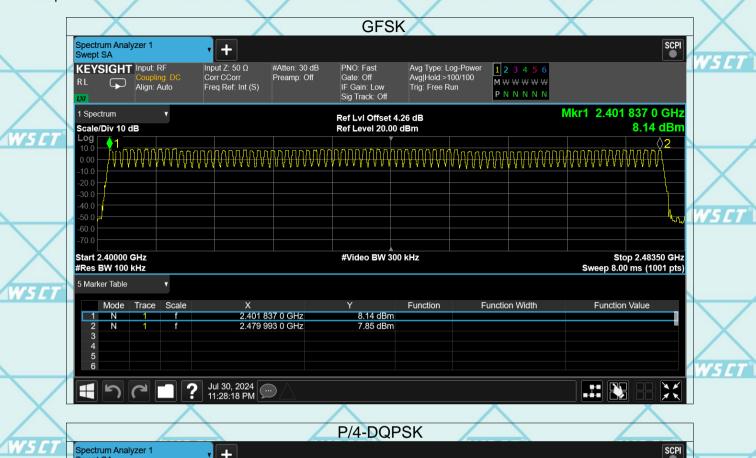
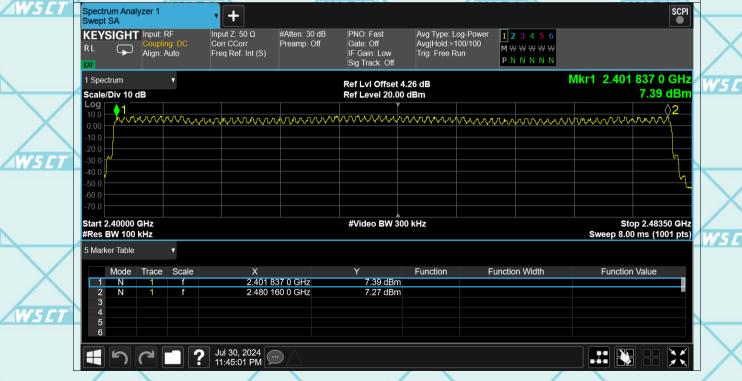






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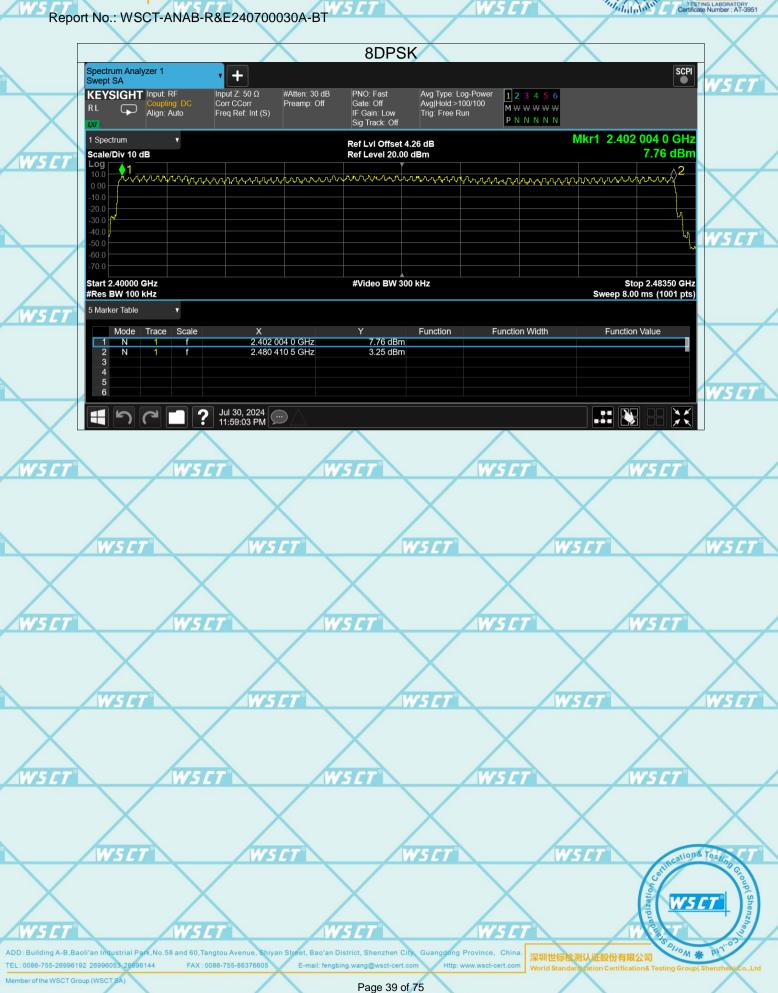
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W5 C1





W5 CT

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World Standardization Certification & Testing Group (Shenzhen) Co., ltd.

Report No.: WSCT-ANAB-R&E240700030A-BT

W5 CT

6.7. **Dwell Time**

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6.7.1. Tes	t Specifi	cation
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W5 C7

X	Test Requirement:	FCC Part15 C Section 15.247 (a)(1)	
WSET	Test Method:	ANSI C63.10:2014 W5 [T] W5 [T]	
	Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.	WSLT
X	Test Setup:	Spectrum Analyzer EUT	
WSET	Test Mode:	Hopping mode W5 CT W5 CT	
WSCT	Test Procedure:	 The testing follows ANSI C63.10:2014 Measurement Guidelines. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold. Measure and record the results in the test report. 	WSCI
	Test Result:	PASS	
	WEIT WEI	Water	WSLT

W5 CT

WSET

W5 CT

W5 ET

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W5CT



Pass

Pass

400

400



Report No.: WSCT-ANAB-R&E240700030A-BT

2441

2480

31600

31600

6.7.2. Test Data

1-DH5

1-DH5

Frequency (MHz) **Total Dwell Time** Limit Verdict Mode **Pulse Time** Burst **Period Time** (ms) (ms) Count (ms) (ms) Pass 1-DH1 2402 0.406 129.108 318 31600 400 1-DH1 2441 0.406 128.702 317 31600 400 Pass 1-DH1 2480 0.406 31600 400 Pass 128.702 317 1-DH3 2402 1.662 265.920 160 31600 400 **Pass** 1-DH3 2441 1.661 257.455 155 31600 400 Pass 1-DH3 2480 1.662 254.286 153 31600 400 **Pass** 1-DH5 2402 2.909 270.537 93 31600 400 Pass

270.537

285.180

Note: 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels.

2.909

2.910

For DH1, With channel hopping rate (1600 / 2 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600/2/79) \times (0.4 \times 79) = 320 \text{ hops}$

93

98

For DH3, With channel hopping rate (1600 / 4 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600/4/79) \times (0.4 \times 79) = 160 \text{ hops}$

For DH5, With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$ hops

2. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

Test plots as follows:

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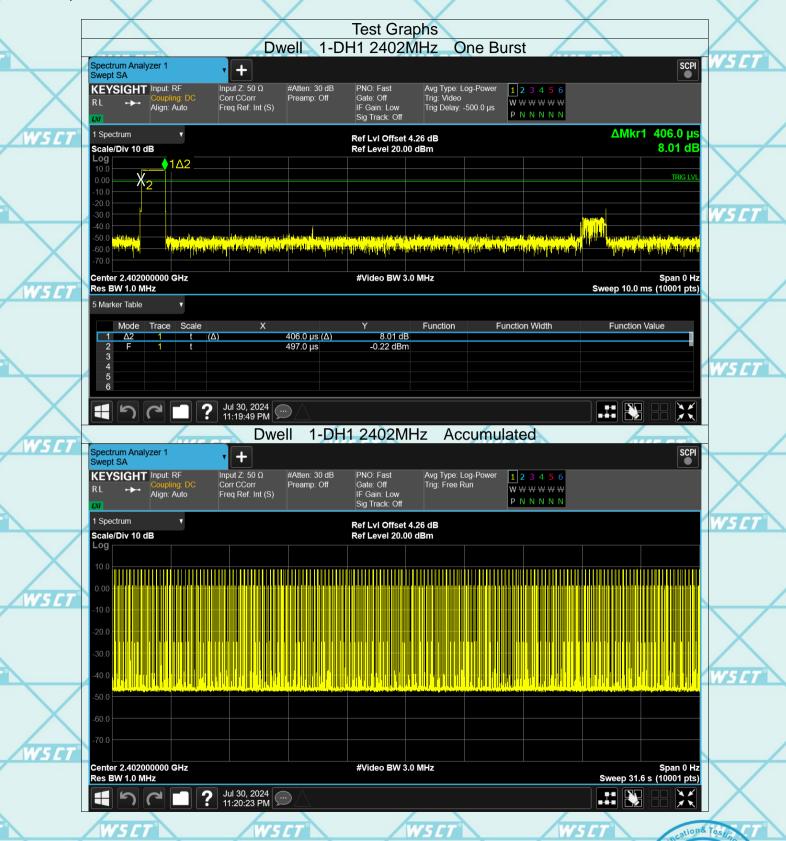






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Span 0 Hz Sweep 10.0 ms (10001 pts)



Report No.: WSCT-ANAB-R&E240700030A-BT

Center 2.441000000 GHz Res BW 1.0 MHz

The Made and the W5 CI 1-DH1 2441MHz One Burst Dwell SCPI Spectrum Analyzer 1 + Input Z: 50 Ω Corr CCorr #Atten: 30 dB Preamp: Off PNO: Fast Gate: Off Avg Type: Log-Power Trig: Video KEYSIGHT Input: RF 1 2 3 4 5 6 **w** ₩ ₩ ₩ ₩ Align: Auto IF Gain: Low Sig Track: Off Trig Delay: -500.0 µs Freq Ref: Int (S) PNNNNN ΔMkr1 406.0 μs 1 Spectrum Ref LvI Offset 4.28 dB Ref Level 20.00 dBm 2.87 dB Scale/Div 10 dB <mark>1Δ2</mark>

A the formula and with the state of the stat

#Video BW 3.0 MHz

5 Marker Table 15 C Function Width Function Value Mode Function 406.0 μs (Δ) -4.96 dBm Jul 30, 2024 11:20:28 PM

1-DH1 2441MHz Accumulated Dwell Spectrum Analyzer 1 Swept SA SCPI + Avg Type: Log-Power Trig: Free Run Input Z: 50 Ω #Atten: 30 dB PNO: Fast KEYSIGHT Input: RF 1 2 3 4 5 6 Corr CCorr Freq Ref: Int (S) Gate: Off IF Gain: Low Sig Track: Off **w** ₩ ₩ ₩ ₩ Align: Auto PNNNNN 1 Spectrum Ref Lvl Offset 4.28 dB Scale/Div 10 dB Ref Level 20.00 dBm

#Video BW 3.0 MHz

Jul 30, 2024 11:21:02 PM

Center 2.441000000 GHz

Res BW 1.0 MHz

ation& Test 10M # 深圳世标检测认证股份有限公司

Span 0 Hz

Sweep 31.6 s (10001 pts)

Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China.

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15 C

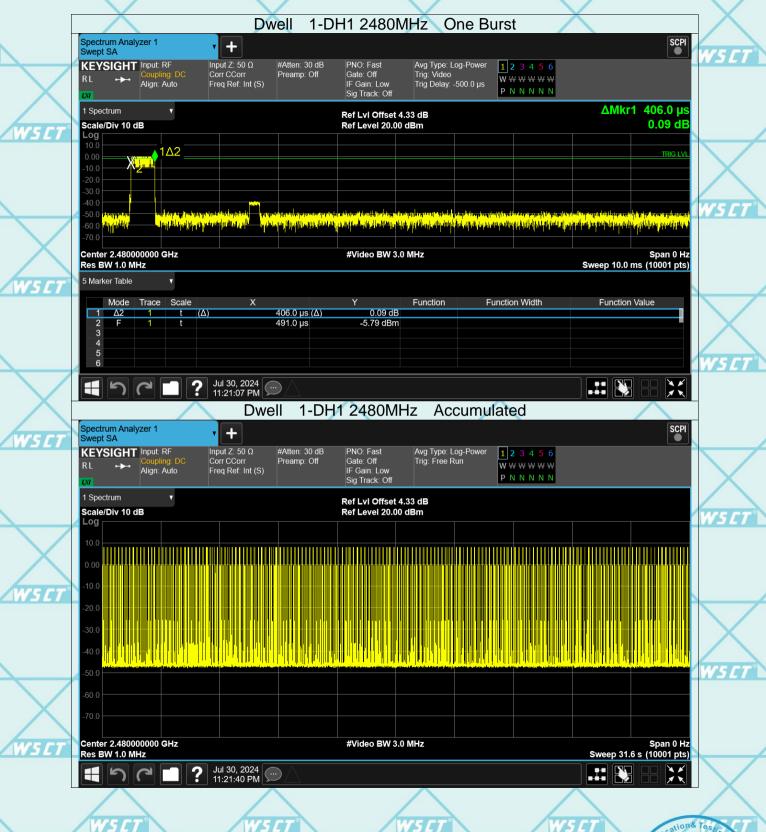






Report No.: WSCT-ANAB-R&E240700030A-BT

Mahalalala W5 CI



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10M # 深圳世标检测认证股份有限公司

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15 C

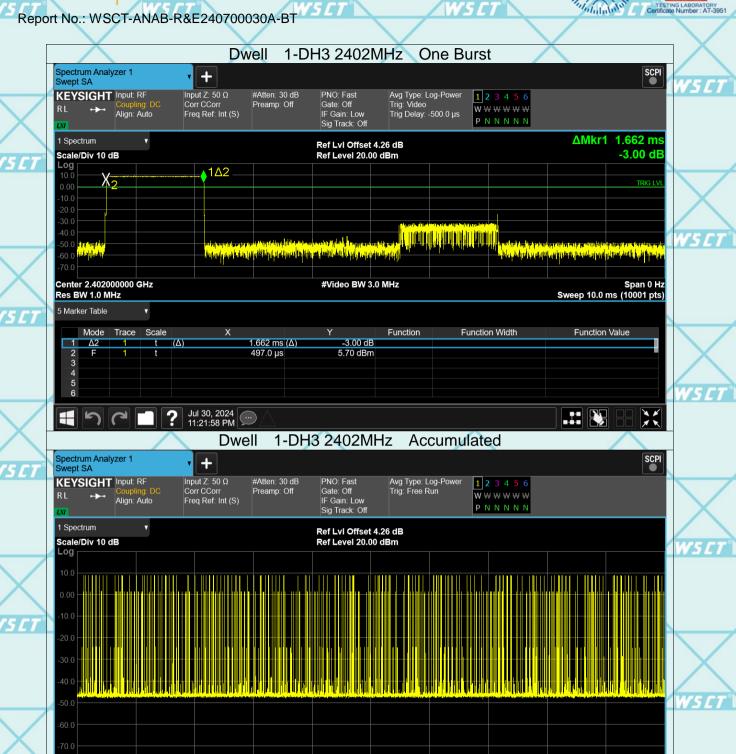


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10M # 深圳世标检测认证股份有限公司

15 C

Span 0 Hz

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Sweep 31.6 s (10001 pts)

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#Video BW 3.0 MHz

Center 2.402000000 GHz

Res BW 1.0 MHz







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Mahalalala W5 CI 1-DH3 2480MHz One Burst



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10M # 深圳世标检测认证股份有限公司

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15 C

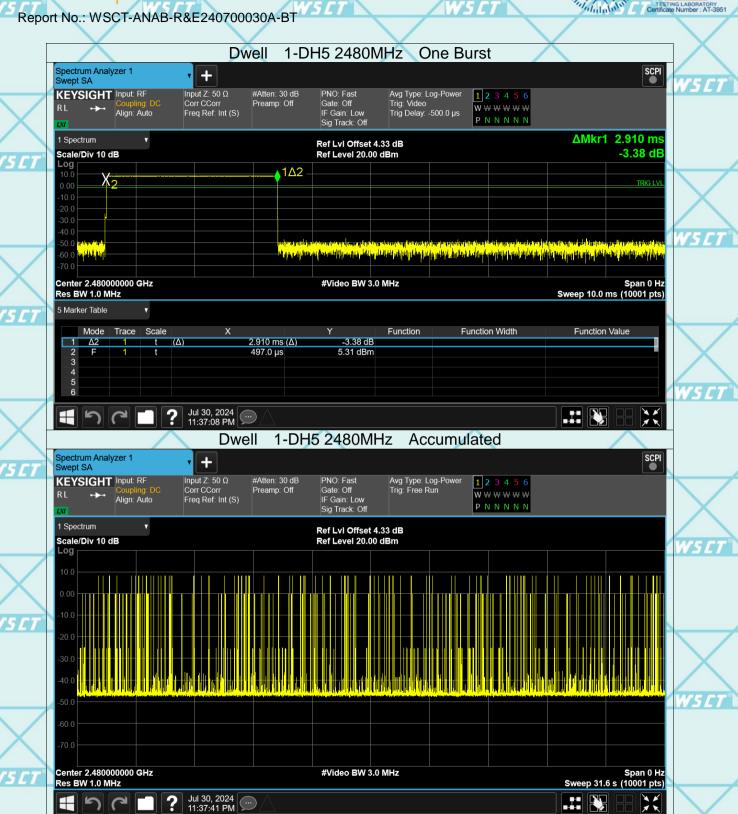


1*W5 [T* 1





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15 C

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Report No.: WSCT-ANAB-R&E240700030A-BT

Test Requirement: FCC Part15 C Section 15.247 (a)(1) requirement:

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

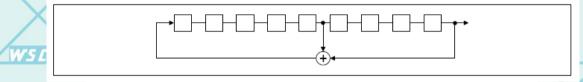
Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones; i.e. the shift register is initialized with nine ones.

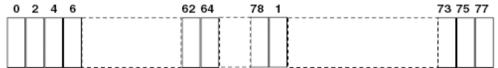
- Number of shift register stages: 9
- Length of pseudo-random sequence: 29-1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)

<u> WSET</u>



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

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Report No.: WSCT-ANAB-R&E240700030A-BT

6.9. Conducted Band Edge Measurement

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X	Test Requirement:	FCC Part15 C Section 15.247 (d)
V5 CT	Test Method:	ANSI C63.10:2014 W5 [7] W5 [7]
$\overline{}$	Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
NS ET	Test Setup:	Spectrum Analyzer EUT
	Test Mode:	Transmitting mode with modulation
WS CT	Test Procedure:	 The testing follows the guidelines in Band-edge Compliance of RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz (≥1% span=10MHz), VBW = 300 kHz (≥RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used. Enable hopping function of the EUT and then repeat step 2 and 3. Measure and record the results in the test report.
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6.9.2. Test Data



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SET WS

W5 CT



W5 CT

Report No.: WSCT-ANAB-R&E240700030A-BT

Conducted Spurious Emission Measurement 6.10.

Test Specification 6.10.1.

WSET[®] W5 CT W5 C1

X	Test Requirement:	FCC Part15 C Section 15.247 (d)	
V5 CT	Test Method:	ANSI C63.10:2014	
	Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.	WSCT
VS CT	Test Setup:	Spectrum Analyzer EUT W5ET	
	Test Mode:	Transmitting mode with modulation	
YS CT	Test Procedure:	 The testing follows the guidelines in Spurious RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 	X
	Test Result:	PASS	
	WSCT	T WSTT WSTT	WSIT

W5 ET W5 C7 W5 CT W5 E1

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W5 CT







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WSET

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VSET WSE







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Report No.: WSCT-ANAB-R&E240700030A-BT

Tx. Spurious 2-DH5 2441MHz Ref SCPI Spectrum Analyzer 1 + Input Z: 50 Ω Corr CCorr #Atten: 20 dB Preamp: Off PNO: Best Wide Gate: Off Avg Type: Log-Power Avg|Hold: 100/100 KEYSIGHT Input: RF **1 2 3 4 5** 6 ____ M ₩ ₩ ₩ ₩ Align: Auto IF Gain: Low Sig Track: Off Freq Ref: Int (S) Trig: Free Run 1 Spectrum Mkr1 2.441 168 0 GHz Ref Lvl Offset 4.28 dB 8.05 dBm Scale/Div 10 dB Ref Level 14.28 dBm 4 28 75 C Center 2.4410000 GHz #Res BW 100 kHz Span 1.500 MHz Sweep 1.00 ms (1001 pts) #Video BW 300 kHz Jul 31, 2024 12:14:46 AM ⊞ 2-DH5 2441MHz Tx. Spurious **Emission** Spectrum Analyzer 1 Swept SA SCPI + Avg Type: Log-Power Avg|Hold: 10/10 Trig: Free Run Input Z: 50 Ω #Atten: 20 dB PNO: Fast KEYSIGHT Input: RF 1 2 3 4 5 6 Corr CCorr Freq Ref: Int (S) Preamp: Off Gate: Off IF Gain: Low Sig Track: Off M ₩ ₩ ₩ ₩ Align: Auto PNNNNN Mkr1 2.440 5 GHz 1 Spectrum Ref Lvl Offset 4.28 dB 4.91 dBm Scale/Div 10 dB Ref Level 14.28 dBm **∆4 ∂**5 Start 30 MHz #Video BW 300 kHz Stop 26.50 GHz #Res BW 100 kHz Sweep ~2.53 s (30001 pts) 5 Marker Table Function Width Function Value Mode Scale Function 2.440 5 GHz 4.91 dBm 26.166 5 GHz 5.070 8 GHz 7.231 6 GHz 9.568 0 GHz -57.64 dBm -62.06 dBm -62.97 dBm N 2 3 4 5 6 N N -62.99 dBm

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Jul 31, 2024 12:15:17 AM

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Report No.: WSCT-ANAB-R&E240700030A-BT

Tx. Spurious 3-DH5 2480MHz Ref SCPI Spectrum Analyzer 1 + Input Z: 50 Ω Corr CCorr #Atten: 20 dB Preamp: Off PNO: Best Wide Gate: Off Avg Type: Log-Power Avg|Hold: 100/100 KEYSIGHT Input: RF **1 2 3 4 5** 6 ____ M ₩ ₩ ₩ ₩ Align: Auto Freq Ref: Int (S) IF Gain: Low Sig Track: Off Trig: Free Run 1 Spectrum Mkr1 2.479 848 5 GHz Ref Lvl Offset 4.33 dB 6.75 dBm Scale/Div 10 dB Ref Level 14.33 dBm 4 33 Center 2.4800000 GHz #Res BW 100 kHz Span 1.500 MHz Sweep 1.00 ms (1001 pts) #Video BW 300 kHz Jul 31, 2024 12:19:37 AM ⊞ 3-DH5 2480MHz **Emission** Tx. Spurious Spectrum Analyzer 1 Swept SA SCPI + Avg Type: Log-Power Avg|Hold: 10/10 Trig: Free Run Input Z: 50 Ω #Atten: 20 dB PNO: Fast KEYSIGHT Input: RF 1 2 3 4 5 6 Corr CCorr Freq Ref: Int (S) Preamp: Off Gate: Off IF Gain: Low Sig Track: Off M ₩ ₩ ₩ ₩ Align: Auto PNNNNN Mkr1 2.480 2 GHz 1 Spectrum Ref LvI Offset 4.33 dB 5.11 dBm Scale/Div 10 dB Ref Level 14.33 dBm \Diamond^2 \Diamond 4 **∂**5 Start 30 MHz #Video BW 300 kHz Stop 26.50 GHz #Res BW 100 kHz Sweep ~2.53 s (30001 pts) 5 Marker Table Function Width Function Value Mode Scale Function 2.480 2 GHz 1.784 1 GHz 5.005 5 GHz 7.244 0 GHz 5.11 dBm -43.99 dBm -61.86 dBm -62.32 dBm N 2 3 4 5 6

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-62.58 dBm

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9.877 7 GHz

Jul 31, 2024 12:20:08 AM

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W5CT

6.11. **Radiated Spurious Emission Measurement**

6.11.1. Test Specification

Quasi-peak Peak

Peak

W5 CI

	\ \			\ /		
	Test Requirement:	FCC Part15	C Section '	15.209		X
7	Test Method:	ANSI C63.10):2014	WSCT		WSIT
	Frequency Range:	9 kHz to 25 (GHz			
	Measurement Distance:	3 m				
	Antenna Polarization: W5 [7]	Horizontal &	Vertical		W5	
		Frequency	Detector	RBW	VBW	Remark
		9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
/		150kHz-	Quasi-peak	9kHz	30kHz	Quasi-peak Value
7	Receiver Setup:	30MHz		WSIT		WSCT

30MHz-1GHz

Above 1GHz

Frequency V5 C1	Field Strength // 5	Measurement
riequency	(microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	//354/
88-216	150	3
216-960	200	3

500

100KHz

1MHz

1MHz

300KHz

3MHz

10Hz

Quasi-peak Value

Peak Value

Average Value

Peak

Limit:

WELT WELT		CCT	ALACE CT	
	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
	Above 1CHz	500	3	Average

Above 960

For	radiated	emissions	below	30MHz

W5 ET

Test setup:

Distance = 3m	Computer
EUT Turn table	Pre -Amplifier Receiver
Ground Plane	Taccine 1

30MHz to 1GHz

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Coaxial cable (1m) Above 1GHz Receiver-Pre-amplifier« Coaxial cable (1m) **Test Mode:** Transmitting mode with modulation The testing follows the guidelines in Spurious Emissions of ANSI C63.10:2014 Radiated Measurement Guidelines. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. Test Procedure: For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final

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measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- Set to the maximum power setting and enable the **EUT** transmit continuously.
- 4. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW=100 kHz for f < 1 GHz, RBW=1MHz for f>1GHz; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
 - (3) For average measurement: use duty cycle correction factor method per 15.35(c). Duty cycle = On time/100 milliseconds On time =N1*L1+N2*L2+...+Nn-1*LNn-1+Nn*Ln Where N1 is number of type 1 pulses, L1 is length of type 1 pulses, etc. Average Emission Level = Peak Emission Level + 20*log(Duty cycle)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Test results: **PASS**

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WSE

6.11.2. Test Data(worst case)

Please refer to following diagram for individual

The worst mode is GFSK **Below 1GHz** Horizontal: 80.0 dBuV/m Limit: Margin: (MHz) 30.000 400 600 700 1000.000 40 60 70 80 500 50 Correct Reading Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m dBuV/m dB Detector WS CI 1 30.0000 36.98 -1.7335.25 40.00 -4.75QP 36.0007 2 37.67 -1.1236.55 40.00 -3.45QP 3 106.0126 37.84 -3.3734.47 43.50 -9.03 QP 4 199.2855 42.94 -3.8739.07 43.50 -4.43QP 41.37 5 258.3264 42.84 -4.63QP -1.4746.00

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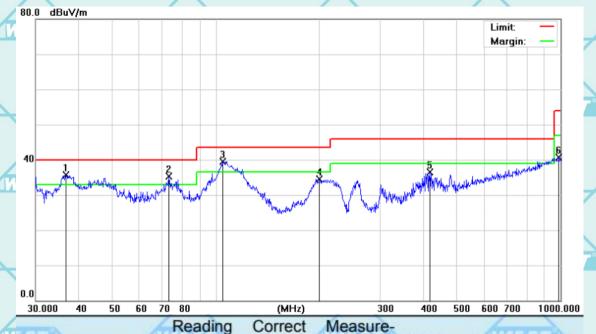






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Λ	No.	Mk.	Freq.	Level	Factor	ment	Limit	Over	144
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
	1	1	36.7662	36.71	-0.99	35.72	40.00	-4.28	QP
7	2	Ni.	73.1025	39.36	-4.02	35.34	40.00	-4.66	QP
	3	*	104.5361	43.19	-3.63	39.56	43.50	-3.94	QP
Z	4		199.9856	38.34	-3.87	34.47	43.50	-9.03	QP
	1/5	1	417.6411	33.29	3.28	36.57	46.00	-9.43	QP
	6		989.5355	26.26	14.35	40.61	54.00	-13.39	QP

Note1:

WS ET

Freq. = Emission frequency in MHz

Reading level (dBµV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

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Above 1GHz

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental / 5 [7] signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

GFSK

VSET® WSL

WSET

WSCT

Low channel: 2402MHz

Horizontal:



W5 []

W5 E

Suspu	Susputed Data List									
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1486.2500	23.63	-0.23	23.86	74	-50.37	108.5	Horizontal	PK	Pass
1	1486.2500	14.51	-0.23	14.74	54	-39.49	108.5	Horizontal	AV	Pass
2	2439.3750	38.5	7.7	30.8	74	-35.5	252	Horizontal	PK	Pass
2	2439.3750	25.69	7.7	17.99	54	-28.31	252	Horizontal	AV	Pass
3	4438.1250	44.58	13.9	30.68	74	-29.42	0	Horizontal	PK	Pass
3	4438.1250	34.56	13.9	20.66	54	-19.44	0	Horizontal	AV	Pass
4	7753.5000	36.38	36.63	-0.25	74	-37.62	222	Horizontal	PK	Pass
4	7753.5000	30.04	36.63	-6.59	54	-23.96	222	Horizontal	AV	Pass
5	10798.5000	43.81	39.22	4.59	74	-30.19	-0.1	Horizontal	PK	Pass
5	10798.5000	36.16	39.22	-3.06	54	-17.84	-0.1	Horizontal	AV	Pass
6	13765.5000	49.7	40.89	8.81	74	-24.3	53.4	Horizontal	PK	Pass
6	13765.5000	40.88	40.89	-0.01	54	-13.12	53.4	Horizontal	AV	Pass

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W5 CT





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Vertical:



W5CT

W5 C

W5 E

	Suspu	ited Data Lis	st								
Ż	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
	1	1500.0000	24.88	-0.24	25.12	74	-49.12	167.9	Vertical	PK	Pass
	1	1500.0000	15.11	-0.24	15.35	54	-38.89	167.9	Vertical	AV	Pass
	2	2417.5000	34.31	7.63	26.68	74	-39.69	313.8	Vertical	PK	Pass
	2	2417.5000	25.26	7.63	17.63	54	-28.74	313.8	Vertical	AV	Pass
	3	3883.7500	44.21	11.6	32.61	74	-29.79	189.4	Vertical	PK	Pass
	3	3883.7500	33.93	11.6	22.33	54	-20.07	189.4	Vertical	AV	Pass
3	4	7642.5000	37.05	36.46	0.59	74	-36.95	208.8	Vertical	PK	Pass
L	4	7642.5000	29.07	36.46	-7.39	54	-24.93	208.8	Vertical	AV	Pass
	5	10129.5000	42.41	38.28	4.13	74	-31.59	30.8	Vertical	PK	Pass
	5	10129.5000	34.29	38.28	-3.99	54	-19.71	30.8	Vertical	AV	Pass
	6	14242.5000	49.44	41.18	8.26	74	-24.56	10.8	Vertical	PK	Pass
	6	14242.5000	41.51	41.18	0.33	54	-12.49	10.8	Vertical	AV	Pass

W5 C1 W5 E7 W5 C W5 C1 W5 CT

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W5C1







Report No.: WSCT-ANAB-R&E240700030A-BT

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Middle channel: 2441MHz

Horizontal: 7 WSCT WSCT WSCT



Susputed Data List Reading Factor Level Limit Margin Deg NO. Polarity Trace Verdict [MHz] [dB(uV)] [dB] [dB(uV)] [dB] [dB] [°]74 24.4 PK 1558.1250 24.65 24.94 -0.29 -49.35 Pass Horizontal 1558.1250 15.09 24.94 -9.85 54 -38.91 24.4 ΑV Horizontal Pass 27.26 7.72 74 -39.02 PΚ 2400.6250 34.98 1.1 Horizontal Pass 2400.6250 25.3 27.26 -1.96 54 -28.7 1.1 ΑV Pass Horizontal 3790.0000 43.24 29.2 14.04 74 -30.76 187 Horizontal Pass 3790.0000 33.8 29.2 4.6 54 -20.2 187 Horizontal Δ١/ Pass 7524.0000 36.34 7.62 28.72 74 -37.66 249.6 Horizontal PΚ Pass 28.54 7.62 20.92 54 -25.46 249.6 7524.0000 Horizontal ΑV Pass 5 10447.5000 42.03 13.74 28.29 74 -31.97 45.2 Horizontal PK Pass 5 10447.5000 35.02 13.74 21.28 54 -18.98 45.2 Horizontal ΑV Pass 6 14461.5000 49.79 18.66 74 -24.21 281.8 PK Pass 31.13 Horizontal 14461.5000 40.98 18.66 22.32 -13.02 281.8 Horizontal ΑV Pass

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Report No.: WSCT-ANAB-R&E240700030A-BT

W5 CT

Vertical:



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W5 C

W5 E

	Suspu	ited Data Lis	st								
Ż	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
	1	1508.1250	23.65	-0.26	23.91	74	-50.35	0.5	Vertical	PK	Pass
	1	1508.1250	14.63	-0.26	14.89	54	-39.37	0.5	Vertical	AV	Pass
	2	2434.3750	40.22	7.69	32.53	74	-33.78	62.6	Vertical	PK	Pass
	2	2434.3750	25.17	7.69	17.48	54	-28.83	62.6	Vertical	AV	Pass
	3	3814.3750	43.05	11.08	31.97	74	-30.95	360.1	Vertical	PK	Pass
	3	3814.3750	33.72	11.08	22.64	54	-20.28	360.1	Vertical	AV	Pass
7	4	7606.5000	36.89	36.41	0.48	74	-37.11	291.4	Vertical	PK	Pass
Z.	4	7606.5000	29.02	36.41	-7.39	54	-24.98	291.4	Vertical	AV	Pass
	5	10656.0000	43.79	39.02	4.77	74	-30.21	16.5	Vertical	PK	Pass
	5	10656.0000	36.57	39.02	-2.45	54	-17.43	16.5	Vertical	AV	Pass
	6	13602.0000	49.52	40.47	9.05	74	-24.48	347.8	Vertical	PK	Pass
	6	13602.0000	41.52	40.47	1.05	54	-12.48	347.8	Vertical	AV	Pass

W5 C1 W5 E7 W5 C W5 C1 W5 CT

> W5C1 WS ET WS CT W5 E1

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W5CT

W5C1



W5 E

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W5CT"





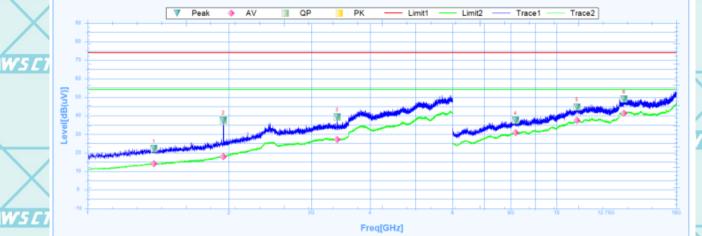
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-R&E240700030A-B1

High channel: 2480MHz

Horizontal: 7 W5C7 W5C7 W5C7 W5C7

W5 CT



	Suspu	Susputed Data List											
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict		
	1	1383.1250	22.33	-0.6	22.93	74	-51.67	2.4	Horizontal	PK	Pass		
	1	1383.1250	14.17	-0.6	14.77	54	-39.83	2.4	Horizontal	AV	Pass		
	2	1946.2500	37.61	2.03	35.58	74	-36.39	83	Horizontal	PK	Pass		
_	2	1946.2500	17.94	2.03	15.91	54	-36.06	83	Horizontal	AV	Pass		
L	3	3401.2500	39.27	9.34	29.93	74	-34.73	18.2	Horizontal	PK	Pass		
	3	3401.2500	27.08	9.34	17.74	54	-26.92	18.2	Horizontal	AV	Pass		
	4	8175.0000	37.45	37.07	0.38	74	-36.55	354.2	Horizontal	PK	Pass		
	4	8175.0000	30.77	37.07	-6.3	54	-23.23	354.2	Horizontal	AV	Pass		
	5	11043.0000	44.68	39.46	5.22	74	-29.32	64.2	Horizontal	PK	Pass		
	5	11043.0000	37.47	39.46	-1.99	54	-16.53	64.2	Horizontal	AV	Pass		
	6	13920.0000	48.95	41.29	7.66	74	-25.05	51.1	Horizontal	PK	Pass		
	6	13920.0000	41.32	41.29	0.03	54	-12.68	51.1	Horizontal	AV	Pass		

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W5CT







Report No.: WSCT-ANAB-R&E240700030A-BT

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W5 [1

	Susputed Data List													
L	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict			
	1	1946.2500	41.21	2.03	39.18	74	-32.79	4.6	Vertical	PK	Pass			
	1	1946.2500	18.72	2.03	16.69	54	-35.28	4.6	Vertical	AV	Pass			
	2	2441.2500	39.9	7.71	32.19	74	-34.1	108	Vertical	PK	Pass			
	2	2441.2500	25.6	7.71	17.89	54	-28.4	108	Vertical	AV	Pass			
	3	3815.6250	43.14	11.1	32.04	74	-30.86	296.8	Vertical	PK	Pass			
	3	3815.6250	34	11.1	22.9	54	-20	296.8	Vertical	AV	Pass			
Ţ	4	7866.0000	37.81	36.8	1.01	74	-36.19	359.6	Vertical	PK	Pass			
L	4	7866.0000	29.4	36.8	-7.4	54	-24.6	359.6	Vertical	AV	Pass			
	5	11161.5000	45.8	39.35	6.45	74	-28.2	45.2	Vertical	PK	Pass			
	5	11161.5000	37.37	39.35	-1.98	54	-16.63	45.2	Vertical	AV	Pass			
	6	14068.5000	49.1	41.41	7.69	74	-24.9	23.7	Vertical	PK	Pass			
	6	14068.5000	42.13	41.41	0.72	54	-11.87	23.7	Vertical	AV	Pass			

Note:

- 1. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 2. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 3. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 4. Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (GFSK) was submitted only.

Please refer to Annex "Set Up Photos-15C" for test setup photos

****END OF REPORT****

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