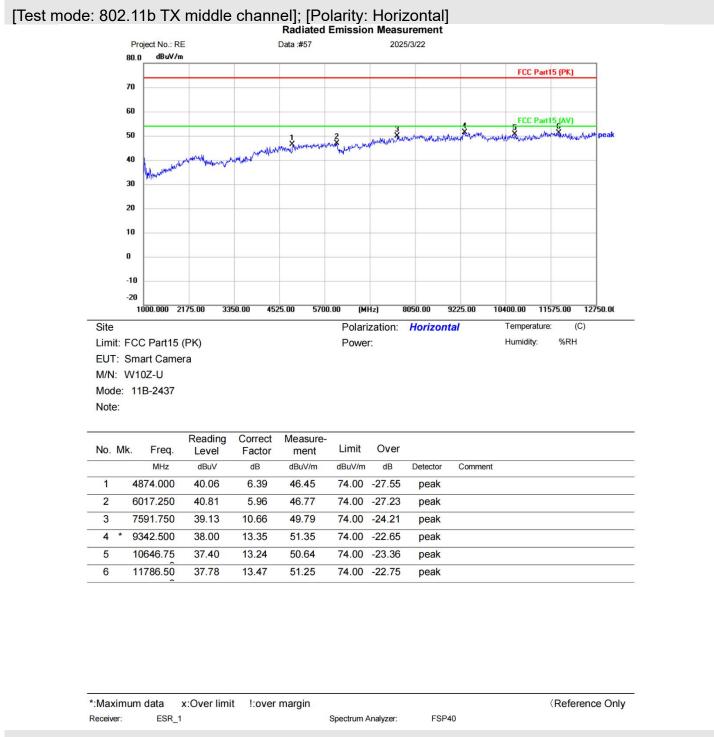


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Test Result: Pass

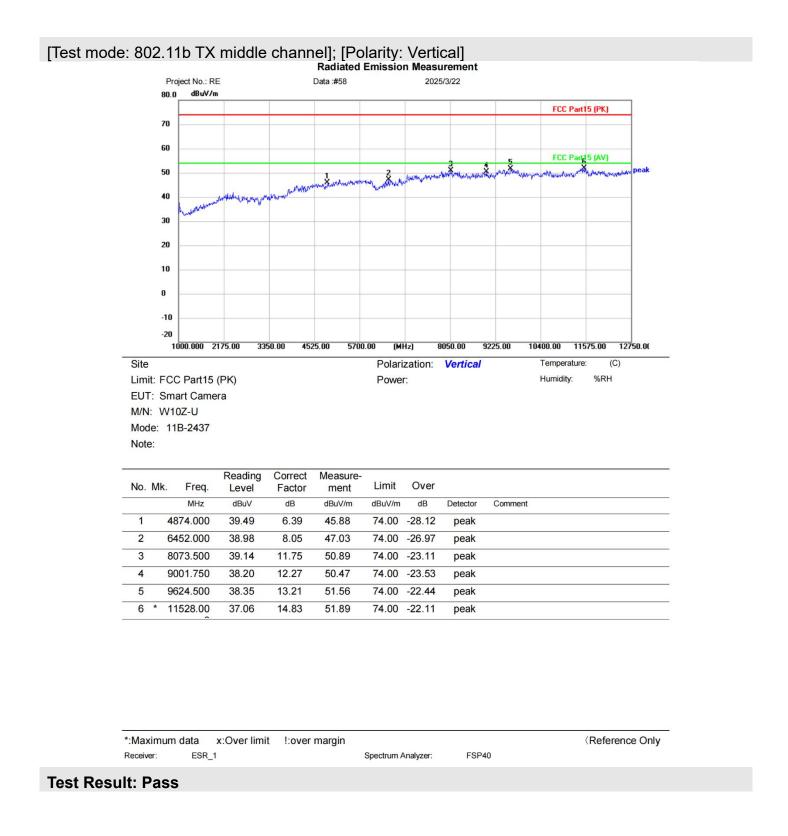
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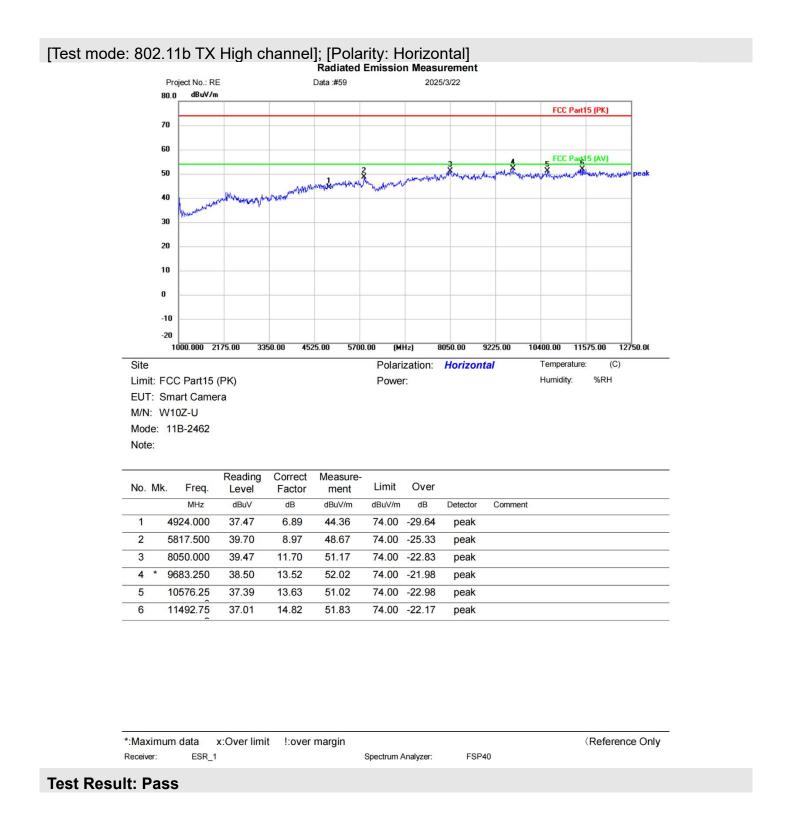
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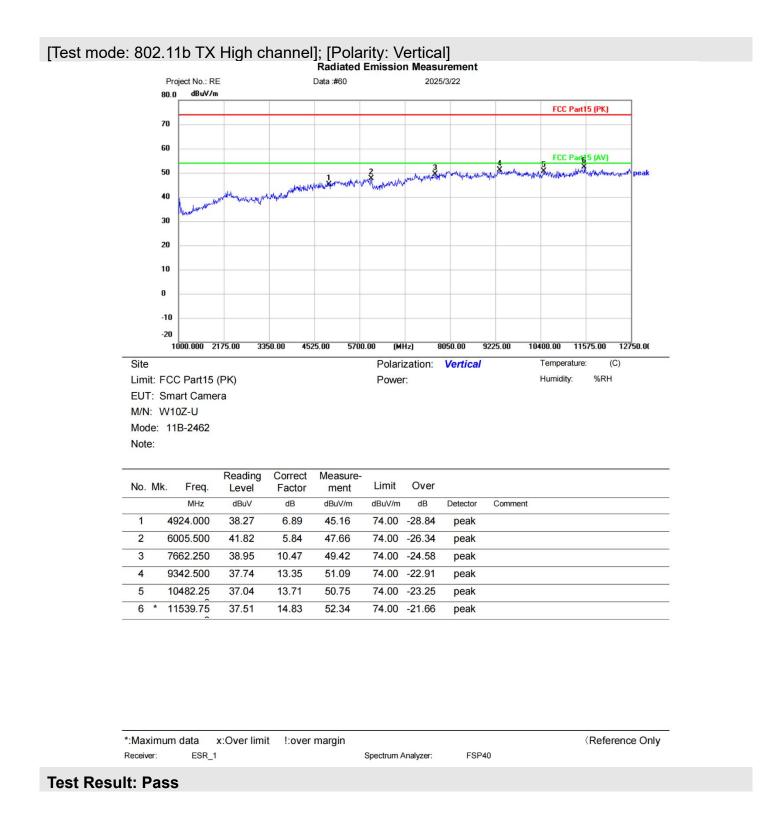
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6.9 Radiated emissions which fall in the restricted bands

Test Standard	47 CFR Part 15, Subpart C 15.247(d)
Test Method	ANSI C63.10 (2013) Section 6.12
Test Mode (Pre-Scan)	ТХ
Test Mode (Final Test)	ТХ

6.9.1 Limit

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

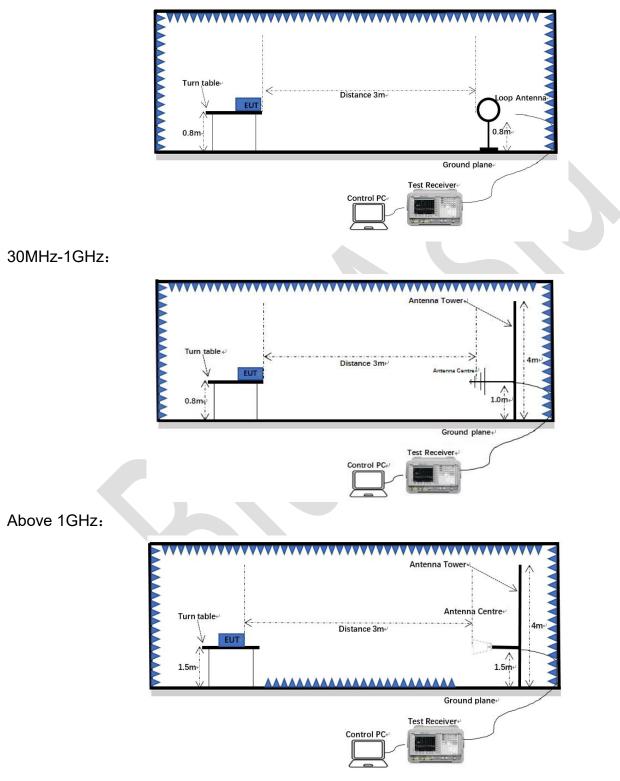
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6.9.2 Test setup

Below 1GHz:



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6.9.3 Procedure

- a) For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

Note 1: Level (dBuV) = Reading (dBuV) + Factor (dB/m)

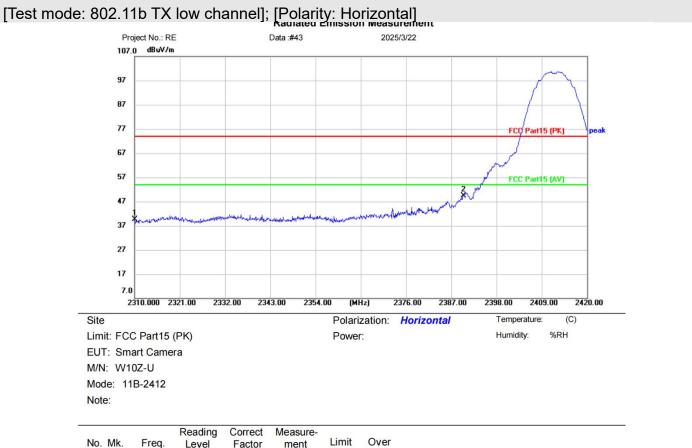
Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

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6.9.4 Test data



NO.	IVIK	. Freq.	Level	Factor	ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	42.58	-2.87	39.71	74.00	-34.29	peak		
2	*	2390.000	51.93	-2.44	49.49	74.00	-24.51	peak		

*:Maximum data x:Over limit !:over margin Receiver: ESR_1

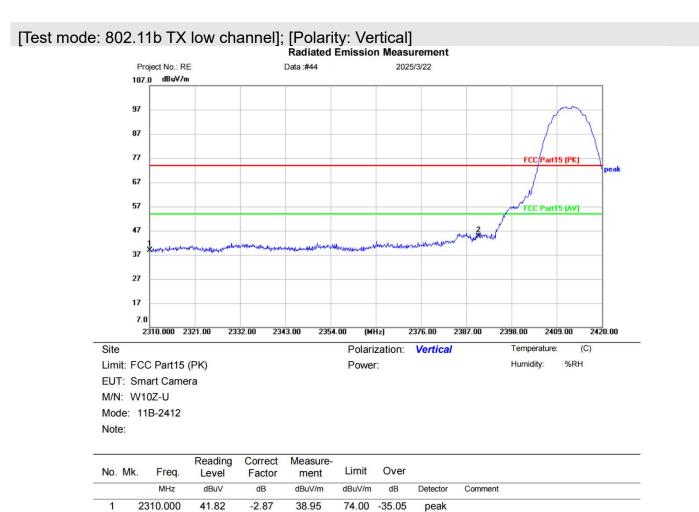
Spectrum Analyzer: FSP40

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*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Spectrum Analyzer: (Reference Only

Test Result: Pass

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2390.000

47.01

-2.44

44.57

74.00 -29.43

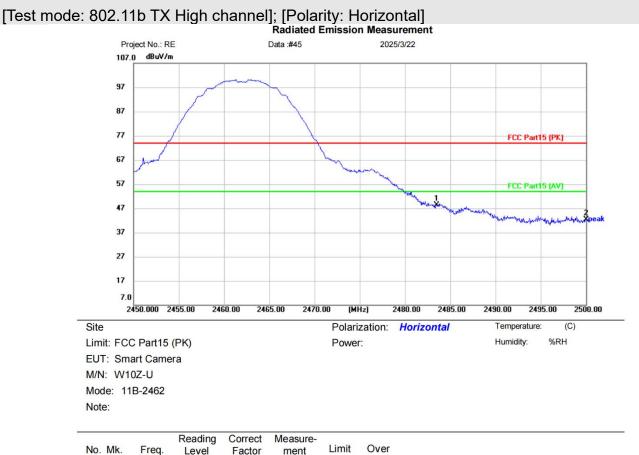
peak

FSP40

2 *



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140.	IVIII	. iteq.	Level	Factor	ment	Linne	0.0.			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2483.500	51.24	-2.91	48.33	74.00	-25.67	peak		
2		2500.000	45.37	-3.00	42.37	74.00	-31.63	peak		

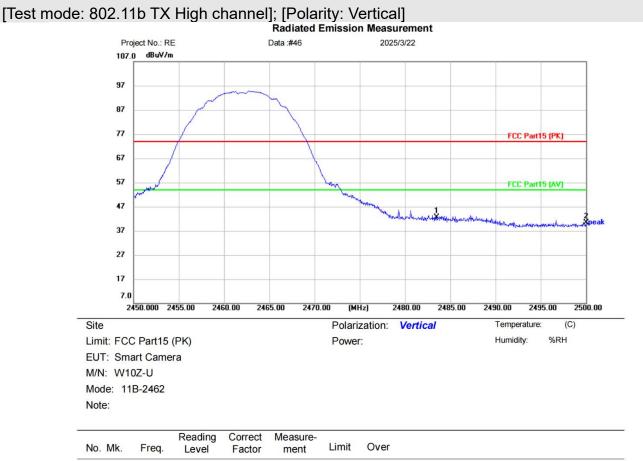
FSP40

*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Spectrum Analyzer: (Reference Only

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NO. WIN	. Trey.	Level	Factor	ment	Linne	0.01		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2483.500	45.54	-2.91	42.63	74.00	-31.37	peak	
2	2500.000	43.33	-3.00	40.33	74.00	-33.67	peak	

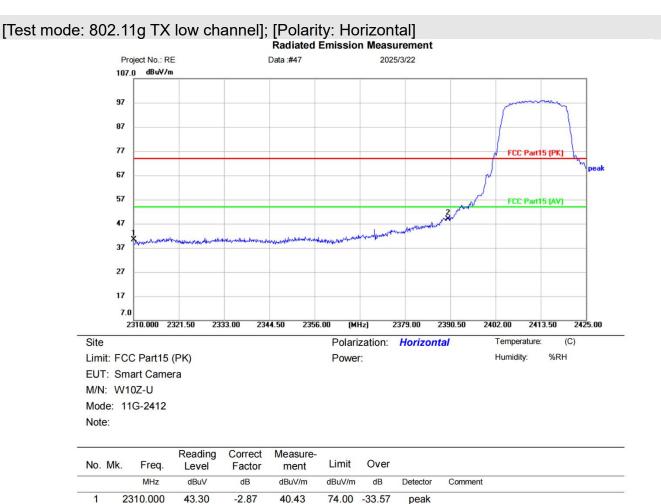
*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Spectrum Analyzer: Reference Only

FSP40

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*:Maximum	data	x:Over limit	!:over margin			
Receiver:	ESR	1		Spectrum Analyzer:	FSP40	

48.79

74.00 -25.21

peak

Test Result: Pass

2 *

2390.000

51.23

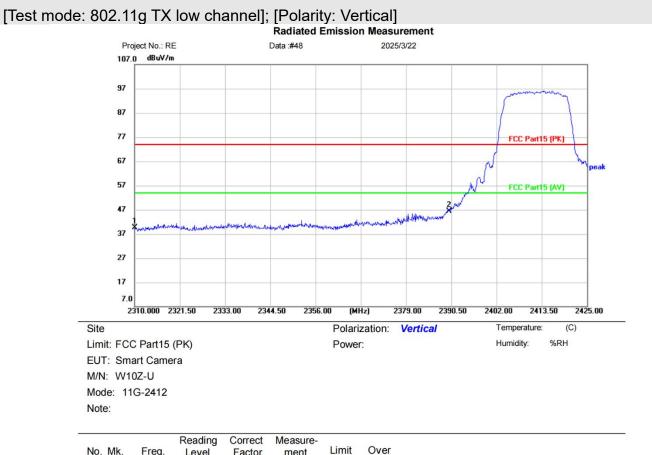
-2.44

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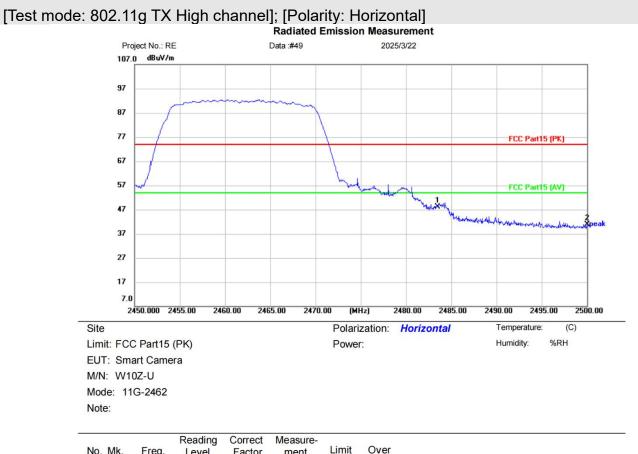
NO.	IVID	K. Fley.	Level	Factor	ment	Linne	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2310.000	42.43	-2.87	39.56	74.00	-34.44	peak		
2	*	2390.000	48.80	-2.44	46.36	74.00	-27.64	peak		

*:Maximum d	lata	x:Over limit	!:over margin			Reference Only
Receiver:	ESR_	_1		Spectrum Analyzer:	FSP40	

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	riey.	Level	Factor	ment					
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1 * :	2483.500	51.00	-2.91	48.09	74.00	-25.91	peak		
2	2500.000	43.78	- <mark>3.00</mark>	40.78	74.00	-33.22	peak		

*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Sp

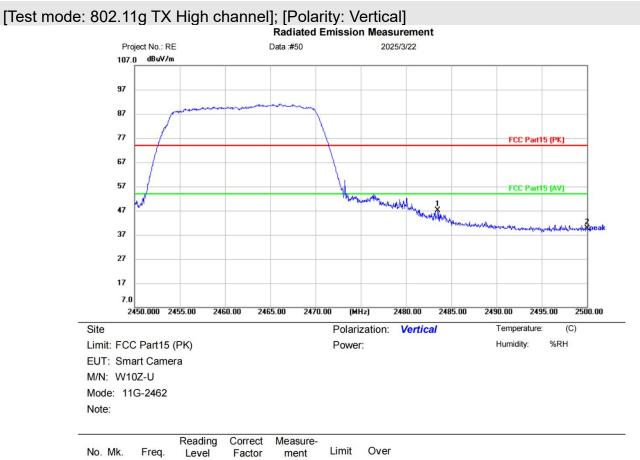
Spectrum Analyzer: FSP40

(Reference Only

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140.	IVIII	. iicq.	Level	Factor	ment	Linne	0.01			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2483.500	50.00	-2.91	47.09	74.00	-26.91	peak		
2		2500.000	42.60	-3.00	39.60	74.00	-34.40	peak		

*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Spe

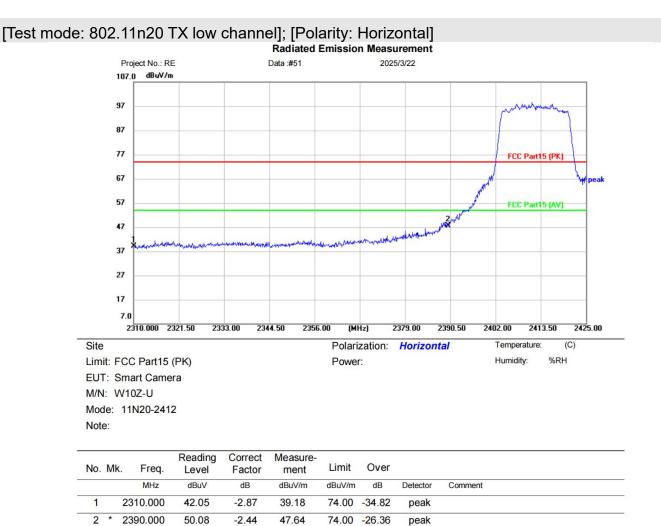
Spectrum Analyzer: FSP40

Reference Only

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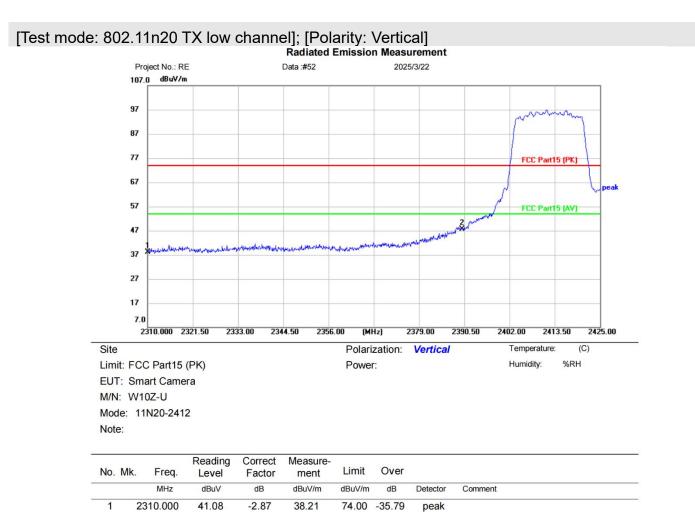


*:Maximu	m data	x:Over limit	!:over margin			(Reference Only
Receiver:	ESR	_1		Spectrum Analyzer:	FSP40	

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*:Maximum	data	x:Over limit	!:over margin	
Receiver:	ESR	_1		Spectrum Analyzer:

Reference Only

Test Result: Pass

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2390.000

50.14

-2.44

47.70

74.00 -26.30

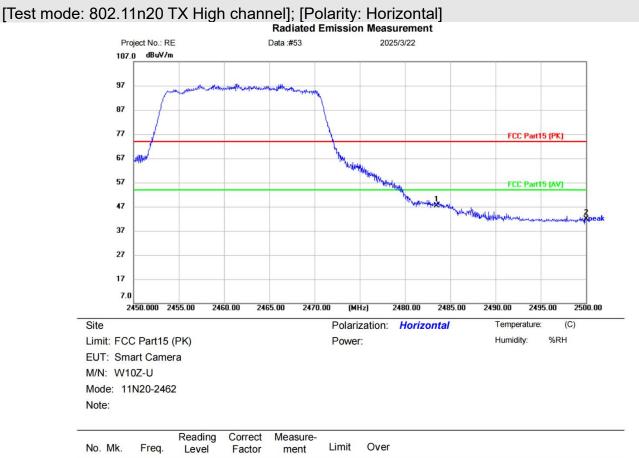
peak

FSP40

2 *



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NO. WIN	. rrey.	Level	Factor	ment	Linne	0.01		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2483.500	50.26	-2.91	47.35	74.00	-26.65	peak	
2	2500.000	44.80	-3.00	41.80	74.00	-32.20	peak	

*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Spectrum Analyzer:

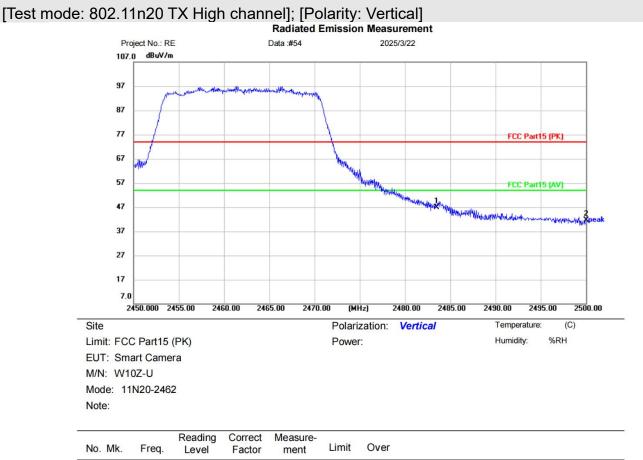
Analyzer: FSP40

(Reference Only

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10. 11		rioq.	LCVCI	1 actor	mem				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2	2483.500	49.71	-2.91	46.80	74.00	-27.20	peak	
2	2	2500.000	44.58	-3.00	41.58	74.00	-32.42	peak	

*:Maximum data x:Over limit !:over margin Receiver: ESR_1 Sp

Spectrum Analyzer:

FSP40

(Reference Only

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7 Appendix A

7.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	100	0
NVNT	b	2437	Ant1	100	0
NVNT	b	2462	Ant1	100	0
NVNT	g	2412	Ant1	100	0
NVNT	g	2437	Ant1	100	0
NVNT	g	2462	Ant1	100	0
NVNT	n20	2412	Ant1	100	0
NVNT	n20	2437	Ant1	100	0
NVNT	n20	2462	Ant1	100	0

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RT	rum Analyzer - Swept SA RF 50 Ω AC	S	ENSE:INT	ALIGNAUTO		03:39:16 PM Mar 14, 2025
enter F	req 2.412000000 GHz	PNO: Fast +++ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type:	Log-Pwr	TRACE 1 2 3 4 5 TYPE WWWWWW DET P N N N N
) dB/div	Ref Offset 2.26 dB Ref 20.00 dBm					
0.0						
00	JA belimit in than meridean de limer asterie in	ra la Indolma la Indola	na ha kun na ha shi ku ku ku sha sha shi k	Jura da Calendaria da Calendaria		te lance de lan be lance, de lanch, lance de lanc
0.0						
0.0						
0.0						
0.0						
0.0						
0.0						
	412000000 GHz	generation of				Span 0 Hz
es BW 1 c	1.0 MHz	#VBV	V 3.0 MHz	STATUS	Sweep	100.0 ms (10001 pts

Duty Cycle NVNT b 2412MHz Ant1

Duty Cycle NVNT b 2437MHz Ant1

eq 2.4370000	00 GHz				ALIGNAUTO	1000 00 m 1000		5 PM Mar 14, 2025
	Р	'NO: Fast ↔ Gain:Low	. Trig: Free #Atten: 30	Run dB	Avg Type:	Log-Pwr		TYPE WMMMMM DET P N N N N
Ref Offset 2.06 dl Ref 20.00 dBn								
ta linas in state linas ta th	a horen da dit de horen de	de dis Inconste Se dis La d	una da fanto huna ka i	indir, duca, e dir, binster, d	n, a la bora Lo, a la bo	nada. Di da dura ta Ci	la duar ta ta ta tur	le in te hore te t
	2	2						
							<u></u>	
		c						
		2						
37000000 GHz 0 MHz		#VB	W 3.0 MHz	1		Sweep	100.0 ms	Span 0 H (10001 pt
	37000000 GHz	37000000 GHz	Defence in the lines (1914) interested to be detected to be detect				370000000 GHz #VBW 3.0 MHz Sweep	370000000 GHz #VBW 3.0 MHz Sweep 100.0 ms

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Duty Cycle NVNT b 2462MHz Ant1

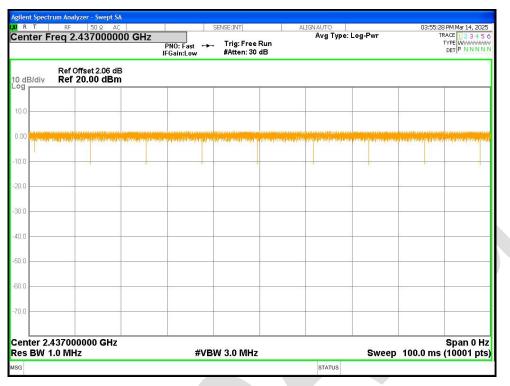
Duty Cycle NVNT g 2412MHz Ant1



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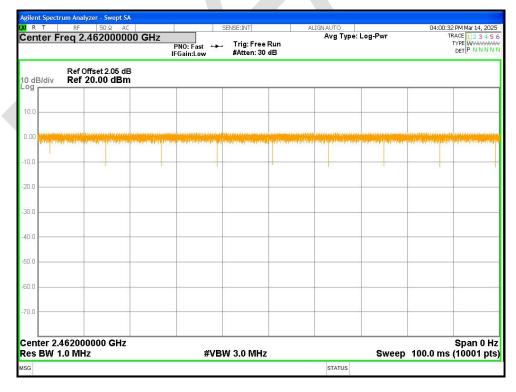


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Duty Cycle NVNT g 2437MHz Ant1

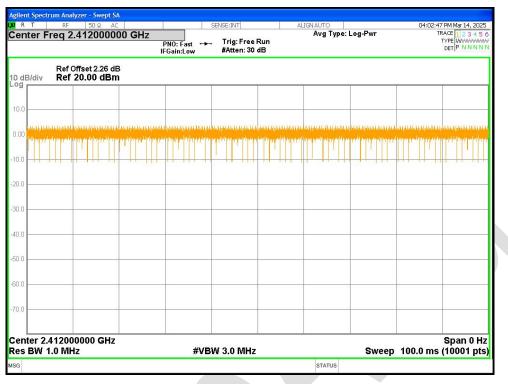
Duty Cycle NVNT g 2462MHz Ant1



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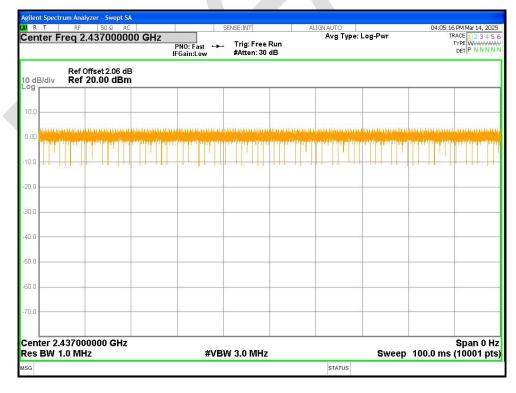


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Duty Cycle NVNT n20 2412MHz Ant1

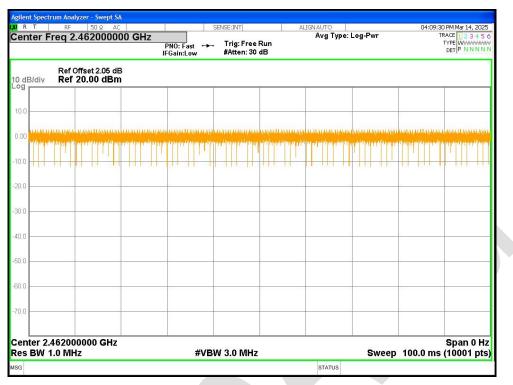
Duty Cycle NVNT n20 2437MHz Ant1



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Duty Cycle NVNT n20 2462MHz Ant1

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Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	11.483	30	Pass
NVNT	b	2437	Ant1	11.306	30	Pass
NVNT	b	2462	Ant1	10.826	30	Pass
NVNT	g	2412	Ant1	11.429	30	Pass
NVNT	g	2437	Ant1	11.305	30	Pass
NVNT	g	2462	Ant1	10.876	30	Pass
NVNT	n20	2412	Ant1	11.694	30	Pass
NVNT	n20	2437	Ant1	11.57	30	Pass
NVNT	n20	2462	Ant1	11.053	30	Pass

7.2 Maximum Conducted Output Power

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Power NVNT b 2412MHz Ant1

Power NVNT b 2437MHz Ant1

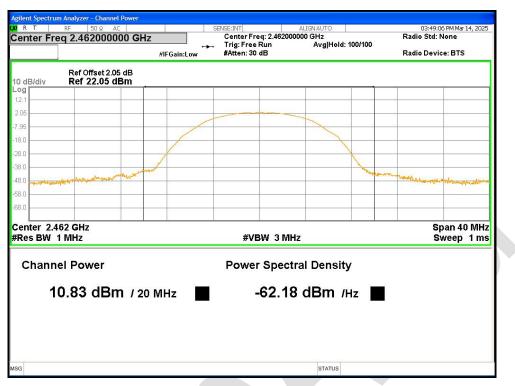


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Power NVNT b 2462MHz Ant1

Power NVNT g 2412MHz Ant1



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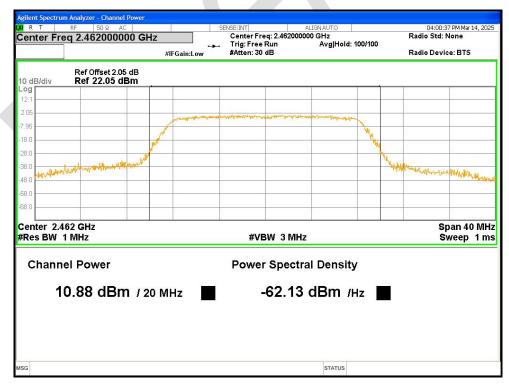


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Power NVNT g 2437MHz Ant1

Power NVNT g 2462MHz Ant1



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Power NVNT n20 2412MHz Ant1

Power NVNT n20 2437MHz Ant1



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