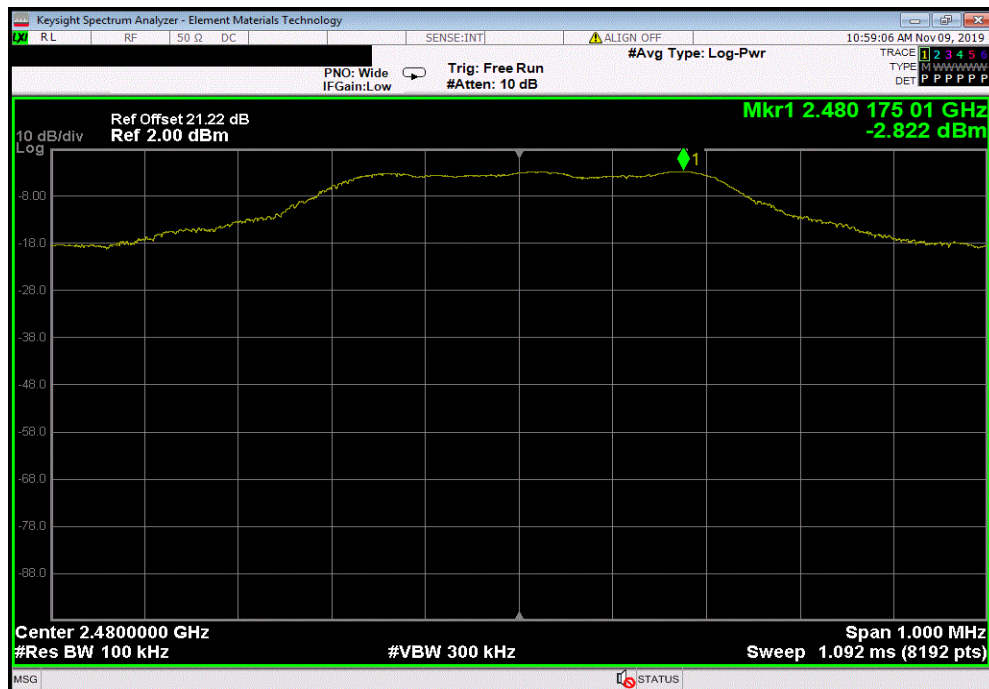


TbTtX 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	22520.14	-47.75	-20	Pass	



2DH5, pi/4-DQPSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2480.18	N/A	N/A	N/A	

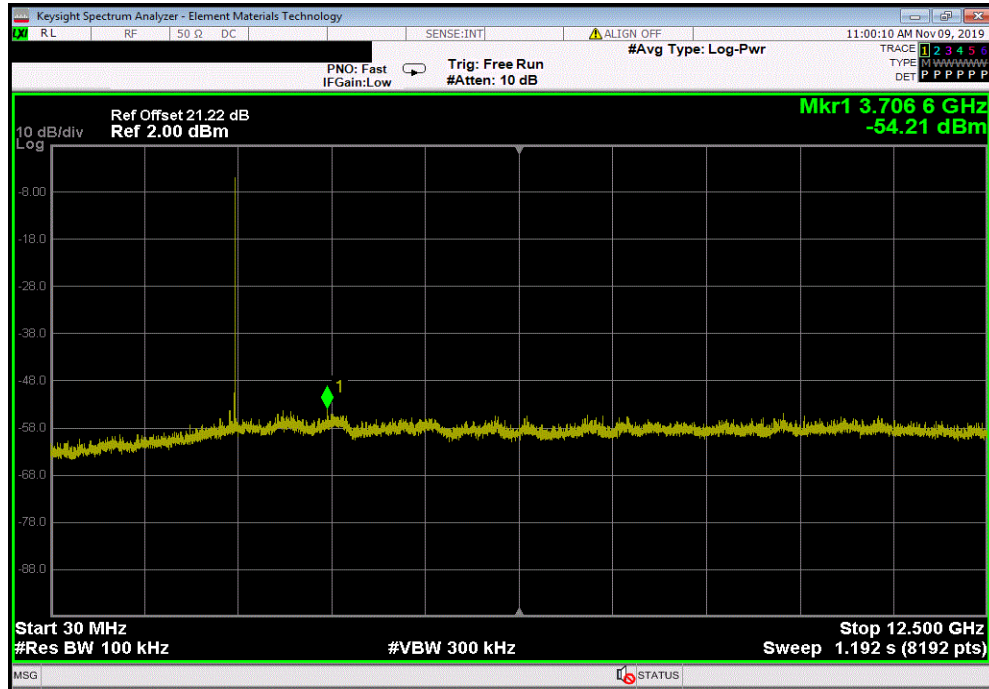


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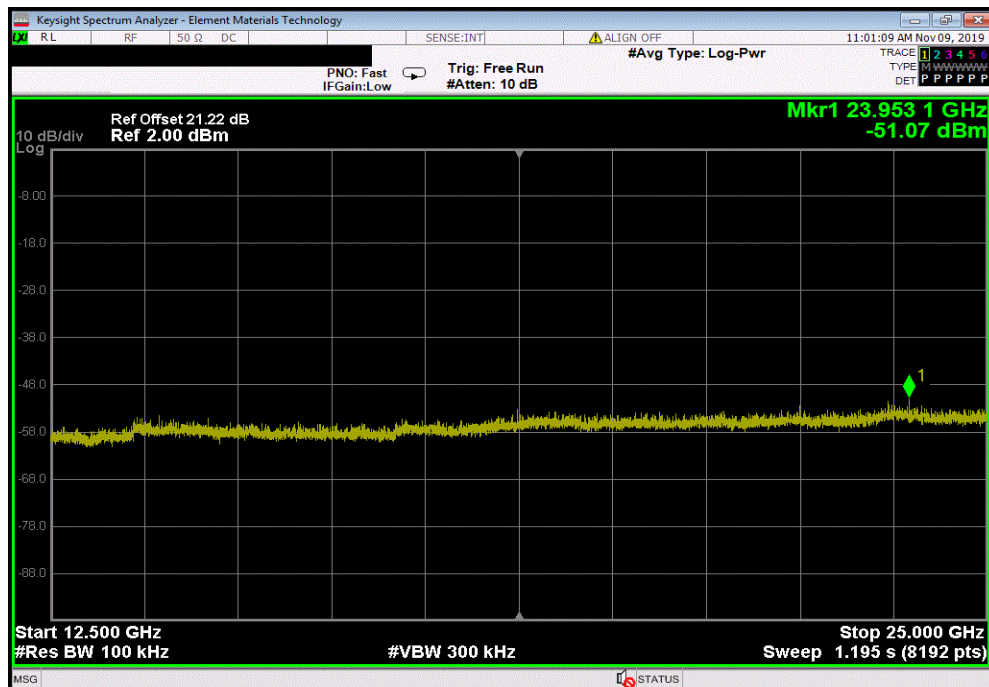


TbTx 2019.08.30.0 XMI 2019.09.05

2DH5, pi/4-DQPSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	3706.6	-51.39	-20	Pass	



2DH5, pi/4-DQPSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	23953.12	-48.25	-20	Pass	

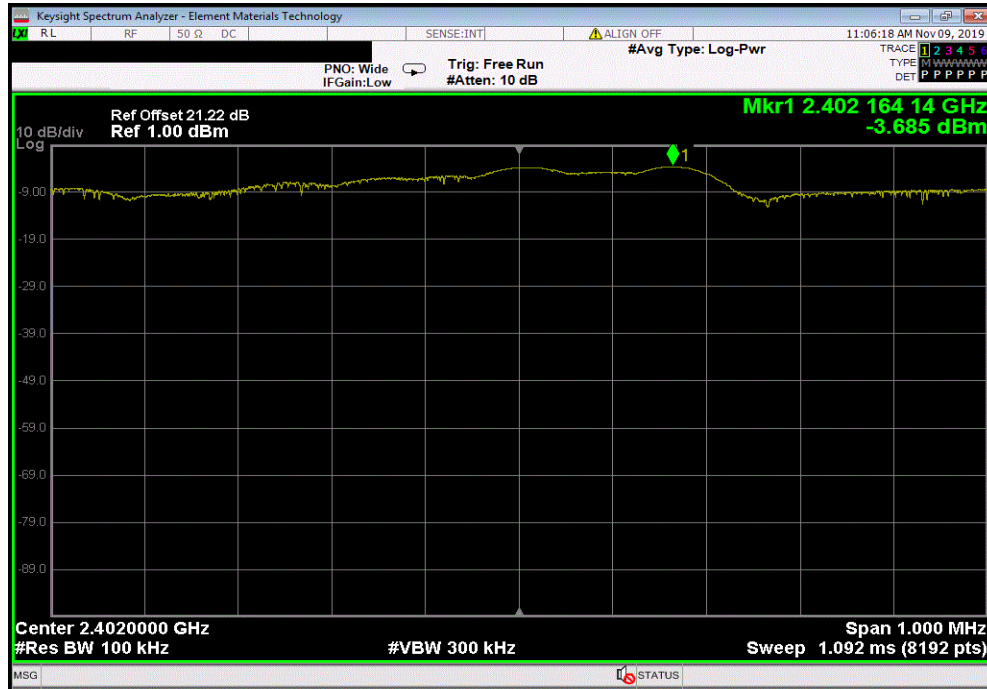


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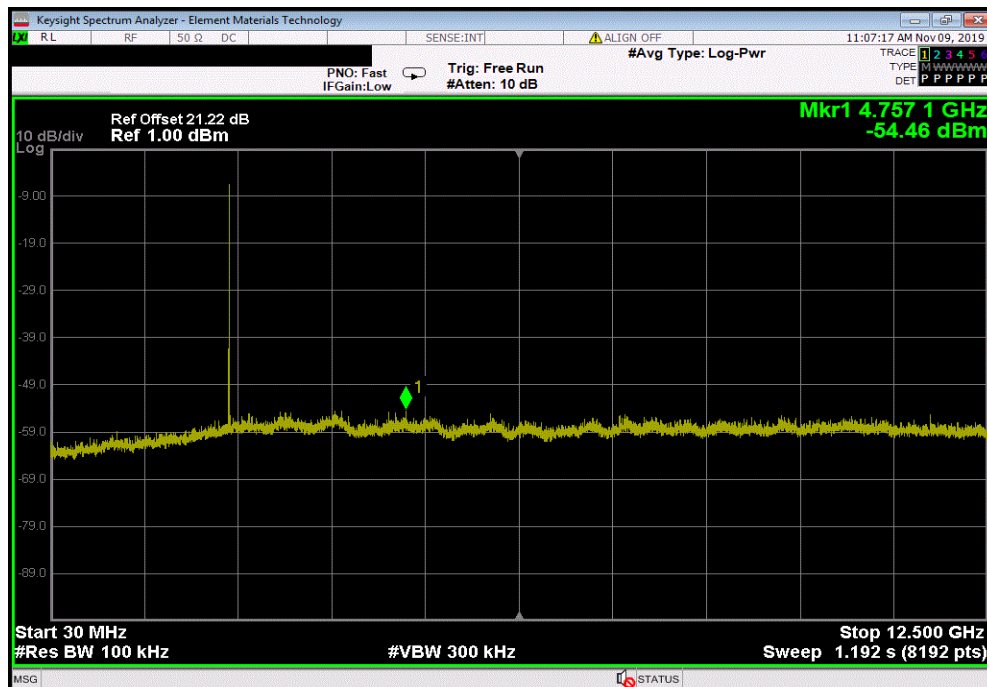


TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2402.16	N/A	N/A	N/A	



3DH5, 8-DPSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	4757.06	-50.77	-20	Pass	

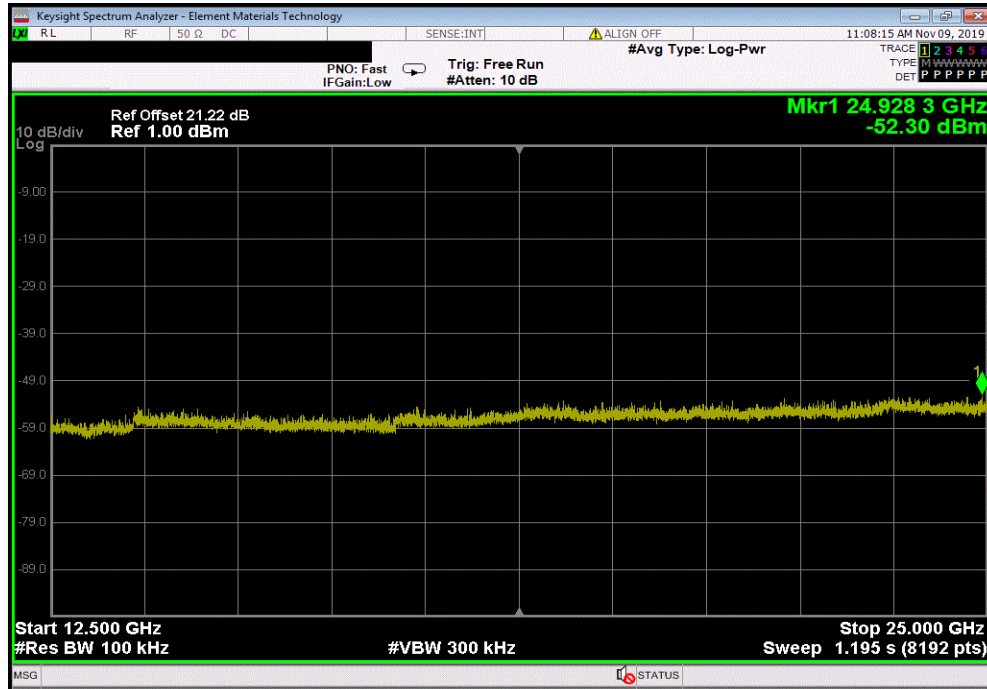


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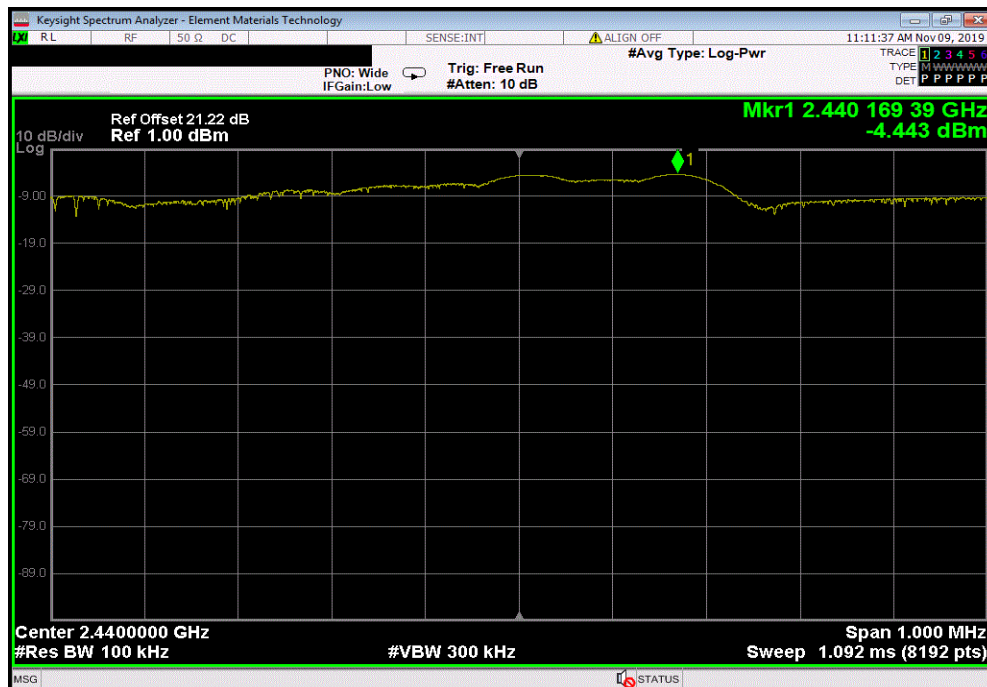


TMTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, Low Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	24928.27	-48.61	-20	Pass	



3DH5, 8-DPSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2440.17	N/A	N/A	N/A	

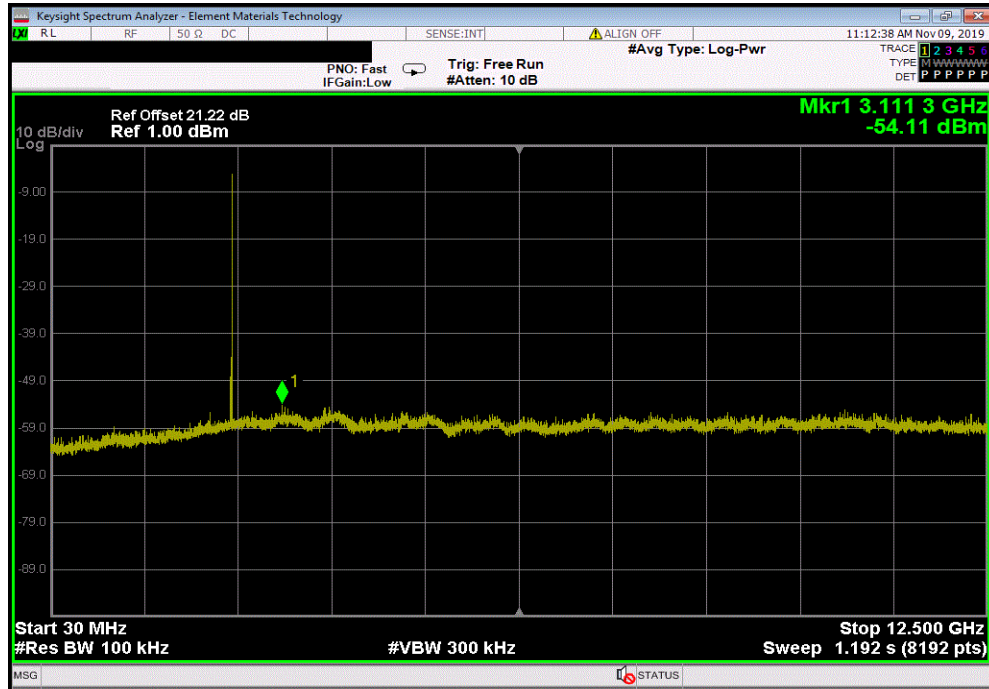


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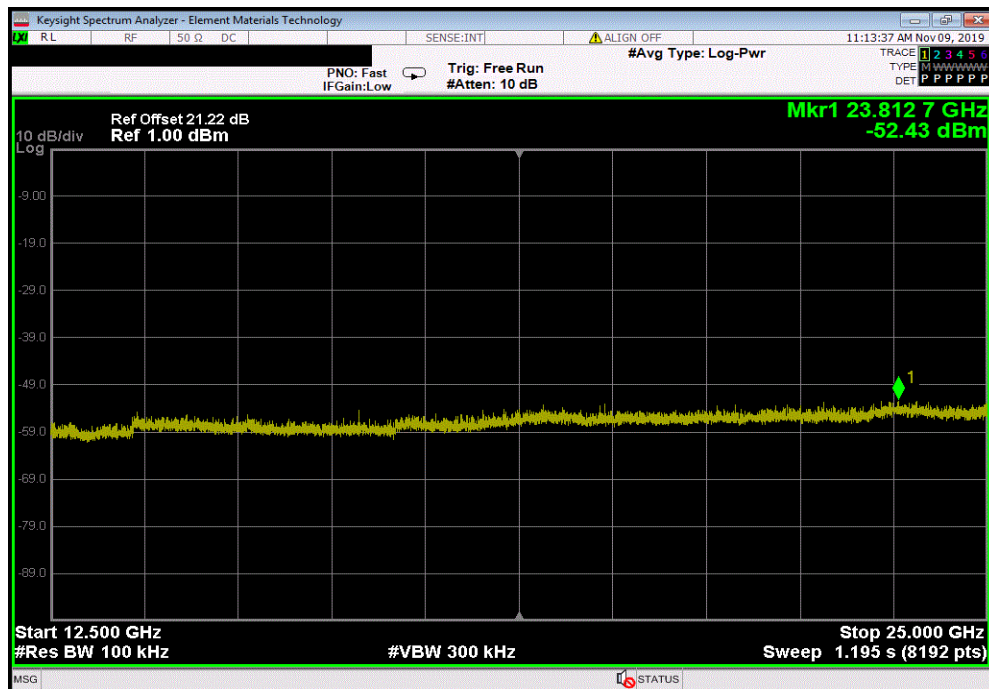


TbTtx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	3111.34	-49.67	-20	Pass	



3DH5, 8-DPSK, Mid Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	23812.72	-47.99	-20	Pass	

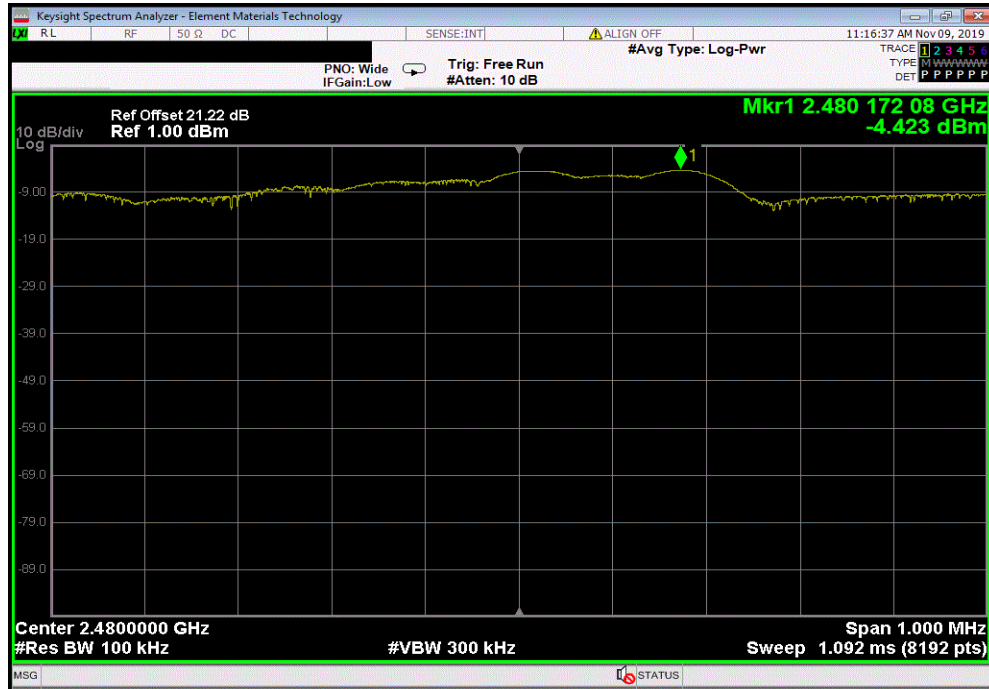


SPURIOUS CONDUCTED EMISSIONS

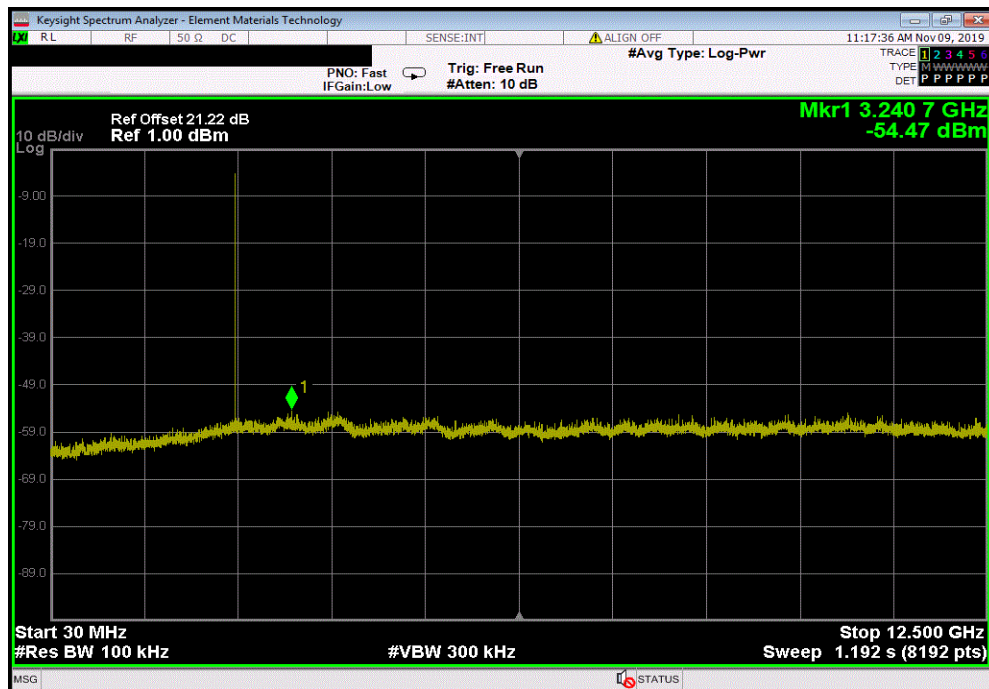


TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2480.17	N/A	N/A	N/A	



3DH5, 8-DPSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	3240.75	-50.05	-20	Pass	



SPURIOUS CONDUCTED EMISSIONS



TbTx 2019.08.30.0 XMI 2019.09.05

3DH5, 8-DPSK, High Channel					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	24383.47	-48.01	-20	Pass	

