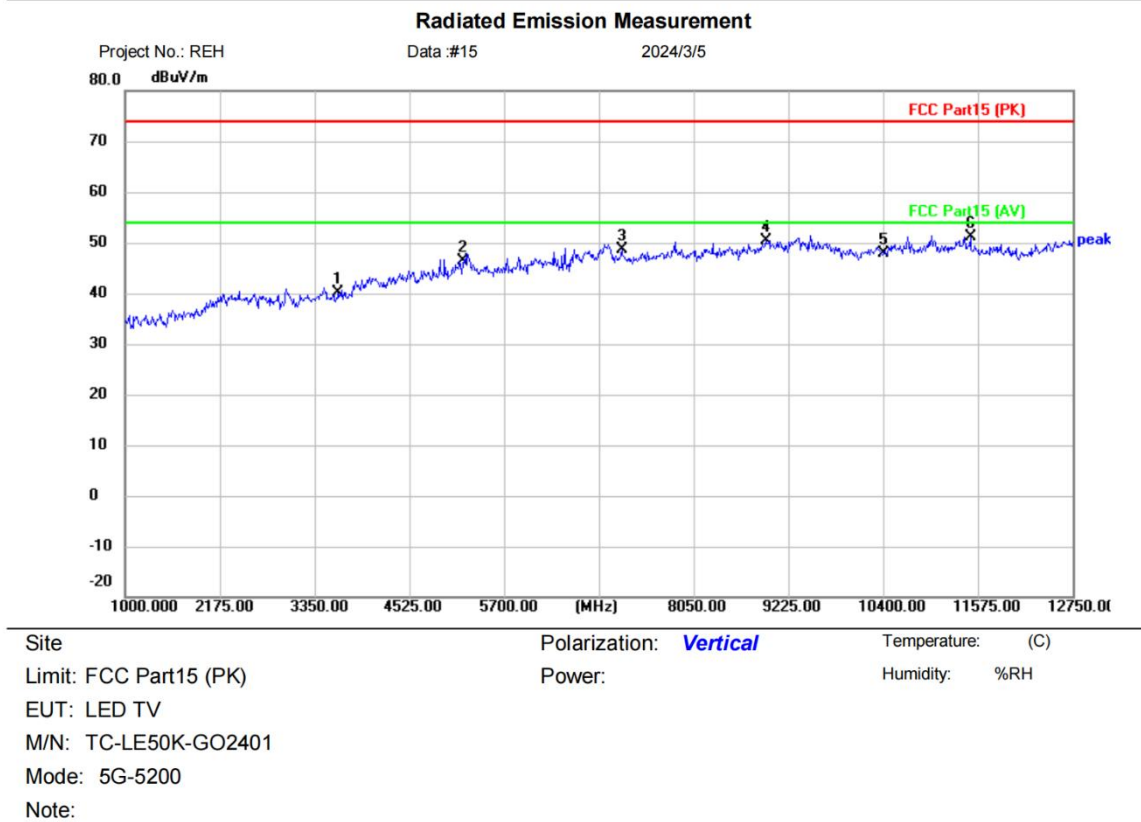


[TestMode: TX band1 a 5200 channel]; [Polarity: Vertical]



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		3643.750	40.09	-0.07	40.02	74.00	-33.98	peak	
2		5200.000	37.31	9.04	46.35	74.00	-27.65	peak	
3		7157.000	39.37	9.33	48.70	74.00	-25.30	peak	
4		8943.000	38.17	12.23	50.40	74.00	-23.60	peak	
5		10400.00	35.10	12.89	47.99	74.00	-26.01	peak	
6	*	11481.00	38.43	12.62	51.05	74.00	-22.95	peak	

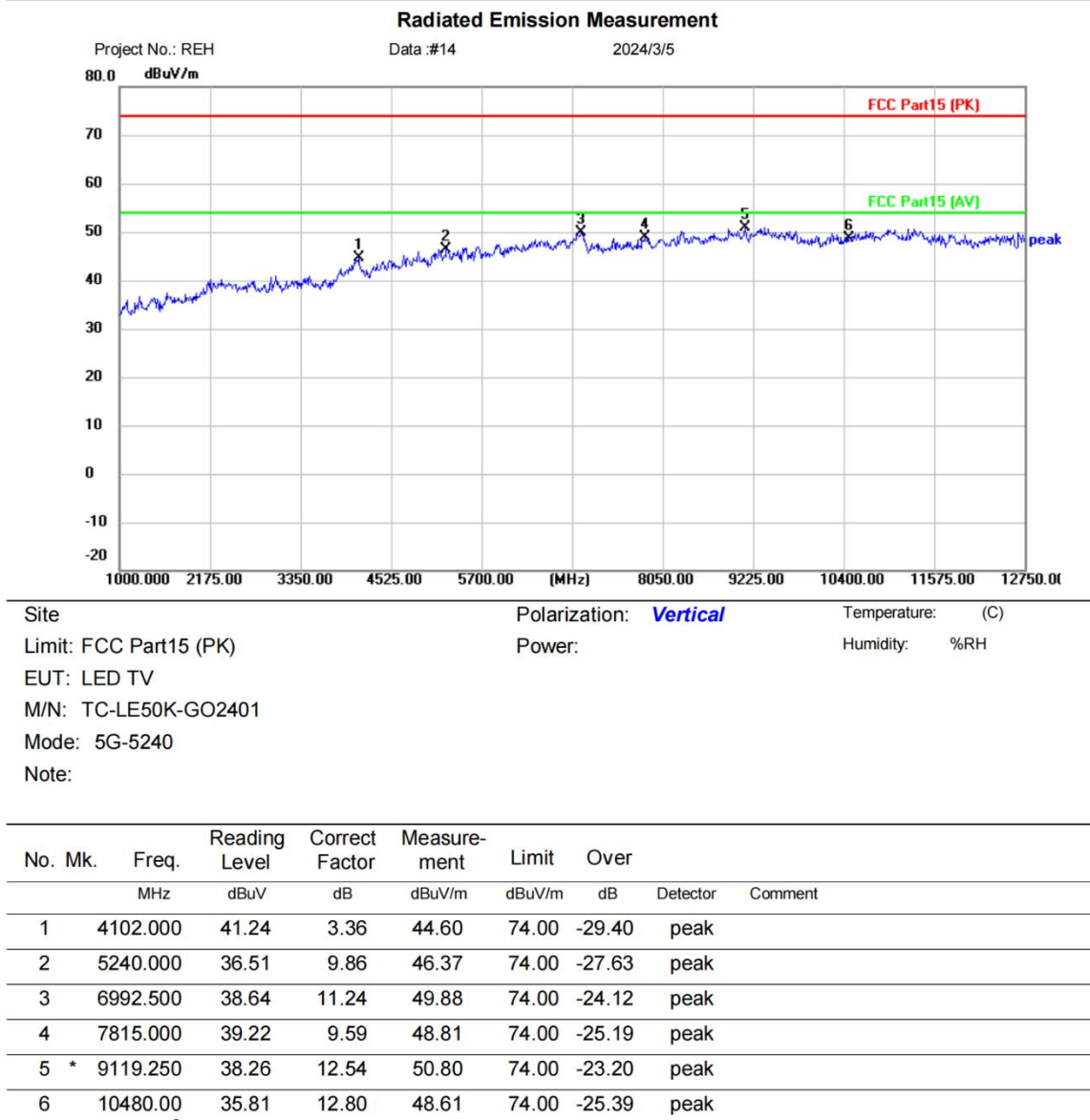
*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band1 a 5240 channel]; [Polarity: Vertical]



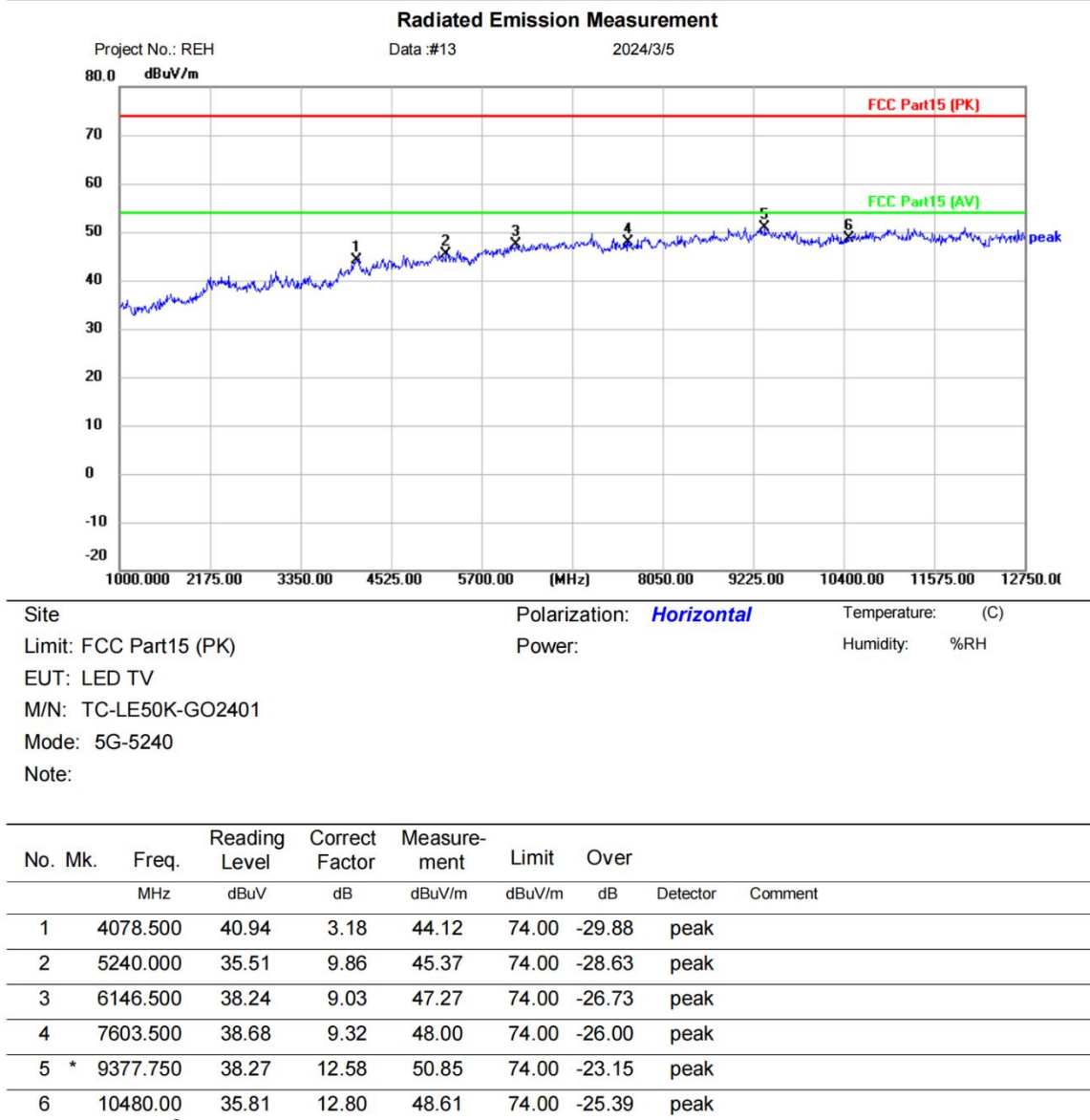
*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band1 a 5240 channel]; [Polarity: Horizontal]

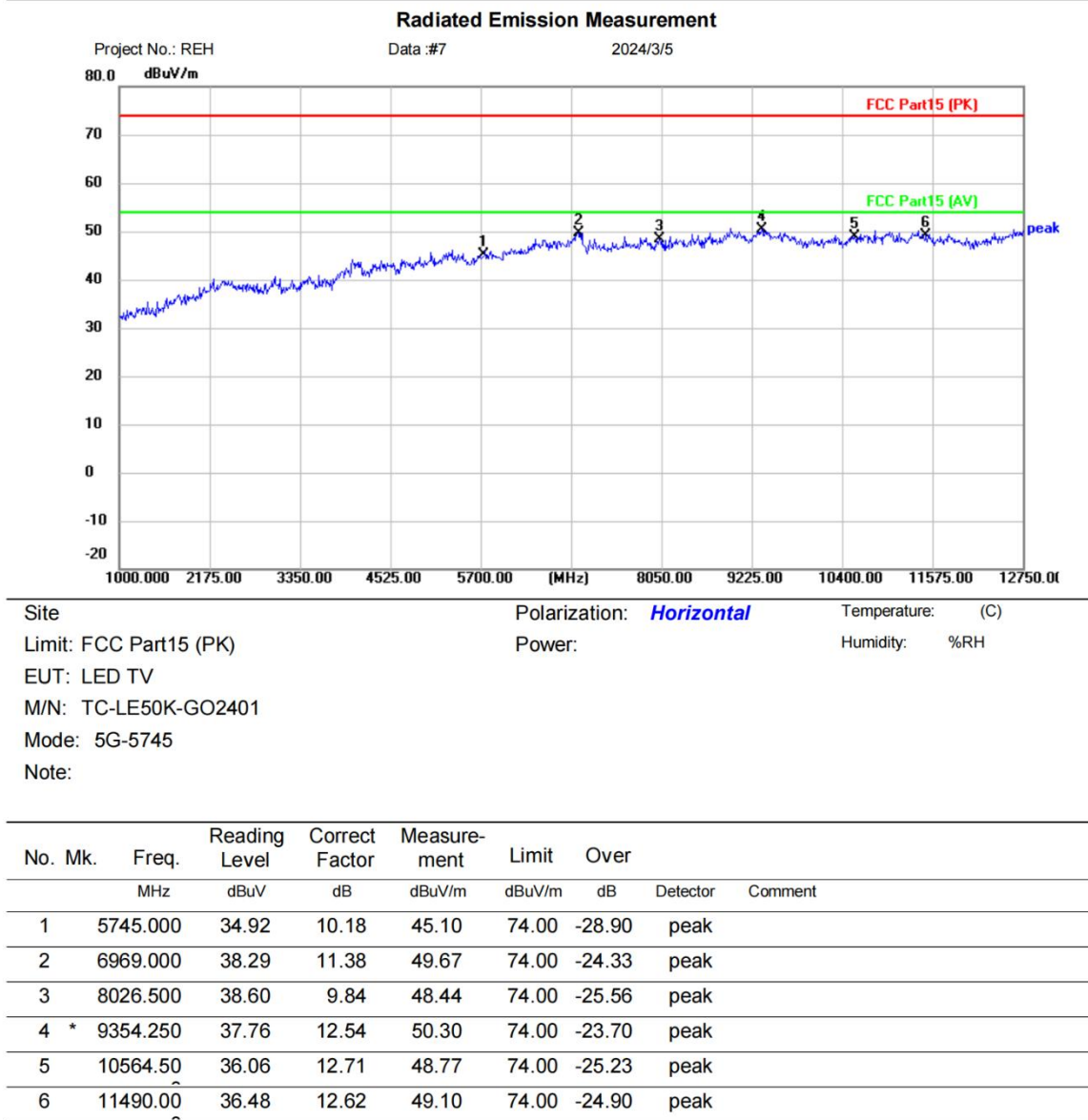


*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band4 a 5745 channel]; [Polarity: Horizontal]

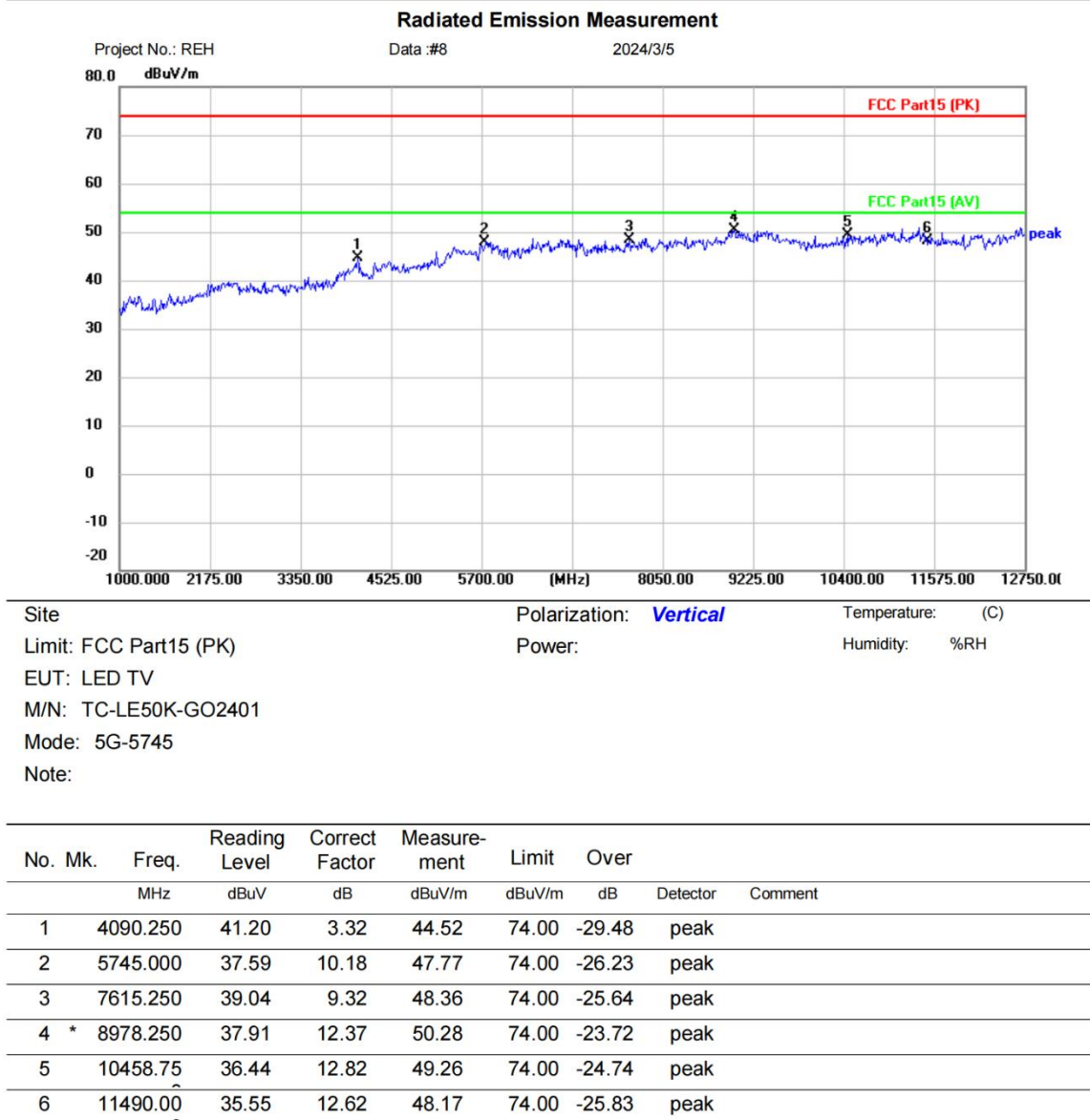


*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band4 a 5745 channel]; [Polarity: Vertical]

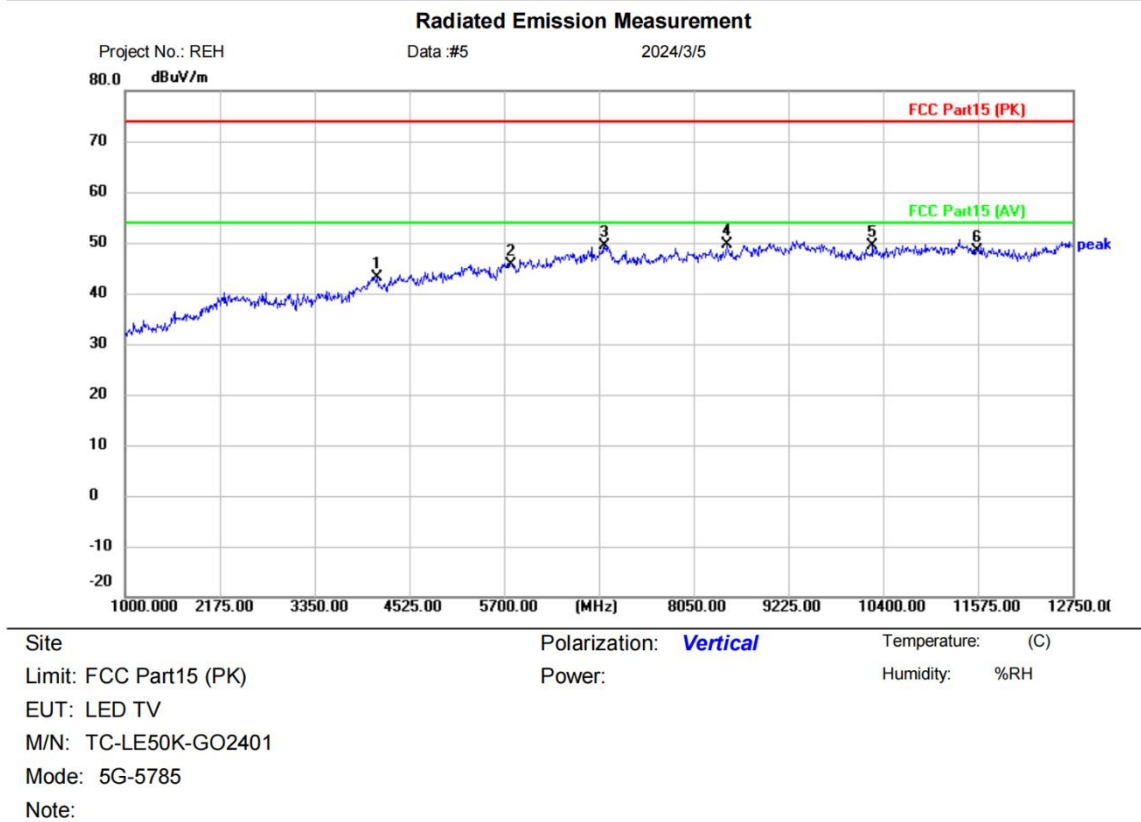


*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band4 a 5785 channel]; [Polarity: Vertical]



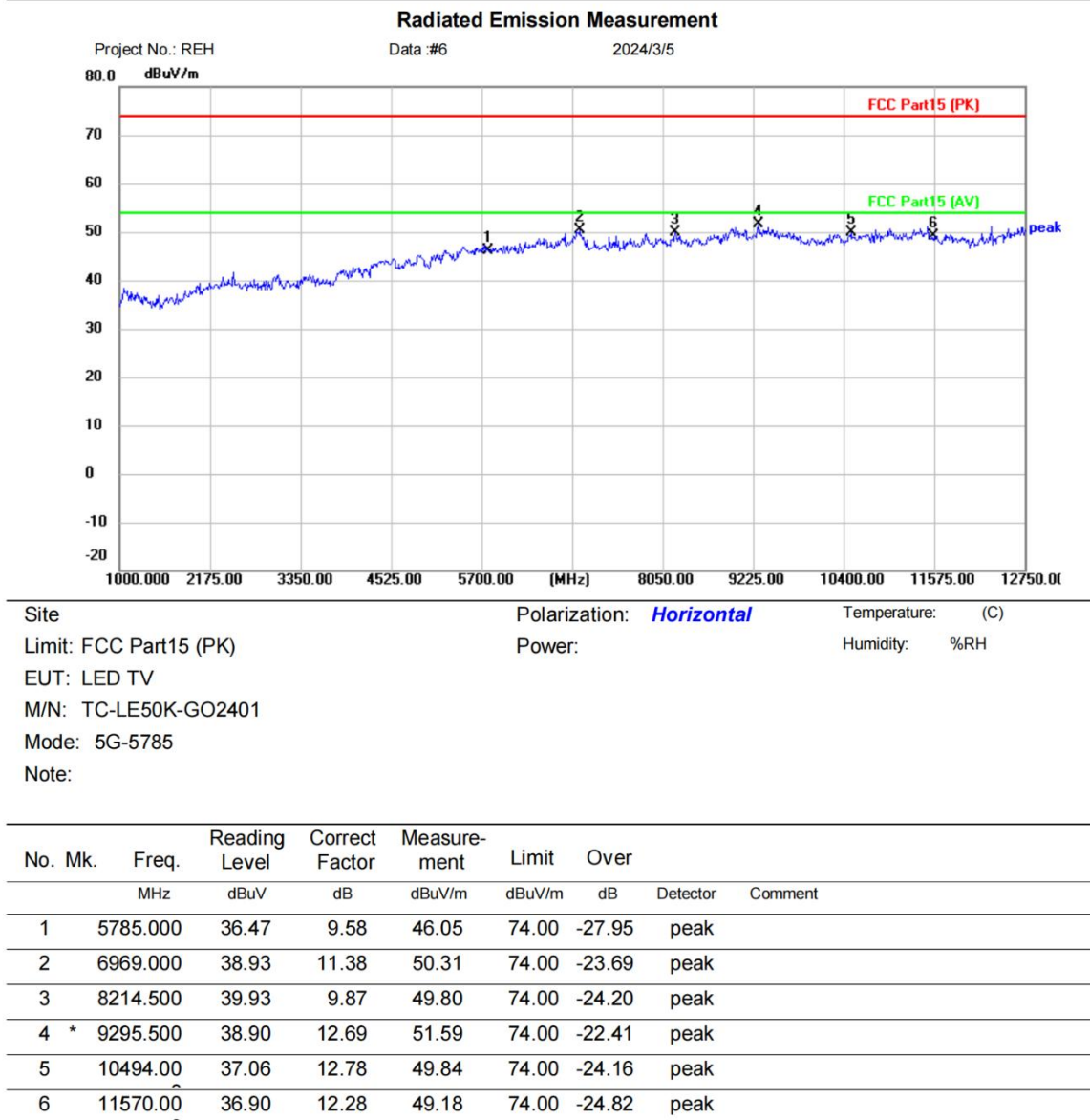
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4125.500	39.70	3.51	43.21	74.00	-30.79	peak	
2		5785.000	36.05	9.58	45.63	74.00	-28.37	peak	
3		6945.500	37.99	11.41	49.40	74.00	-24.60	peak	
4	*	8461.250	38.91	10.70	49.61	74.00	-24.39	peak	
5		10270.75	36.67	12.69	49.36	74.00	-24.64	peak	
6		11570.00	36.13	12.28	48.41	74.00	-25.59	peak	

*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band4 a 5785 channel]; [Polarity: Horizontal]

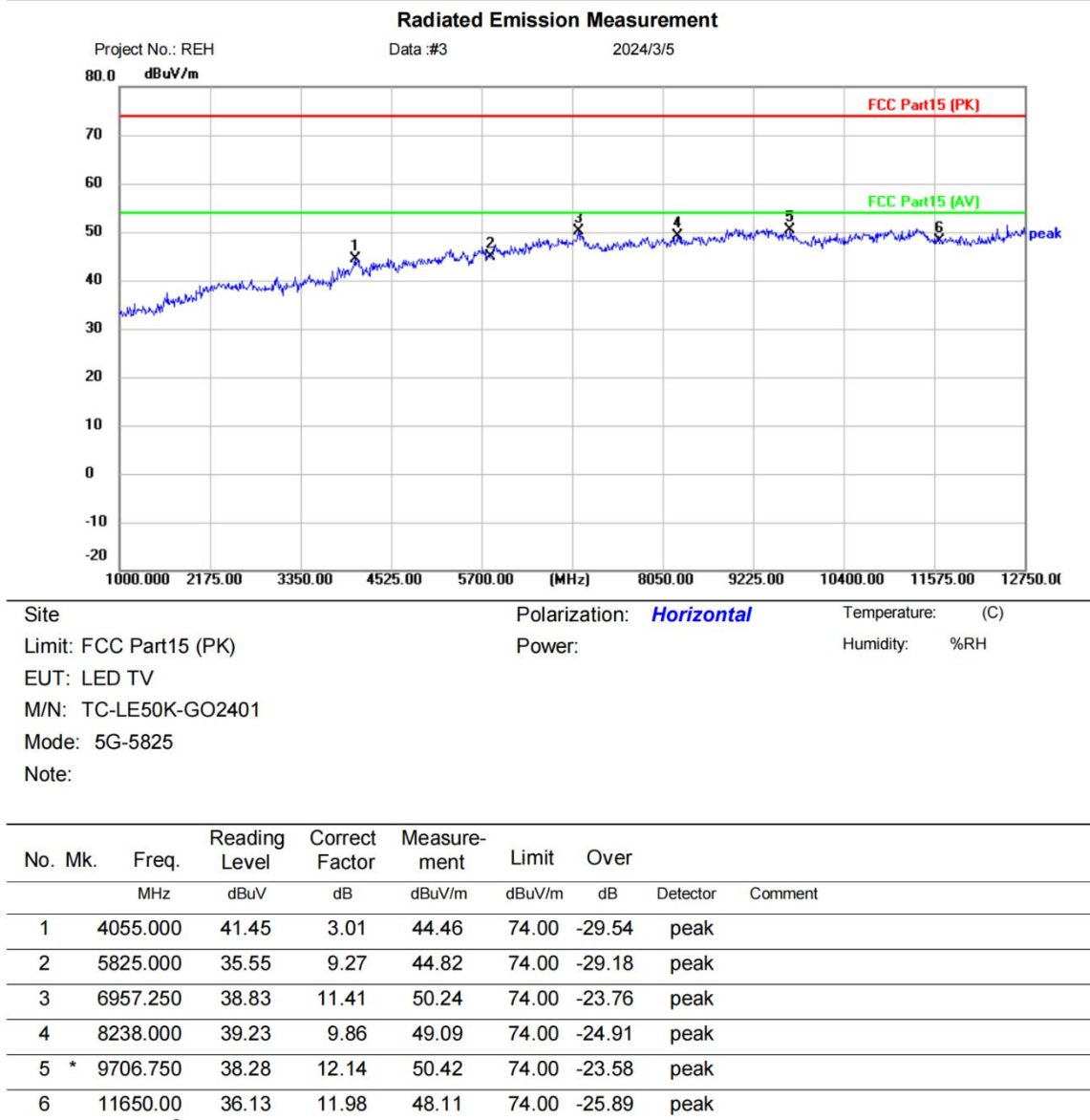


*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band4 a 5825 channel]; [Polarity: Horizontal]

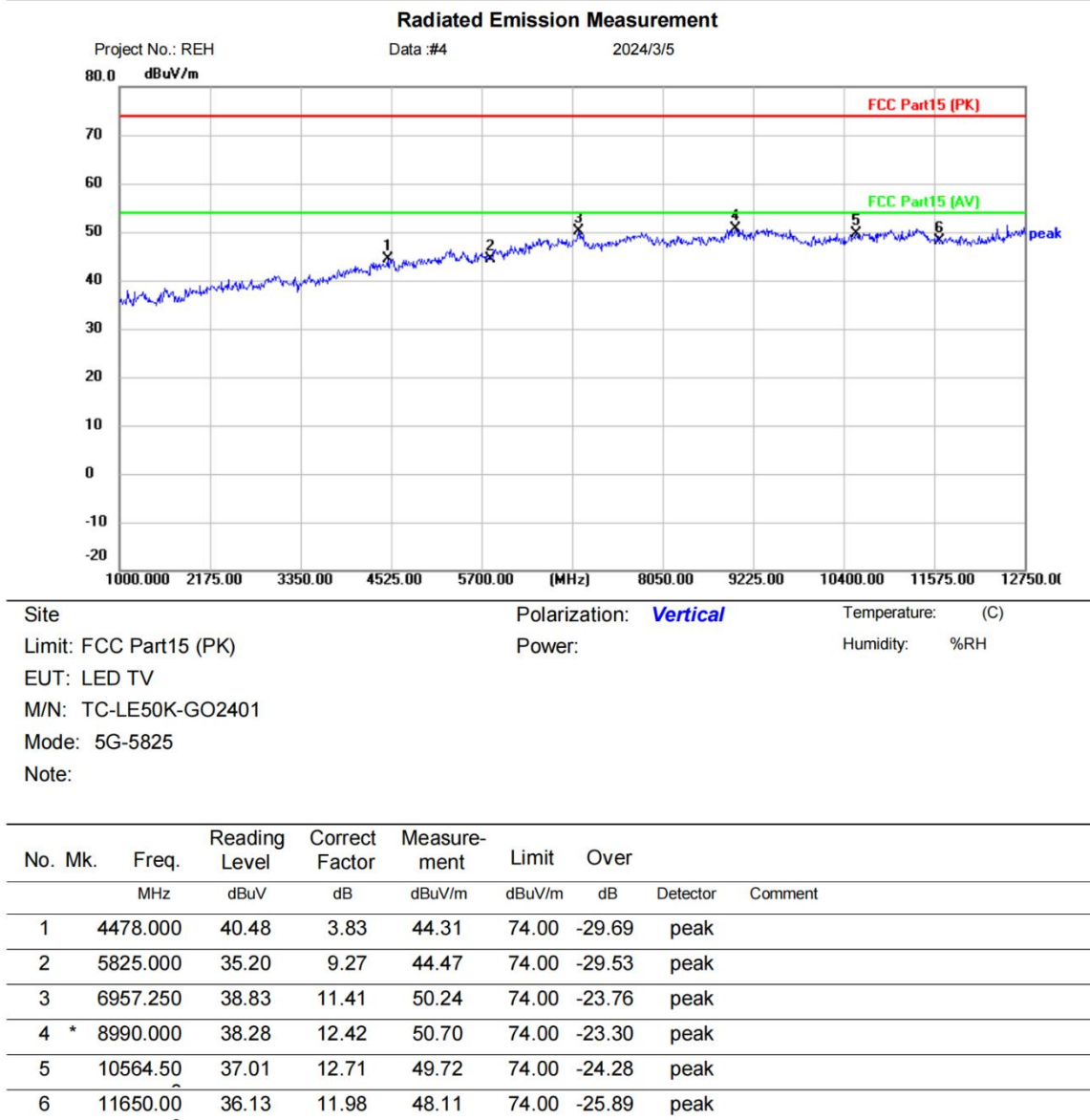


*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40
Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

[TestMode: TX band4 a 5825 channel]; [Polarity: Vertical]



*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G Engineer Signature:

Test Result: Pass

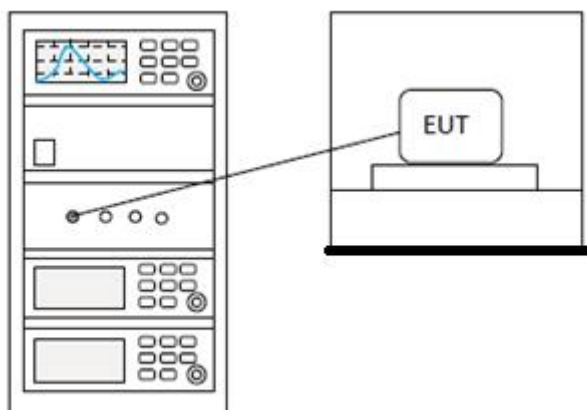
14 PEAK POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II F
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

14.1 LIMITS

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

14.2 BLOCK DIAGRAM OF TEST SETUP



14.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

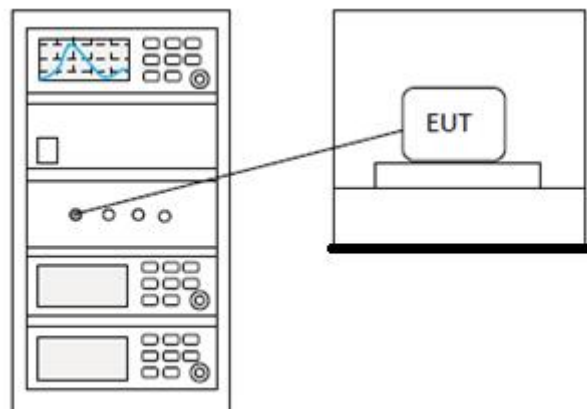
15 MAXIMUM CONDUCTED OUTPUT POWER

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II E
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

15.1 LIMITS

Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

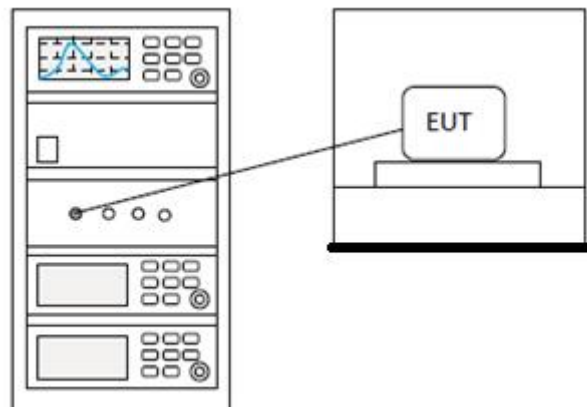
16 MINIMUM 6 DB BANDWIDTH (5.725-5.85 GHZ BAND)

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II C 2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

16.1 LIMITS

Limit:	≥ 500 kHz
--------	----------------

16.2 BLOCK DIAGRAM OF TEST SETUP



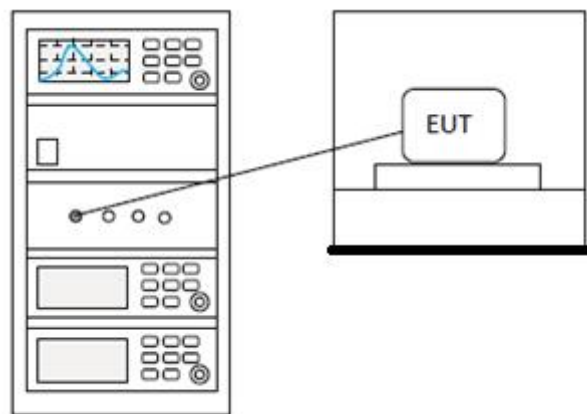
16.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

17 26DB EMISSION BANDWIDTH

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 D02 II C 1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

17.1 BLOCK DIAGRAM OF TEST SETUP



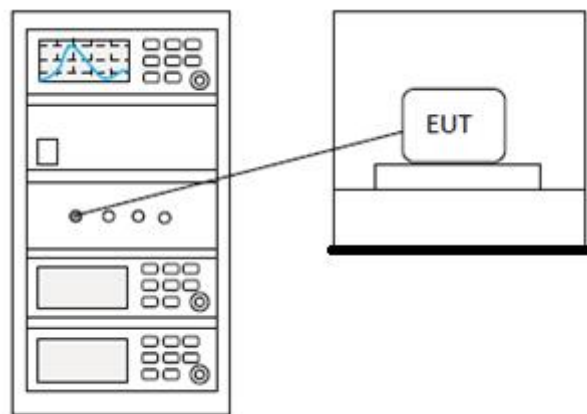
17.2 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

18 99% BANDWIDTH

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 II D
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

18.1 BLOCK DIAGRAM OF TEST SETUP



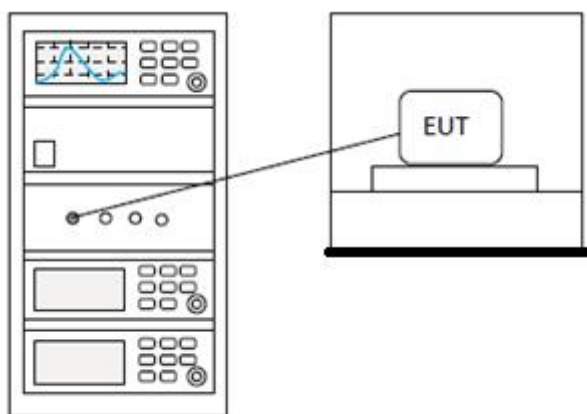
18.2 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

19 DUTY CYCLE

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	KDB 789033 II B 1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

19.1 BLOCK DIAGRAM OF TEST SETUP



19.2 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

20 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

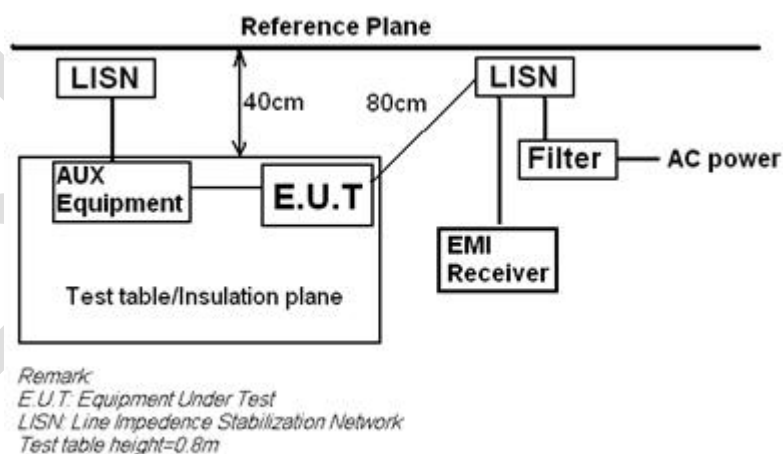
Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	ANSI C63.10 (2013) Section 6.2
Test Mode (Pre-Scan)	Transmitting mode
Test Mode (Final Test)	Transmitting mode
Tester	Jozu
Temperature	25℃
Humidity	60%

20.1 LIMITS

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

20.2 BLOCK DIAGRAM OF TEST SETUP



20.3 PROCEDURE

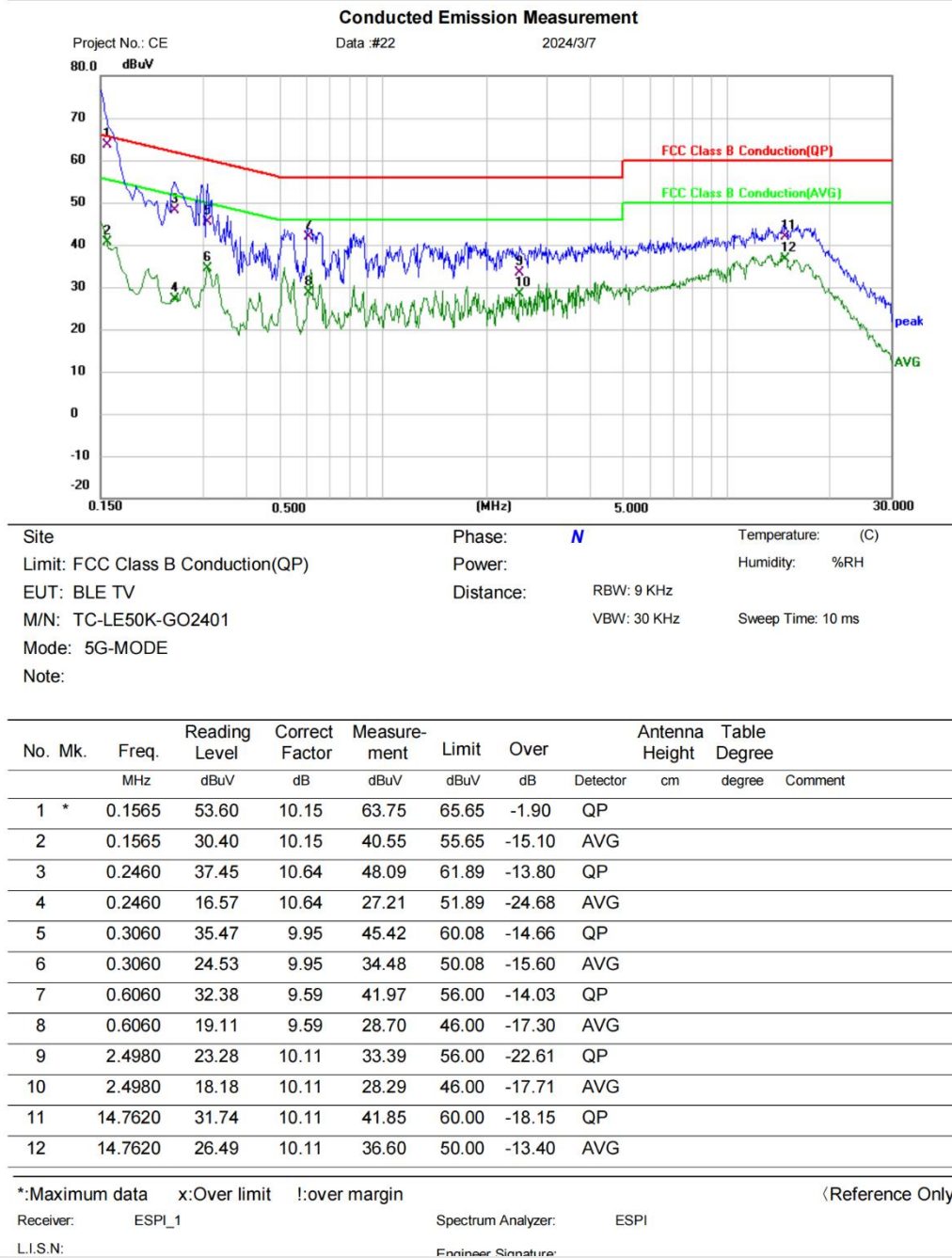
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: $LISN = Read\ Level + Cable\ Loss + LISN\ Factor$

20.4 TEST DATA

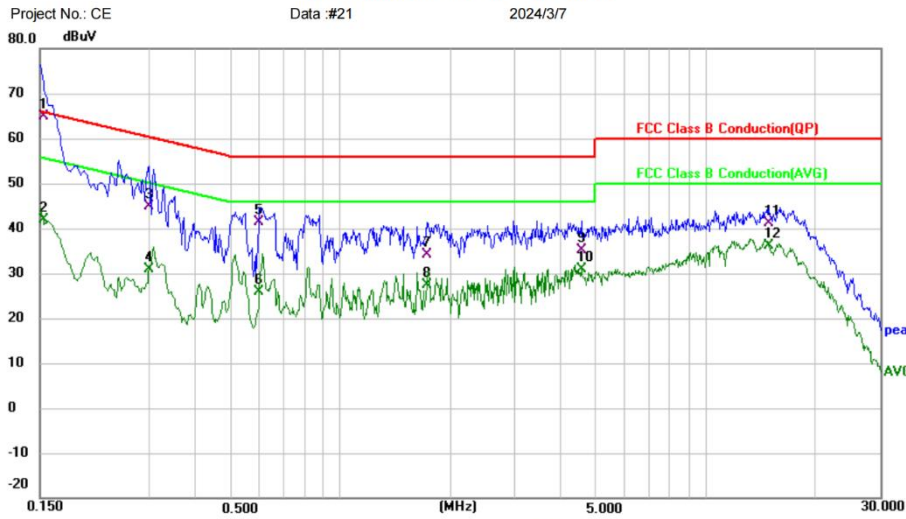
[TestMode: Transmitting mode]; [Line: Nutral] ;[Power:AC120V/60Hz]



Test Result: Pass

[TestMode: Transmitting mode]; [Line: Line] ;[Power:AC120V/60Hz]

Conducted Emission Measurement



Site: Phase: **L1** Temperature: (C)
Limit: FCC Class B Conduction(QP) Power: Humidity: %RH
EUT: BLE TV Distance: RBW: 9 KHz
M/N: TC-LE50K-GO2401 VBW: 30 KHz Sweep Time: 10 ms
Mode: 5G-MODE
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	0.1532	54.77	10.11	64.88	65.82	-0.94	QP		
2		0.1532	31.65	10.11	41.76	55.82	-14.06	AVG		
3		0.2980	34.73	10.10	44.83	60.30	-15.47	QP		
4		0.2980	20.89	10.10	30.99	50.30	-19.31	AVG		
5		0.5980	31.74	9.60	41.34	56.00	-14.66	QP		
6		0.5980	16.18	9.60	25.78	46.00	-20.22	AVG		
7		1.7220	24.10	10.05	34.15	56.00	-21.85	QP		
8		1.7220	17.35	10.05	27.40	46.00	-18.60	AVG		
9		4.5580	24.78	10.39	35.17	56.00	-20.83	QP		
10		4.5580	20.38	10.39	30.77	46.00	-15.23	AVG		
11		14.8300	31.08	10.15	41.23	60.00	-18.77	QP		
12		14.8300	26.09	10.15	36.24	50.00	-13.76	AVG		

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

<Reference Only

Receiver: ESPI_1

Spectrum Analyzer: ESPI

L.I.S.N:

Engineer Signature:

Test Result: Pass

21 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart E 15.407
Test Method	N/A

21.1 CONCLUSION

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The best case gain of the antenna is Antenna 1: band1: 2.52dBi, band4: 4.61dBi; Antenna 2: band1: 2.52dBi, band4: 4.61dBi.

22 USER ACCESS RESTRICTIONS

Requirement:	The equipment shall be so constructed that settings (hardware and/or software) related to DFS shall not be accessible to the user if changing those settings result in the equipment no longer being compliant with the DFS requirements in 47 CFR Part 15, Subpart C 15.407 (i)(1)
Description:	Users cannot access DFS-related settings (hardware and / or software) and the device meets the DFS requirements in Section 15.407 (i)(1).

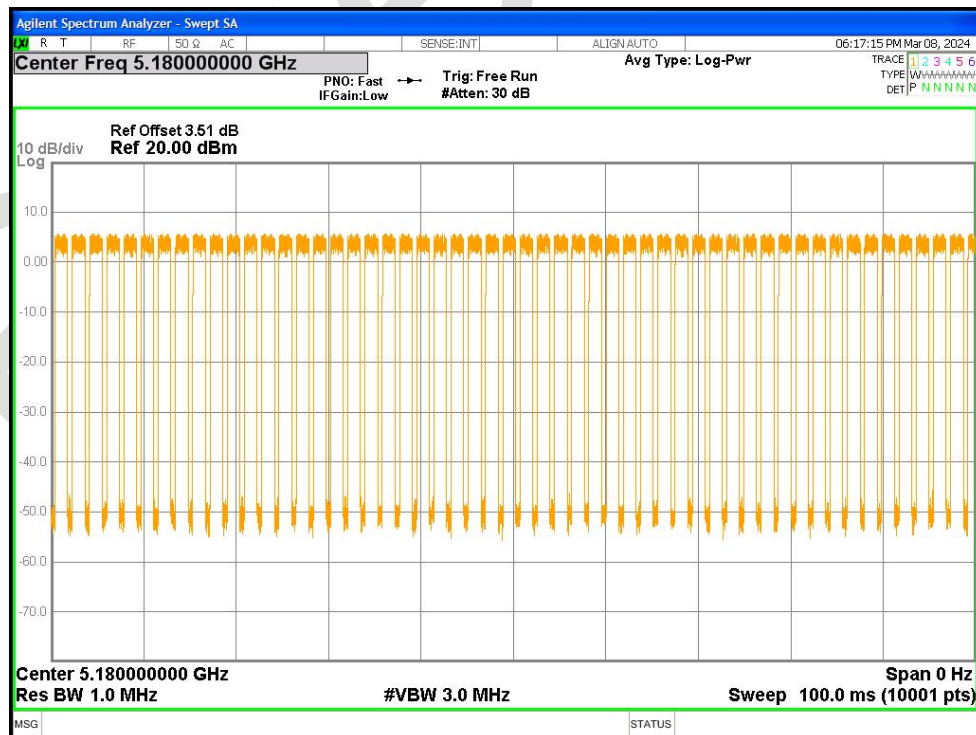
23 APPENDIX1

23.1 5.1G:

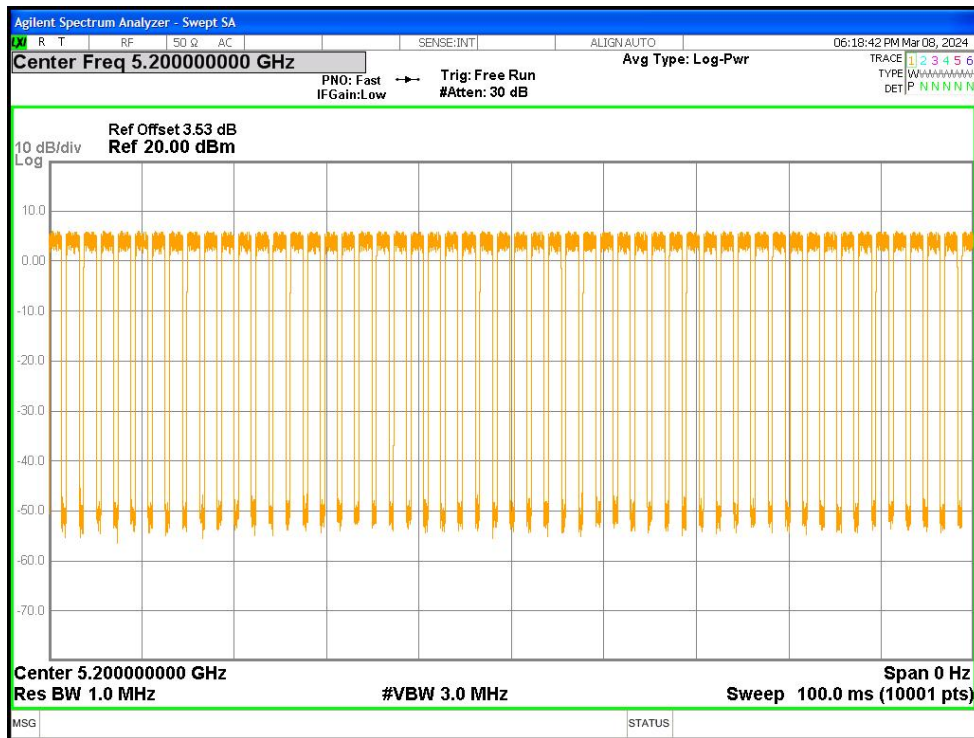
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	73.6	1.33
NVNT	a	5200	Ant1	74.03	1.31
NVNT	a	5240	Ant1	73.54	1.33
NVNT	a	5180	Ant2	74	1.31
NVNT	a	5200	Ant2	74.02	1.31
NVNT	a	5240	Ant2	73.91	1.31
NVNT	ac20	5180	Sum	72.17	1.42
NVNT	ac20	5200	Sum	72.56	1.39
NVNT	ac20	5240	Sum	72.56	1.39
NVNT	ac40	5190	Sum	56.88	2.45
NVNT	ac40	5230	Sum	56.88	2.45
NVNT	ac80	5210	Sum	40.03	3.98
NVNT	n20	5180	Sum	72.26	1.41
NVNT	n20	5200	Sum	72.56	1.39
NVNT	n20	5240	Sum	72.2	1.41
NVNT	n40	5190	Sum	56.71	2.46
NVNT	n40	5230	Sum	56.88	2.45

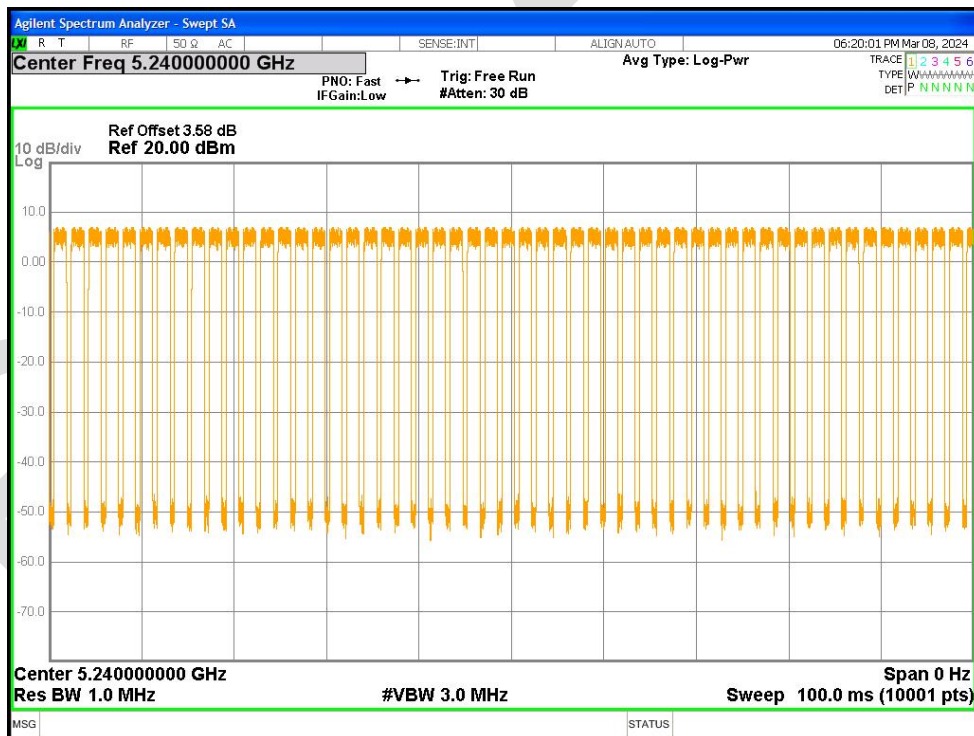
Duty Cycle NVNT a 5180MHz Ant1



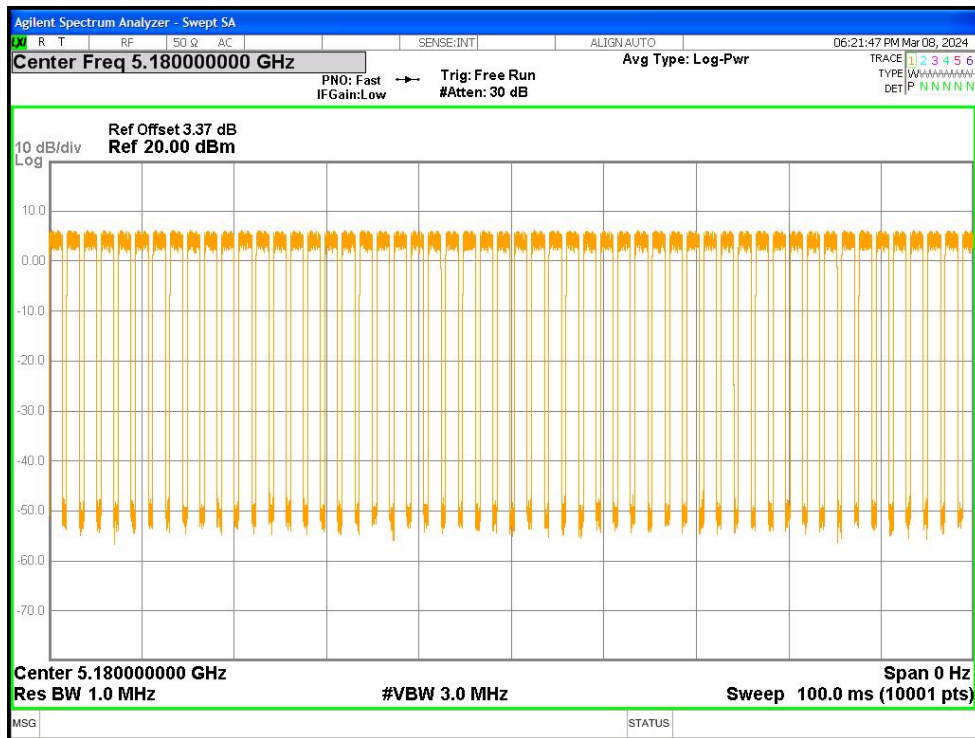
Duty Cycle NVNT a 5200MHz Ant1



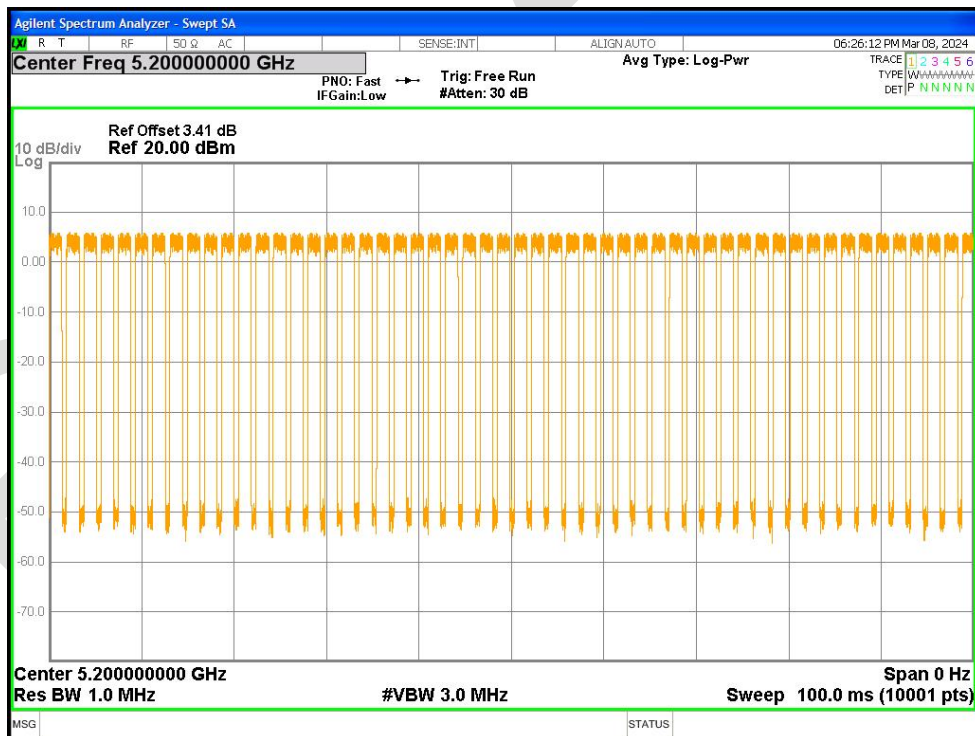
Duty Cycle NVNT a 5240MHz Ant1



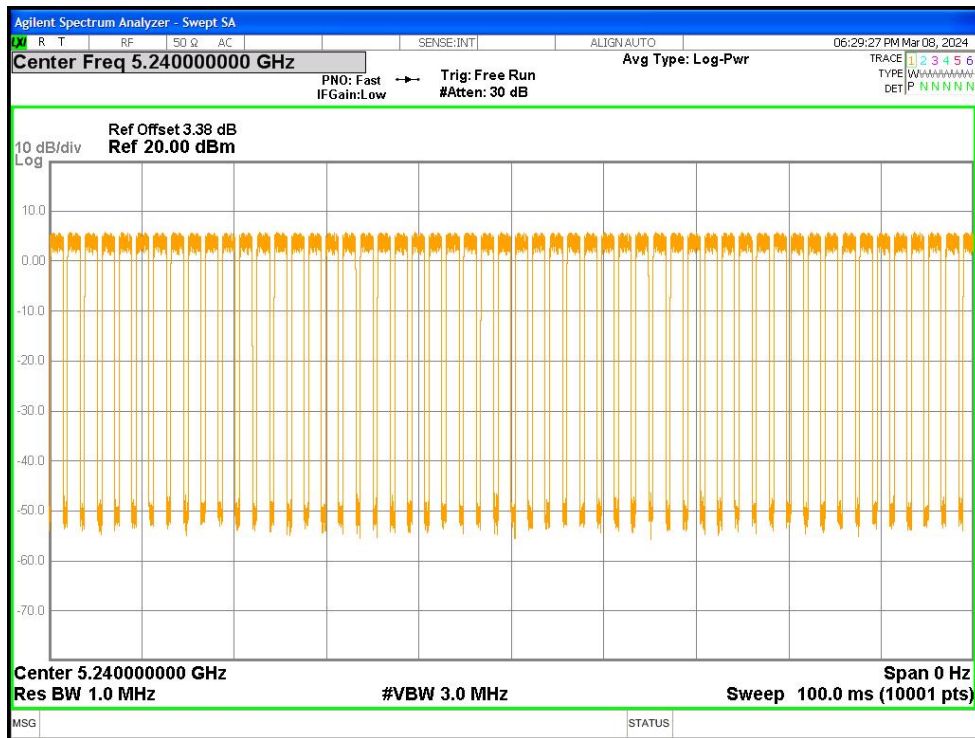
Duty Cycle NVNT a 5180MHz Ant2



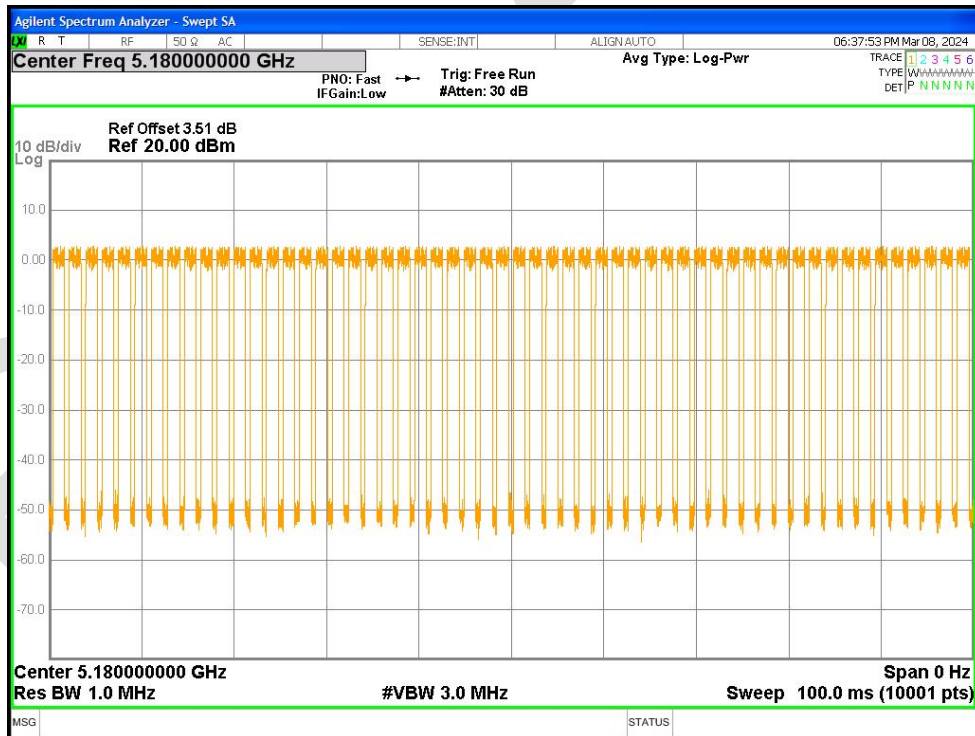
Duty Cycle NVNT a 5200MHz Ant2



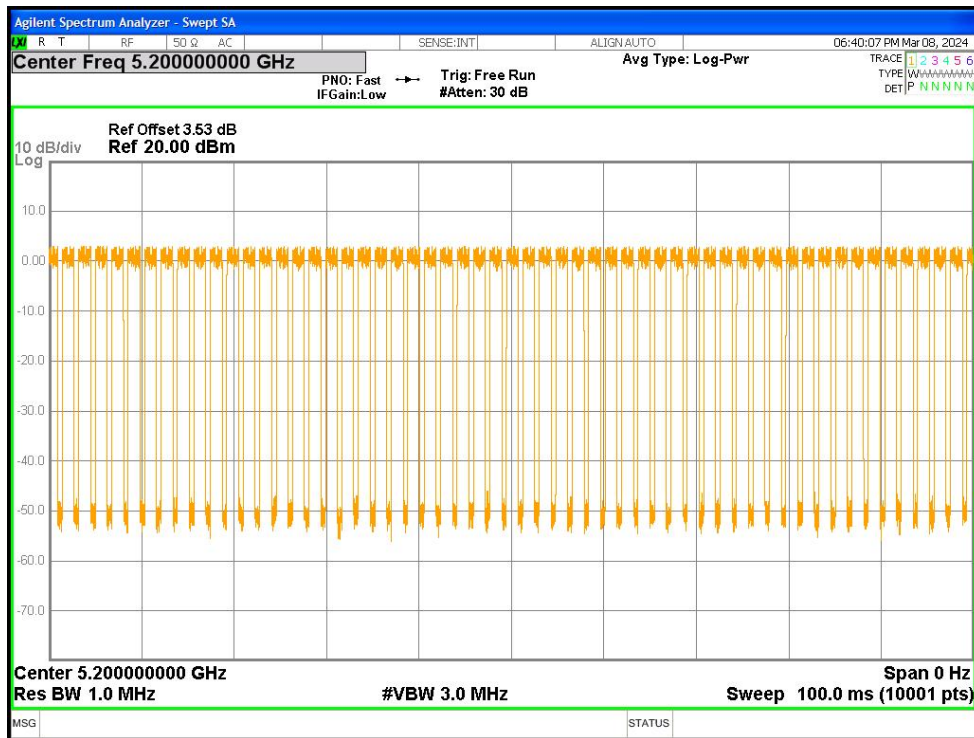
Duty Cycle NVNT a 5240MHz Ant2



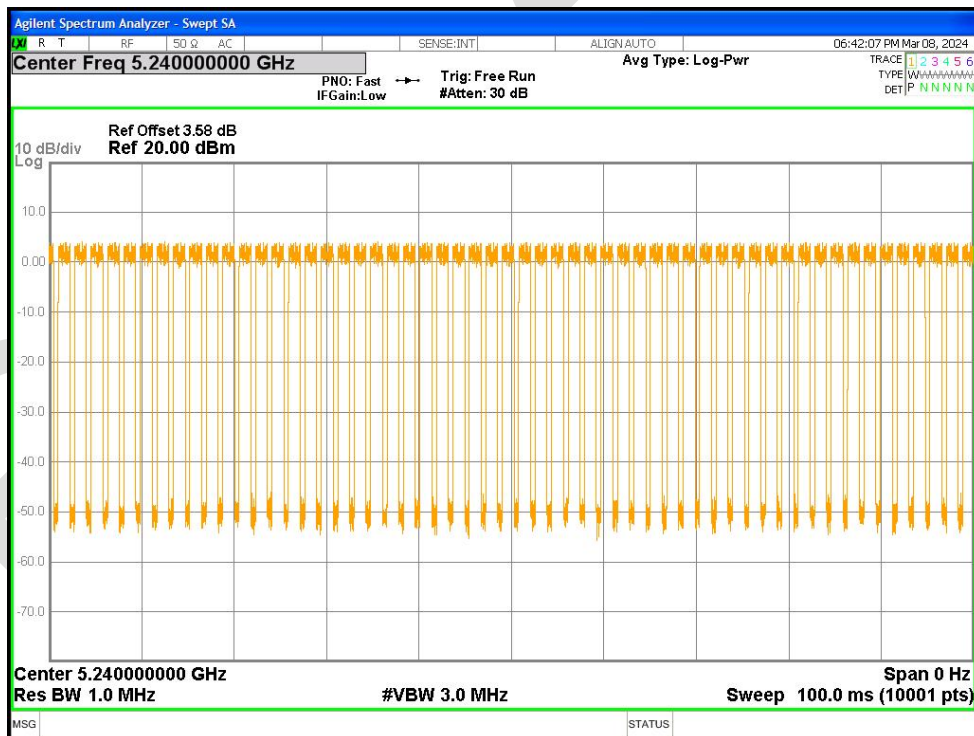
Duty Cycle NVNT ac20 5180MHz Sum



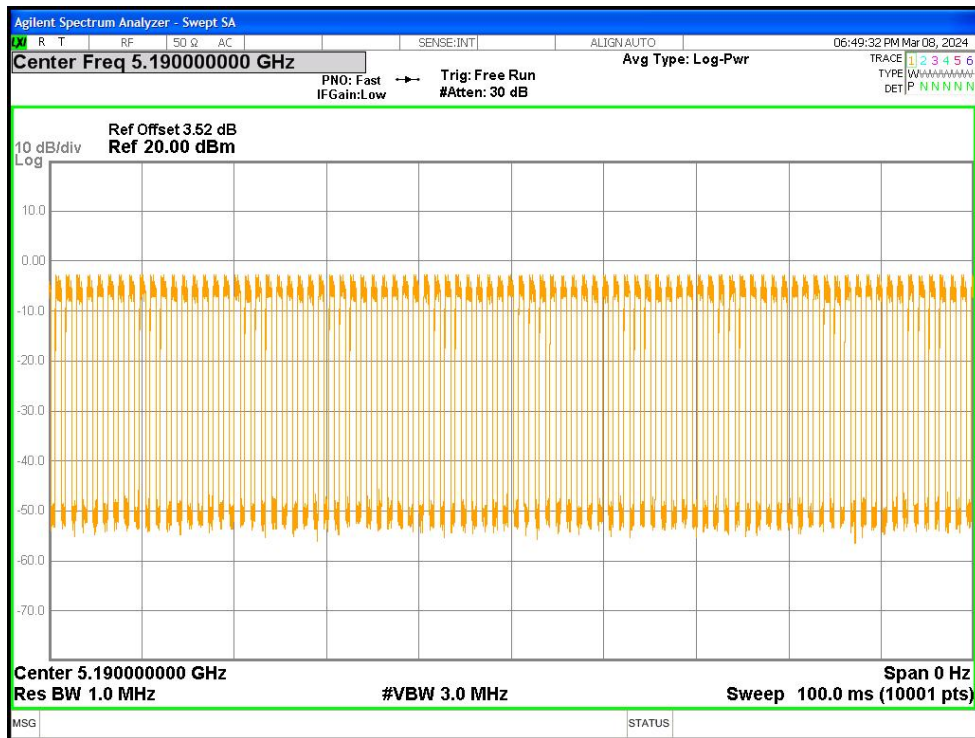
Duty Cycle NVNT ac20 5200MHz Sum



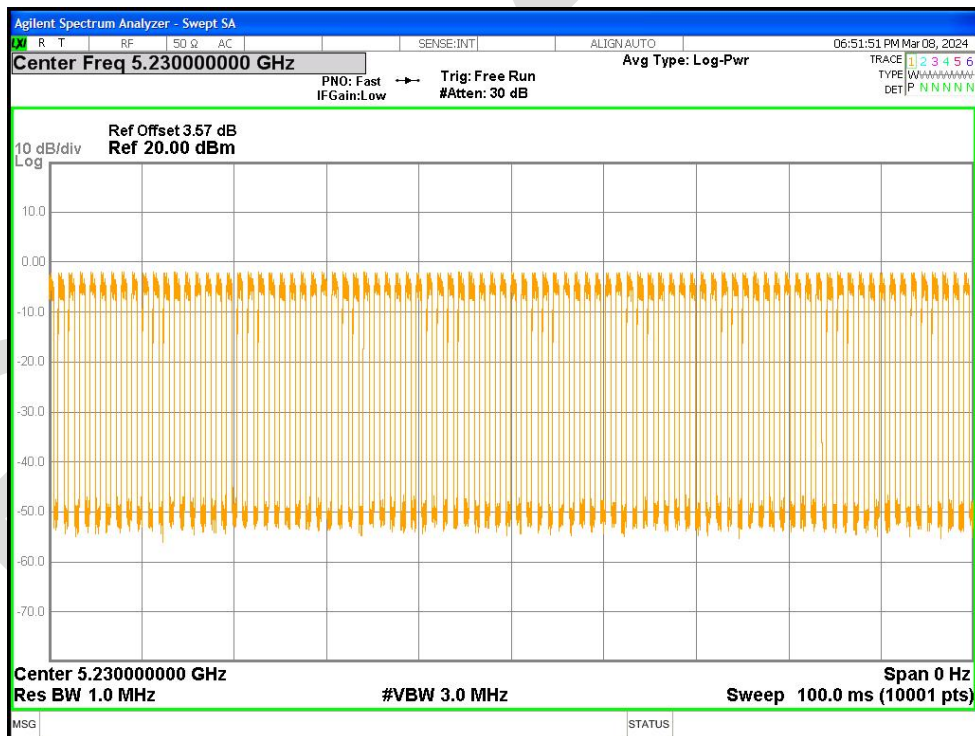
Duty Cycle NVNT ac20 5240MHz Sum



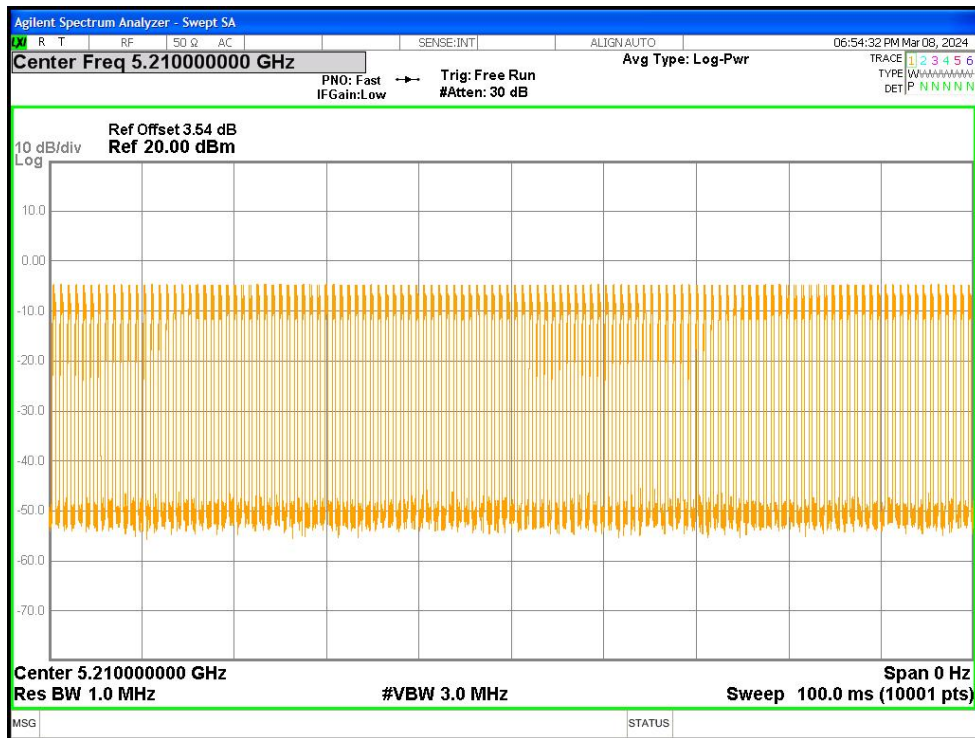
Duty Cycle NVNT ac40 5190MHz Sum



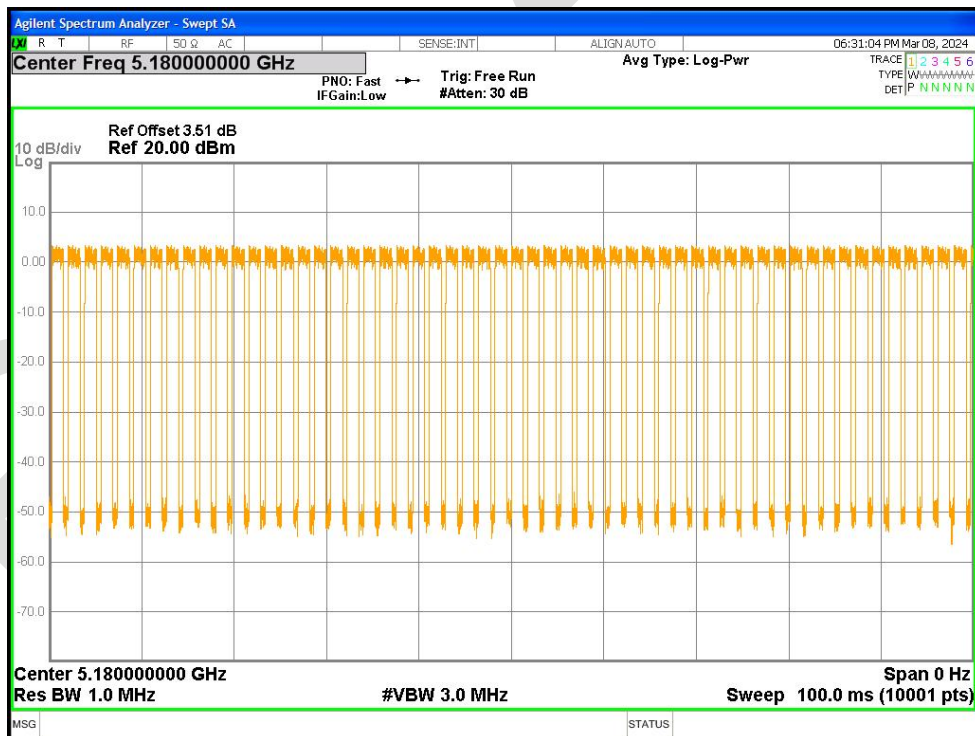
Duty Cycle NVNT ac40 5230MHz Sum



Duty Cycle NVNT ac80 5210MHz Sum



Duty Cycle NVNT n20 5180MHz Sum



Duty Cycle NVNT n20 5200MHz Sum