

Page 81 of 123

Project Number Operation Band Fundamental Frequency

Operation Mode EUT Pol.

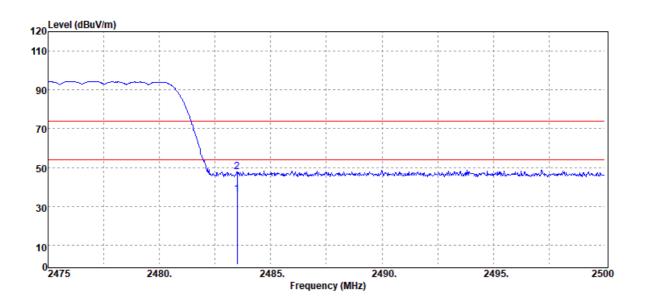
:T190506W05

:BT EDR Hopping :2480 MHz

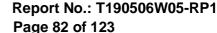
:BE CH High :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2483.50	Average	39.08	-2.83	36.25	54.00	-17.75
2483.50	Peak	50.49	-2.83	47.66	74.00	-26.34





Radiated Spurious Emission Measurement Result:

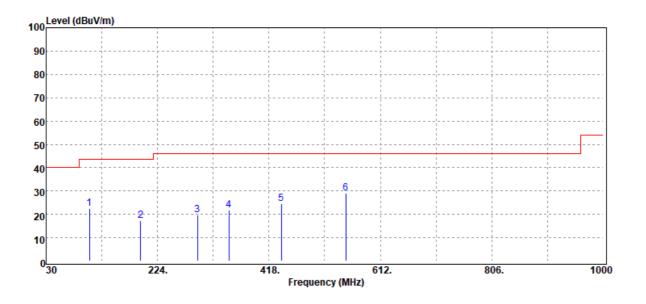
Frequency form 30MHz to 1000MHz

2ANT

Project Number :T190506W05 **Operation Band** :BT BR Fundamental Frequency :2441 MHz **Operation Mode** :Tx CH Mid EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :VERTICAL



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
105.66	Peak	33.40	-11.02	22.38	43.50	-21.12
194.90	Peak	27.36	-10.06	17.30	43.50	-26.20
293.84	Peak	28.06	-8.32	19.74	46.00	-26.26
348.16	Peak	29.09	-7.14	21.95	46.00	-24.05
439.34	Peak	28.69	-4.11	24.58	46.00	-21.42
551.86	Peak	31.33	-2.22	29.11	46.00	-16.89

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Offices otherwise stated the results shown in this east report reported only to the sample(s) lested and social sample(s) are retained to 90 days only.

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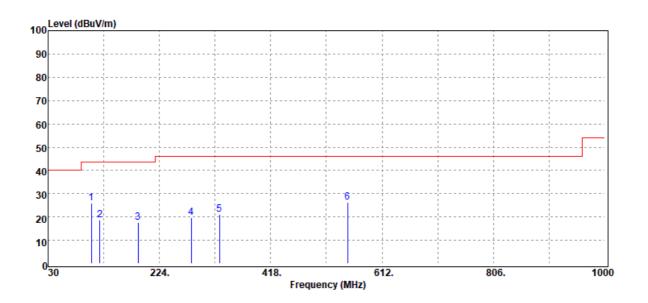


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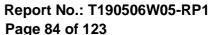
Project Number :T190506W05 **Operation Band** :BT BR Fundamental Frequency :2441 MHz **Operation Mode** :Tx CH Mid EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
 MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
105.66	Peak	36.84	-11.02	25.82	43.50	-17.68
120.21	Peak	27.49	-8.88	18.61	43.50	-24.89
187.14	Peak	28.69	-10.98	17.71	43.50	-25.79
279.29	Peak	28.21	-8.40	19.81	46.00	-26.19
328.76	Peak	28.20	-7.18	21.02	46.00	-24.98
551.86	Peak	28.46	-2.22	26.24	46.00	-19.76
				-		

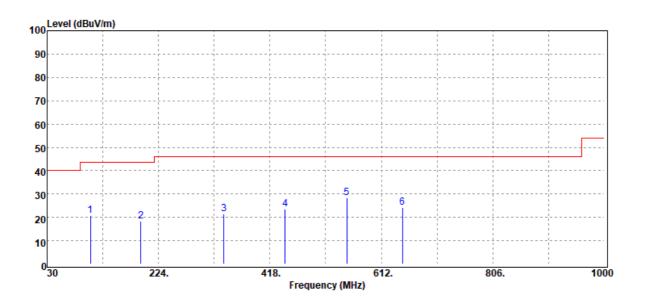




3ANT

Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2441 MHz :Tx CH Mid **Operation Mode** EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin	
	Mode	Reading Level		FS	@3m		
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB	_
105.66	Peak	31.80	-11.02	20.78	43.50	-22.72	
192.96	Peak	28.63	-10.44	18.19	43.50	-25.31	
337.49	Peak	28.43	-7.10	21.33	46.00	-24.67	
444.19	Peak	27.51	-4.11	23.40	46.00	-22.60	
551.86	Peak	30.74	-2.22	28.52	46.00	-17.48	
648.86	Peak	24.36	-0.08	24.28	46.00	-21.72	



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Project Number Operation Band Fundamental Frequency

Operation Mode EUT Pol.

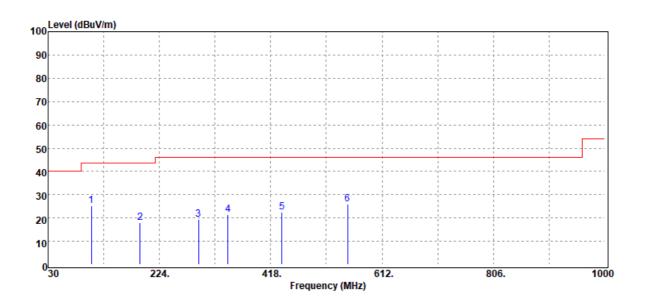
:T190506W05

:BT BR :2441 MHz

:Tx CH Mid :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
105.66	Peak	36.29	-11.02	25.27	43.50	-18.23
190.05	Peak	28.70	-10.77	17.93	43.50	-25.57
291.90	Peak	27.61	-8.33	19.28	46.00	-26.72
343.31	Peak	28.71	-7.14	21.57	46.00	-24.43
437.40	Peak	26.85	-4.26	22.59	46.00	-23.41
551.86	Peak	28.29	-2.22	26.07	46.00	-19.93



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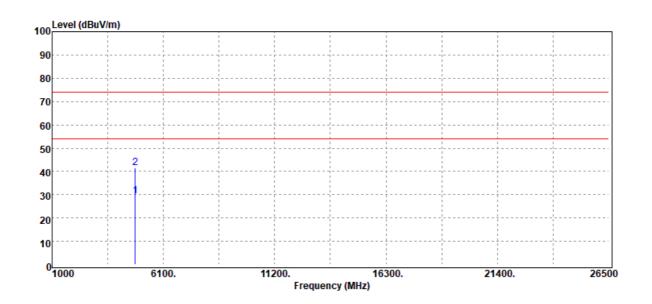
Frequency above 1 GHz

2ANT

:T190506W05 **Project Number Operation Band** :BT BR Fundamental Frequency :2402 MHz **Operation Mode** :Tx CH Low EUT Pol. :E2 Plan

Test Date :2019-05-21

Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	-
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4804.00	Average	26.47	3.05	29.52	54.00	-24.48
4804.00	Peak	38.41	3.05	41.46	74.00	-32.54

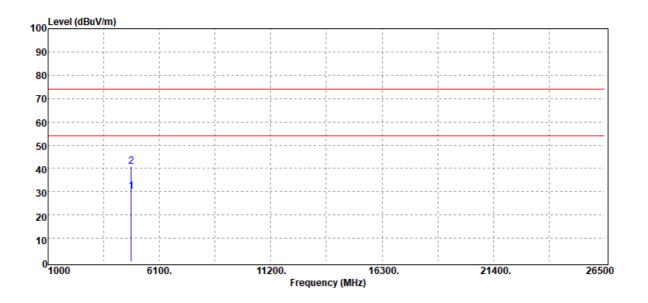


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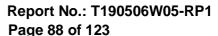
Project Number :T190506W05 **Operation Band** :BT BR Fundamental Frequency :2402 MHz **Operation Mode** :Tx CH Low EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



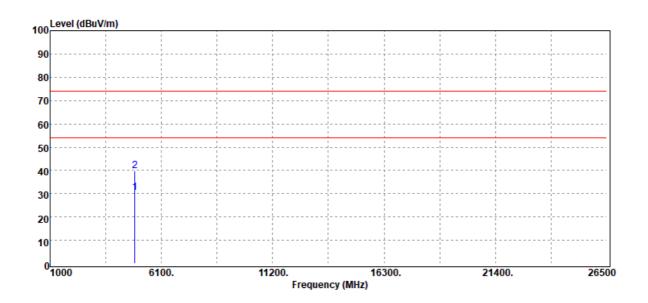
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4804.00	Average	27.04	3.05	30.09	54.00	-23.91
4804.00	Peak	37.82	3.05	40.87	74.00	-33.13





Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2441 MHz **Operation Mode** :Tx CH Mid EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4882.00	Average	27.09	3.38	30.47	54.00	-23.53
4882.00	Peak	36.28	3.38	39.66	74.00	-34.34

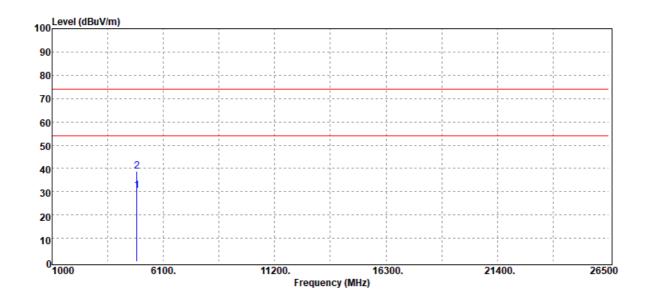


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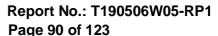
Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2441 MHz **Operation Mode** :Tx CH Mid EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



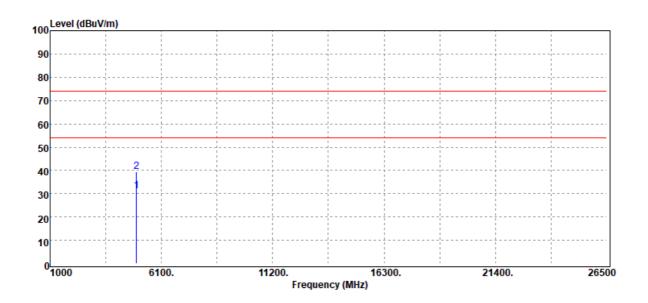
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4882.0	0 Average	27.05	3.38	30.43	54.00	-23.57
4882.0	0 Peak	35.24	3.38	38.62	74.00	-35.38



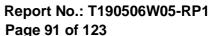


Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2480 MHz **Operation Mode** :Tx CH High EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4960.00	Average	27.02	4.06	31.08	54.00	-22.92
4960.00	Peak	35.29	4.06	39.35	74.00	-34.65





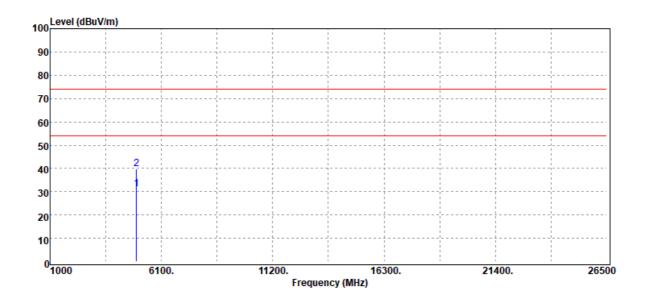
EUT Pol.

Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2480 MHz **Operation Mode** :Tx CH High

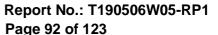
:E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4960.00	Average	26.95	4.06	31.01	54.00	-22.99
4960.00	Peak	35.71	4.06	39.77	74.00	-34.23

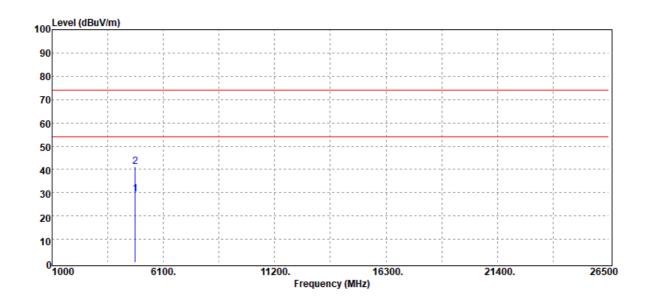




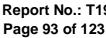
3ANT

Project Number :T190506W05 **Operation Band** :BT BR Fundamental Frequency :2402 MHz **Operation Mode** :Tx CH Low EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4804.00	Average	26.45	3.05	29.50	54.00	-24.50
4804.00	Peak	38.22	3.05	41.27	74.00	-32.73





Project Number Operation Band :BT BR **Fundamental Frequency**

Operation Mode EUT Pol.

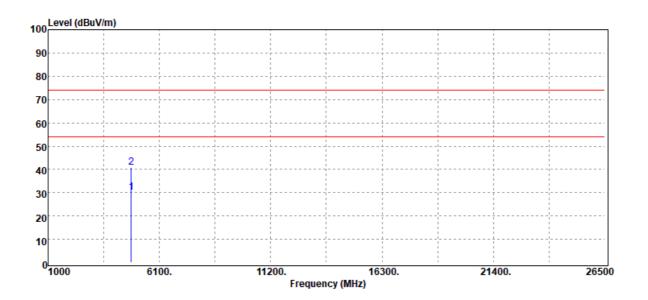
:T190506W05

:2402 MHz

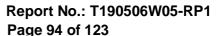
:Tx CH Low :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



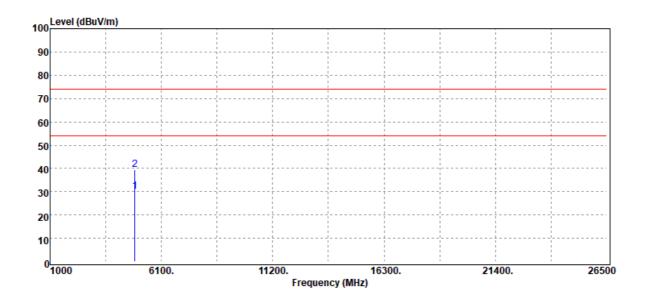
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4804.00	Average	26.97	3.05	30.02	54.00	-23.98
4804.00	Peak	37.71	3.05	40.76	74.00	-33.24





Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2441 MHz **Operation Mode** :Tx CH Mid EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4882.00	Average	26.78	3.38	30.16	54.00	-23.84
4882.00	Peak	36.15	3.38	39.53	74.00	-34.47



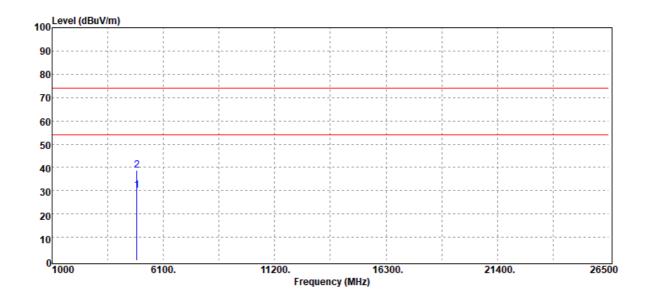


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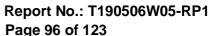
Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2441 MHz **Operation Mode** :Tx CH Mid EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



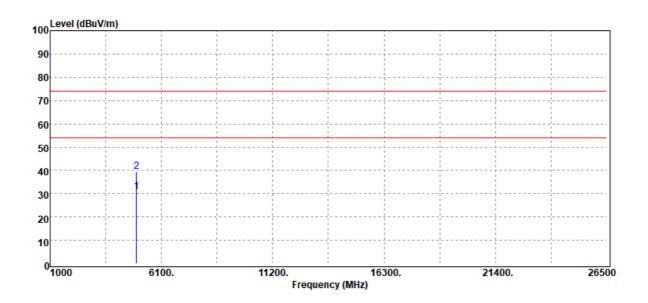
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4882.00	Average	26.85	3.38	30.23	54.00	-23.77
4882.00	Peak	35.22	3.38	38.60	74.00	-35.40





Project Number :T190506W05 **Operation Band** :BT BR **Fundamental Frequency** :2480 MHz **Operation Mode** :Tx CH High EUT Pol. :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane Measurement Antenna Pol. :VERTICAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4960.00	Average	26.88	4.06	30.94	54.00	-23.06
4960.00	Peak	35.40	4.06	39.46	74.00	-34.54



Report No.: T190506W05-RP1 Page 97 of 123



Project Number Operation Band

Fundamental Frequency Operation Mode EUT Pol.

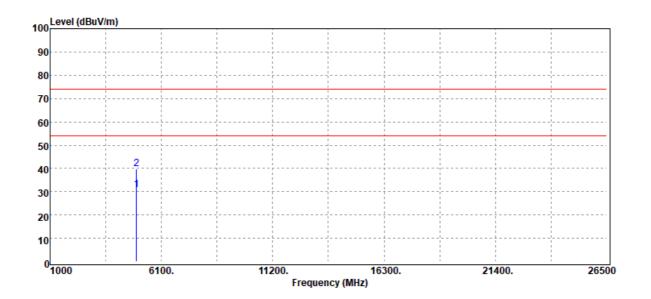
:T190506W05

:BT BR :2480 MHz

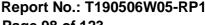
:Tx CH High :E2 Plan

Test Date :2019-05-21 Temp./Humi. :19/51 Engineer :Kane

Measurement Antenna Pol. :HORIZONTAL



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4960.00	Average	26.74	4.06	30.80	54.00	-23.20
4960.00	Peak	35.73	4.06	39.79	74.00	-34.21



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11 FREQUENCY SEPARATION

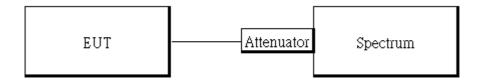
Standard Applicable 11.1

Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25 kHz or the 2/3*20dB bandwidth of the hopping channel, whichever is greater.

11.2 **Measurement Equipment Used**

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
DC Power Supply	Agilent	E3640A	KR93300208	08/15/2018	08/14/2019
Spectrum Analyzer	Agilent	N9010A	MY53400256	11/21/2018	11/20/2019
DC Power Supply	GWINSTEK	SPS-3610	GPE880163	01/14/2019	01/13/2020
DC Block	Mini-Circuits	BLK-18-S+	31129(1)	02/26/2019	02/25/2020
Attenuator	Mini-Circuit	BW-S10W2+	1	02/26/2019	02/25/2020

11.3 Test Set-up



11.4 **Measurement Procedure**

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows ANSI C63.10:2013. Measurement Guidelines.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set center frequency of spectrum analyzer = middle of hopping channel.
- 5. Set the spectrum analyzer as RBW, VBW=100 kHz, Adjust Span to 5MHz, Sweep = auto.
- 6. Max hold. Mark 3 Peaks of hopping channel and record the 3 peaks frequency.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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11.5 Measurement Result

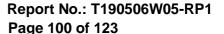
Channel separation (MHz)	Limit	Result
1	>=25 kHz or 2/3 times 20dB bandwidth	PASS

Frequency Separation Test Data

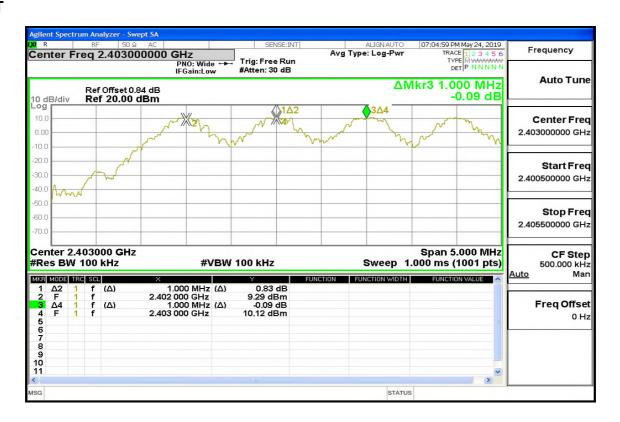
2ANT



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



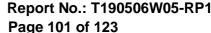
3ANT



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Offices otherwise stated the testins shown in this est report refer only to the sample(s) tested and social sample(s) are retained for 30 days only.

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12 NUMBER OF HOPPING FREQUENCY

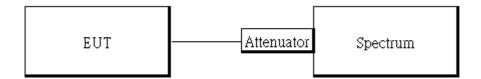
Standard Applicable 12.1

Frequency hopping systems operating in the 2400MHz-2483.5 MHz bands shall use at least 15 hopping frequencies.

12.2 **Measurement Equipment Used**

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
DC Power Supply	Agilent	E3640A	KR93300208	08/15/2018	08/14/2019
Spectrum Analyzer	Agilent	N9010A	MY53400256	11/21/2018	11/20/2019
DC Power Supply	GWINSTEK	SPS-3610	GPE880163	01/14/2019	01/13/2020
DC Block	Mini-Circuits	BLK-18-S+	31129(1)	02/26/2019	02/25/2020
Attenuator	Mini-Circuit	BW-S10W2+	1	02/26/2019	02/25/2020

12.3 Test Set-up



12.4 **Measurement Procedure**

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows ANSI C63.10:2013. Measurement Guidelines.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set spectrum analyzer Start=2400MHz, Stop = 2483.5MHz, Sweep = auto.
- 5. Set the spectrum analyzer as RBW=430 kHz, VBW=1.5MHz., Detector = Peak
- 6. Max hold, view and count how many channel in the band.

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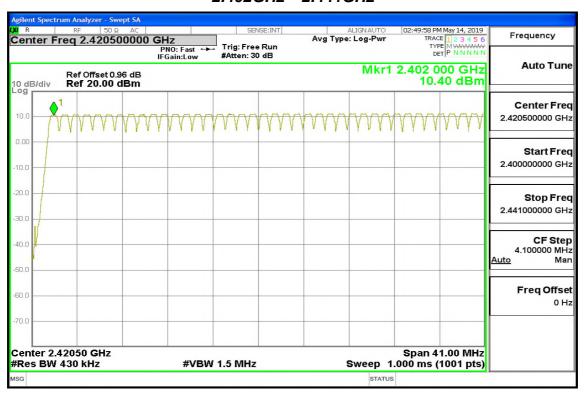
12.5 Measurement Result

Tabular Data of Total Channel Number

	Channel Number	Limit
2.4 GHz – 2.441GHz	40	
2.441 GHz – 2.4835GHz	39	>15
2.4GHz ~2.4835GHz	(40+39) = 79	

Channel Number 2ANT

2.402GHz - 2.441GHz



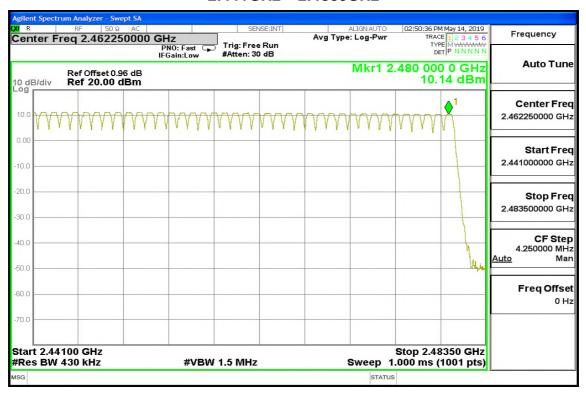
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Offices otherwise stated the results shown in this east report reported only to the sample(s) lested and social sample(s) are retained to 90 days only.

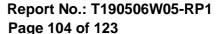
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2.441GHz - 2.4835GHz

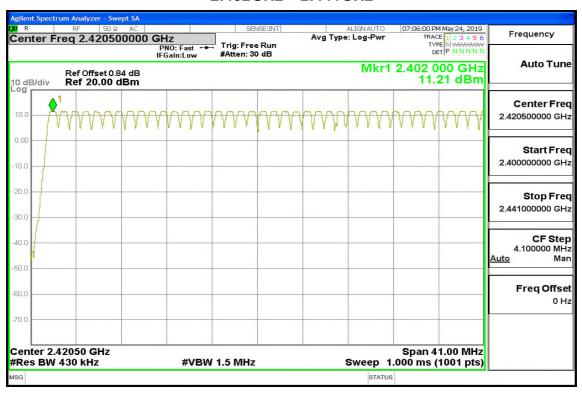


Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



3ANT

2.402GHz - 2.441GHz



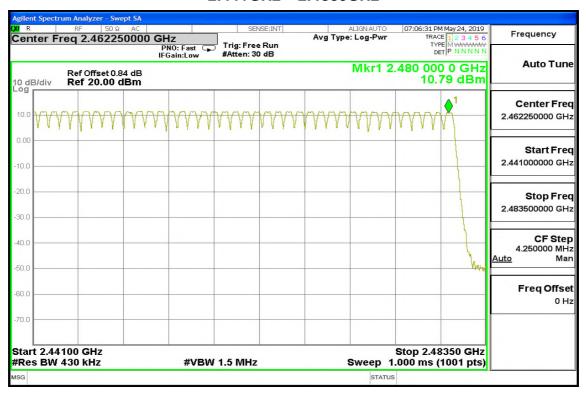
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Offices otherwise stated the results shown in this east report reported only to the sample(s) lested and social sample(s) are retained to 90 days only.

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2.441GHz - 2.4835GHz



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Offices otherwise stated the results shown in this east report reported only to the sample(s) lested and social sample(s) are retained to 90 days only.

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13 TIME OF OCCUPANCY (DWELL TIME)

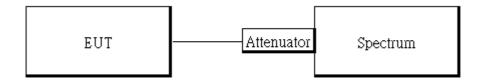
Standard Applicable 13.1

Frequency hopping systems operating in the 2400MHz-2483.5MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 seconds multiplied by the number of hopping channel employed.

Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
DC Power Supply	Agilent	E3640A	KR93300208	08/15/2018	08/14/2019
Spectrum Analyzer	Agilent	N9010A	MY53400256	11/21/2018	11/20/2019
DC Power Supply	GWINSTEK	SPS-3610	GPE880163	01/14/2019	01/13/2020
DC Block	Mini-Circuits	BLK-18-S+	31129(1)	02/26/2019	02/25/2020
Attenuator	Mini-Circuit	BW-S10W2+	1	02/26/2019	02/25/2020

13.3 Test Set-up



13.4 Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. The testing follows ANSI C63.10:2013. Measurement Guidelines.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4. Set center frequency of spectrum analyzer = operating frequency.
- 5. Set the spectrum analyzer as RBW, VBW=1MHz, 3MHz, Span = 0Hz, Detector = Peak, Adjust Sweep = 2~8ms.
- 6. Repeat above procedures until all frequency of the interest measured were complete.

Formula Deduced: time occupancy of one time slot X Hopping rate / total slot in one channel / total channel that hops X period of working channels.

Where, standard hopping rate is 1600 hops/s, slot in one channel for DH1, DH3, and DH5 is 2, 4, and 6, respectively.

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DH1 consists of single time slot of the uplink, and one slot of the downlink Total Slot: 2 DH3 consists of three time slot of the uplink, and one slot of the downlink. Total Slot: 4 DH5 consists of five time slot of the uplink, and one slot of the downlink. Total Slot: 6

In AFH mode, hopping rate is 800 hop/s with 6 slots in 20 hopping channels with channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4 * 20) (S), Hop Over Occupancy Time comes to (800 / 6 / 20)*(0.4*20) = 53.33

Note: the result of the complete test default channel at 1Mbps is recorded on the test report, 2Mbps, and 3Mbps only records the measurement result at middle channel that reveals no much deviation.

13.5 **Tabular Result of the Measurement**

2ANT

GESK (1Mbns)

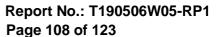
Grak (TWDps)					
Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)	1/T (kHz)	VBW setting (kHz)
	DH1	123.20	400ms	2.60	3.00
Low	DH3	262.40	400ms	0.61	1.00
	DH5	308.80	400ms	0.35	1.00
	DH1	123.20	400ms	2.60	3.00
Mid	DH3	262.40	400ms	0.61	1.00
	DH5	308.80	400ms	0.35	1.00
	DH1	123.20	400ms	2.60	3.00
High	DH3	262.40	400ms	0.61	1.00
	DH5	308.80	400ms	0.00	1.00

π/4 DQPSK (2Mbps)

Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)	1/T (kHz)	VBW setting (kHz)
	2DH1	124.80	400ms	2.56	3.00
Mid	2DH3	262.40	400ms	0.61	1.00
	2DH5	308.80	400ms	0.35	1.00

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8-DPSK (3Mbps)

Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)	1/T (kHz)	VBW setting (kHz)
	3DH1	124.80	400ms	2.56	3.00
Mid	3DH3	262.40	400ms	0.61	1.00
	3DH5	308.80	400ms	0.35	1.00

A period time = 0.4 (s) * 79 = 31.6 (s)

GFSK (1Mbps):

CH Low	DH3 time slot	= = =	0.385 * 1.640 * 2.895 *	(1600/2/79) (1600/4/79) (1600/6/79)	* *	31.6 31.6 31.6	= = =	123.20 262.40 308.80	(ms) (ms) (ms)
CH Mid	DH3 time slot	= = =	0.385 * 1.640 * 2.895 *	(1600/2/79) (1600/4/79) (1600/6/79)	* *	31.6 31.6 31.6	= = =	123.20 262.40 308.80	(ms) (ms) (ms)
CH High	DH3 time slot	= = =	0.385 * 1.640 * 2.895 *	(1600/2/79) (1600/4/79) (1600/6/79)	* *	31.6 31.6 31.6	= = =	123.20 262.40 308.80	(ms) (ms) (ms)
π/4 -DQPSI	Κ (2Mbps):								
CH Mid	2DH1 time slot 2DH3 time slot 2DH5 time slot	=	0.390 * 1.640 * 2.895 *	(1600/2/79) (1600/4/79) (1600/6/79)	* *	31.6 31.6 31.6	= = =	124.80 262.40 308.80	(ms) (ms) (ms)

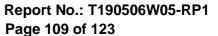
8-DPSK (3Mbps):

CH Mid	3DH1 time slot =	0.390 *	(1600/2/79) *	31.6 =	124.80 (ms)
	3DH3 time slot =	1.640 *	(1600/4/79) *	31.6 =	262.40 (ms)
	3DH5 time slot =	2.895 *	(1600/6/79) *	31.6 =	308.80 (ms)

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GFSK (1Mbps) for AFH Mode								
Hopping Channel	PACKET TYPE	Measurement Result	Limit					
Number	I ACKLI III L	(ms)	(ms)					
20	DH5	154.40	400ms					
	π/4 DQPSK (2Mbps) for AFH Mode							
Hopping Channel	PACKET TYPE	Measurement Result	Limit					
Number	PACKETTIPE	(ms)	(ms)					
20	2DH5	154.40	400ms					
	8-DPSK (3Mbps) for AFH Mode							
Hopping Channel	PACKET TYPE	Measurement Result	Limit					
Number	FACRETTIPE	(ms)	(ms)					
20	3DH5	154.40	400ms					

GFSK (1Mbps):

DH5 time slc =	2.895	(ms)	*	(800/6/20) * 8 =	154.40	(ms)
π/4 -DQPSK (2Mbps):						
2DH5 time s =	2.895	(ms)	*	(800/6/20) * 8 =	154.40	(ms)
8-DPSK (3Mbps):						
3DH5 time s =	2.895	(ms)	*	(800/6/20) * 8 =	154.40	(ms)



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3ANT

GFSK (1Mbps)

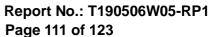
Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)	1/T (kHz)	VBW setting (kHz)
	DH1	123.20	400ms	2.60	3.00
Low	DH3	262.40	400ms	0.61	1.00
	DH5	308.80	400ms	0.35	1.00
	DH1	123.20	400ms	2.60	3.00
Mid	DH3	262.40	400ms	0.61	1.00
	DH5	308.80	400ms	0.35	1.00
	DH1	123.20	400ms	2.60	3.00
High	DH3	262.40	400ms	0.61	1.00
	DH5	307.20	400ms	0.00	1.00

π/4 DQPSK (2Mbps)

Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)	1/T (kHz)	VBW setting (kHz)
	2DH1	124.80	400ms	2.56	3.00
Mid	2DH3	264.00	400ms	0.61	1.00
	2DH5	308.80	400ms	0.35	1.00

8-DPSK (3Mbps)

Channel	PACKET TYPE	Measurement Result (ms)	Limit (ms)	1/T (kHz)	VBW setting (kHz)
	3DH1	124.80	400ms	2.56	3.00
Mid	3DH3	262.40	400ms	0.61	1.00
	3DH5	308.80	400ms	0.35	1.00





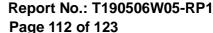
A period time = 0.4 (s) * 79 = 31.6 (s)

GFSK (1Mbps):

CHLow	DH1 time slot	=	0.385	*	(1600/2/79)	*	31.6	=	123.20	(ms)
	DH3 time slot	=	1.640	*	(1600/4/79)	*	31.6	=	262.40	(ms)
	DH5 time slot	=	2.895	*	(1600/6/79)	*	31.6	=	308.80	(ms)
					,					` ,
CH Mid	DH1 time slot	=	0.385	*	(1600/2/79)	*	31.6	=	123.20	(ms)
	DH3 time slot	=	1.640	*	(1600/4/79)	*	31.6	=	262.40	(ms)
	DH5 time slot	=	2.895	*	(1600/6/79)	*	31.6	=	308.80	(ms)
CH High	DH1 time slot	=	0.385	*	(1600/2/79)	*	31.6	=	123.20	(ms)
	DH3 time slot	=	1.640	*	(1600/4/79)	*	31.6	=	262.40	(ms)
	DH5 time slot	=	2.880	*	(1600/6/79)	*	31.6	=	307.20	(ms)
π/4 -DQPSK	(2Mhns)									
			0.000		(4.000/0/70)		04.0		40400	, ,
CH Mid	2DH1 time slot	=	0.390	*	(1600/2/79)	*	31.6	=	124.80	(ms)
	2DH3 time slot	=	1.650	*	(1600/4/79)	*	31.6	=	264.00	(ms)
	2DH5 time slot	=	2.895	*	(1600/6/79)	*	31.6	=	308.80	(ms)
	••• >									

8-DPSK (3Mbps):

CH Mid	3DH1 time slot =	0.390 *	(1600/2/79) *	•	31.6 =	124.80 (ms)
	3DH3 time slot =	1.640 *	(1600/4/79) *	:	31.6 =	262.40 (ms)
	3DH5 time slot =	2.895 *	(1600/6/79) *	•	31.6 =	308.80 (ms)





GFSK (1Mbps) for AFH Mode								
Hopping Channel Number	PACKET TYPE	Measurement Result	Limit					
		(ms)	(ms)					
20	DH5	153.60	400ms					
	π/4 DQPSK (2Mbps) for AFH Mode							
Hopping Channel	DACKET TYPE	Measurement Result	Limit					
Number	PACKET TYPE	(ms)	(ms)					
20	2DH5	154.40	400ms					
	8-DPSK (3Mbps) for AFH Mode							
Hopping Channel	PACKET TYPE	Measurement Result	Limit					
Number	PACKETTIPE	(ms)	(ms)					
20	3DH5	154.40	400ms					

GFSK (1Mbps):

DH5 time slc =	2.880	(ms)	*	(800/6/20) * 8 =	153.60	(ms)
π/4 -DQPSK (2Mbps):						
2DH5 time s =	2.895	(ms)	*	(800/6/20) * 8 =	154.40	(ms)
8-DPSK (3Mbps):						
3DH5 time s =	2.895	(ms)	*	(800/6/20) * 8 =	154.40	(ms)

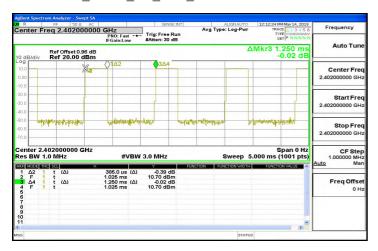
Measurement Result 13.6

Note: Refer to next page for plots.

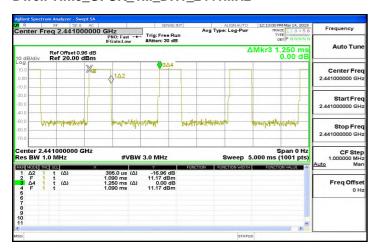


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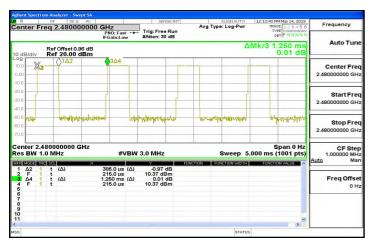
Dwell Time_GFSK_1M_DH1_2402MHz



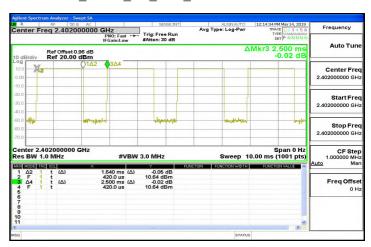
Dwell Time_GFSK_1M_DH1_2441MHz



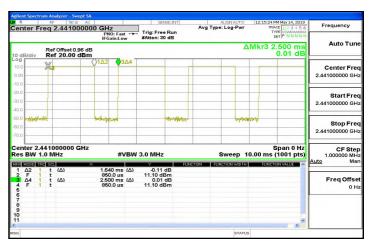
Dwell Time_GFSK_1M_DH1_2480MHz



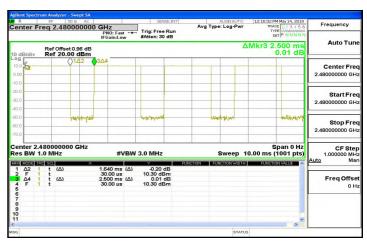
Dwell Time_GFSK_1M_DH3_2402MHz



Dwell Time_GFSK_1M_DH3_2441MHz



Dwell Time_GFSK_1M_DH3_2480MHz

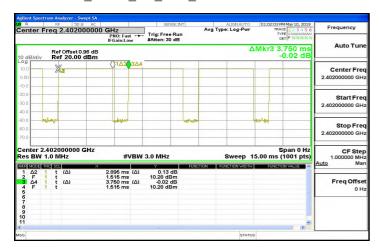


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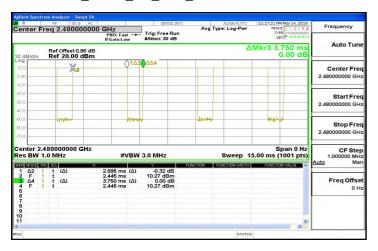
Dwell Time_GFSK_1M_DH5_2402MHz



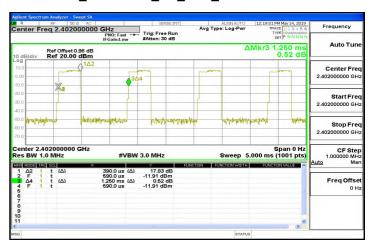
Dwell Time_GFSK_1M_DH5_2441MHz



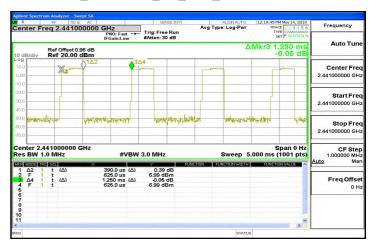
Dwell Time GFSK 1M DH5 2480MHz



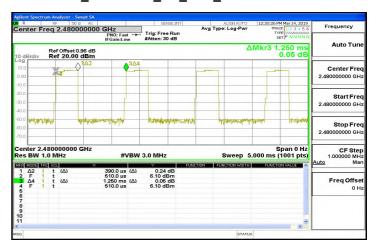
Dwell Time_π4DQPSK_2M_DH1_2402MHz



Dwell Time_π4DQPSK_2M_DH1_2441MHz



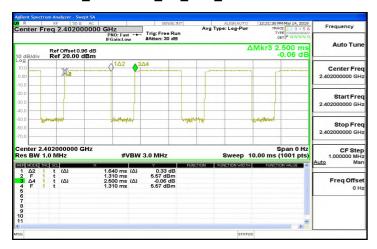
Dwell Time π4DQPSK 2M DH1 2480MHz



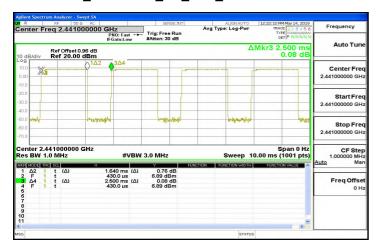
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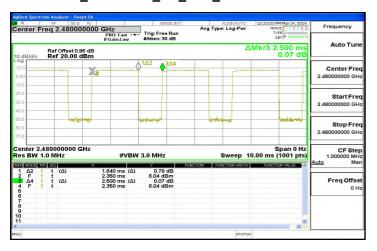
Dwell Time_π4DQPSK_2M_DH3_2402MHz



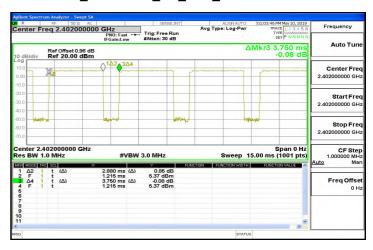
Dwell Time_π4DQPSK_2M_DH3_2441MHz



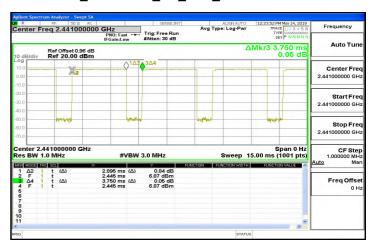
Dwell Time_ π 4DQPSK_2M_DH3_2480MHz



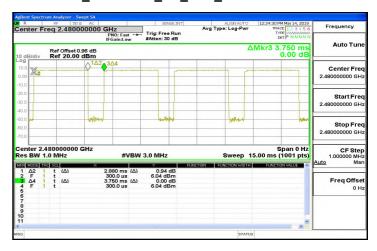
Dwell Time_π4DQPSK_2M_DH5_2402MHz



Dwell Time_π4DQPSK_2M_DH5_2441MHz



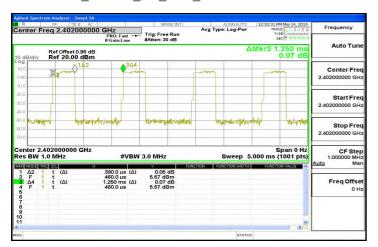
Dwell Time π4DQPSK 2M DH5 2480MHz



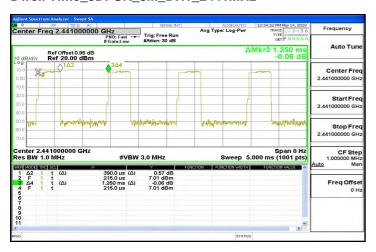
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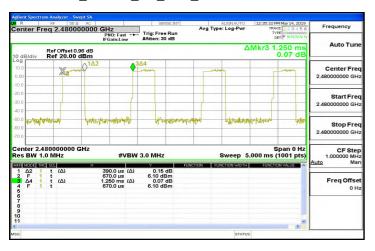
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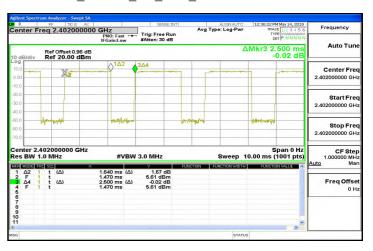
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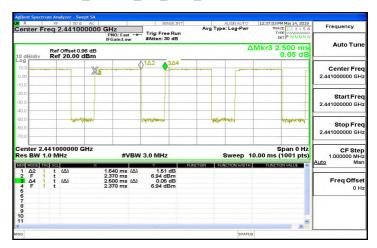
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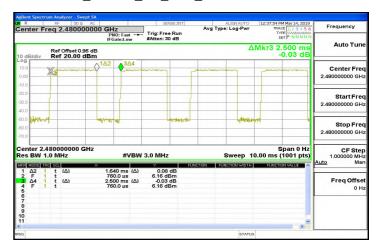
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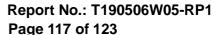
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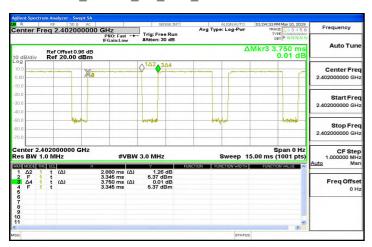
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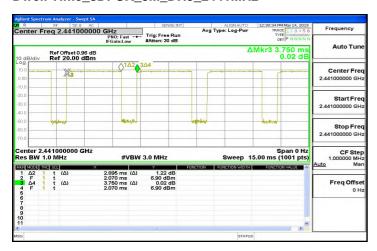
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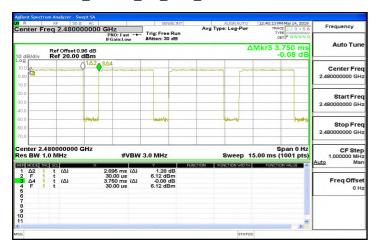
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Dwell Time_8DPSK_3M_DH5_2441MHz



Dwell Time 8DPSK 3M DH5 2480MHz



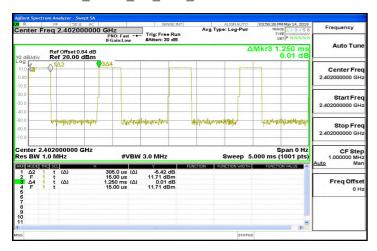
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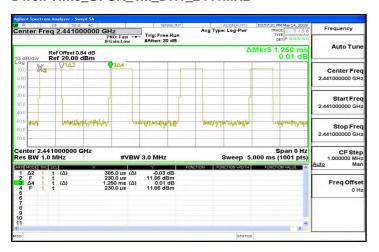


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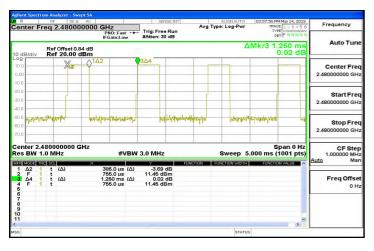
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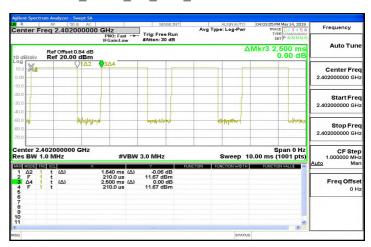
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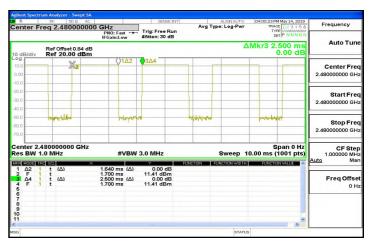
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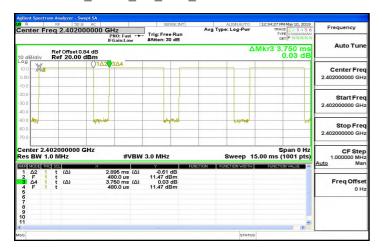
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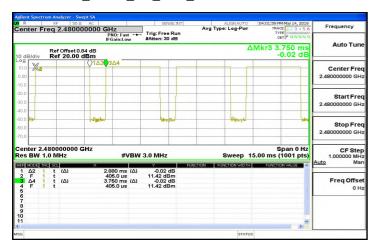
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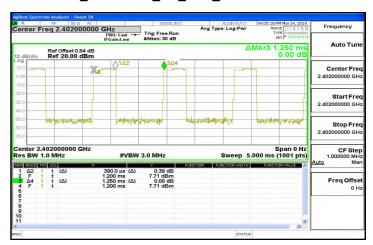
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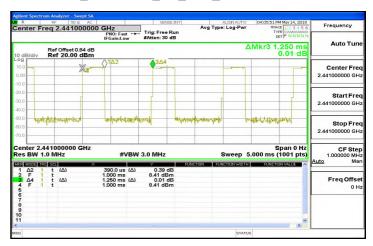
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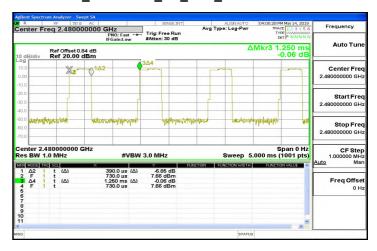
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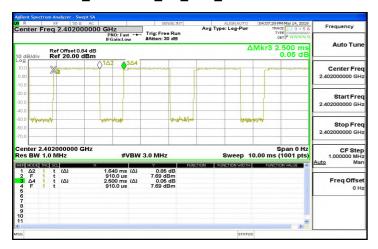
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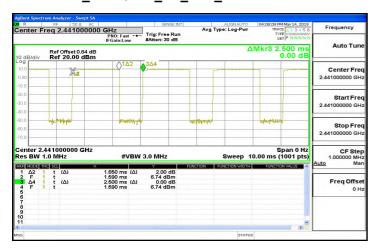
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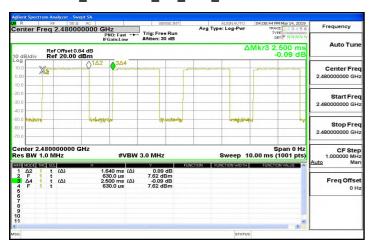
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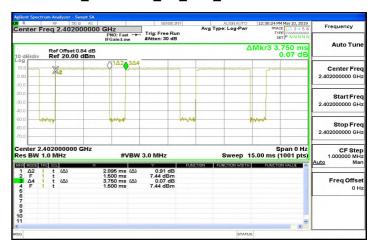
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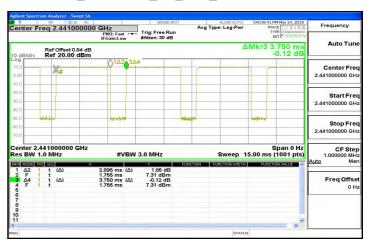
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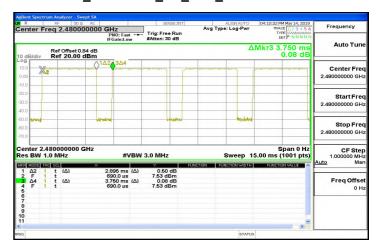
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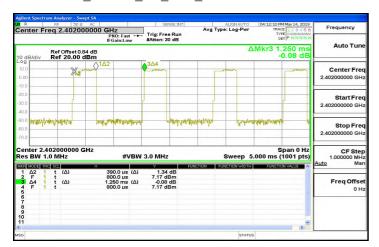
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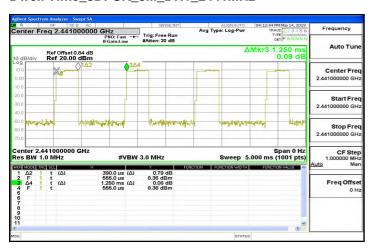
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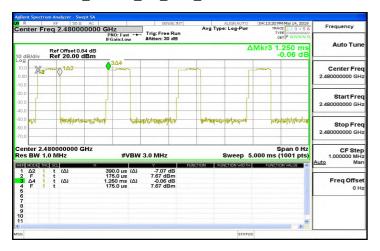
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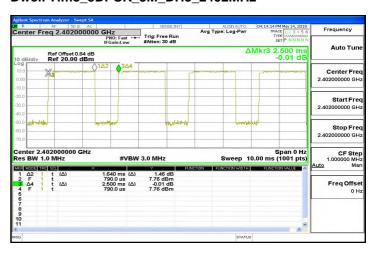
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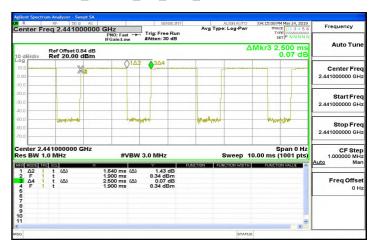
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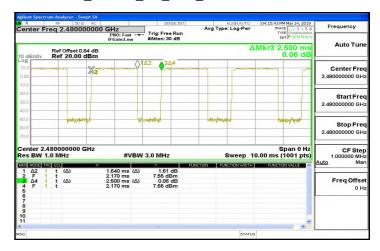
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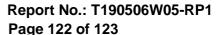


Dwell Time 8DPSK 3M DH3 2480MHz



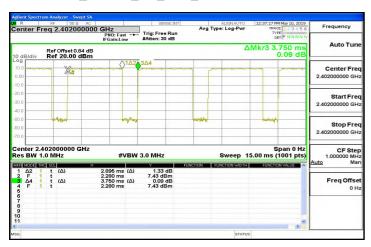
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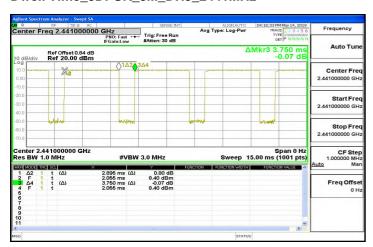




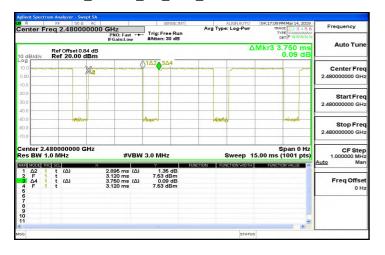
Dwell Time_8DPSK_3M_DH5_2402MHz



Dwell Time_8DPSK_3M_DH5_2441MHz



Dwell Time_8DPSK_3M_DH5_2480MHz



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14 ANTENNA REQUIREMENT

Standard Applicable 14.1

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device. If the transmitting antenna is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

14.2 Antenna Connected Construction

The antenna is designed with unique RF connector and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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Offices otherwise stated the testals shift in this east report report in the sample(s) testal and stort sample(s) are retained to 90 days only. Pk 非另有說明,此報告結果僅對測試之樣品負責,同時止樣品僅保留仍天。本報告未經本公司書面許可,不可部份複製。
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