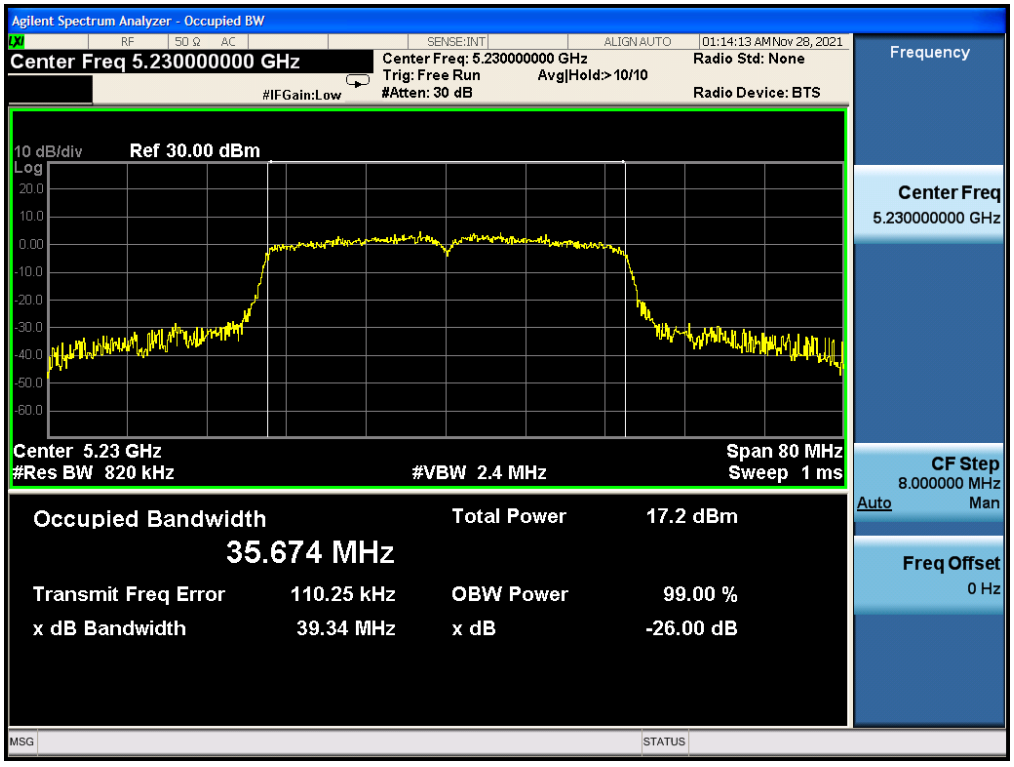
4.3.4 Test Data

Mode	CH.	Test Freq. (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
1	36	5180	19.16	17.427	5171.2865	Pass
	44	5220	19.35	17.400	N/A	Pass
	48	5240	19.40	17.458	5248.729	Pass
2	38	5190	39.35	35.701	5172.1495	Pass
	46	5230	39.34	35.674	5247.837	Pass
3	42	5210	81.25	74.098	5172.951/5247.049	Pass

Note 1 : The worst case of Emission Bandwidth as below:

Note 2: We have evaluated each operating mode and SISO/MIMO mode, SISO mode is worse ,shown in the report is the worst SISO data.

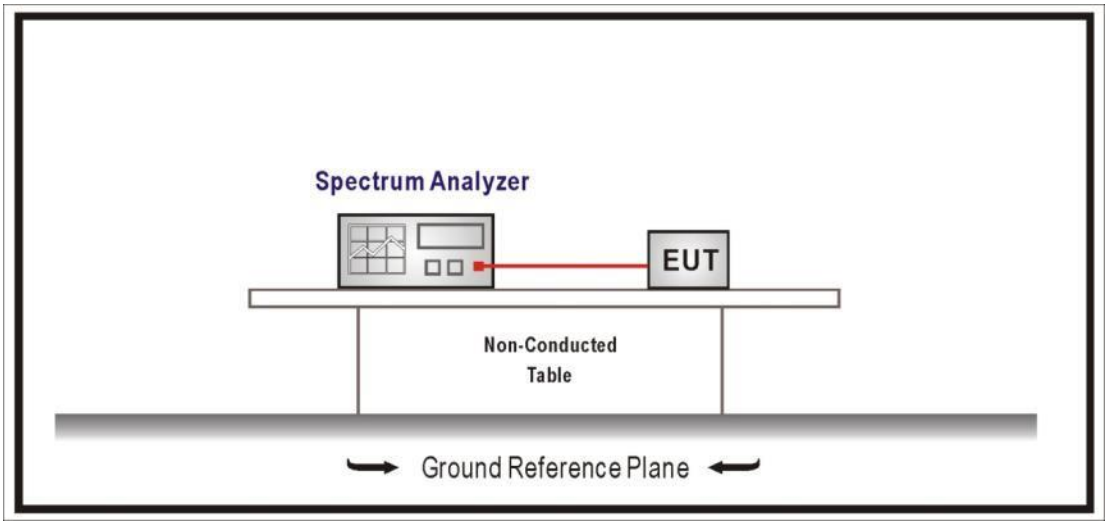
Mode 2 CH46(5230MHz)



4.4 6dB bandwidth	VERDICT: PASS

4.4.1 Limit	
Standard	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e)
6dB Bandwith ⩾500kHz	

4.4.2 Test Setup



4.4.3 Test Procedure

References Rule		Chapter	Description
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
	☐ FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
	☒ FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☐	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

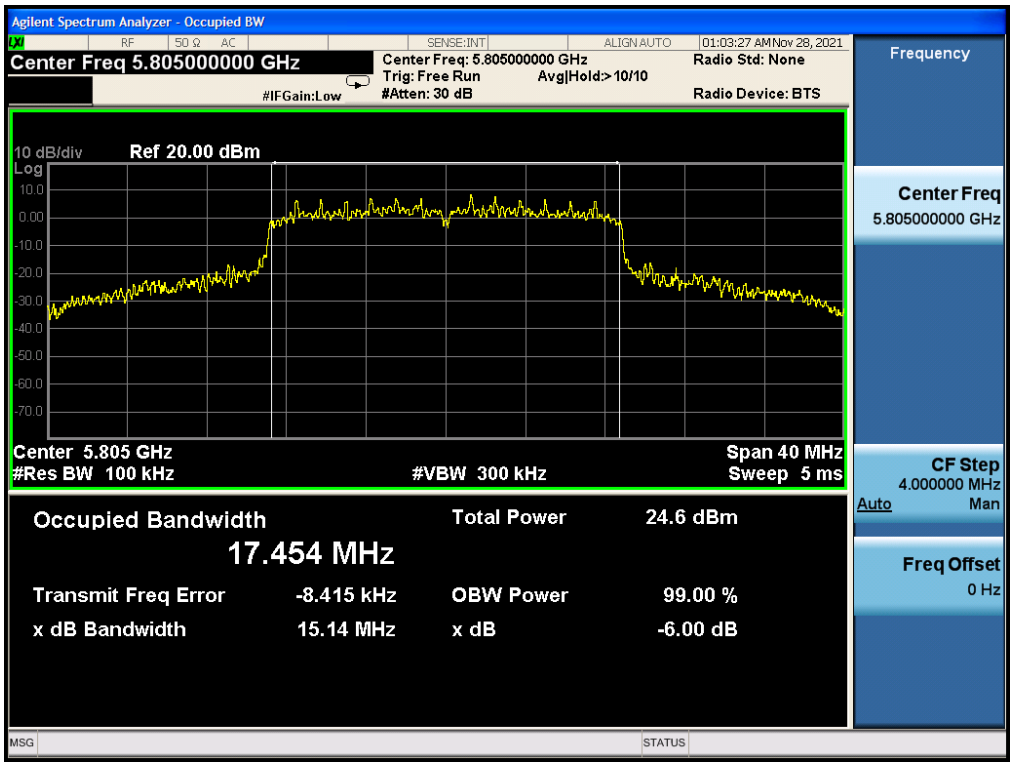
4.4.4 Test Data

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
1	149	5745	15.15	>500	Pass
	157	5785	15.17	>500	Pass
	161	5805	15.14	>500	Pass
2	151	5755	35.09	>500	Pass
	159	5795	35.09	>500	Pass
3	155	5775	71.41	>500	Pass

Note 1 : The worst case of Occupied Bandwidth as below:

Note 2: We have evaluated each operating mode and SISO/MIMO mode, SISO mode is worse ,shown in the report is the worst SISO data.

Mode 1 CH161(5805MHz)

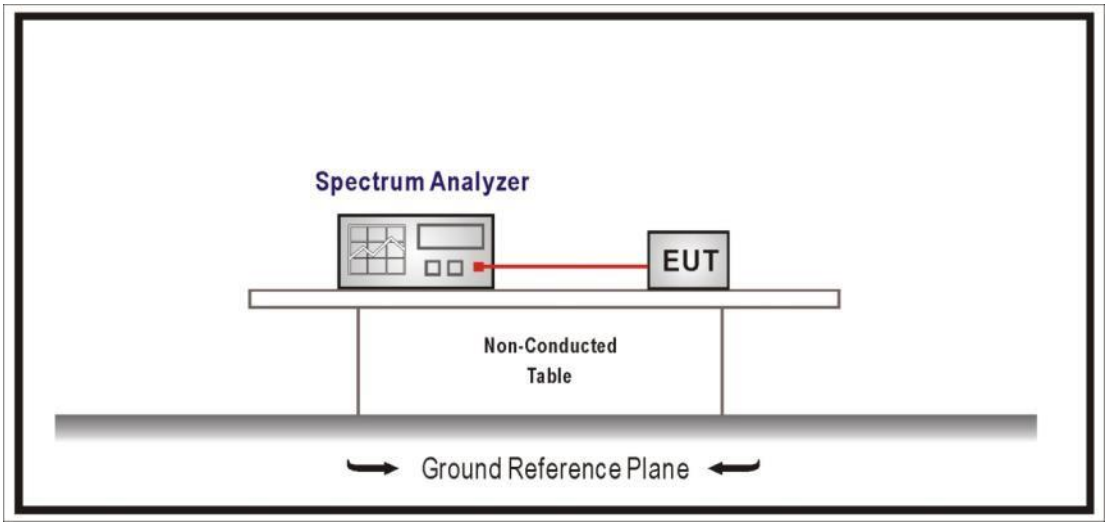


4.5 Duty cycle	VERDICT: PASS

4.5.1 Limit

N/A

4.5.2 Test Setup



4.5.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

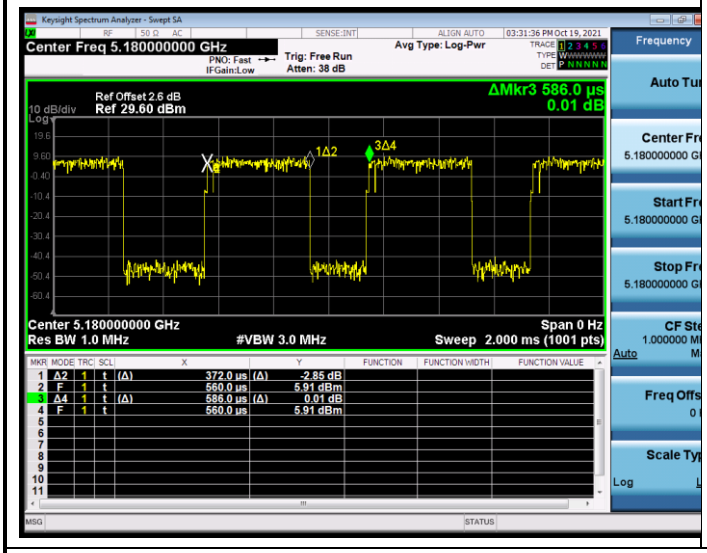
4.5.4 Test Data

Test Mode	Tx On (ms)	VBW (kHz)	Tx On + Tx Off (ms)	Duty Cycle
1	0.372	3	0.586	63.48%
2	0.204	5	0.448	45.54%
3	0.115	10	0.342	33.63%

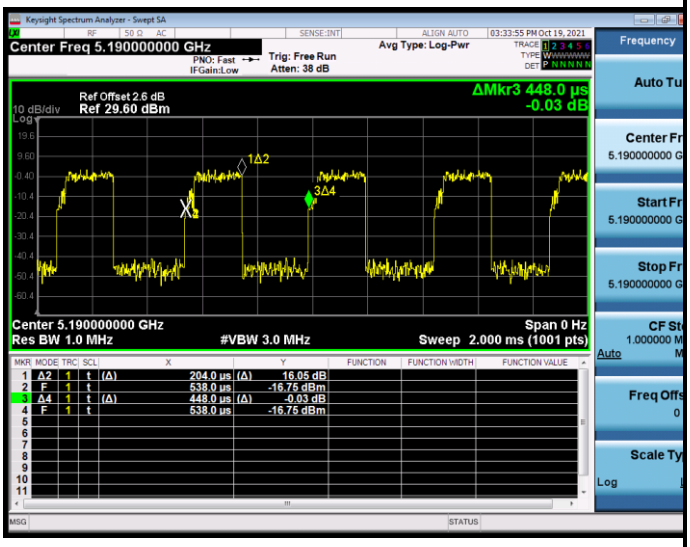
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033, when test for Radiated Emission Band Edge and Radiated Emission, for average detector set: VBW ⩾ 1/T will be used.

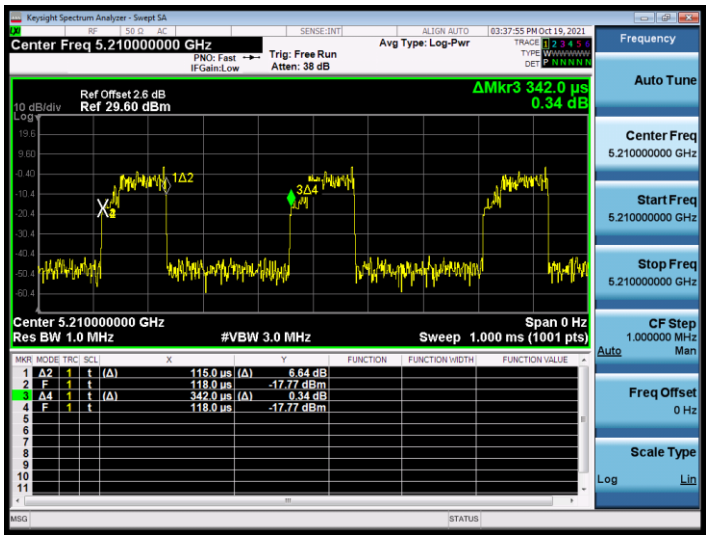
Mode 1



Mode 2



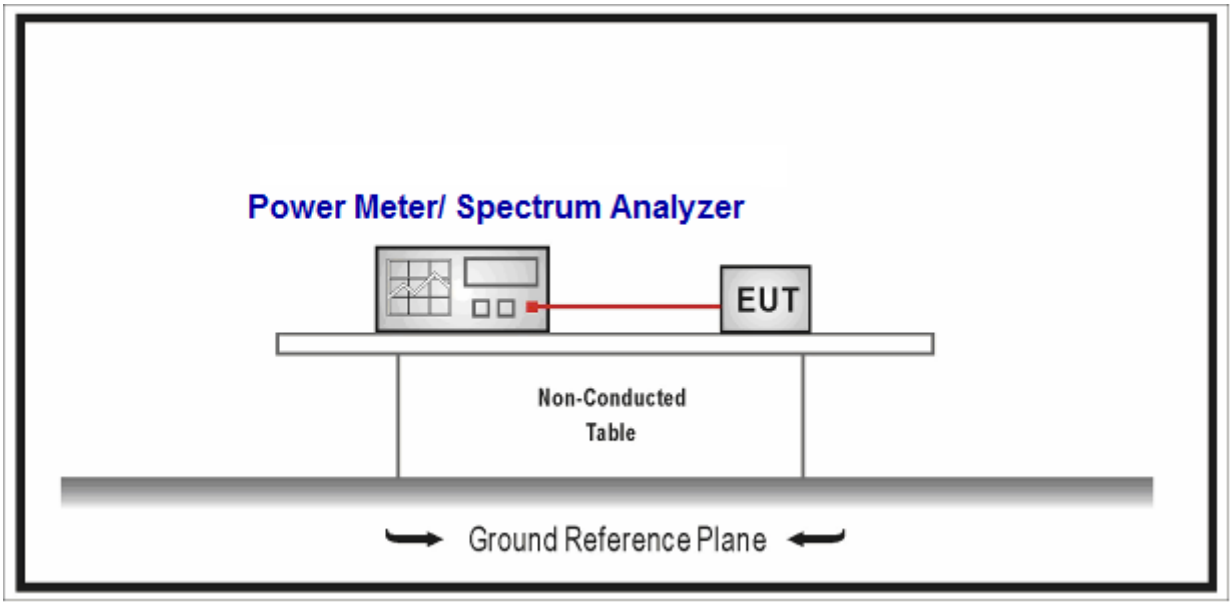
Mode 3



4.6 Power Output	VERDICT: PASS

4.6.1 Limit		
Standard		FCC CFR Title 47 Part 15 Subpart C&E
☒	For the band 5.15-5.25 GHz	
	☐	Outdoor access point: the maximum conducted output power shall not exceed 1 W. If G_{TX}＞6dBi, then Pout≤30 - (G_{TX} - 6) and ≤125mW at any angle above 30 degrees
	☒	Indoor access point: the maximum conducted output power shall not exceed 1 W. If G_{TX}＞6dBi, then Pout≤30 - (G_{TX} - 6)
	☐	Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If G_{TX}＞23dBi, then Pout≤30 - (G_{TX} - 23)
	☐	Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If G_{TX}＞6dBi, then Pout≤24 - (G_{TX} - 6)
☐	For the band 5.25-5.35 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm+10 Log B, where B is the 26dB emission bandwidth in MHz. If G_{TX} ＞ 6dBi, then Pout ≤ (The lesser of 24 or 11dBm+10 Log B) - (GTX - 6)
☐	For the 5.47-5.725 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm+10 Log B, where B is the 26dB emission bandwidth in MHz. If G_{TX}＞6dBi, then Pout ≤ (The lesser of 24 or 11dBm+10 Log B) - (G_{TX} - 6)
☒	For the band 5.725-5.85 GHz:	
	☒	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	☐	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W
Note 1 : GTX directional gain of transmitting antennas. Note 2 : Pout is maximum conducted output power .		

4.6.2 Test Setup



4.6.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		12.3	Maximum conducted output power
	☒ ANSI C63.10		12.3.2	Maximum conducted output power measurement using a spectrum analyzer (SA) or EMI receiver
		☐ ANSI C63.10	12.3.2.2	Method SA-1
		☐ ANSI C63.10	12.3.2.3	Method SA-1A (alternative)
		☒ ANSI C63.10	12.3.2.4	Method SA-2
		☐ ANSI C63.10	12.3.2.5	Method SA-2A (alternative)
		☐ ANSI C63.10	12.3.2.6	Method SA-3
		☐ ANSI C63.10	12.3.2.7	Method SA-3A (alternative)
	☒ ANSI C63.10		12.3.3	Maximum conducted output power using a power meter
		☐ ANSI C63.10	12.3.3.1	Method PM
		☒ ANSI C63.10	12.3.3.2	Method PM-G

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☒	KDB 662911		F2)e)	Spatial stream
	☒	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☒	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

4.6.4 Test Data

SISO(Ant 2)

Mode	Channel	Test Frequency (MHz)	Power Output (dBm)	Limit (dBm)	Result
1	36	5180	16.79	≤24	Pass
	44	5220	17.66	≤24	Pass
	48	5240	17.72	≤24	Pass
	149	5745	17.61	≤30	Pass
	157	5785	17.81	≤30	Pass
	161	5805	17.75	≤30	Pass
2	38	5190	15.73	≤24	Pass
	46	5230	17.79	≤24	Pass
	151	5755	17.88	≤30	Pass
	159	5795	17.71	≤30	Pass
3	42	5210	14.78	≤24	Pass
	155	5775	17.62	≤30	Pass

MIMO (Ant 1+2)

Mode	Channel	Test Frequency (MHz)	Power Output (dBm)	Limit (dBm)	Result
1	36	5180	16.73	≤24	Pass
	44	5220	20.77	≤24	Pass
	48	5240	20.72	≤24	Pass
	149	5745	20.68	≤30	Pass
	157	5785	20.79	≤30	Pass
	161	5805	20.73	≤30	Pass
2	38	5190	15.70	≤24	Pass
	46	5230	20.65	≤24	Pass
	151	5755	20.62	≤30	Pass
	159	5795	20.63	≤30	Pass
3	42	5210	14.67	≤24	Pass
	155	5775	20.74	≤30	Pass

Power setting parameter			
Test Mode	Frequency(MHz)	Power Setting	
		SISO(Ant2)	MIMO(Ant1+2)
Mode 1	5180	17.00	17.00
	5220	18.00	21.00
	5240	18.00	21.00
	5745	18.00	21.00
	5785	18.00	21.00
	5805	18.00	21.00
Mode 2	5190	16.00	16.00
	5230	18.00	21.00
	5755	18.00	21.00
	5795	18.00	21.00
Mode 3	5210	15.00	15.00
	5775	18.00	21.00

4.7 Maximum Power Spectral Density	VERDICT: PASS

4.7.1 Limit:

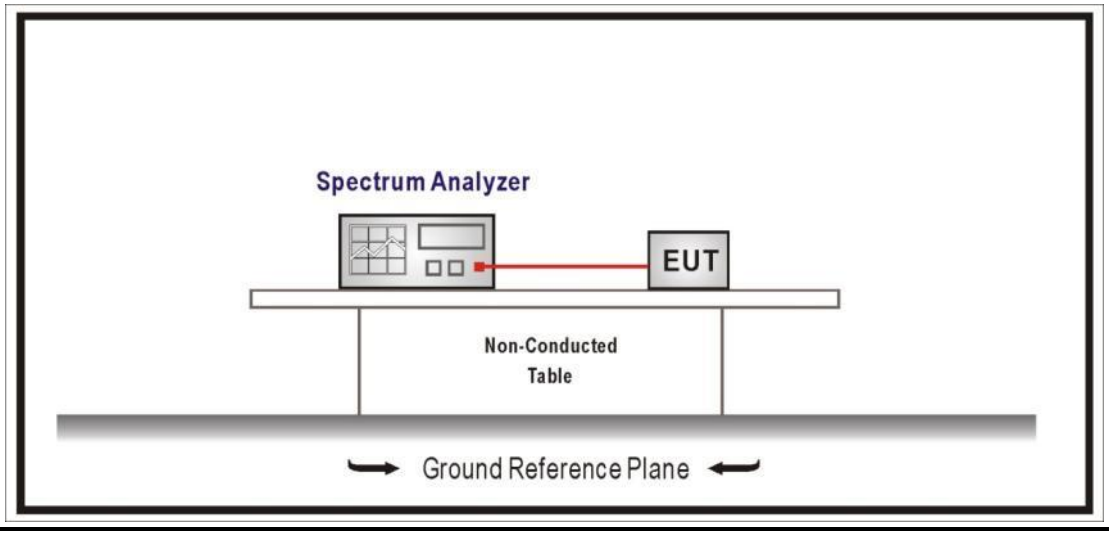
Standard	FCC CFR Title 47 Part 15 Subpart C&E

Fundamental emission output power Limit

☒		For the band 5.15-5.25 GHz
	☐	Outdoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If G_{TX}>6dBi, then Pout≤17 - (G_{TX} - 6)
	☐	Indoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If G_{TX}>6dBi, then Pout≤17 - (G_{TX} - 6)
	☐	Fixed point-to-point access points: the maximum power spectral density shall not exceed 17 dBm/MHz. If G_{TX}>23dBi, then Pout≤17 - (G_{TX} - 23)
	☒	Mobile and portable client devices: the maximum power spectral density shall not exceed 11 dBm/MHz. If G_{TX}>6dBi, then Pout≤11 - (G_{TX} - 6)
☐		For the 5.25-5.35 GHz:
	☐	The maximum power spectral density shall not exceed 11 dBm/MHz. If G_{TX}>6dBi, then Pout≤11 - (G_{TX} - 6)
☐		For the 5.47-5.725 GHz:
	☐	The maximum power spectral density shall not exceed 11 dBm/MHz.If G_{TX}>6dBi, then Pout≤11 - (G_{TX} - 6)
☒		For the band 5.725-5.85 GHz:
	☒	The maximum power spectral density shall not exceed 30 dBm/500KHz. If G_{TX}>6dBi, then Pout≤30 - (G_{TX} - 6)

Note 1: GTX directional gain of transmitting antennas.
Note 2: Pout is maximum power spectral density.

4.7.2 Test Setup



4.7.3 Test Procedure			
	References Rule	Chapter	Description
☒	ANSI C63.10	12.5	Peak power spectral density
☒	FCC KDB 789033 D02v02r01	F	Maximum Power Spectral Density (PSD)

4.7.4 Directional Gain Calculations for In-Band test method			
	References Rule	Chapter	Description
☐	KDB 662911	F2)a)	Basic methodology
	☐ KDB 662911	F2)a) (i)	transmit signals are correlated
	☐ KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911	F2)b)	Sectorized antenna systems.
☐	KDB 662911	F2)c)	Cross-polarized antennas
	☐ ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐ ANSI C63.10	F2)c) (ii)	Multiple antennas
☒	KDB 662911	F2)e)	Spatial stream
	☒ KDB 662911	F2)e) (i)	Antennas have the same gain
	☐ KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐ KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911	F2)f)	Cyclic Delay Diversity (CDD)
	☒ KDB 662911	F2)f) (i)	Antennas have the same gain
	☐ KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐ KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

4.7.5 Test Data

SISO(Ant 2)

Mode	Channel	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty facto	Total Measurement PSD (dBm/MHz)	Limit (dBm/MHz)	Result
1	36	5180	3.558	1.97	5.528	≤11	Pass
	44	5220	4.410	1.97	6.380	≤11	Pass
	48	5240	3.955	1.97	5.925	≤11	Pass
	Channe	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/500KHz)	Duty factor	Total Measurement PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
	149	5745	2.275	1.97	4.245	≤30	Pass
	157	5785	2.054	1.97	4.024	≤30	Pass
	165	5825	4.346	1.97	6.316	≤30	Pass
Mode	Channel	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty facto	Total Measurement PSD (dBm/MHz)	Limit (dBm/MHz)	Result
2	38	5190	-0.729	3.42	2.691	≤11	Pass
	46	5230	0.099	3.42	3.519	≤11	Pass
	Channe	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/500KHz)	Duty factor	Total Measurement PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
	151	5755	-1.071	3.42	2.349	≤30	Pass
	159	5795	-1.495	3.42	1.925	≤30	Pass
Mode	Channel	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty facto	Total Measurement PSD (dBm/MHz)	Limit (dBm/MHz)	Result
3	42	5210	-6.188	4.73	-1.458	≤11	Pass
	Channe	Test	Measurement	Duty	Total Measurement PSD	Limit	

		Frequency (MHz)	Power Spectral Density (dBm/500KHz)	factor	(dBm/500KHz)	(dBm/500KHz)	Result
	155	5775	-6.027	4.73	-1.297	≤30	Pass
MIMO(Ant 1+2)							
Mode	Channel	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty facto	Total Measurement PSD (dBm/MHz)	Limit (dBm/MHz)	Result
1	36	5180	-1.147	1.97	3.833	≤11	Pass
	44	5220	-1.469	1.97	3.511	≤11	Pass
	48	5240	-0.905	1.97	4.075	≤11	Pass
	Channe	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/500KHz)	Duty factor	Total Measurement PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
	149	5745	1.214	1.97	6.194	≤30	Pass
	157	5785	0.928	1.97	5.908	≤30	Pass
	165	5825	1.632	1.97	6.612	≤30	Pass
Mode	Channel	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty facto	Total Measurement PSD (dBm/MHz)	Limit (dBm/MHz)	Result
2	38	5190	-5.250	3.42	1.180	≤11	Pass
	46	5230	-4.612	3.42	1.818	≤11	Pass
	Channe	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/500KHz)	Duty factor	Total Measurement PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
	151	5755	-2.513	3.42	3.917	≤30	Pass
	159	5795	-2.003	3.42	4.427	≤30	Pass
Mode	Channel	Test Frequency	Measurement Power	Duty facto	Total Measurement PSD (dBm/MHz)	Limit (dBm/MHz)	Result

		(MHz)	Spectral Density (dBm/MHz)				
3	42	5210	-9.716	4.73	-1.976	⩽11	Pass
	Channe	Test Frequency (MHz)	Measurement Power Spectral Density (dBm/500KHz)	Duty factor	Total Measurement PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
	155	5775	-8.152	4.73	-0.412	⩽30	Pass

4.8 Radiated Emission Band Edge — VERDICT: PASS

4.8.1 Limit

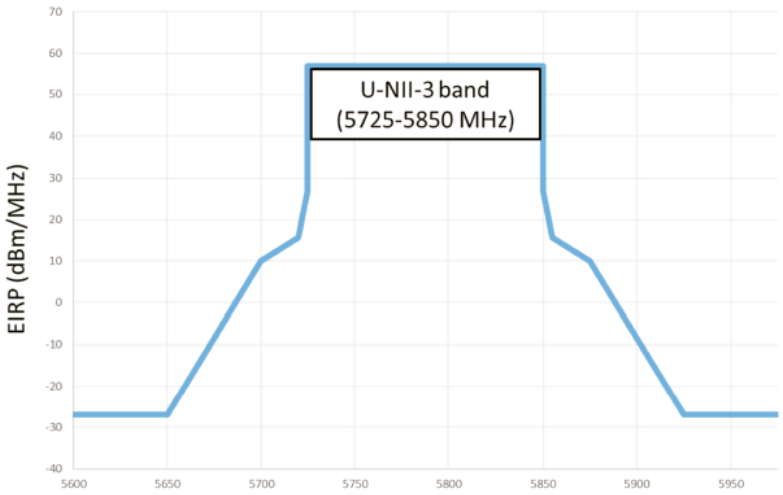
Standard	**FCC Part 15 Subpart C Paragraph 15.205** (Restricted Band)		
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 –16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975–12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675–12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)			
Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above 960	500	54	3(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

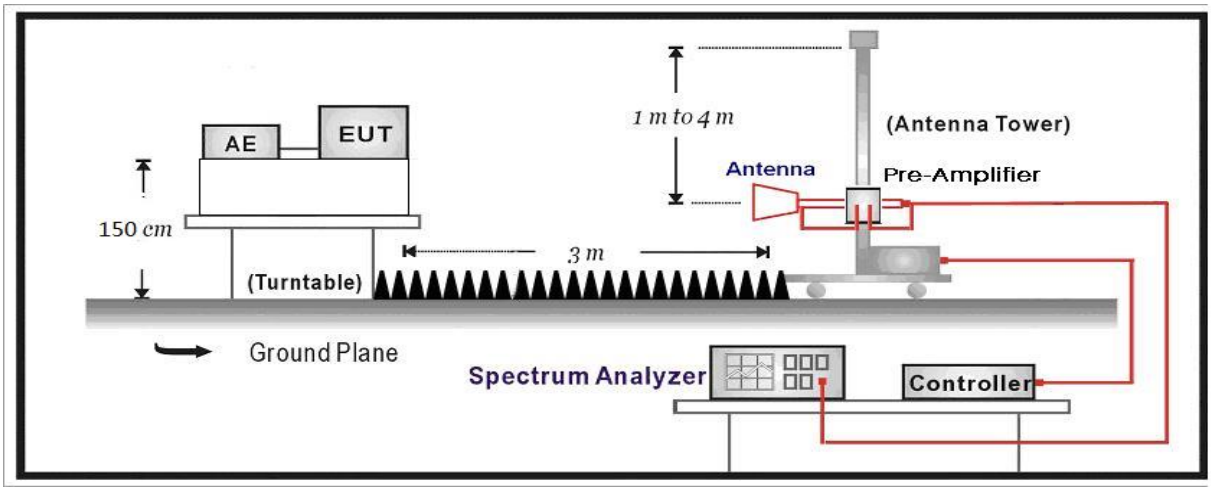
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other

than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

Standard	FCC Part 15 Subpart C Paragraph 15.247(d) , 15.209
Operating Frequency Band	EIRP Limit
5725 - 5850	

4.8.2 Test Setup

Above 1GHz Test Setup:



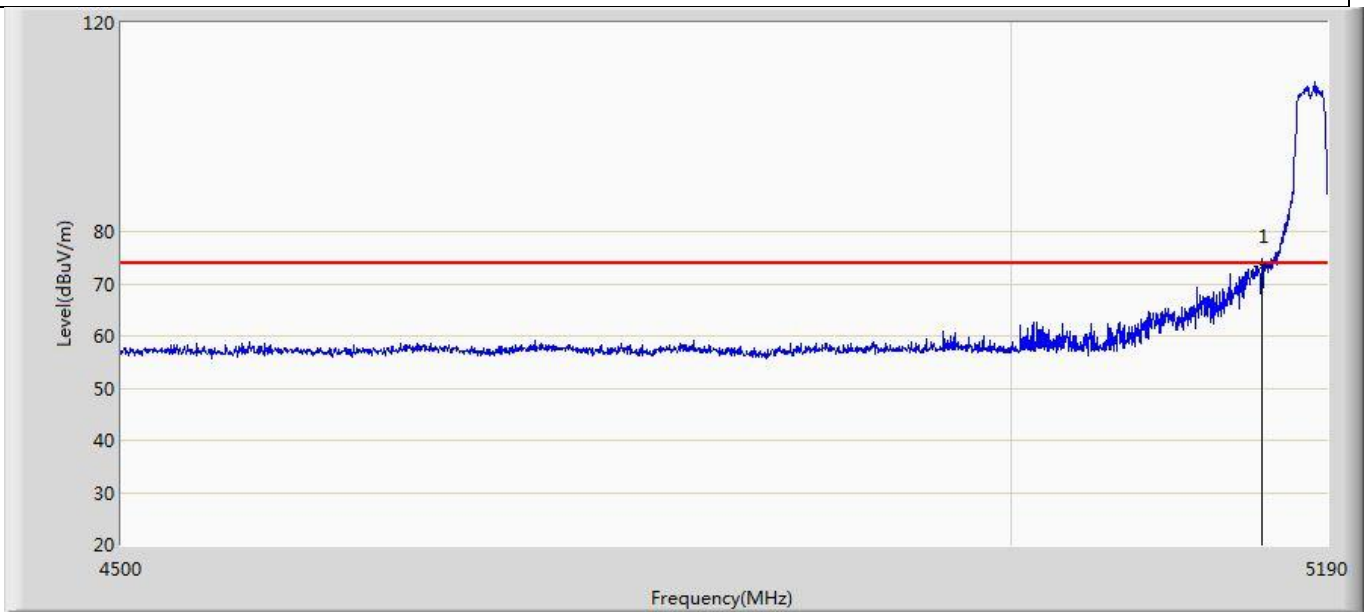
4.8.3 Test Procedure

	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
	☐ ANSI C63.10	12.7.5	Radiated emission measurements
	☒ ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒ ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐ ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒ ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☐ ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☐ ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☐ ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v02r01	G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v02r01	G.1	Unwanted Emissions in the Restricted Bands
	☐ FCC KDB 789033 D02v02r01	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐ FCC KDB 789033 D02v02r01	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐ FCC KDB 789033 D02v02r01	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	☐ FCC KDB 789033 D02v02r01	G.6.c	Method AD (Average detection)—primary method
	☐ FCC KDB 789033 D02v02r01	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.8.4 Test Data

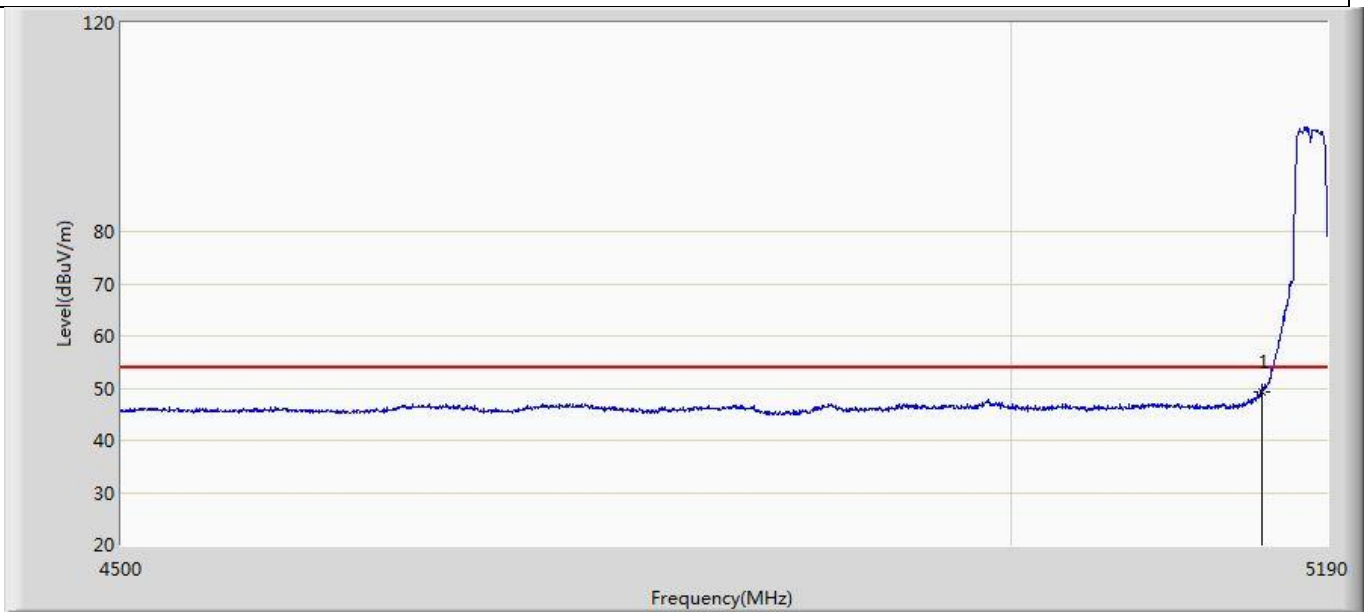
LPS5G-Antenna :SISO-Ant2

Profile: 2180545R	Page No.: 1
Engineer: Nile	
Site: AC5	Time: 2021/12/02 - 20:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20	



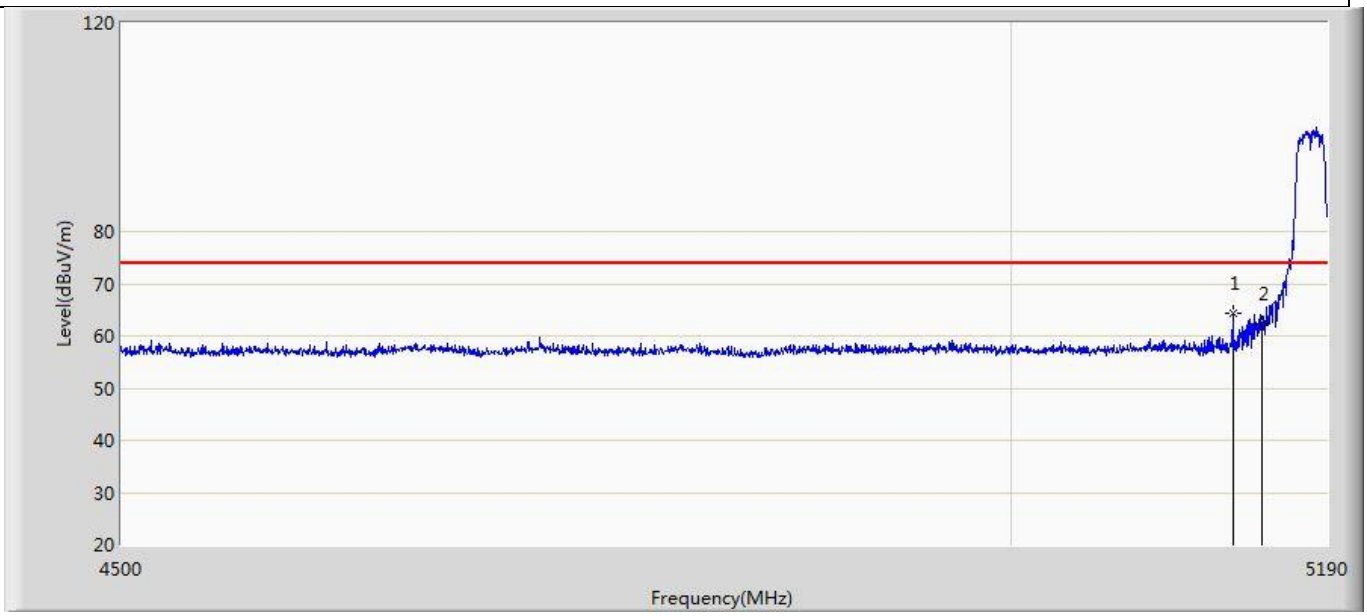
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	73.200	31.992	-0.800	74.000	41.208	PK

Profile: 2180545R	Page No.: 2
Engineer: Nile	
Site: AC5	Time: 2021/11/16 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20	



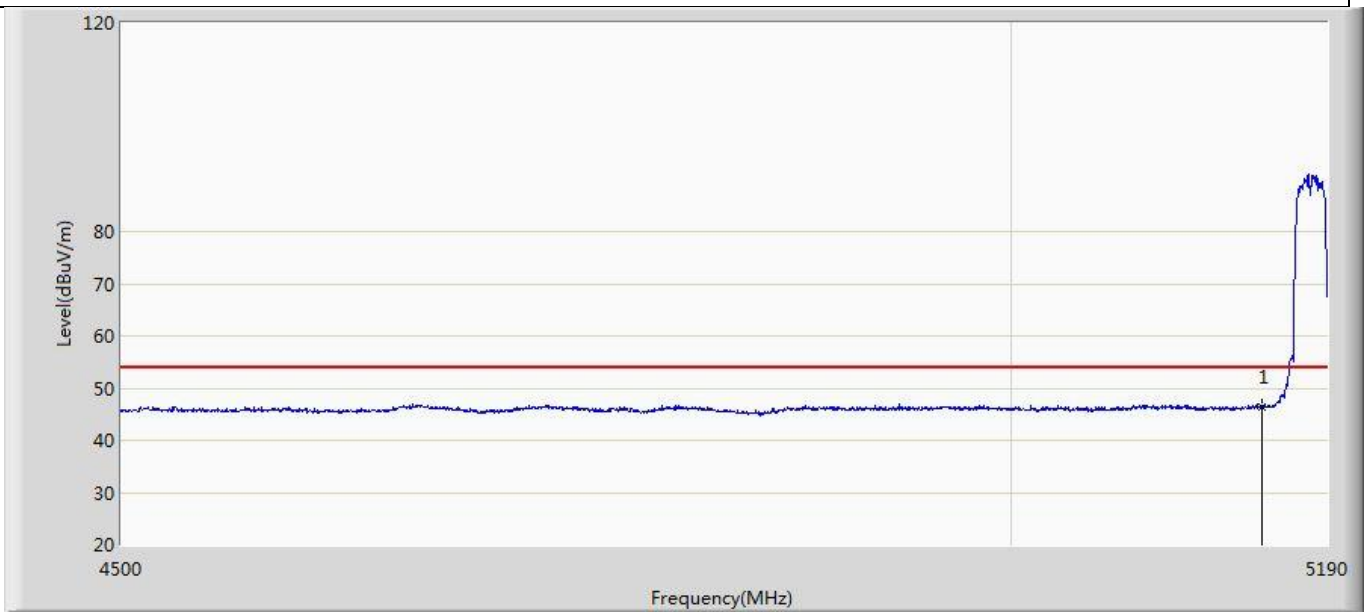
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	49.210	8.002	-4.790	54.000	41.208	AV

Profile: 2180545R	Page No.: 3
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20	



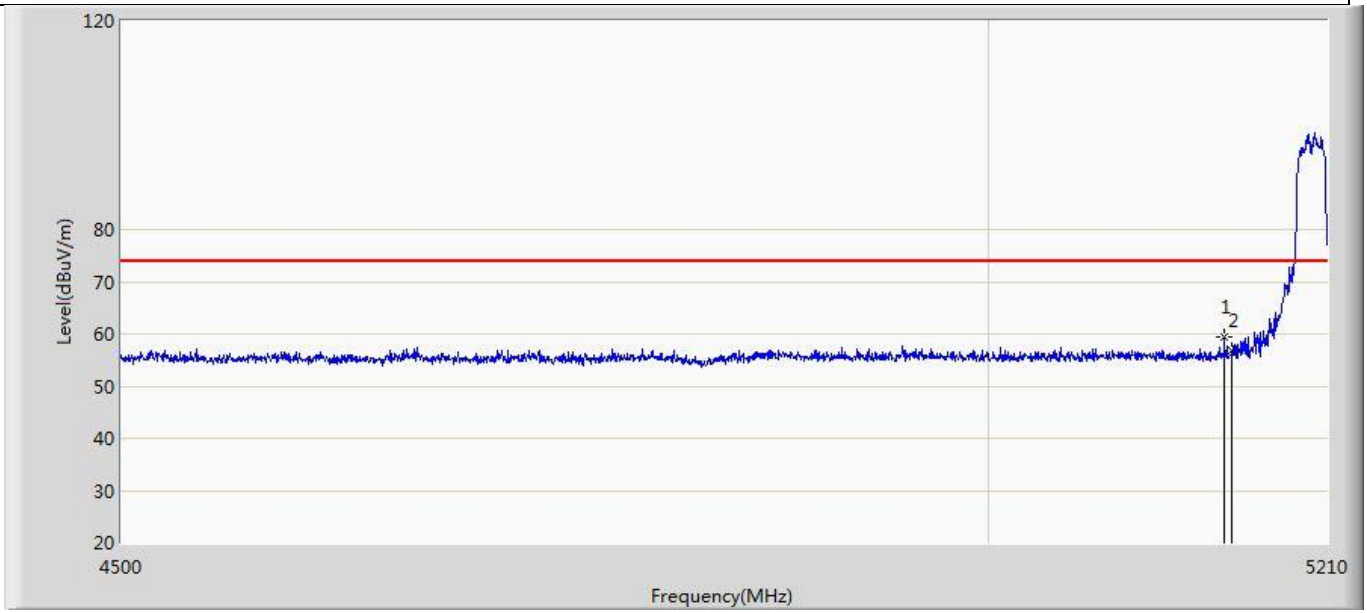
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5132.385	64.410	23.514	-9.590	74.000	40.896	PK
2		5150.000	62.441	21.233	-11.559	74.000	41.208	PK

Profile: 2180545R	Page No.: 4
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20	



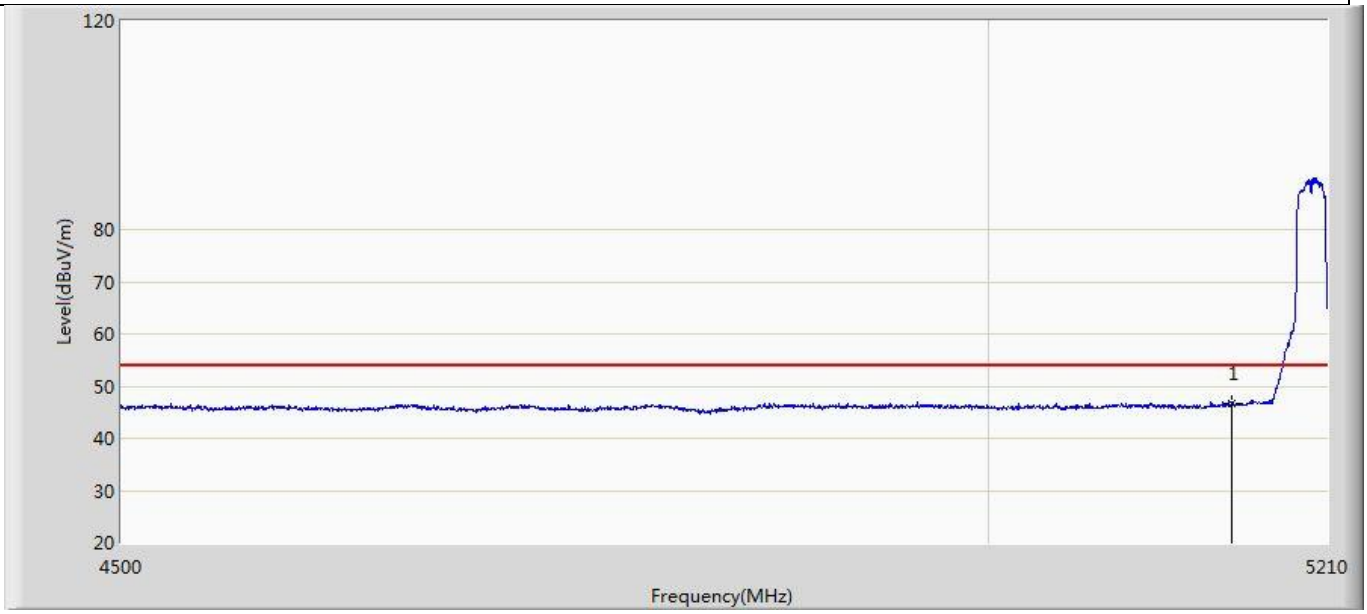
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.363	5.155	-7.637	54.000	41.208	AV

Profile: 2180545R	Page No.: 5
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20	



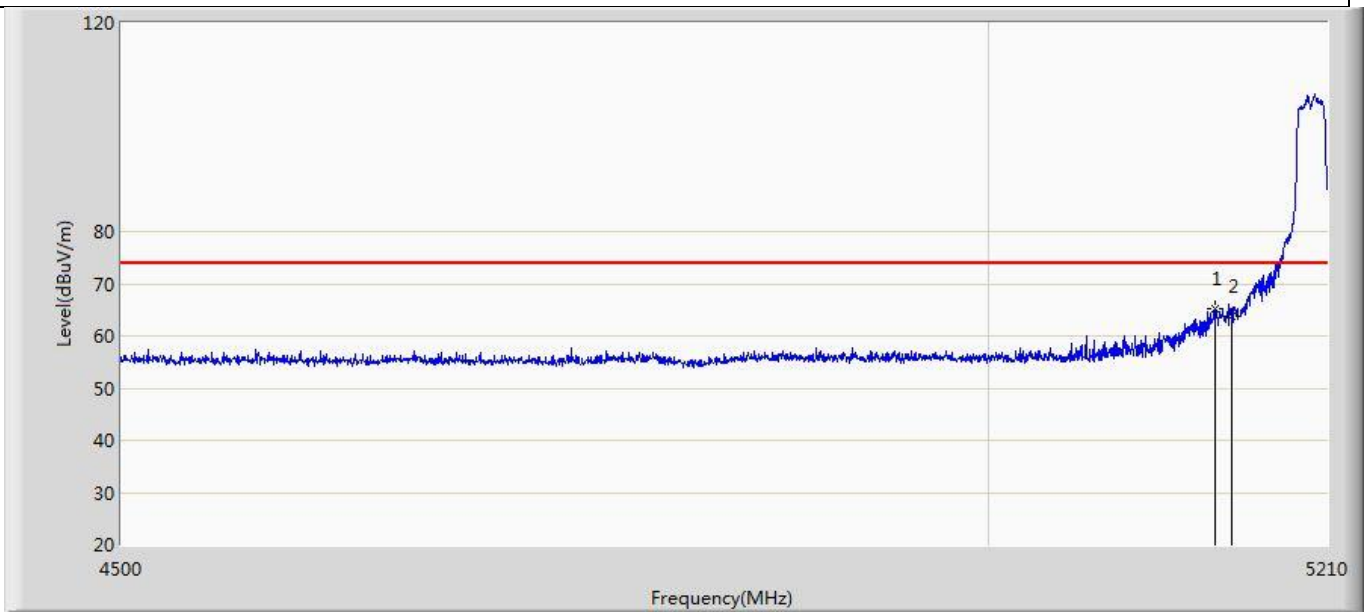
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5145.390	59.427	18.315	-14.573	74.000	41.112	PK
2		5150.000	56.729	15.521	-17.271	74.000	41.208	PK

Profile: 2180545R	Page No.: 6
Engineer: Nile	
Site: AC5	Time: 2021/11/16 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20	



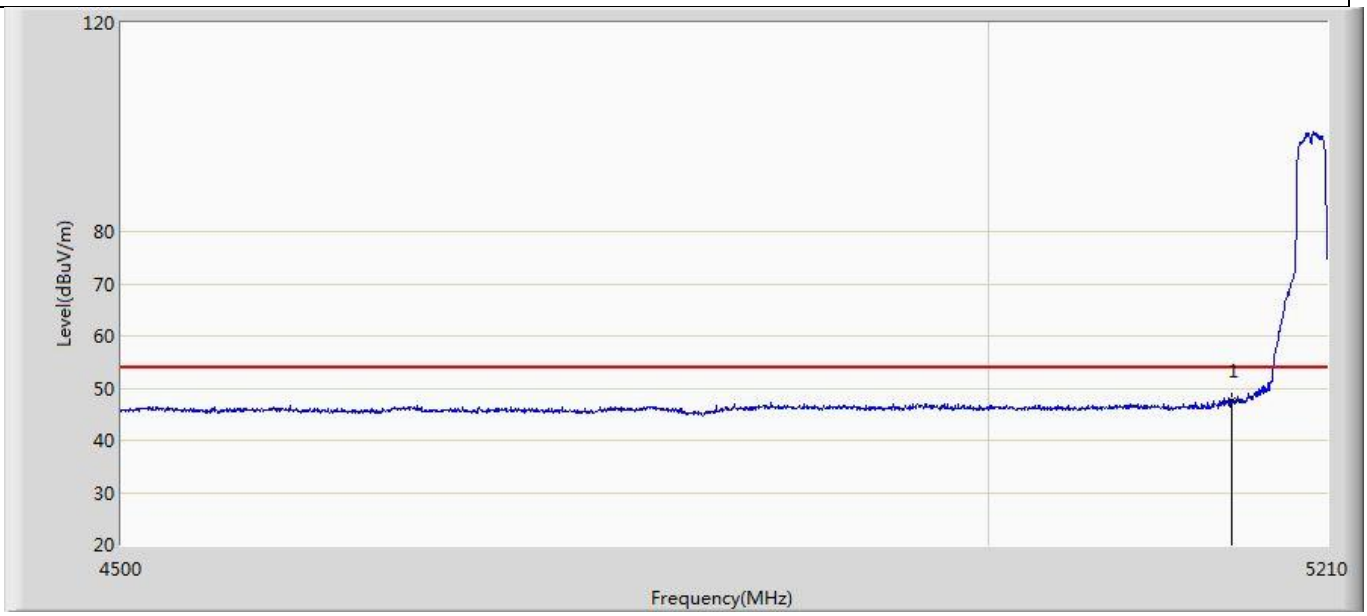
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.564	5.356	-7.436	54.000	41.208	AV

Profile: 2180545R	Page No.: 7
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20	



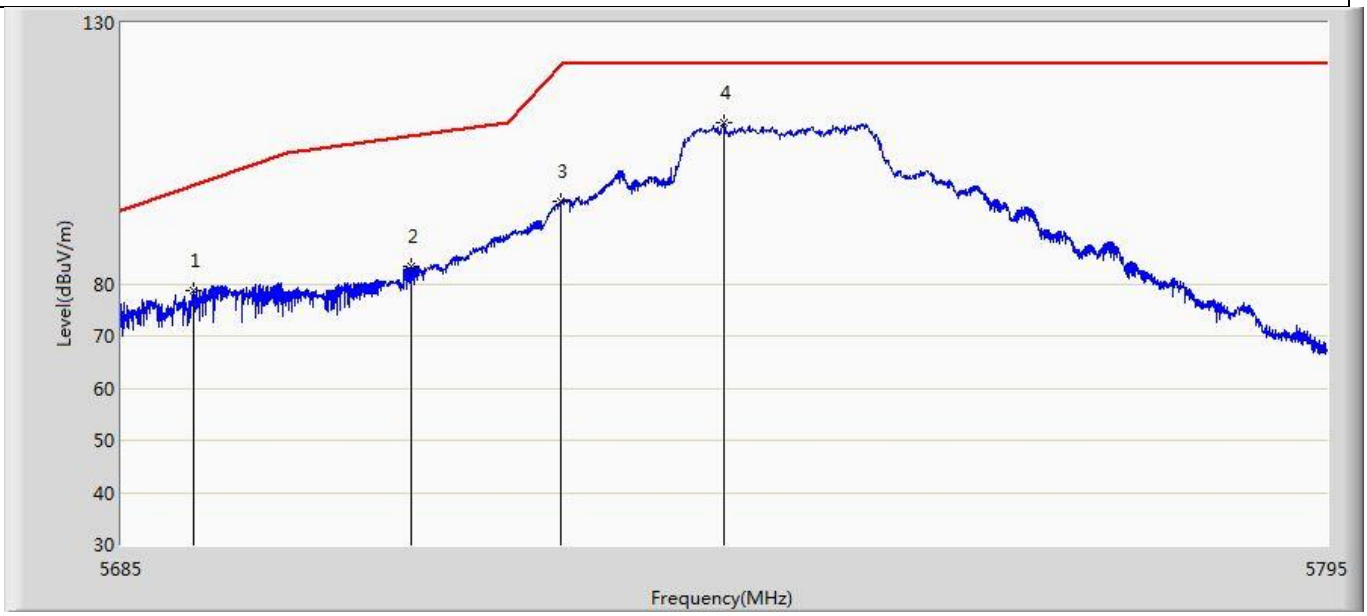
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5140.065	65.264	24.241	-8.736	74.000	41.023	PK
2		5150.000	63.789	22.581	-10.211	74.000	41.208	PK

Profile: 2180545R	Page No.: 8
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20	



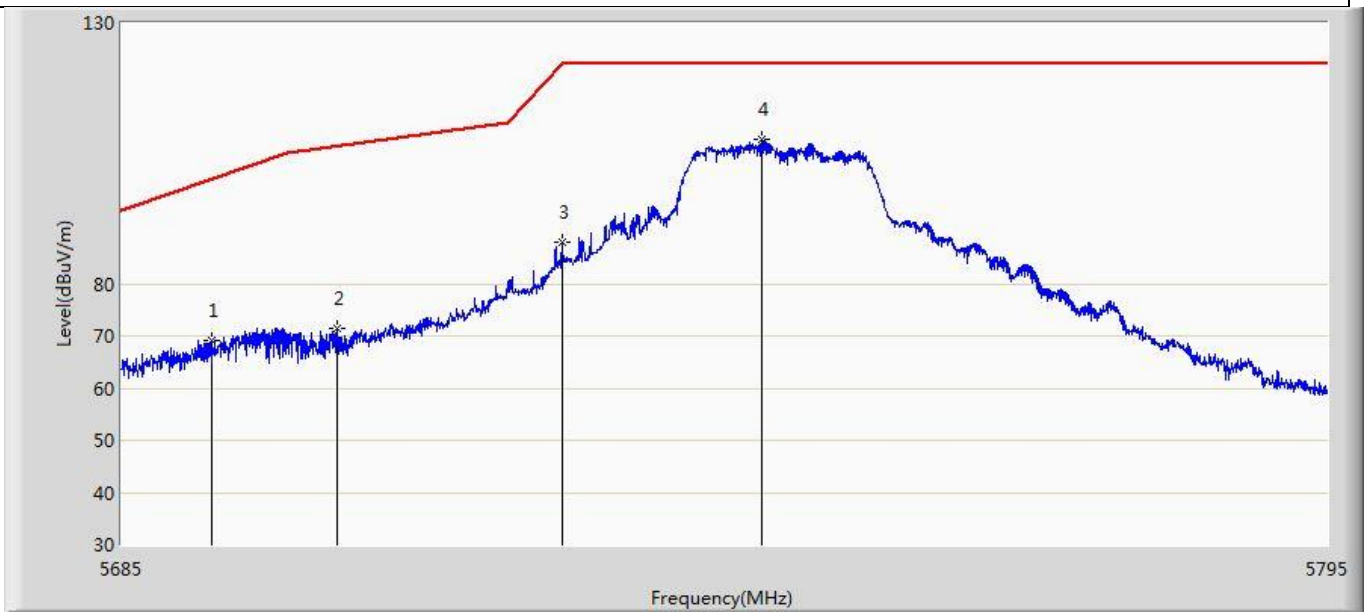
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	47.404	6.196	-6.596	54.000	41.208	AV

Profile: 2180545R	Page No.: 1
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/16 - 19:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5745MHz by 11ac20	



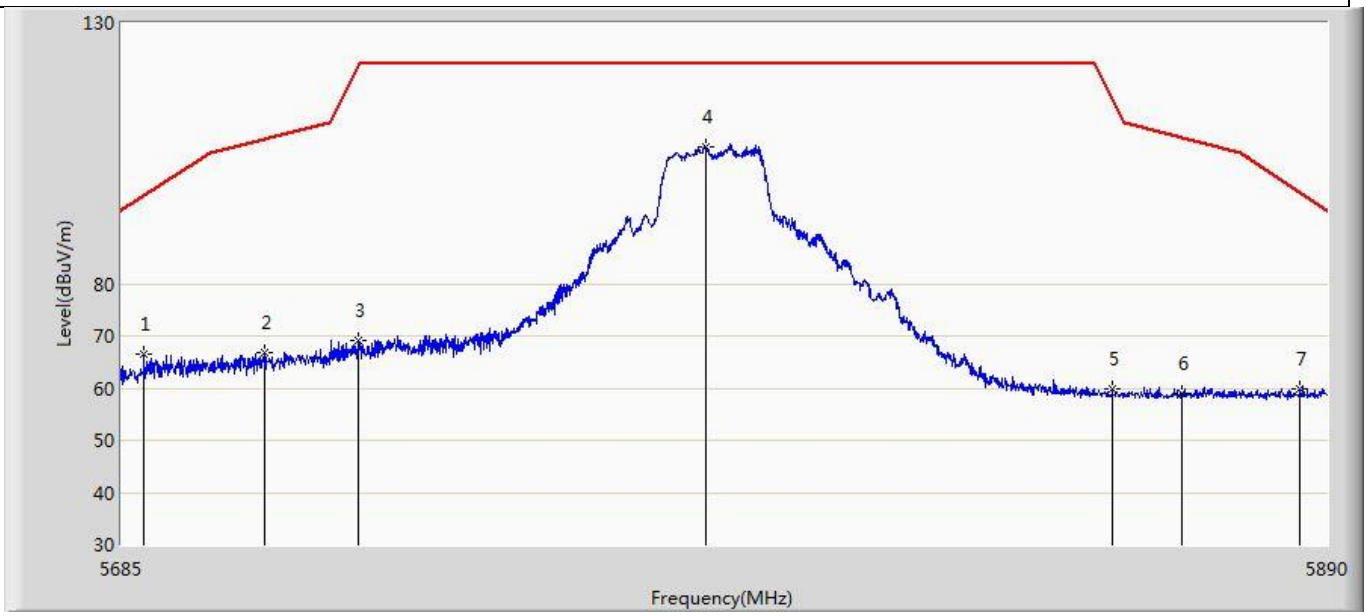
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5691.600	78.787	36.758	-20.220	99.007	42.029	PK
2		5711.290	83.271	41.227	-25.093	108.364	42.044	PK
3		5724.930	95.742	53.785	-26.299	122.040	41.957	PK
4	*	5739.725	110.742	68.926	-11.458	122.200	41.815	PK

Profile: 2180545R	Page No.: 2
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5745MHz by 11ac20	



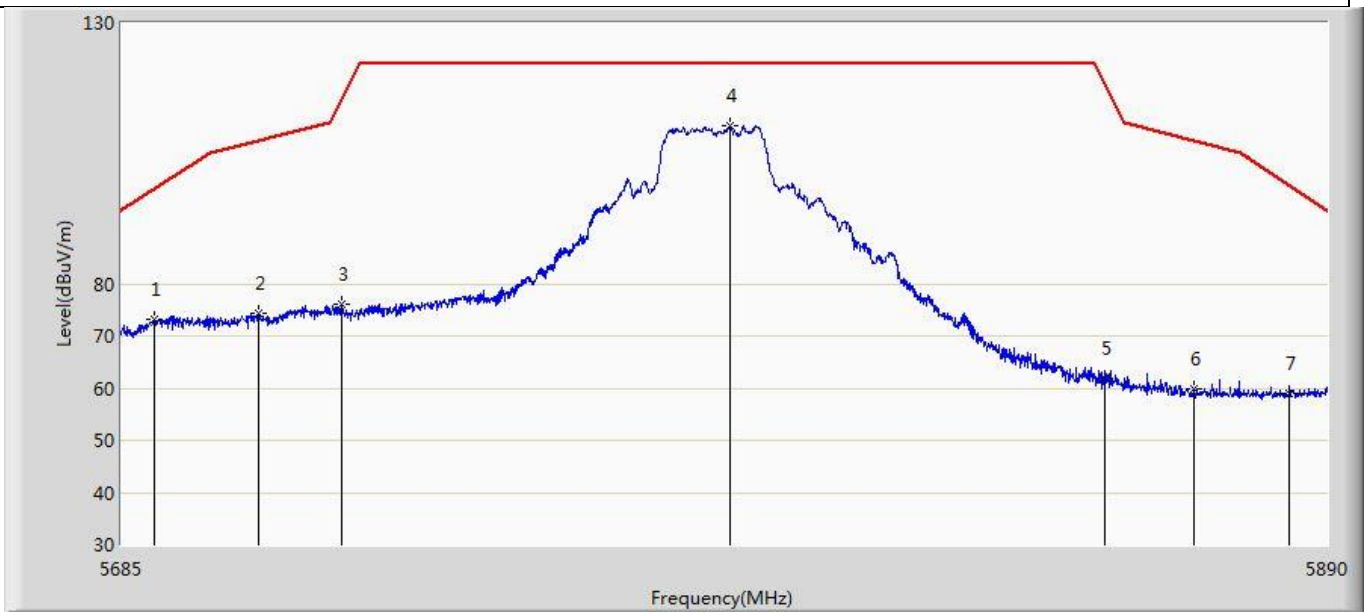
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5693.250	69.002	26.975	-31.222	100.224	42.027	PK
2		5704.525	71.468	29.418	-35.001	106.469	42.050	PK
3		5724.985	88.061	46.105	-34.104	122.166	41.956	PK
4	*	5743.190	107.587	65.799	-14.613	122.200	41.788	PK

Profile: 2180545R	Page No.: 3
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:17
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5785MHz by 11ac20	



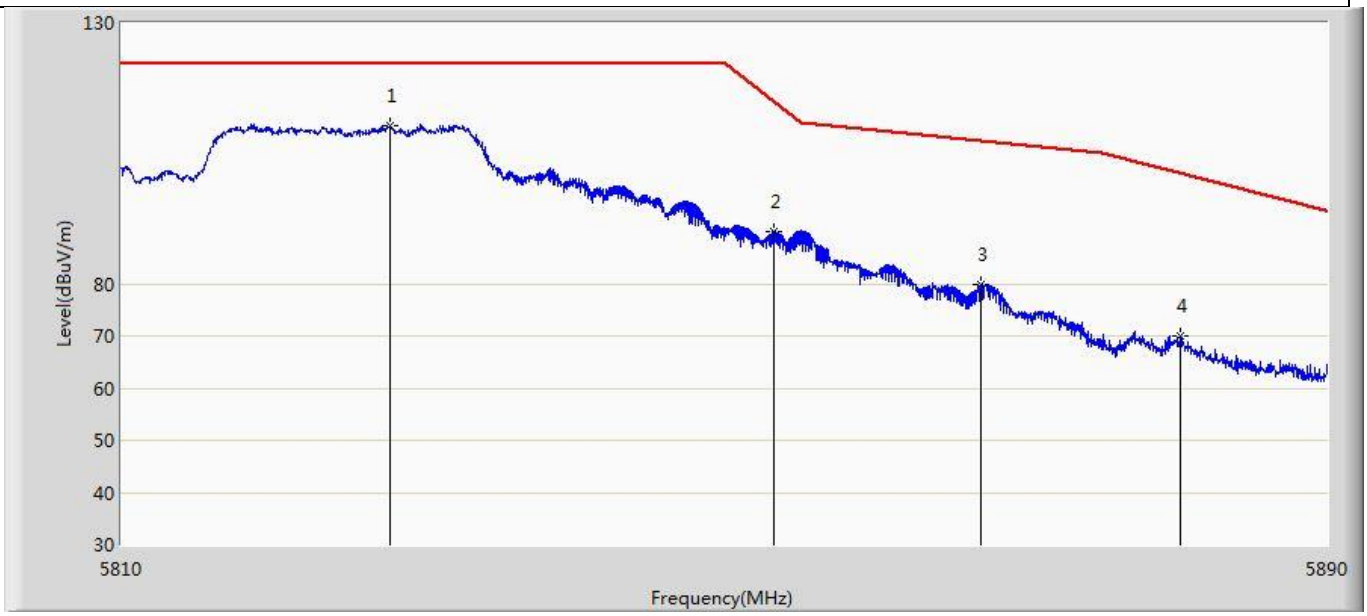
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5694.225	75.806	33.777	-25.137	100.943	42.029	PK
2		5714.007	75.879	33.853	-33.245	109.124	42.026	PK
3		5724.155	77.102	35.140	-43.172	120.274	41.961	PK
4		5742.502	102.002	60.214	-20.198	122.200	41.789	PK
5	*	5792.728	110.788	68.694	-11.412	122.200	42.094	PK

Profile: 2180545R	Page No.: 4
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:20
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5785MHz by 11ac20	



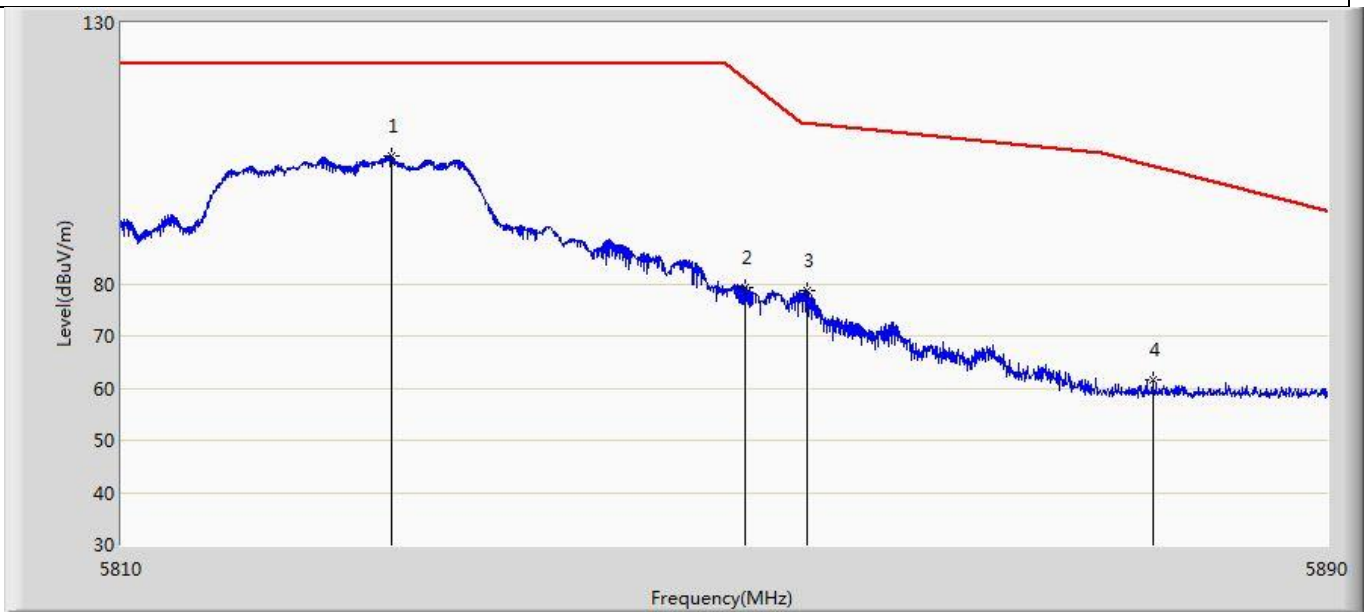
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5693.917	66.918	24.889	-33.798	100.716	42.028	PK
2		5709.498	67.745	25.690	-40.117	107.862	42.055	PK
3		5723.232	65.875	23.907	-52.296	118.170	41.968	PK
4		5747.935	99.189	57.290	-23.011	122.200	41.899	PK
5	*	5792.112	105.969	63.879	-16.231	122.200	42.090	PK

Profile: 2180545R	Page No.: 5
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:21
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5805MHz by 11ac20	



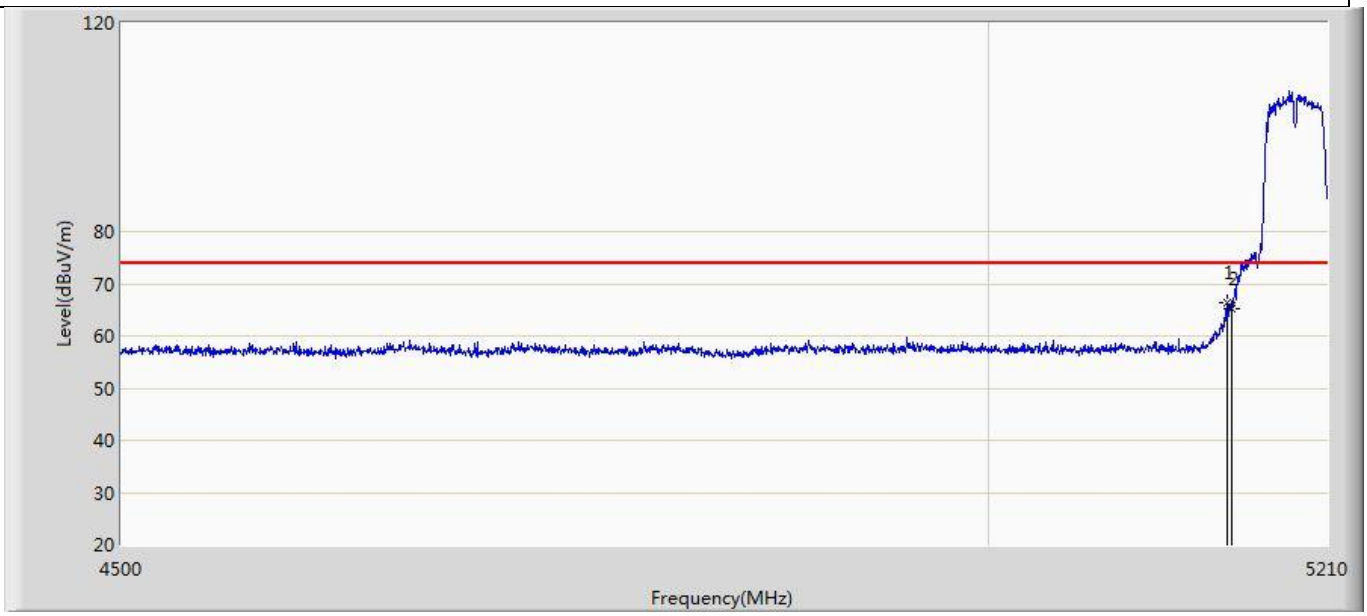
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.760	110.284	68.289	-11.916	122.200	41.996	PK
2		5853.160	89.865	47.898	-25.129	114.994	41.967	PK
3		5866.960	79.881	37.858	-27.568	107.449	42.024	PK
4		5880.200	69.994	27.890	-31.343	101.337	42.104	PK

Profile: 2180545R	Page No.: 6
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:24
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 1:Transmit at 5805MHz by 11ac20	



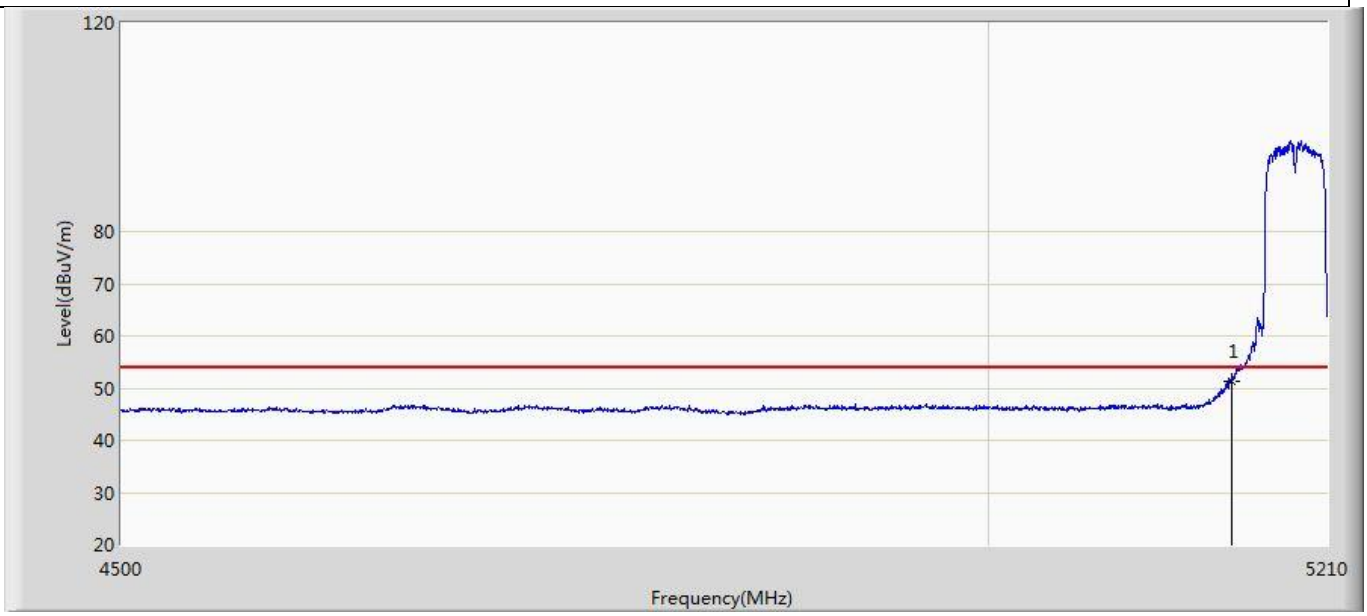
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.840	104.523	62.527	-17.677	122.200	41.996	PK
2		5851.280	79.279	37.318	-40.002	119.281	41.960	PK
3		5855.360	78.663	36.689	-32.036	110.699	41.974	PK
4		5878.360	61.537	19.448	-41.167	102.704	42.089	PK

Profile: 2180545R	Page No.: 10
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5190MHz by 11ac40	



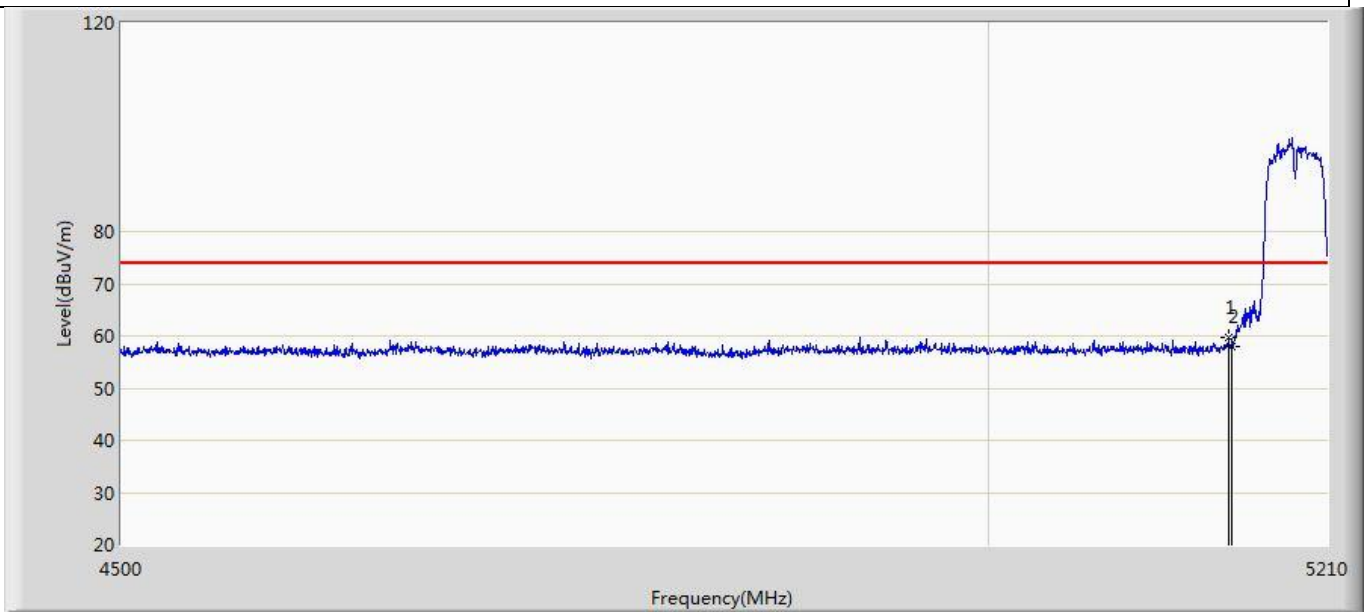
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5147.165	66.253	25.112	-7.747	74.000	41.141	PK
2		5150.000	65.237	24.029	-8.763	74.000	41.208	PK

Profile: 2180545R	Page No.: 9
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5190MHz by 11ac40	



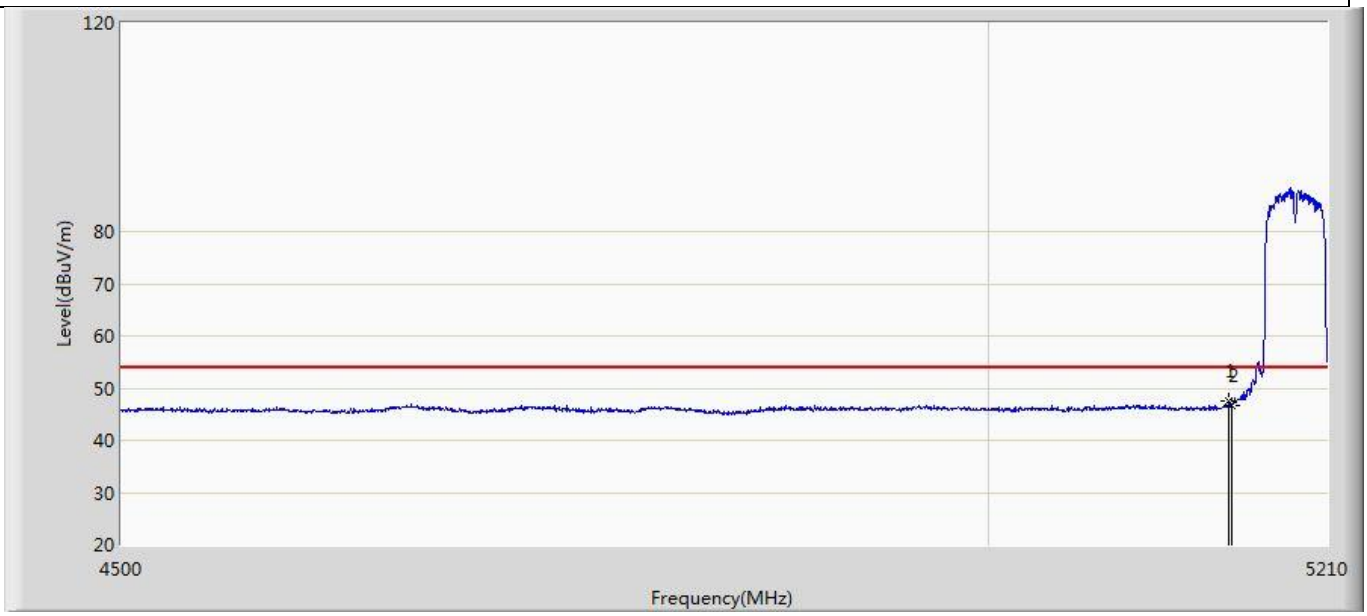
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	51.290	10.082	-2.710	54.000	41.208	AV

Profile: 2180545R	Page No.: 12
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5190MHz by 11ac40	



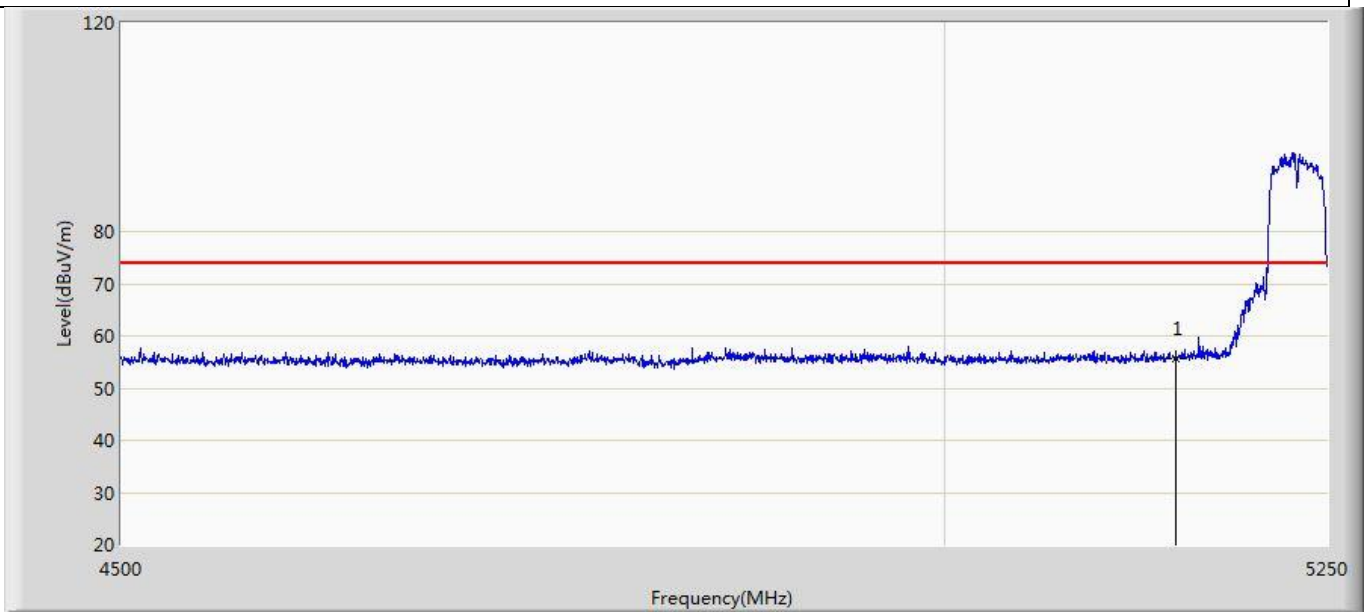
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5148.230	59.741	18.580	-14.259	74.000	41.161	PK
2		5150.000	57.954	16.746	-16.046	74.000	41.208	PK

Profile: 2180545R	Page No.: 11
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5190MHz by 11ac40	



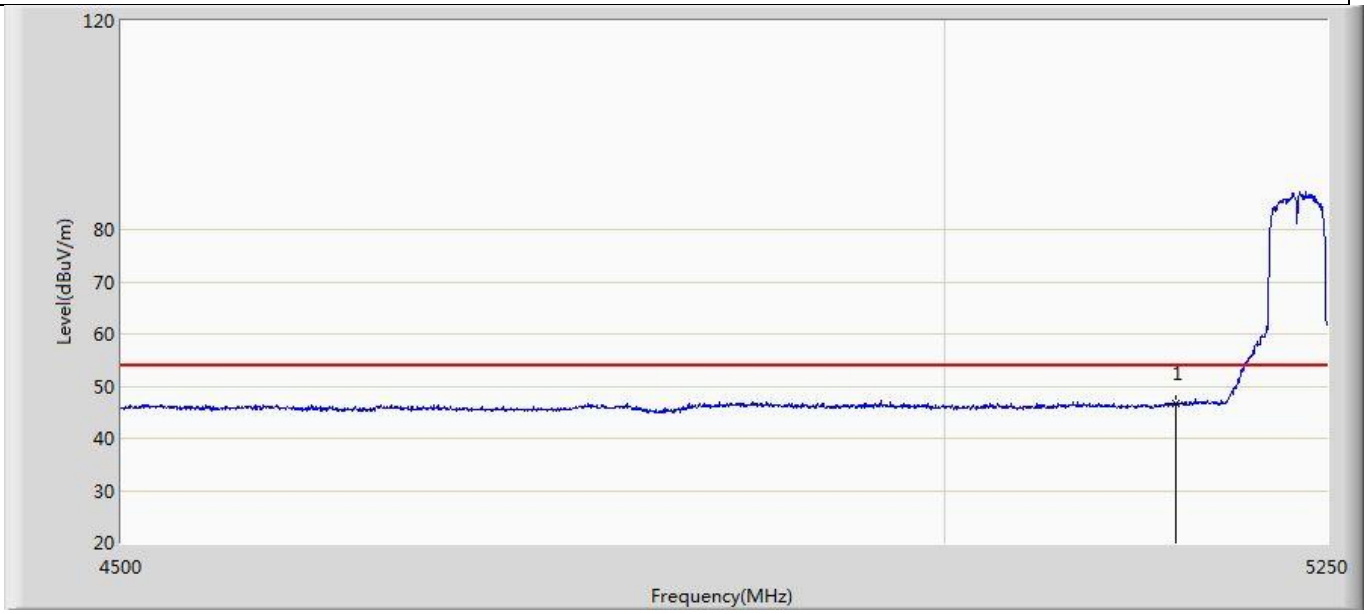
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5148.230	47.436	6.275	-6.564	54.000	41.161	AV
2		5150.000	46.725	5.517	-7.275	54.000	41.208	AV

Profile: 2180545R	Page No.: 14
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 2:Transmit at 5230MHz by 11ac40	



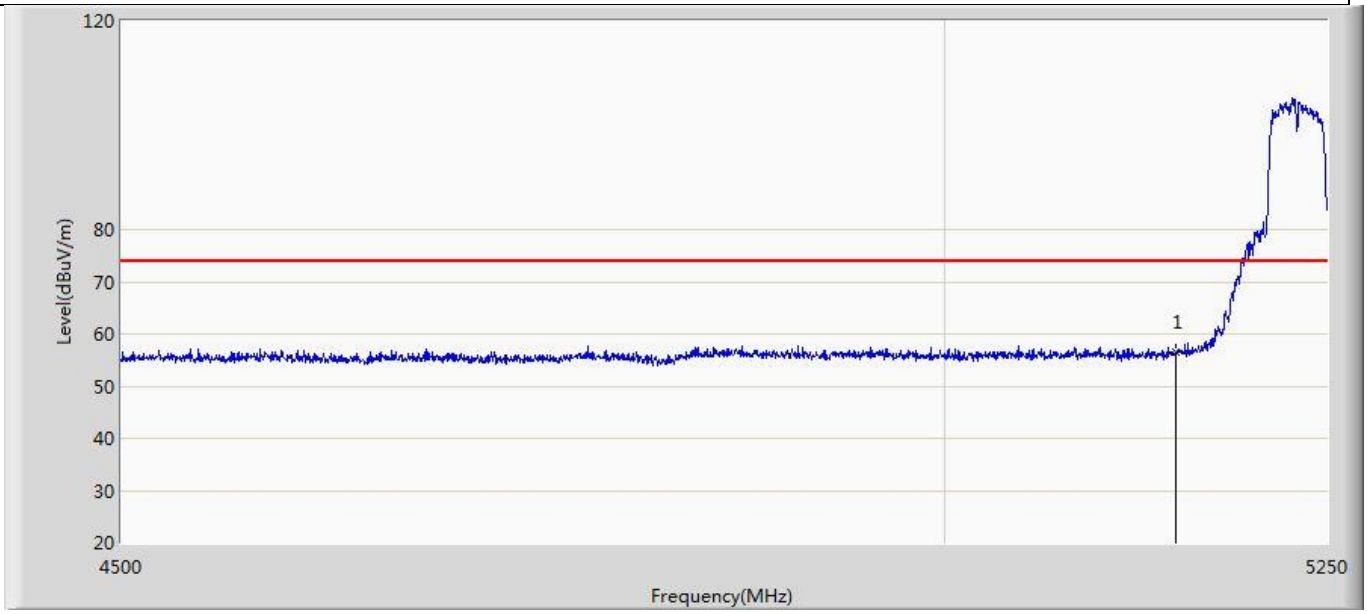
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	55.788	14.580	-18.212	74.000	41.208	PK

Profile: 2180545R	Page No.: 13
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 2:Transmit at 5230MHz by 11ac40	



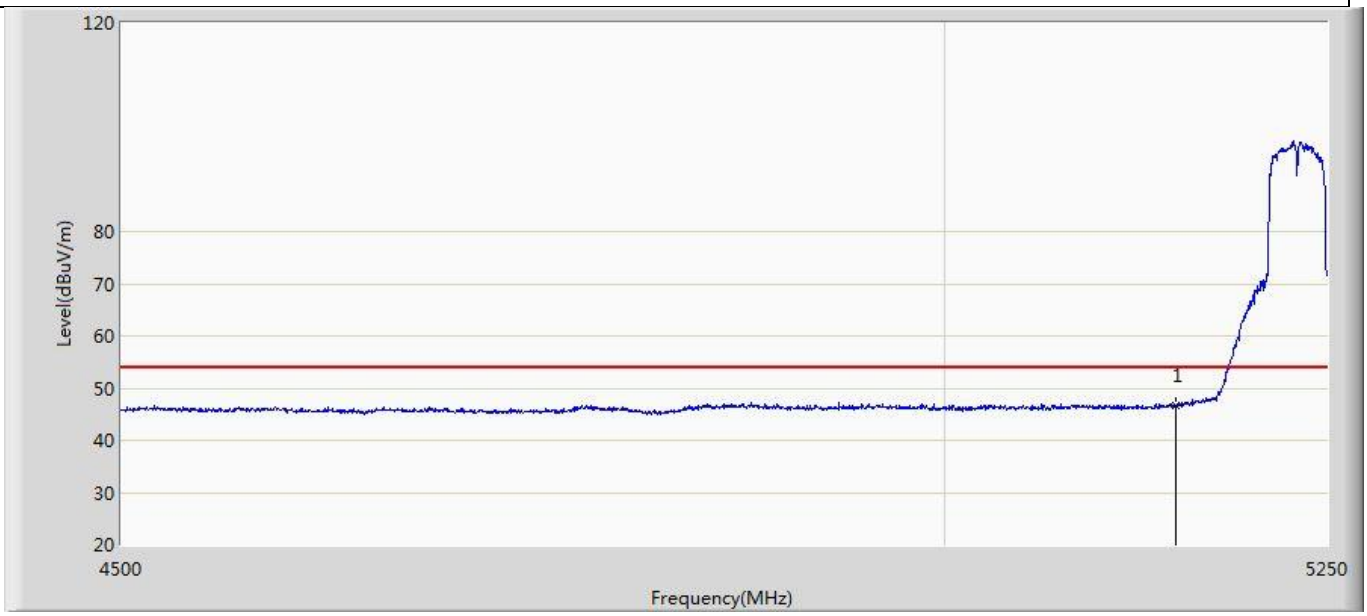
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.681	5.473	-7.319	54.000	41.208	AV

Profile: 2180545R	Page No.: 16
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 2:Transmit at 5230MHz by 11ac40	



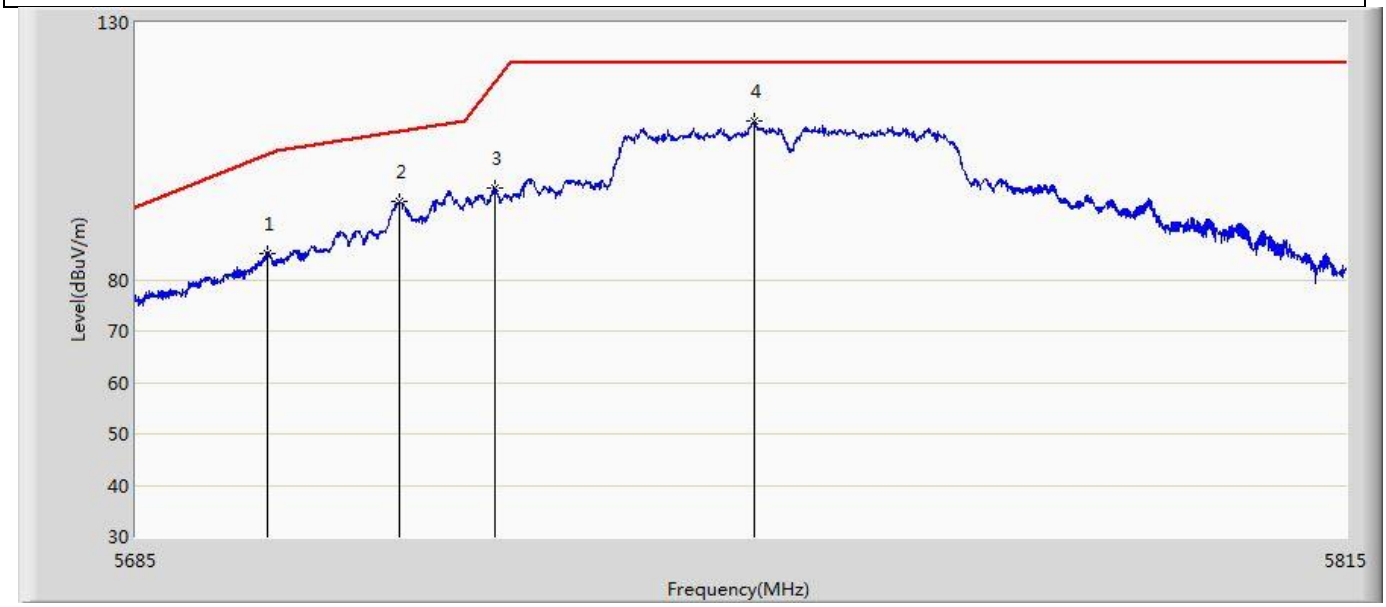
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	56.652	15.444	-17.348	74.000	41.208	PK

Profile: 2180545R	Page No.: 15
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 2:Transmit at 5230MHz by 11ac40	



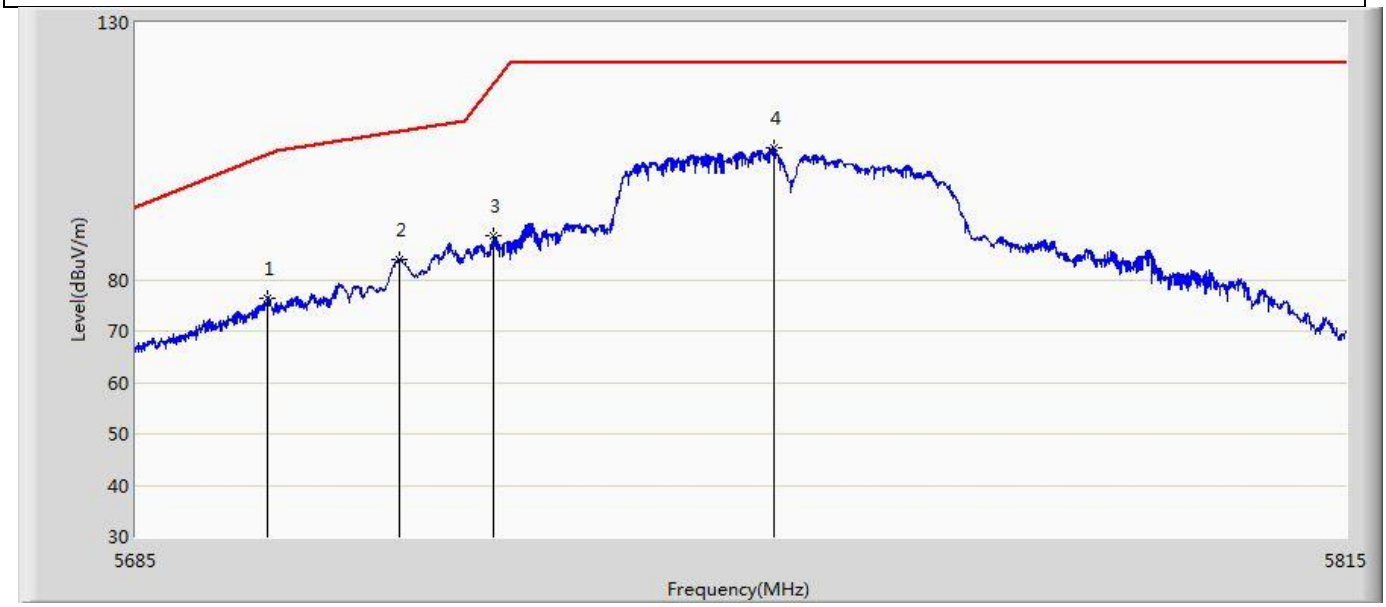
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.596	5.388	-7.404	54.000	41.208	AV

Profile: 2180545R	Page No.: 7
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:27
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5755MHz by 11ac40	



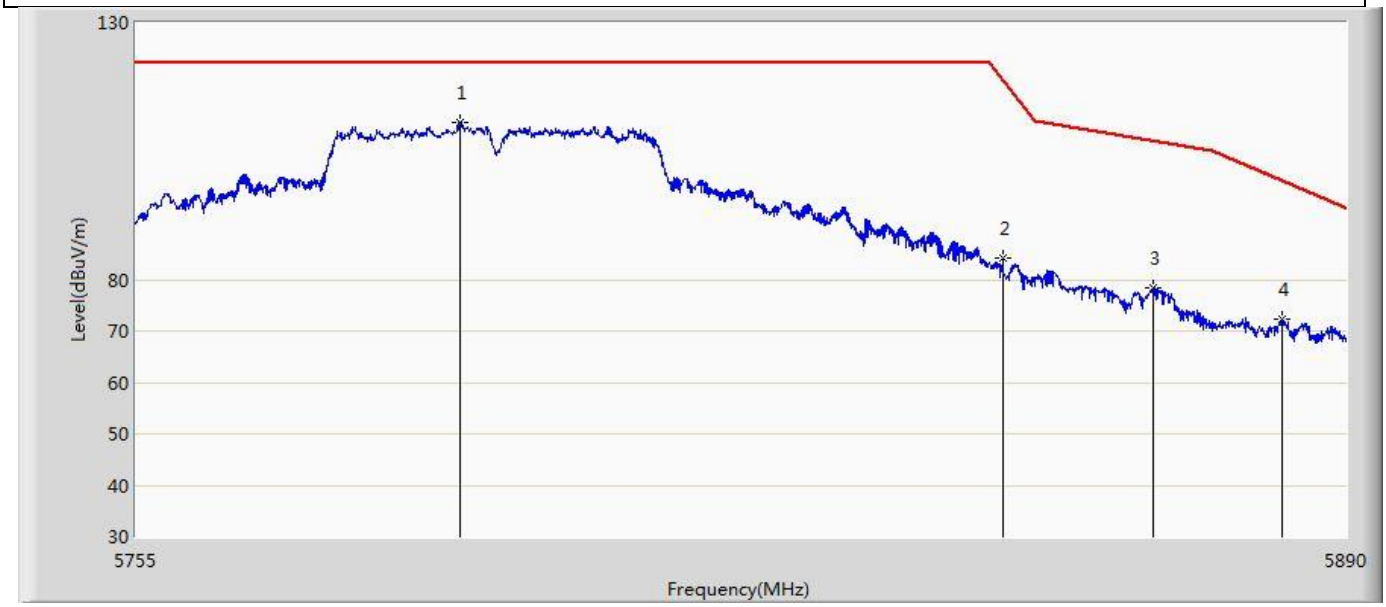
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5698.975	85.157	43.118	-19.288	104.445	42.038	PK
2		5713.145	95.076	53.044	-13.807	108.883	42.032	PK
3		5723.350	97.743	55.776	-20.696	118.439	41.967	PK
4	*	5751.105	110.743	68.769	-11.457	122.200	41.974	PK

Profile: 2180545R	Page No.: 8
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:29
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5755MHz by 11ac40	



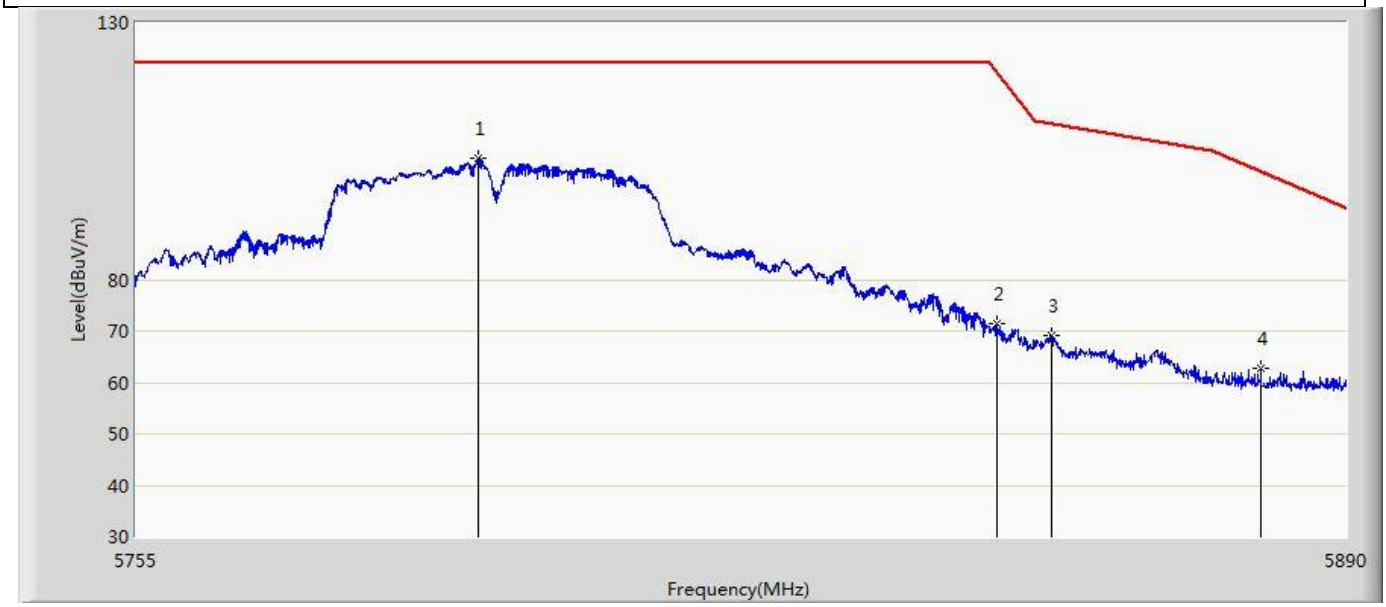
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5698.975	76.497	34.458	-27.948	104.445	42.038	PK
2		5713.145	83.954	41.922	-24.929	108.883	42.032	PK
3		5723.220	88.428	46.460	-29.715	118.143	41.968	PK
4	*	5753.185	105.536	63.513	-16.664	122.200	42.022	PK

Profile: 2180545R	Page No.: 9
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:31
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5795MHz by 11ac40	



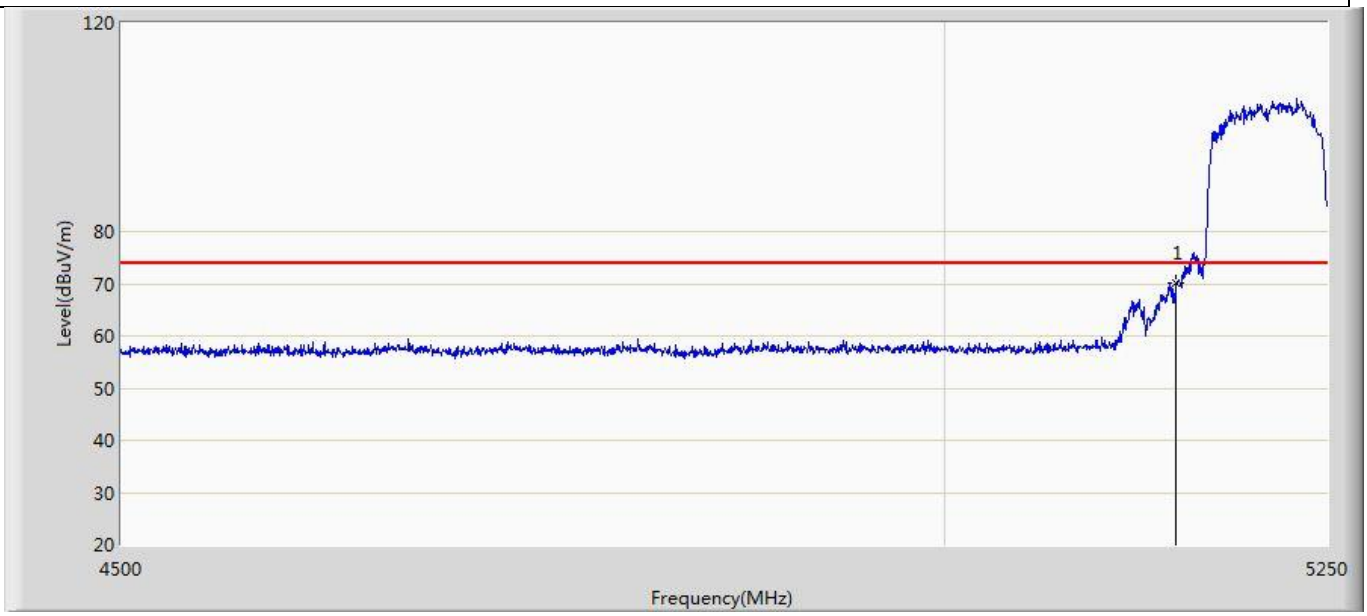
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5790.842	110.659	68.578	-11.541	122.200	42.081	PK
2		5851.390	84.161	42.200	-34.869	119.030	41.961	PK
3		5868.265	78.306	36.275	-28.778	107.084	42.031	PK
4		5882.777	72.255	30.126	-27.169	99.424	42.129	PK

Profile: 2180545R	Page No.: 10
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:33
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 2:Transmit at 5795MHz by 11ac40	



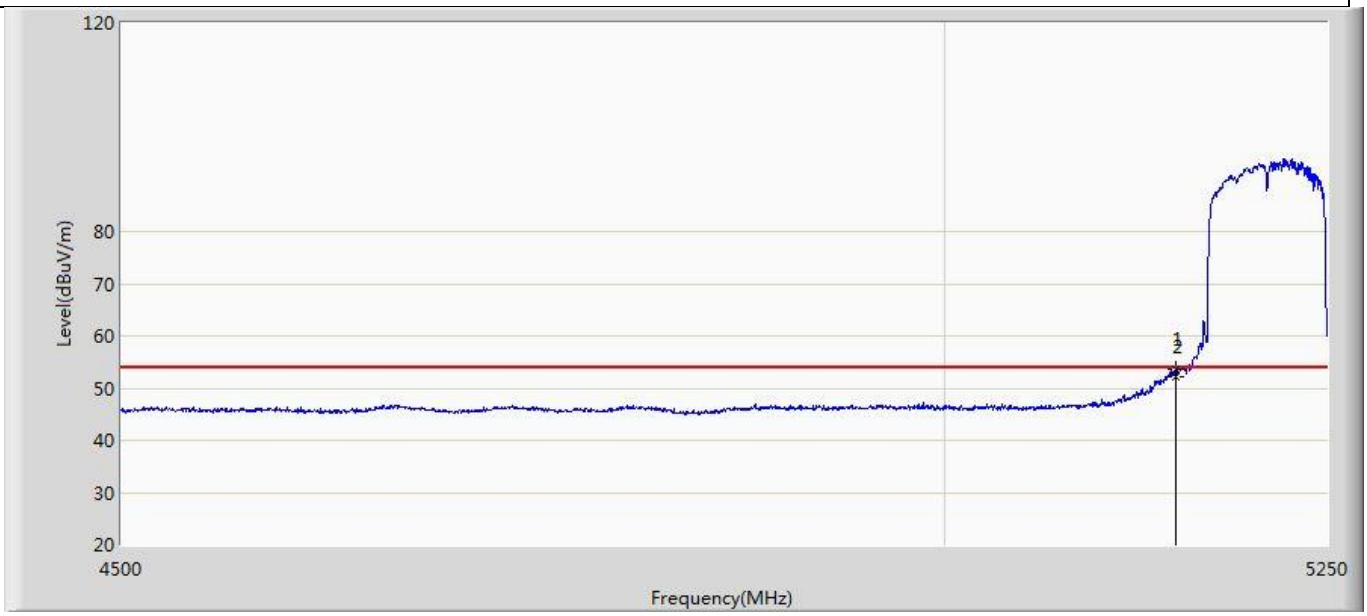
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5792.935	103.573	61.477	-18.627	122.200	42.096	PK
2		5850.783	71.323	29.364	-49.091	120.414	41.959	PK
3		5856.925	69.208	27.229	-41.052	110.260	41.979	PK
4		5880.415	62.682	20.576	-38.496	101.178	42.106	PK

Profile: 2180545R	Page No.: 18
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 3:Transmit at 5210MHz by 11ac80	



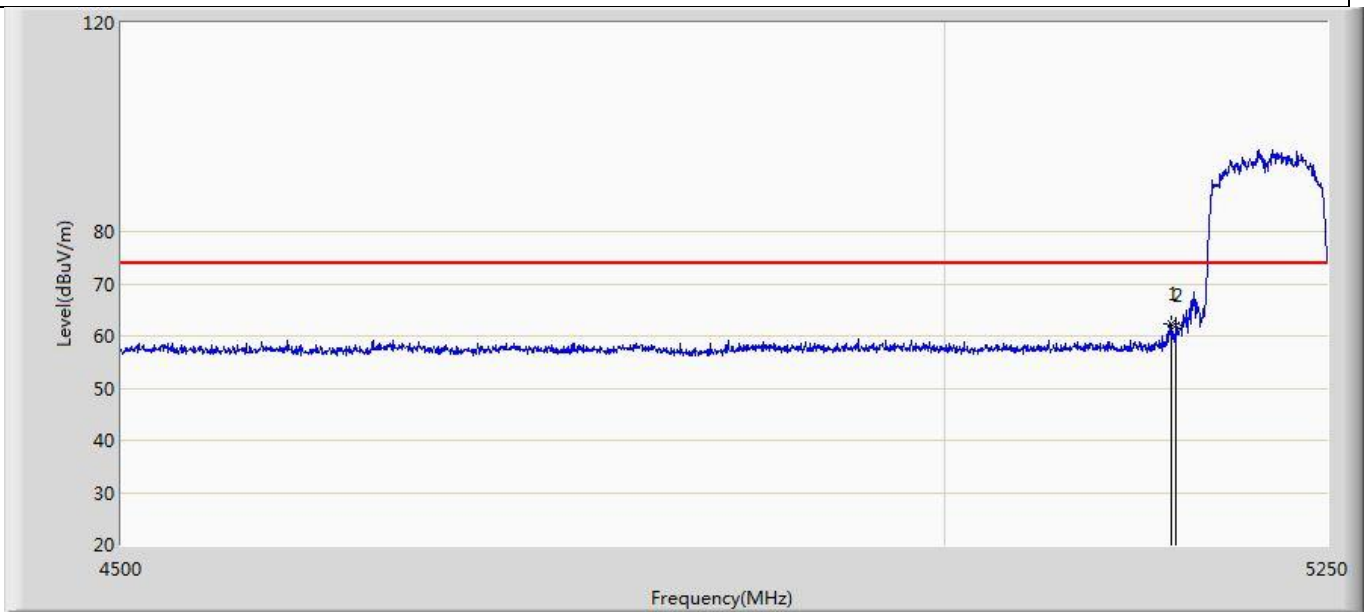
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	70.222	29.014	-3.778	74.000	41.208	PK

Profile: 2180545R	Page No.: 17
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 3:Transmit at 5210MHz by 11ac80	



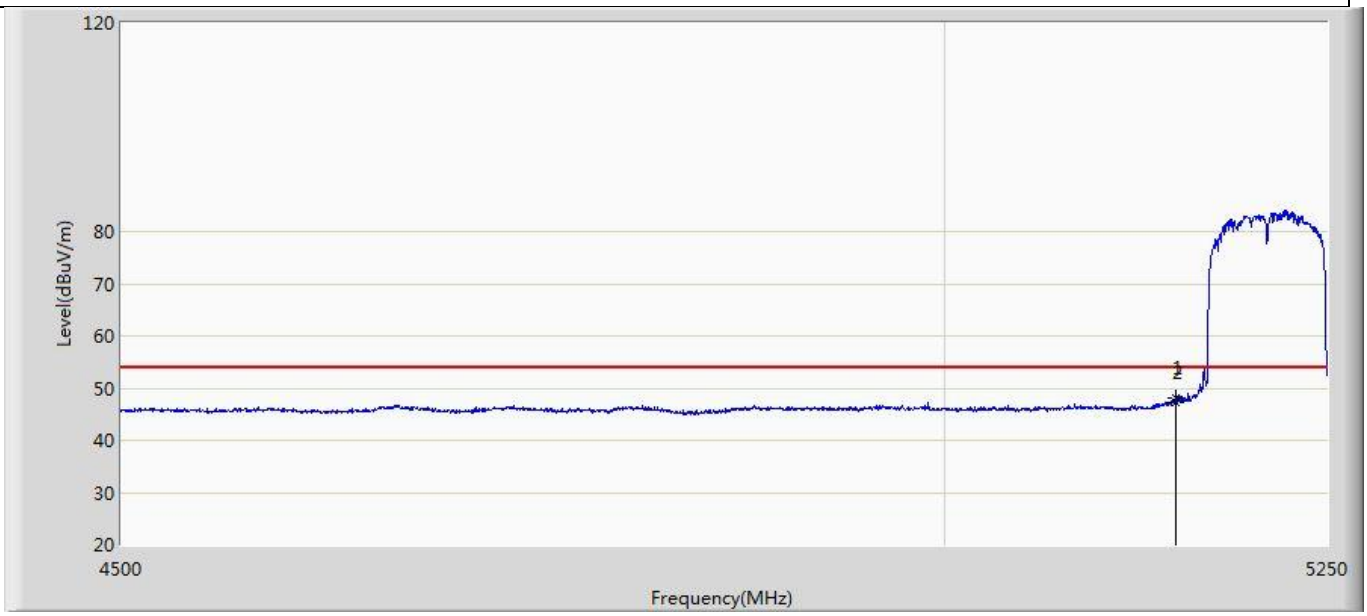
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5149.125	53.499	12.314	-0.501	54.000	41.185	AV
2		5150.000	52.309	11.101	-1.691	54.000	41.208	AV

Profile: 2180545R	Page No.: 20
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 3:Transmit at 5210MHz by 11ac80	



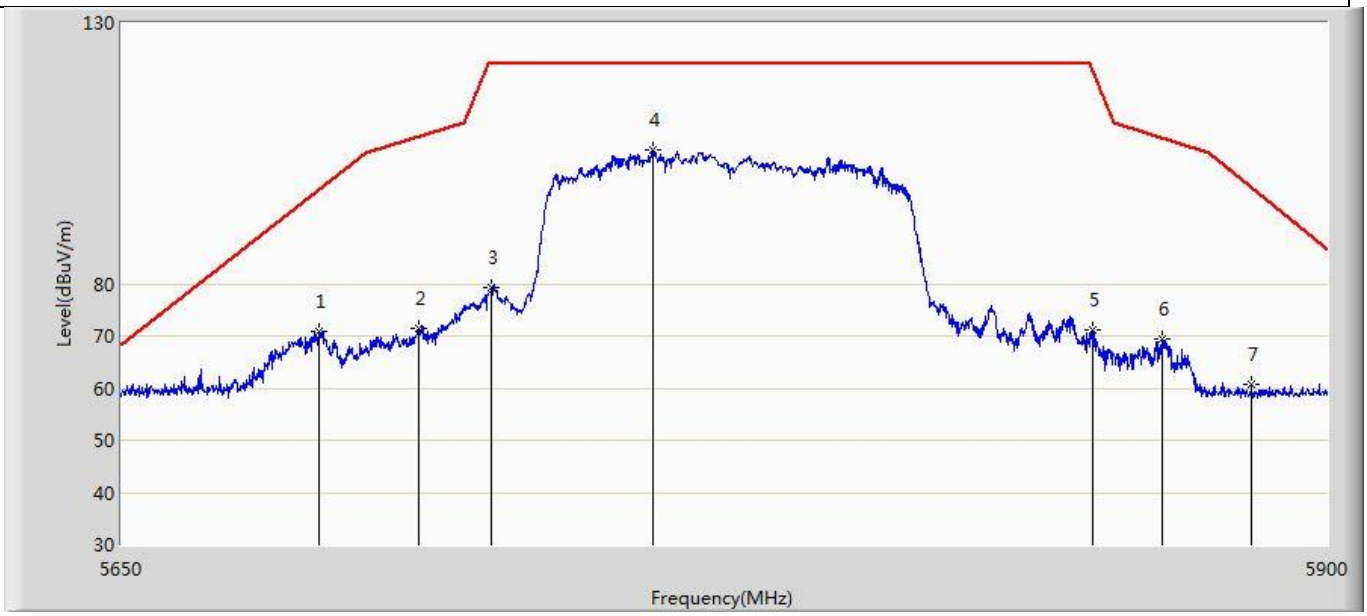
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5146.125	62.431	21.307	-11.569	74.000	41.124	PK
2		5150.000	62.100	20.892	-11.900	74.000	41.208	PK

Profile: 2180545R	Page No.: 19
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 3:Transmit at 5210MHz by 11ac80	



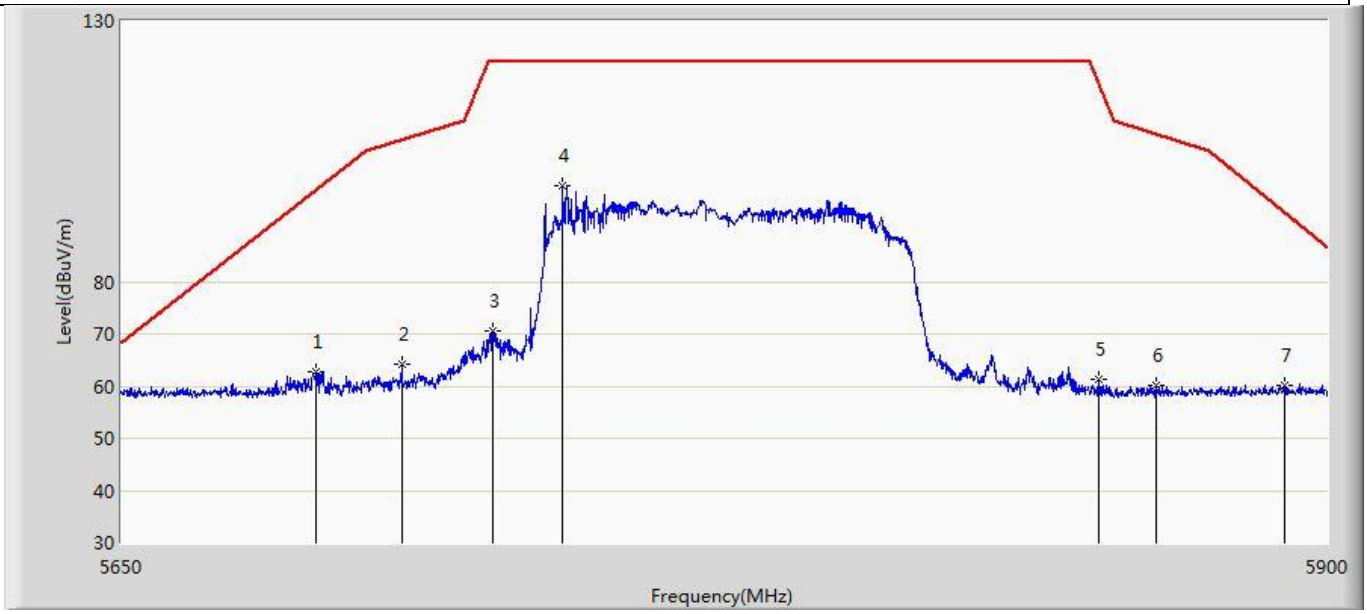
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5149.125	48.167	6.982	-5.833	54.000	41.185	AV
2		5150.000	47.268	6.060	-6.732	54.000	41.208	AV

Profile: 2180545R	Page No.: 11
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:35
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 3:Transmit at 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5690.375	70.860	28.819	-27.243	98.103	42.041	PK
2		5710.625	71.490	29.442	-36.687	108.177	42.048	PK
3		5725.625	79.300	37.348	-42.900	122.200	41.953	PK
4	*	5758.875	105.753	63.596	-16.447	122.200	42.156	PK
5		5850.625	71.045	29.087	-49.729	120.774	41.959	PK
6		5865.250	69.280	27.266	-38.648	107.928	42.013	PK
7		5884.000	60.650	18.509	-37.867	98.517	42.141	PK

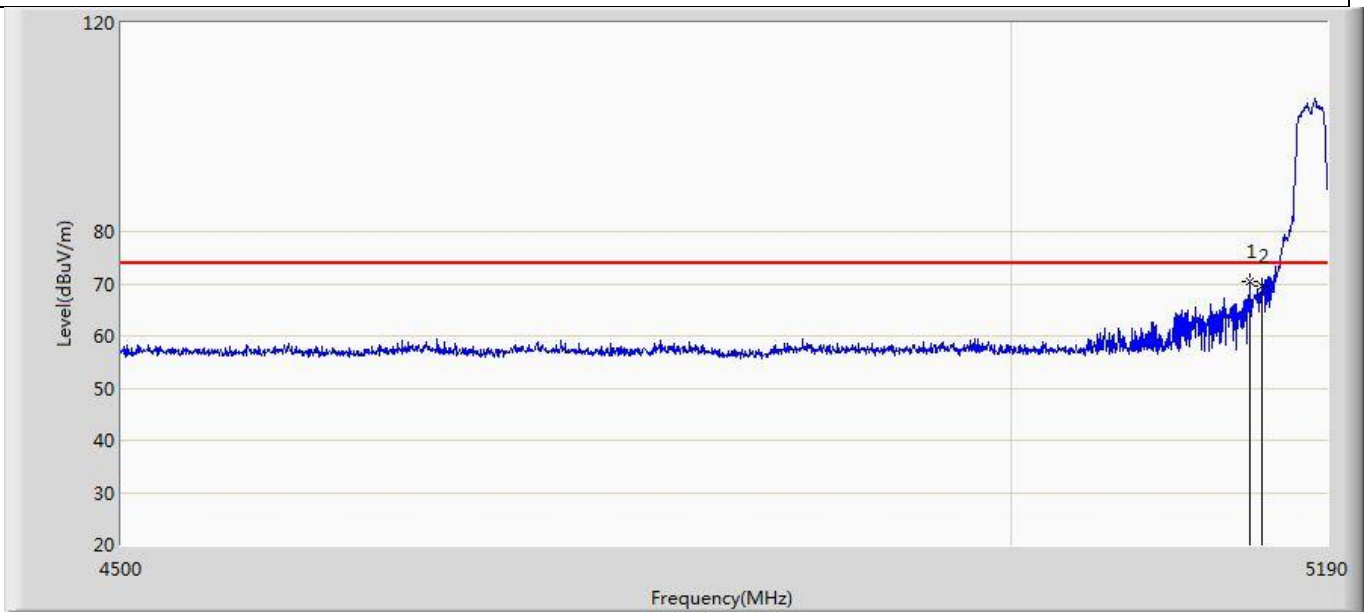
Profile: 2180545R	Page No.: 12
Engineer: Julius zhou	
Site: AC5	Time: 2021/11/25 - 23:37
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS（Local Positioning System）	Power: DC3.3V
Note: Mode 3:Transmit at 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5689.625	62.805	20.757	-34.744	97.549	42.048	PK
2		5707.250	64.195	22.140	-43.037	107.232	42.055	PK
3		5726.000	70.464	28.514	-51.736	122.200	41.950	PK
4	*	5740.375	98.393	56.584	-23.807	122.200	41.809	PK
5		5852.000	61.366	19.403	-56.273	117.639	41.963	PK
6		5864.000	60.088	18.082	-48.189	108.278	42.007	PK
7		5891.125	60.087	17.877	-33.146	93.233	42.210	PK

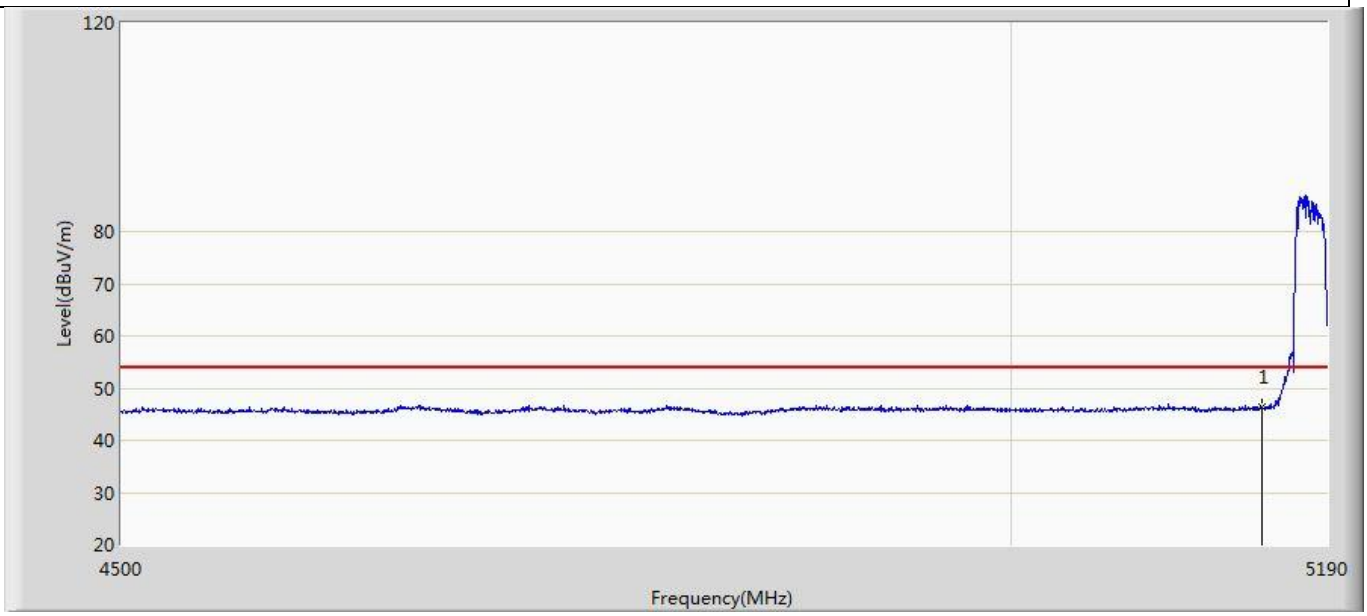
ANT-DB1-RAF-RPS： SISO-Ant2

Profile: 2180545R	Page No.: 1
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS（LOCAL POSITIONING SYSTEM）	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20 SISO	



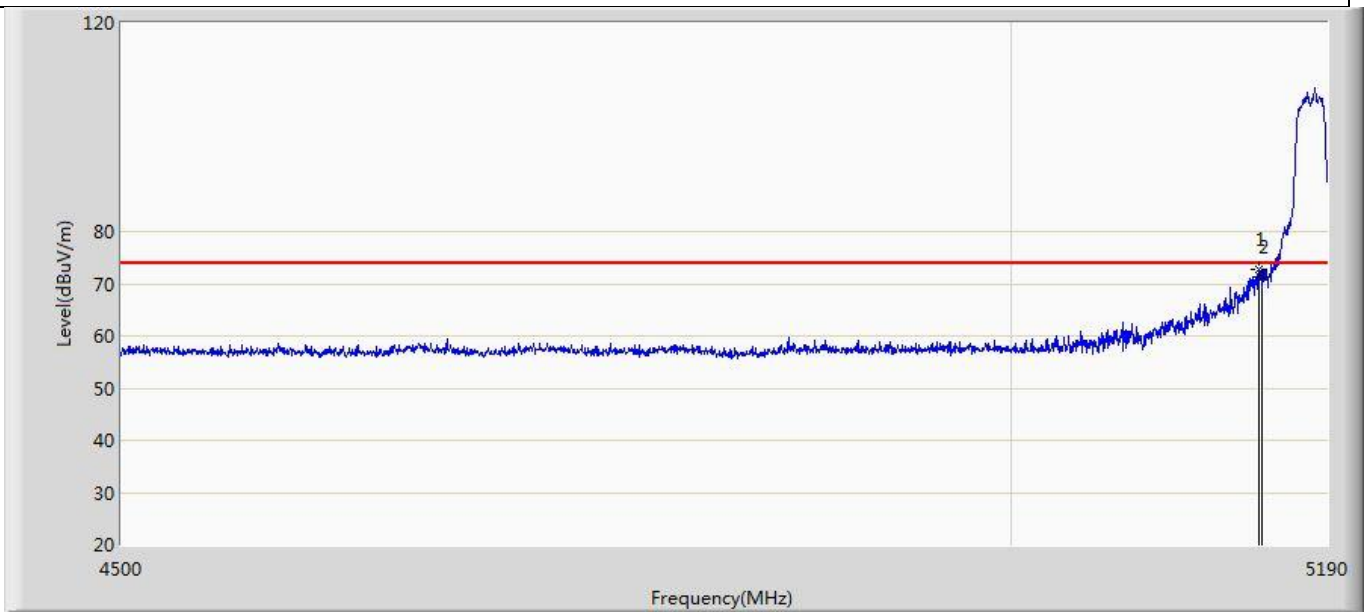
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5143.080	70.372	29.299	-3.628	74.000	41.073	PK
2		5150.000	69.431	28.223	-4.569	74.000	41.208	PK

Profile: 2180545R	Page No.: 2
Engineer: Nile	
Site: AC5	Time: 2021/11/16 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20 SISO	



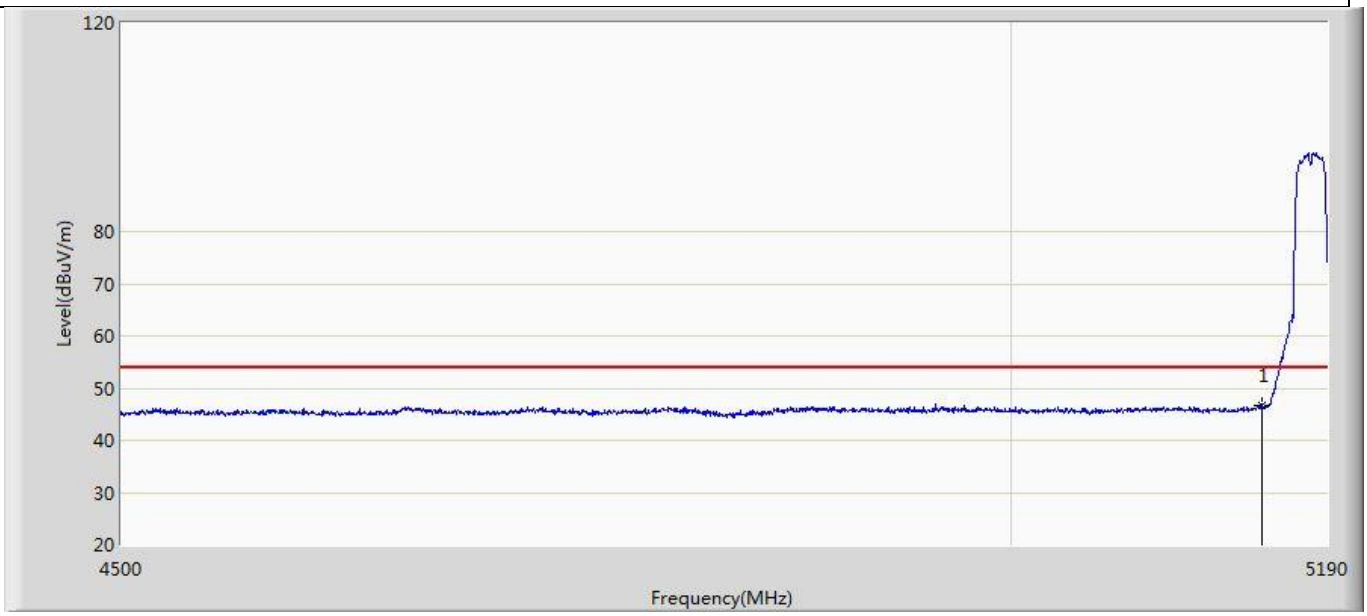
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.294	5.086	-7.706	54.000	41.208	AV

Profile: 2180545R	Page No.: 3
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20 SISO	



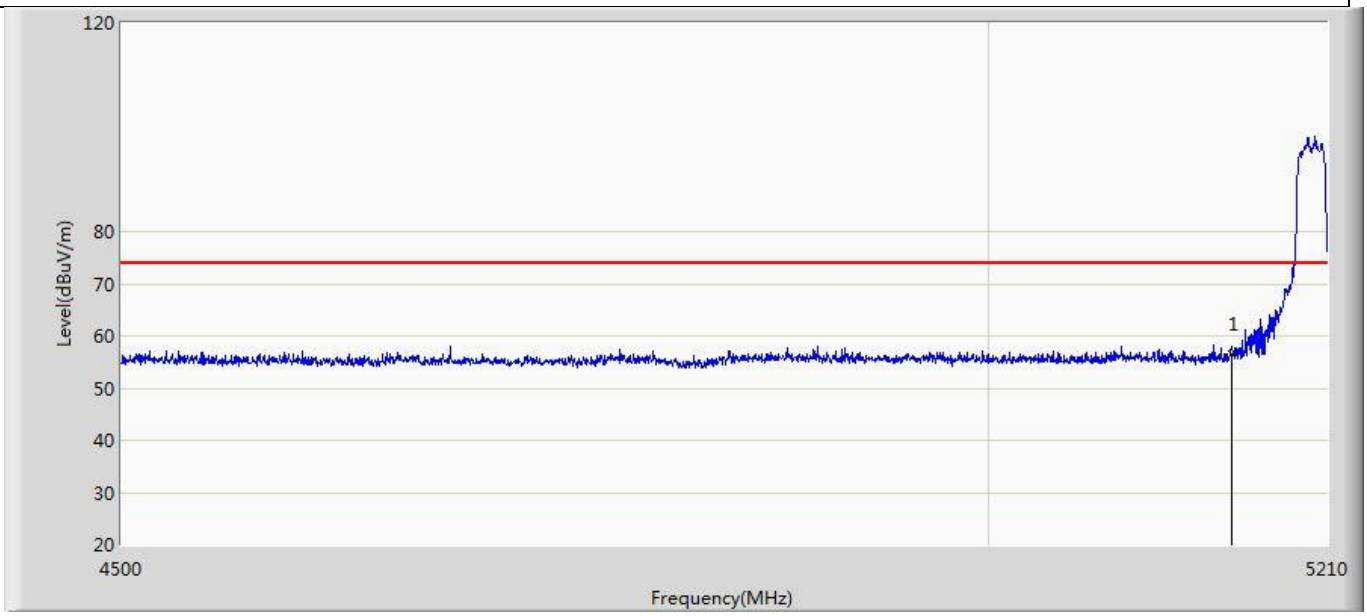
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5148.600	72.659	31.488	-1.341	74.000	41.171	PK
2		5150.000	71.198	29.990	-2.802	74.000	41.208	PK

Profile: 2180545R	Page No.: 4
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5180MHz by 11ac20 SISO	



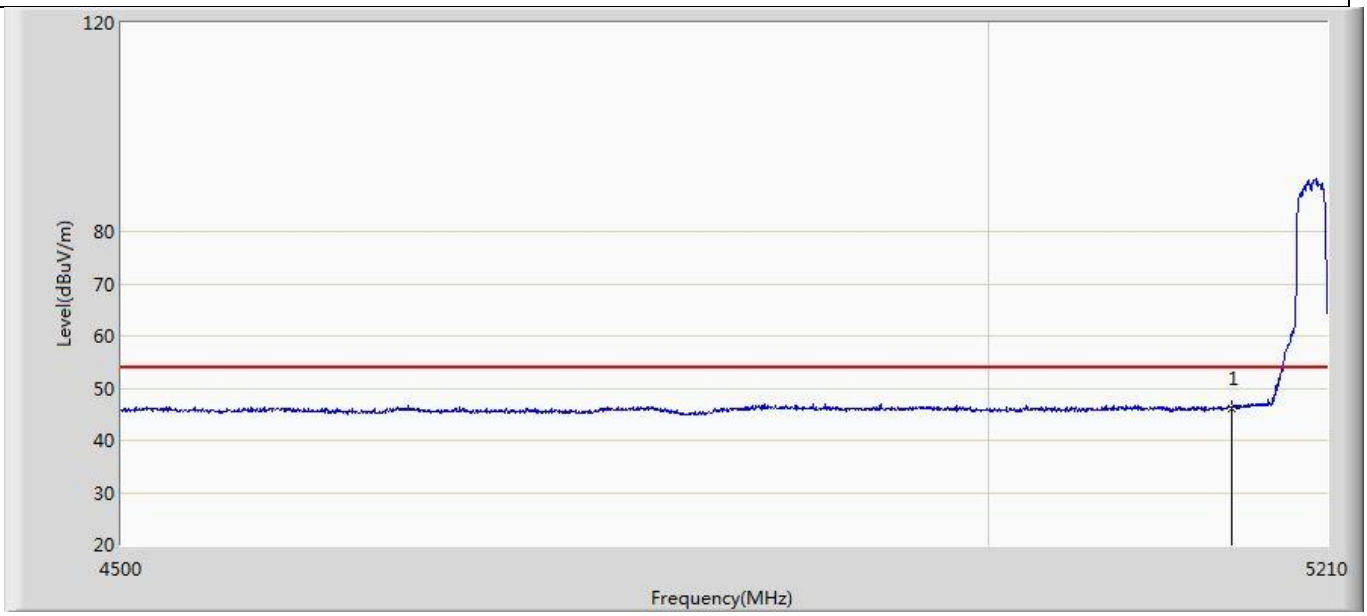
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.789	5.581	-7.211	54.000	41.208	AV

Profile: 2180545R	Page No.: 5
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20 SISO	



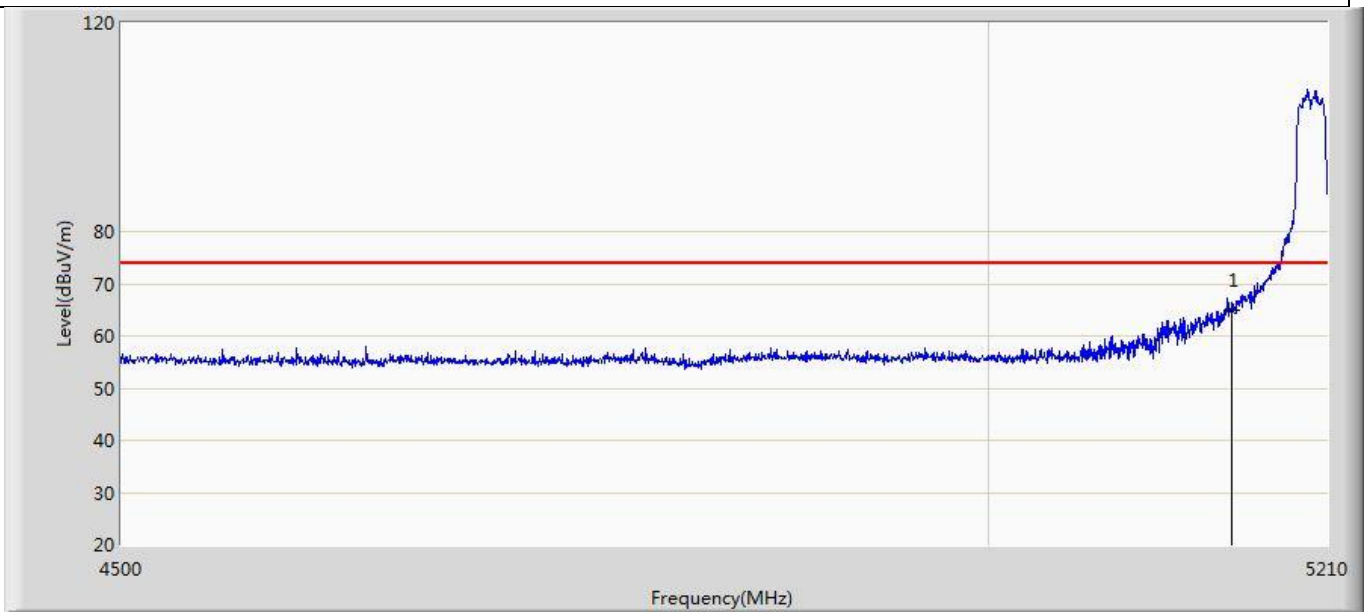
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	56.442	15.234	-17.558	74.000	41.208	PK

Profile: 2180545R	Page No.: 6
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20 SISO	



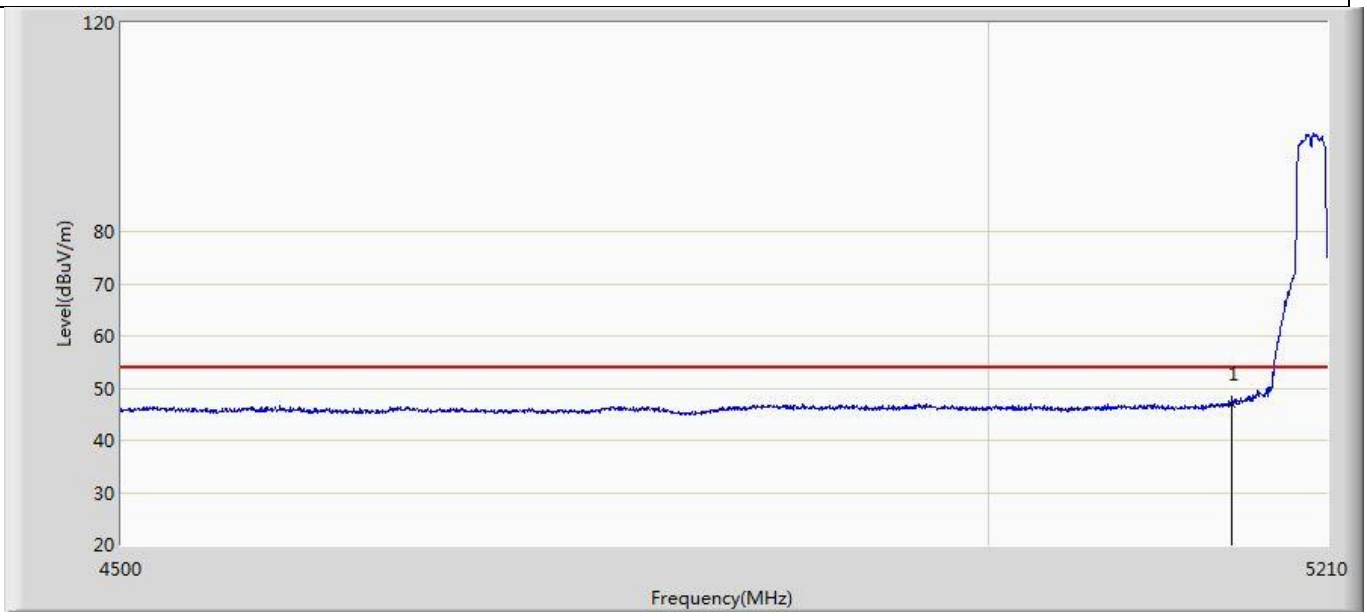
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.195	4.987	-7.805	54.000	41.208	AV

Profile: 2180545R	Page No.: 7
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20 SISO	



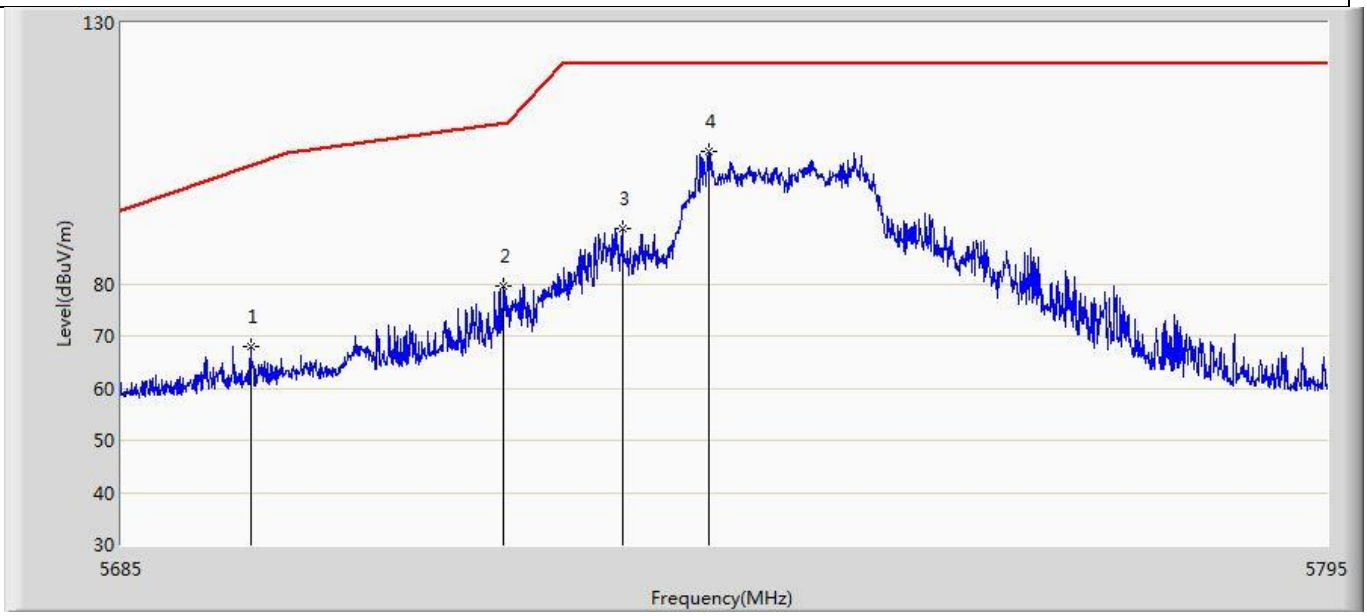
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	64.938	23.730	-9.062	74.000	41.208	PK

Profile: 2180545R	Page No.: 8
Engineer: Nile	
Site: AC5	Time: 2021/12/03 - 20:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5200MHz by 11ac20 SISO	



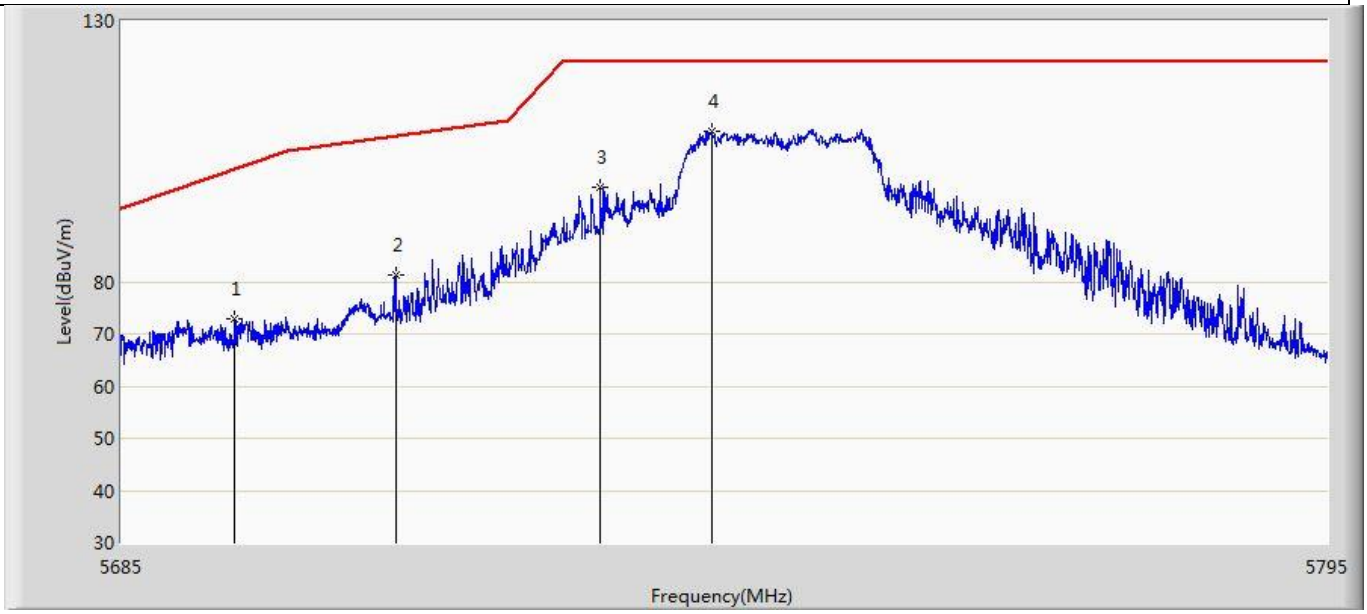
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	46.879	5.671	-7.121	54.000	41.208	AV

Profile: 2180545R	Page No.: 1
Engineer: Nile	
Site: AC5	Time: 2021/11/16 - 19:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5745MHz by 11ac20 SISO	



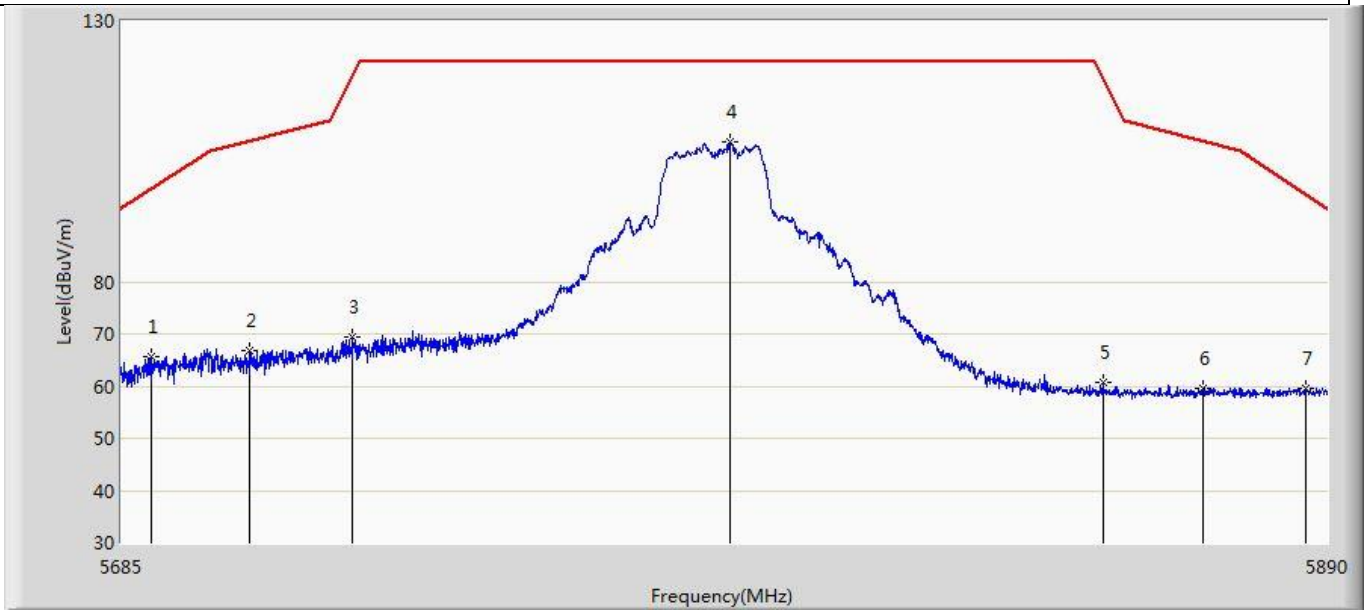
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5696.715	67.974	25.940	-34.805	102.779	42.034	PK
2		5719.650	79.587	37.597	-31.115	110.702	41.991	PK
3		5730.485	90.560	48.654	-31.640	122.200	41.906	PK
4	*	5738.295	105.354	63.524	-16.846	122.200	41.829	PK

Profile: 2180545R	Page No.: 2
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 23:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5745MHz by 11ac20 SISO	



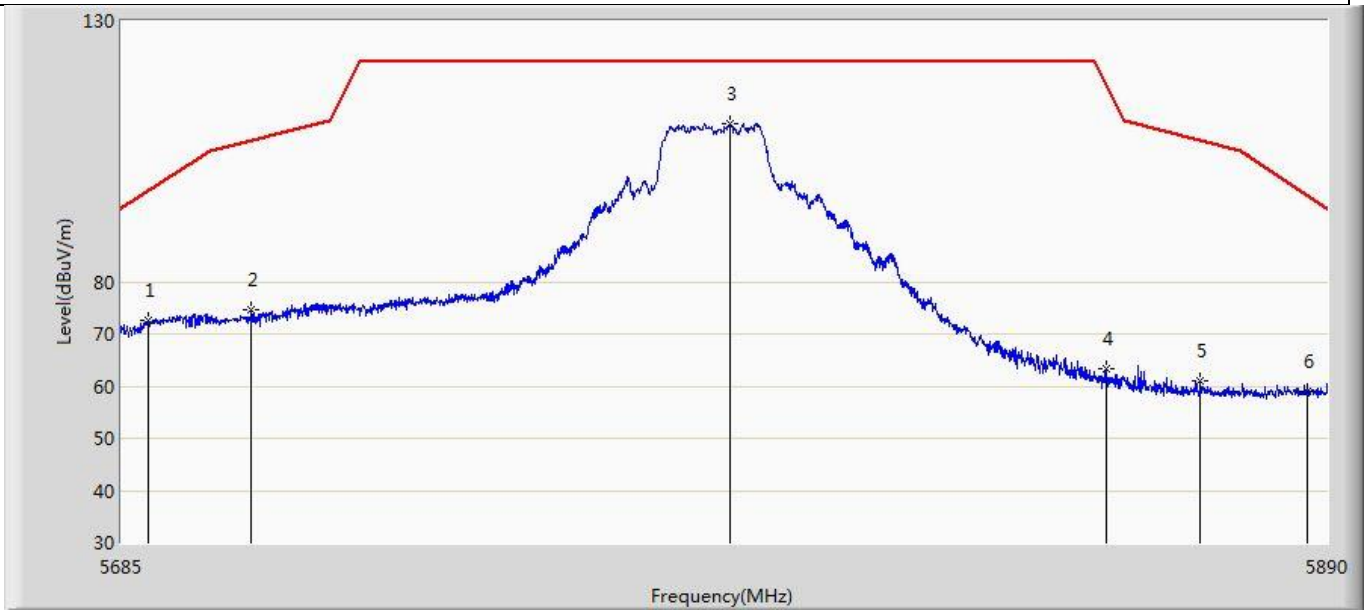
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5695.285	72.959	30.928	-28.766	101.725	42.032	PK
2		5709.915	81.309	39.256	-26.670	107.979	42.053	PK
3		5728.450	98.023	56.097	-24.177	122.200	41.926	PK
4	*	5738.625	108.879	67.053	-13.321	122.200	41.827	PK

Profile: 2180545R	Page No.: 208
Engineer: Juliuszhou	
Site: AC5	Time: 2021/11/29 - 21:02
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5785MHz by 11ac20	



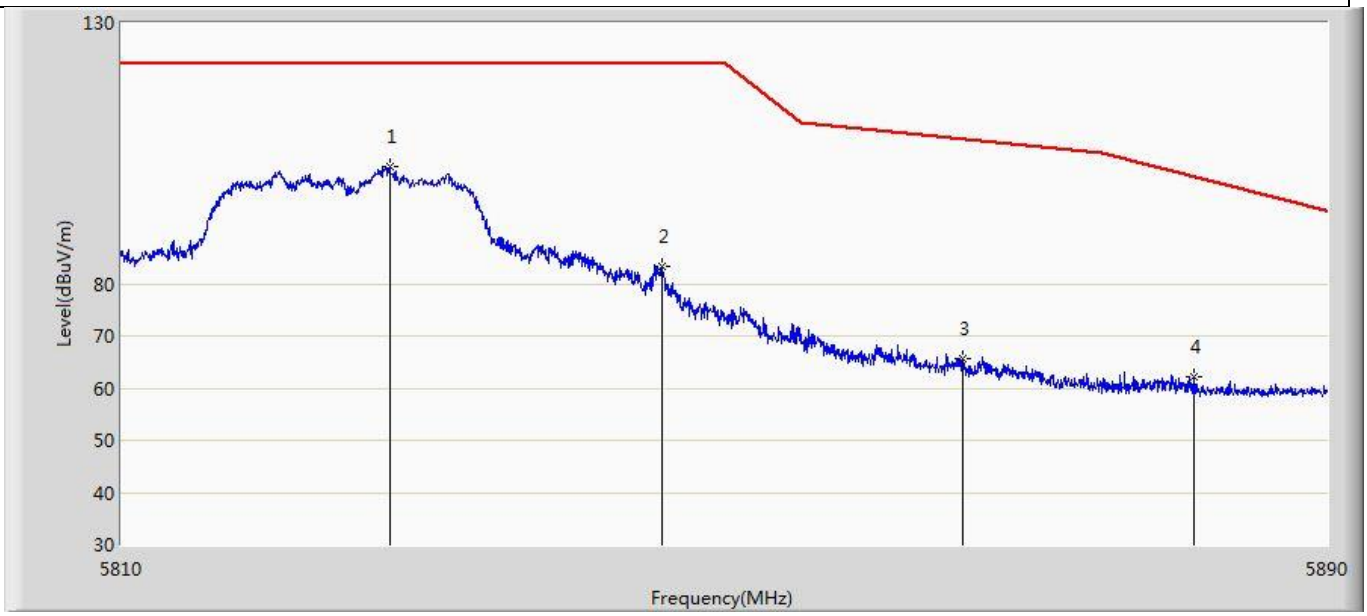
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5690.125	65.677	23.634	-32.241	97.918	42.043	PK
2		5706.525	66.876	24.823	-40.153	107.029	42.053	PK
3		5723.848	69.497	27.533	-50.078	119.574	41.963	PK
4	*	5787.705	106.866	64.807	-15.334	122.200	42.059	PK
5		5851.357	60.744	18.783	-58.361	119.105	41.961	PK
6		5868.475	59.424	17.392	-47.601	107.025	42.032	PK
7		5886.310	59.541	17.378	-37.262	96.803	42.163	PK

Profile: 2180545R	Page No.: 209
Engineer: Juliuszhou	
Site: AC5	Time: 2021/11/29 - 21:04
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5785MHz by 11ac20	



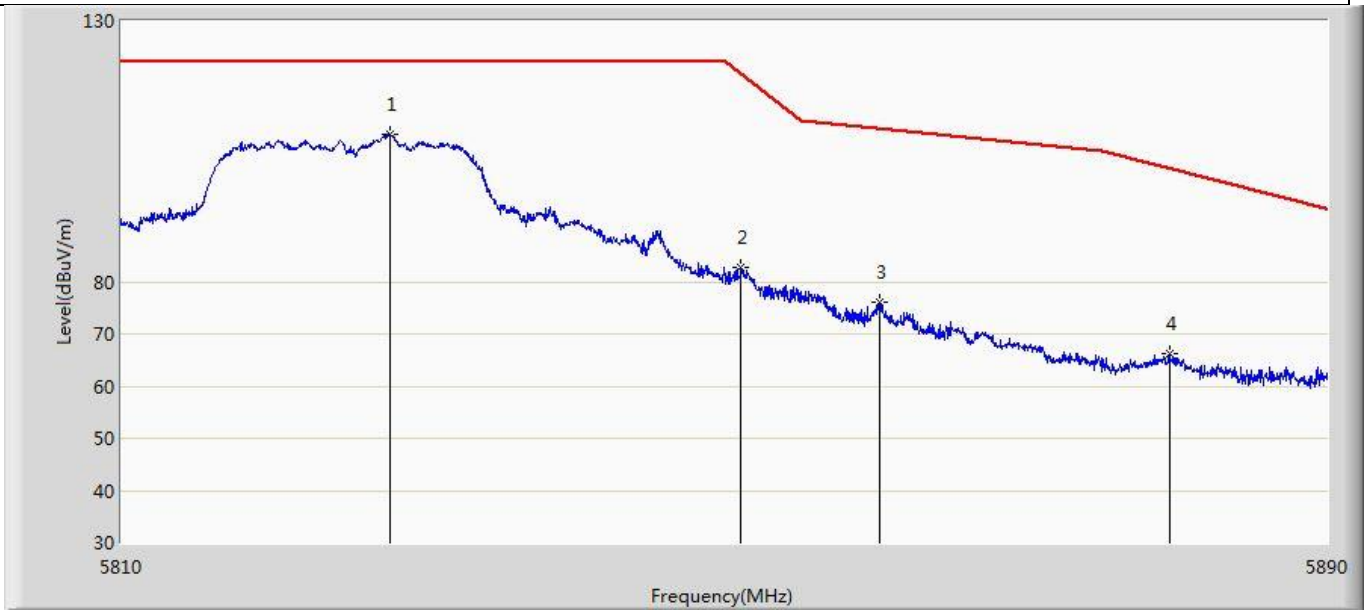
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5689.612	72.546	30.498	-24.994	97.540	42.048	PK
2		5706.730	74.568	32.514	-32.519	107.087	42.054	PK
3	*	5787.705	110.296	68.237	-11.904	122.200	42.059	PK
4		5851.973	63.301	21.338	-54.400	117.700	41.963	PK
5		5868.167	60.957	18.927	-46.154	107.111	42.031	PK
6		5886.618	58.871	16.705	-37.703	96.575	42.166	PK

Profile: 2180545R	Page No.: 5
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 23:21
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5805MHz by 11ac20 SISO	



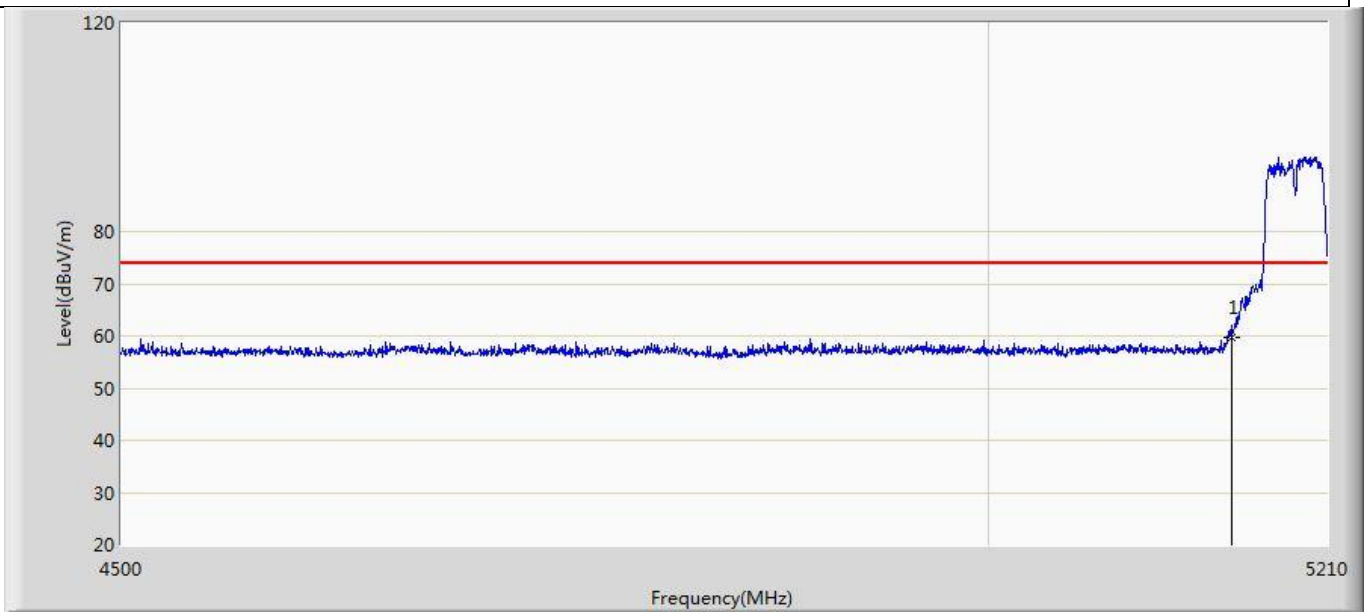
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.720	102.353	60.358	-19.847	122.200	41.996	PK
2		5845.800	83.331	41.388	-38.869	122.200	41.943	PK
3		5865.680	65.637	23.621	-42.170	107.807	42.016	PK
4		5881.160	62.167	20.054	-38.457	100.625	42.114	PK

Profile: 2180545R	Page No.: 6
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 23:24
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Vertical
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 1:Transmit at 5805MHz by 11ac20 SISO	



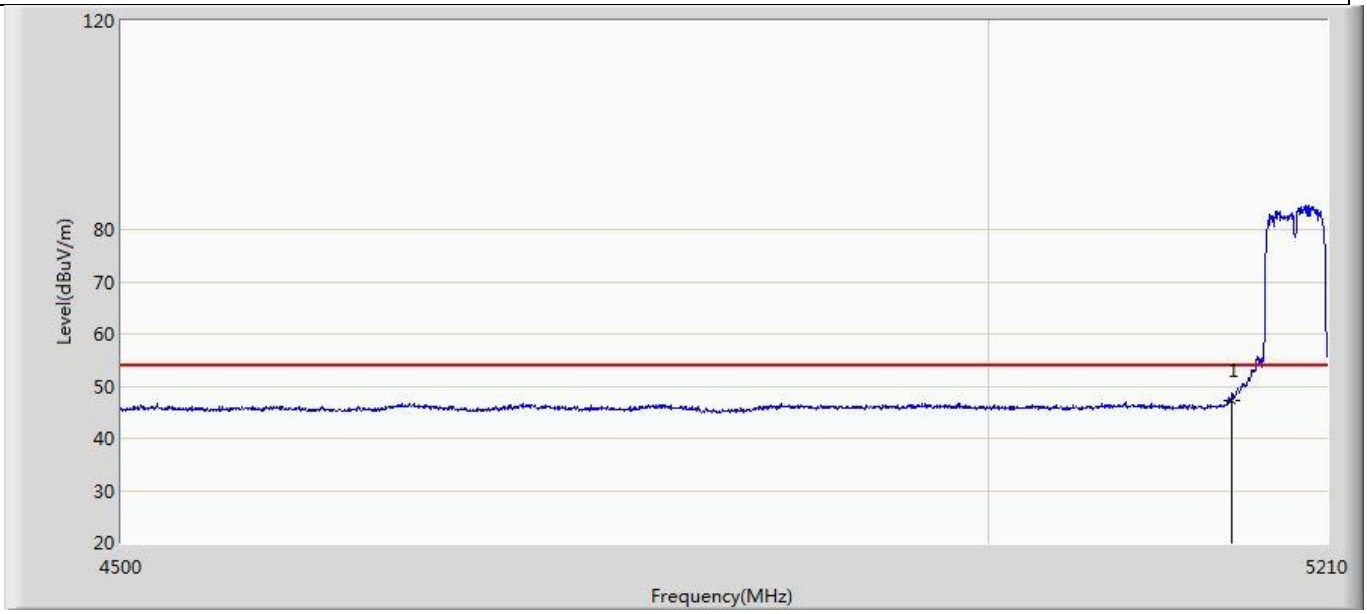
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.760	108.350	66.355	-13.850	122.200	41.996	PK
2		5851.000	82.618	40.658	-37.302	119.919	41.960	PK
3		5860.160	76.147	34.158	-33.206	109.353	41.989	PK
4		5879.480	66.185	24.088	-35.687	101.872	42.097	PK

Profile: 2180545R	Page No.: 9
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 2:Transmit at 5190MHz by 11ac40 SISO	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	59.678	18.470	-14.322	74.000	41.208	PK

Profile: 2180545R	Page No.: 10
Engineer: Nile	
Site: AC5	Time: 2021/11/25 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988_(1-18GHz)	Polarity: Horizontal
EUT: LPS (LOCAL POSITIONING SYSTEM)	Power: DC3.3V
Note: Mode 2:Transmit at 5190MHz by 11ac40 SISO	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	47.120	5.912	-6.880	54.000	41.208	AV