

Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/02/17	Test Site	SR10-H

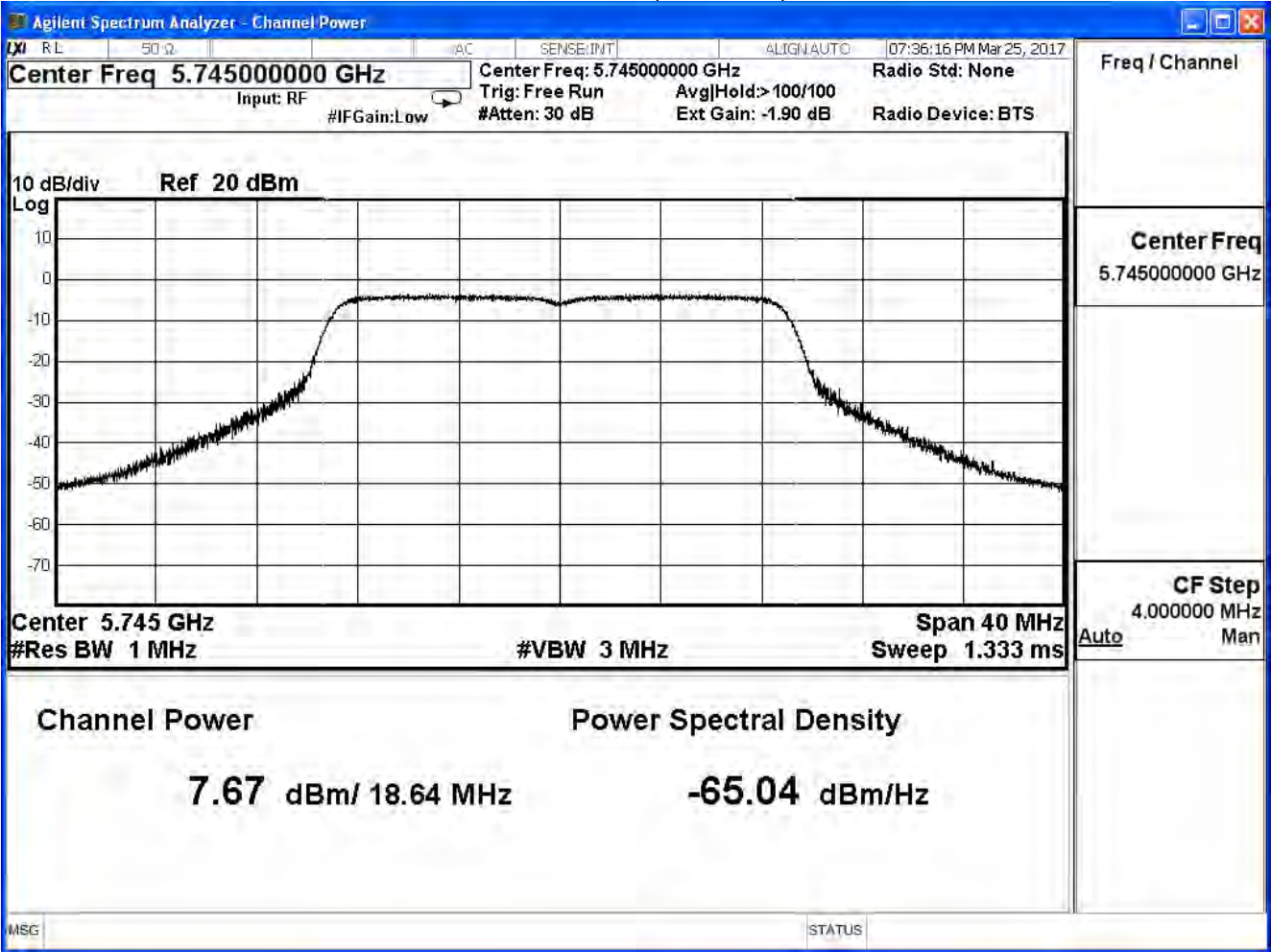
IEEE 802.11n (20M) (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	7.67	≤ 26.22
157	5785	5.54	≤ 26.22
165	5825	3.73	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
149	5745	7.670	--	--	--	--	--	--	--	≤ 26.22
157	5785	5.540	5.524	5.509	5.493	5.477	5.461	5.446	5.430	≤ 26.22
165	5825	3.730	--	--	--	--	--	--	--	≤ 26.22

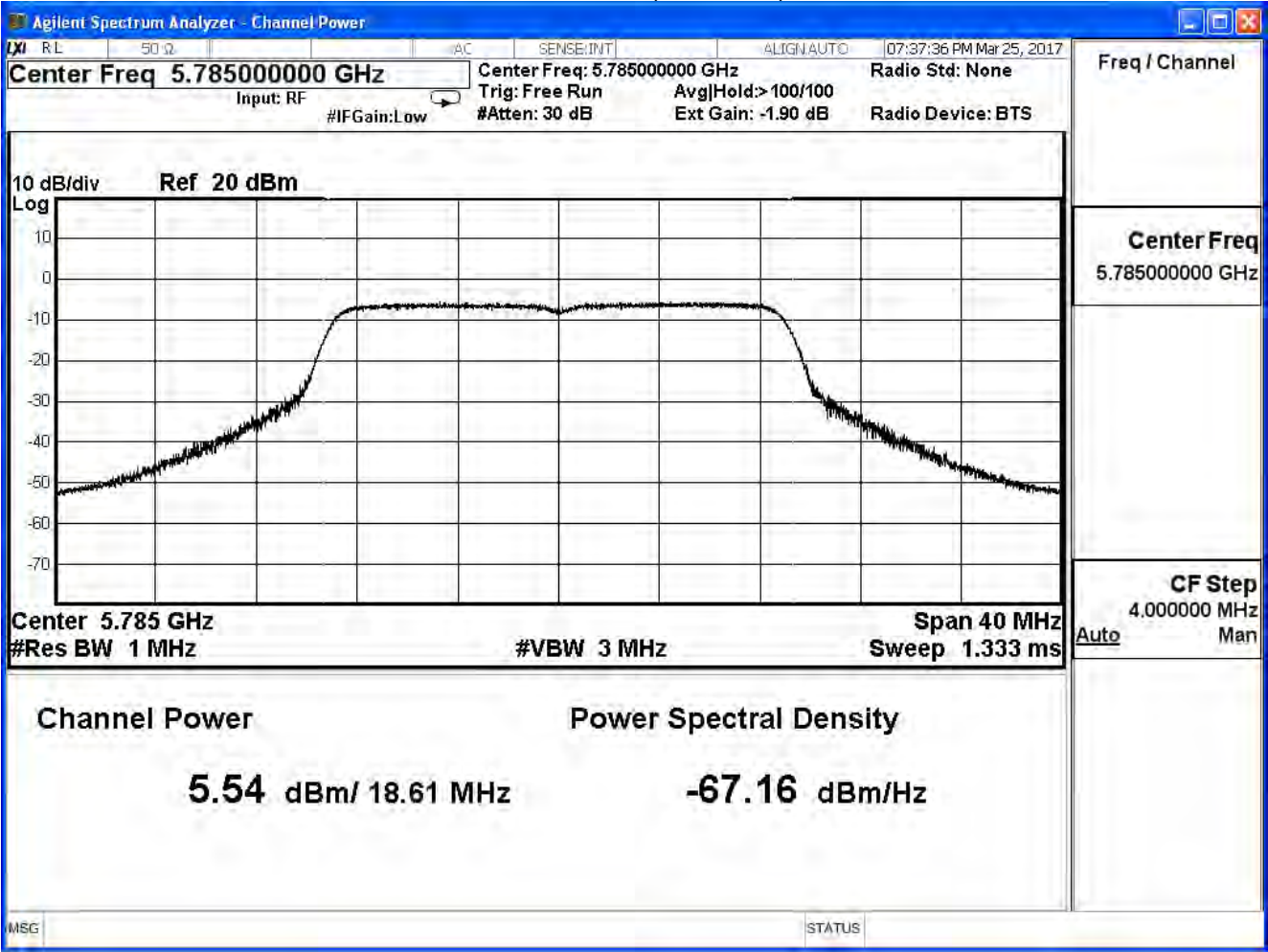
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

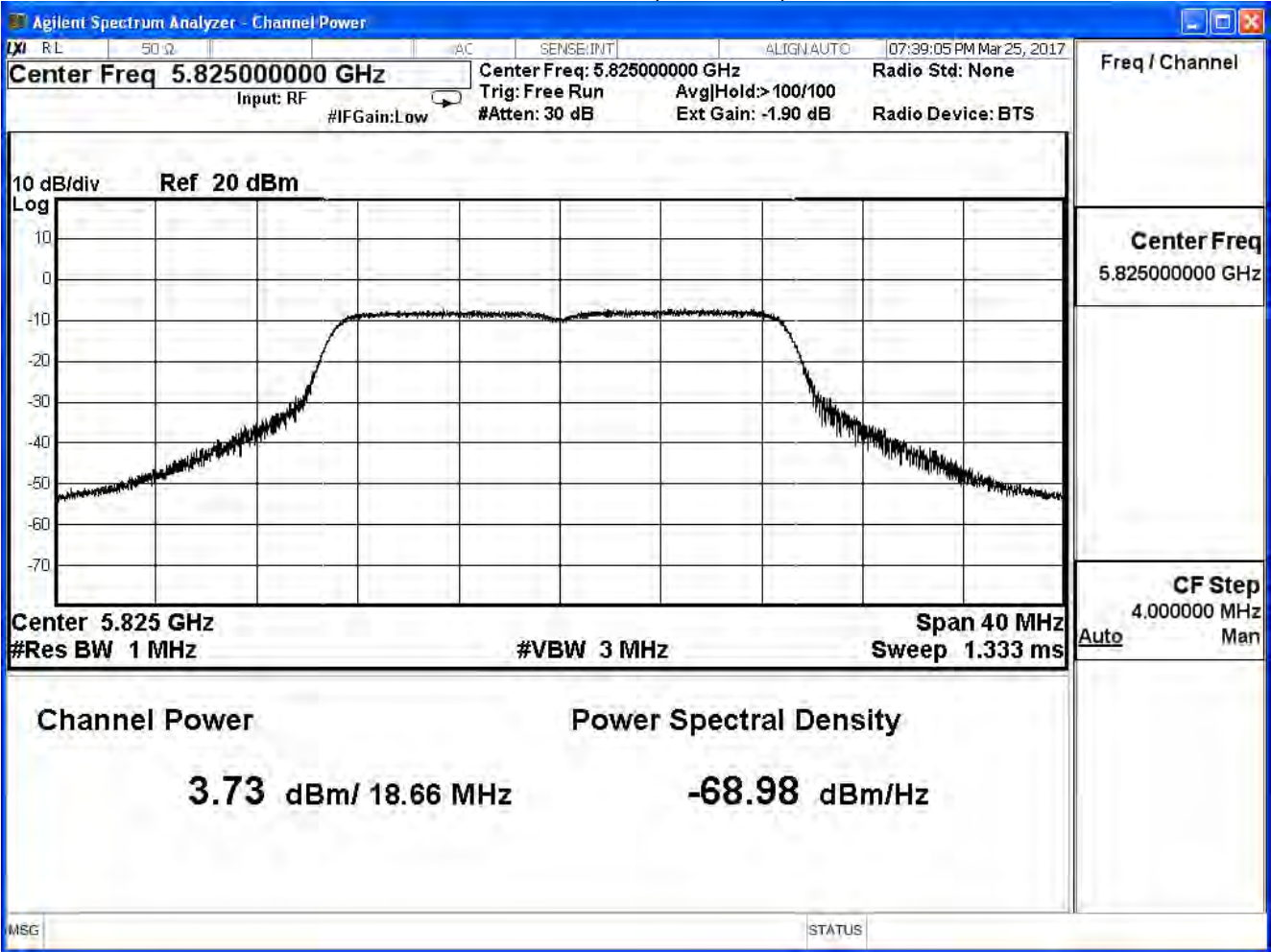
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

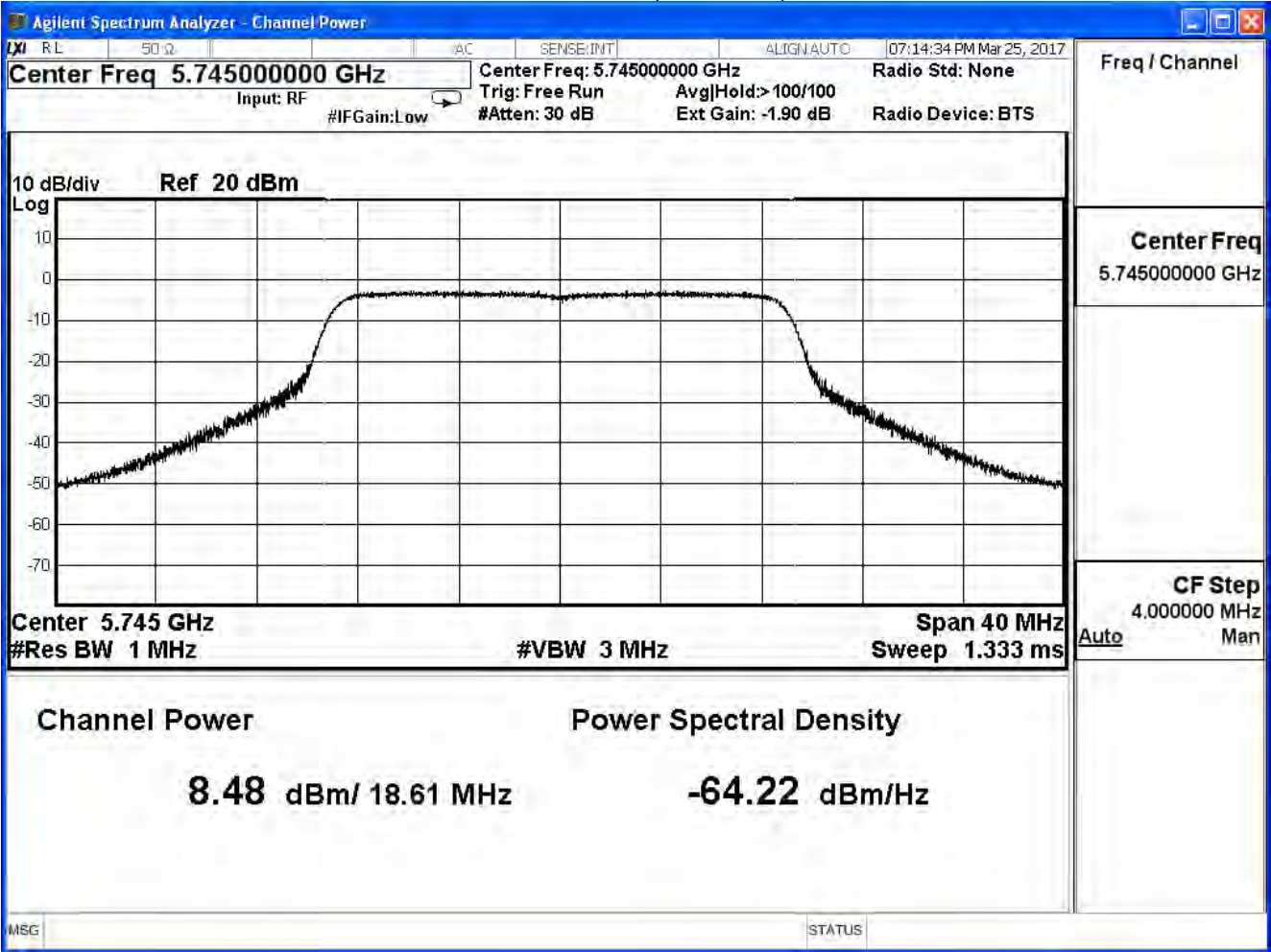
IEEE 802.11n (20M) (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	8.48	≤ 26.22
157	5785	6.04	≤ 26.22
165	5825	3.75	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
149	5745	8.480	--	--	--	--	--	--	--	≤ 26.22
157	5785	6.040	5.969	5.897	5.826	5.754	5.683	5.611	5.54	≤ 26.22
165	5825	3.750	--	--	--	--	--	--	--	≤ 26.22

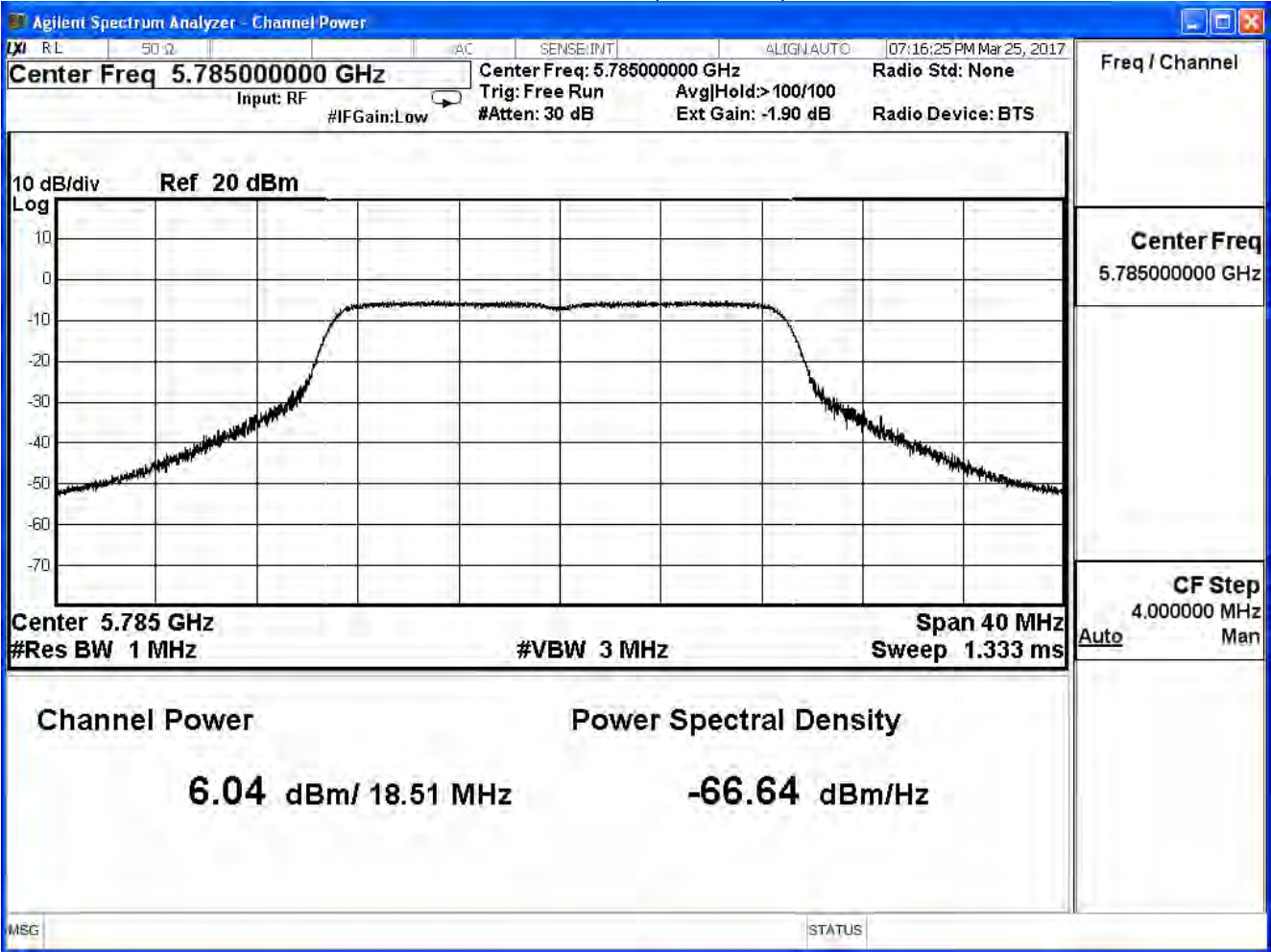
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

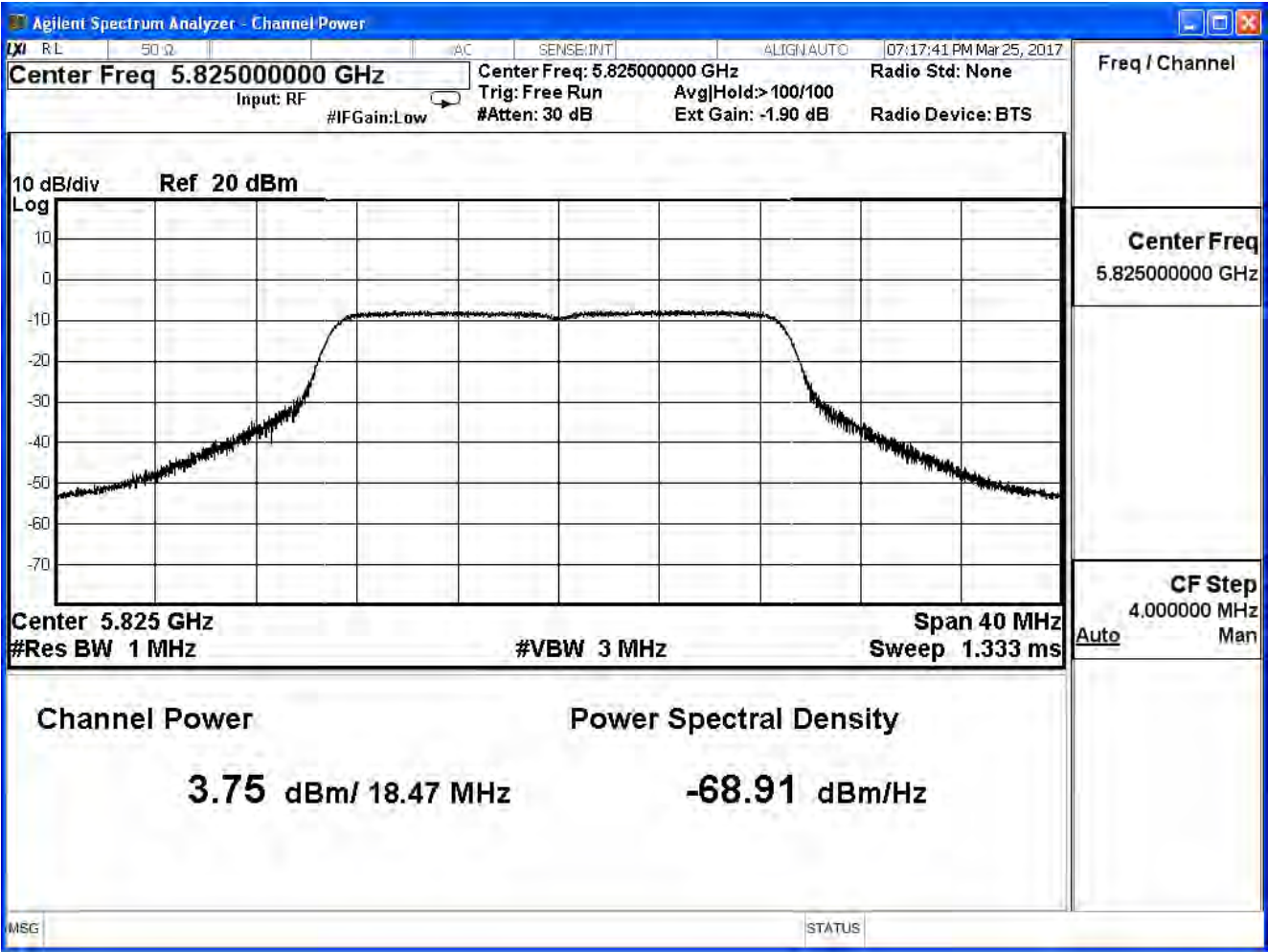
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

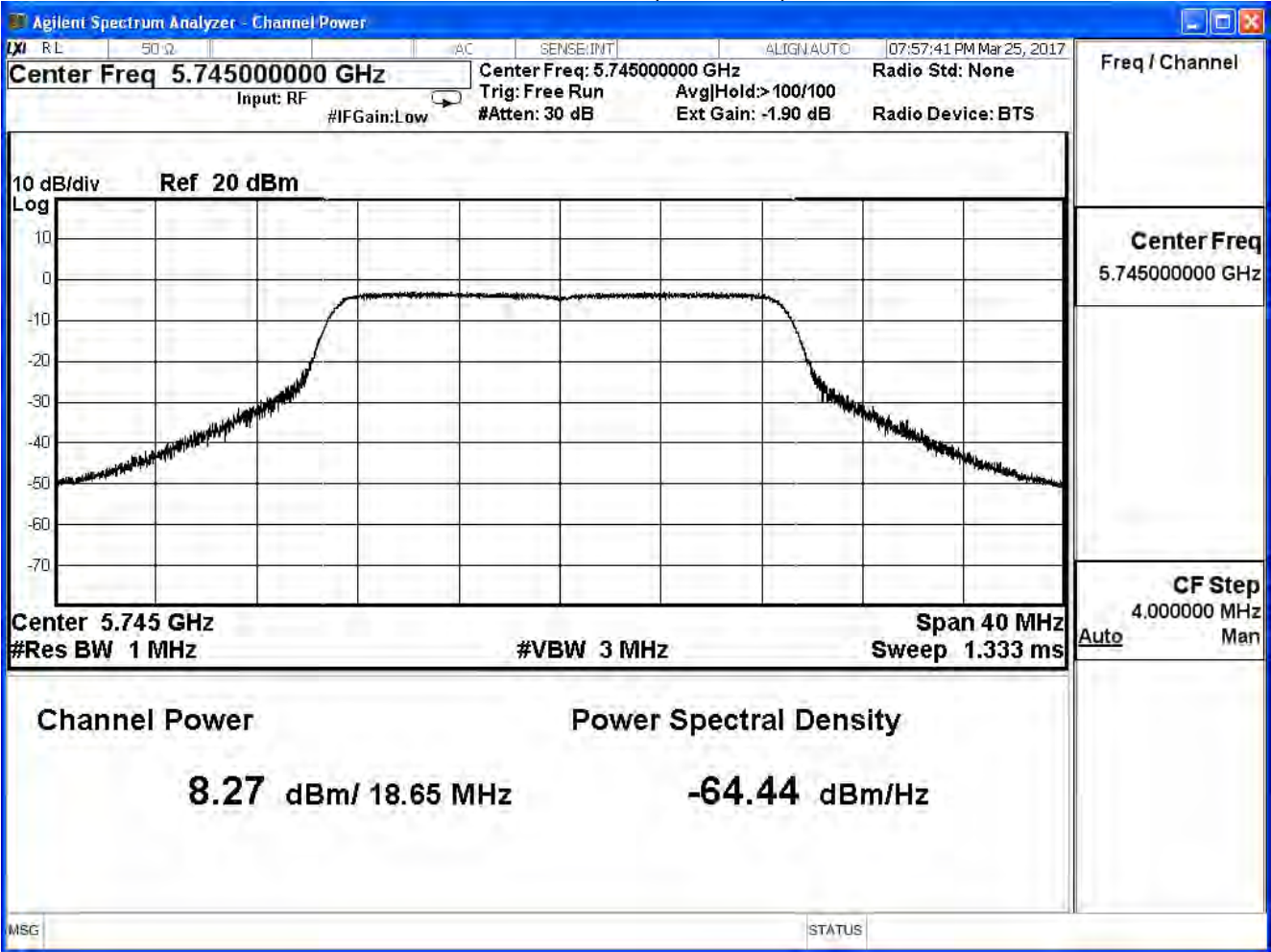
IEEE 802.11n (20M) (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	8.27	≤ 26.22
157	5785	6.16	≤ 26.22
165	5825	4.44	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
149	5745	8.270	--	--	--	--	--	--	--	≤ 26.22
157	5785	6.160	6.130	6.100	6.070	6.040	6.010	5.980	5.950	≤ 26.22
165	5825	4.440	--	--	--	--	--	--	--	≤ 26.22

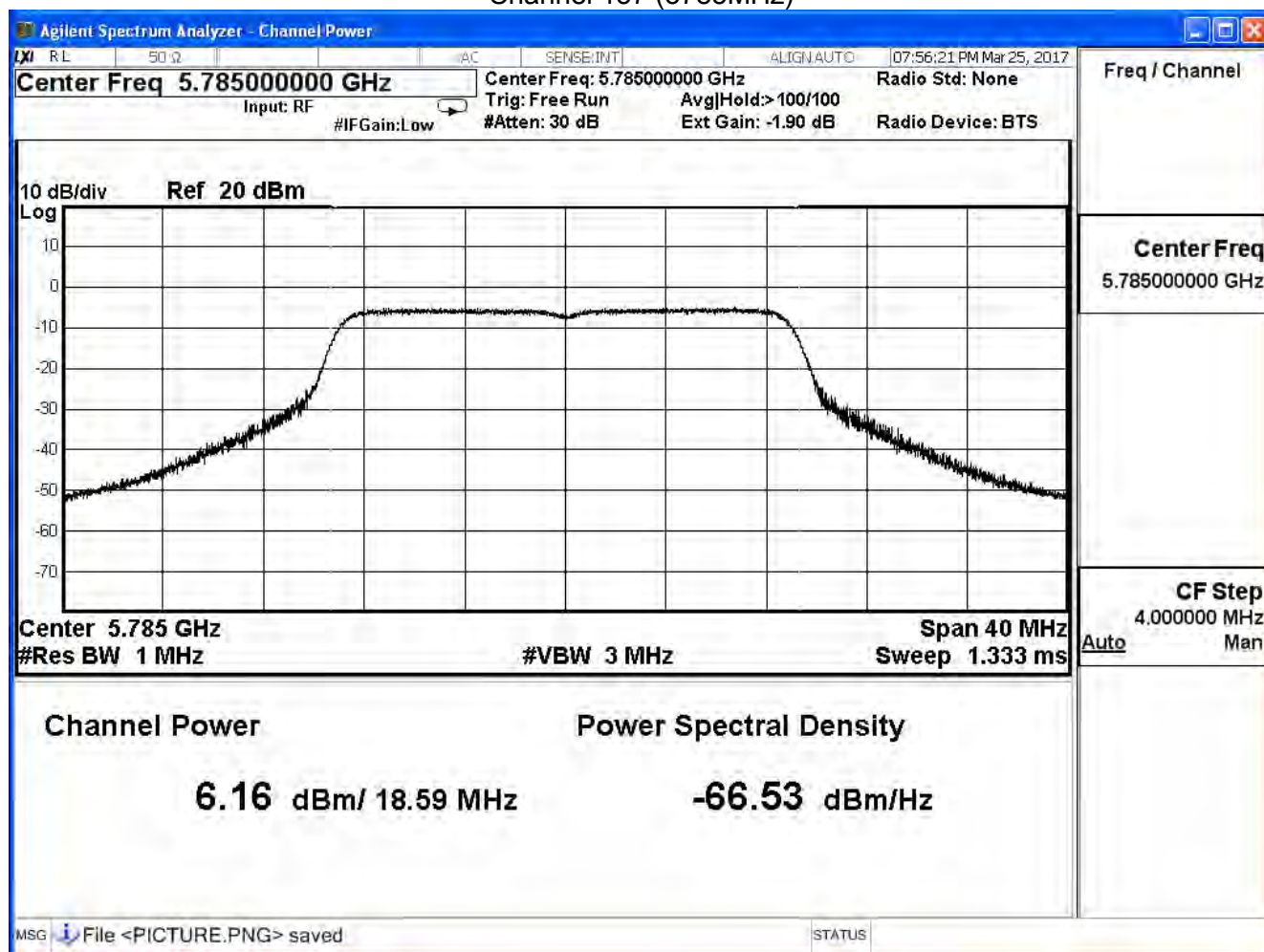
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

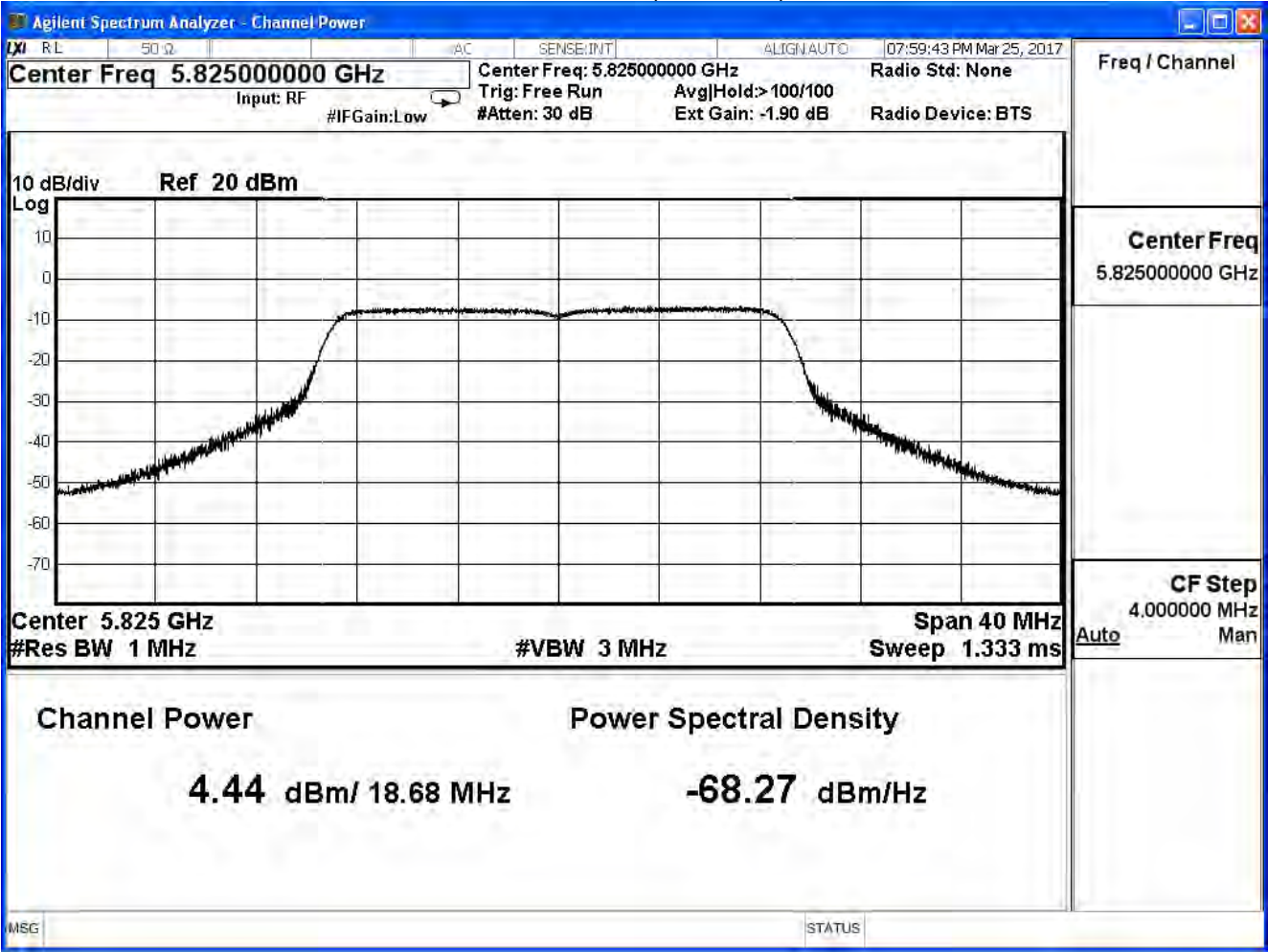
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

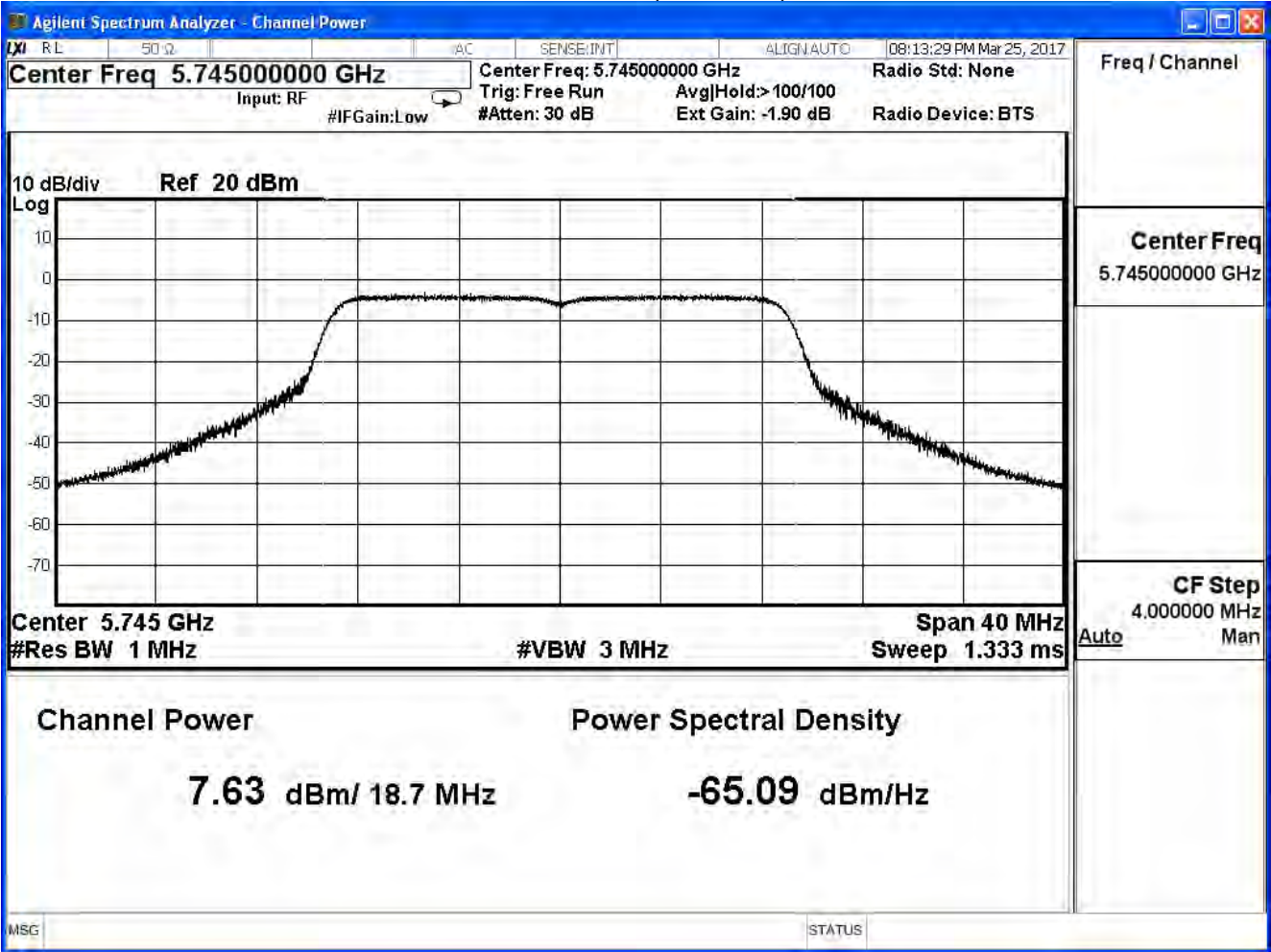
IEEE 802.11n (20M) (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	7.63	≤ 26.22
157	5785	6.15	≤ 26.22
165	5825	4.29	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
149	5745	7.630	--	--	--	--	--	--	--	≤ 26.22
157	5785	6.150	6.089	6.027	5.966	5.904	5.843	5.781	5.720	≤ 26.22
165	5825	4.290	--	--	--	--	--	--	--	≤ 26.22

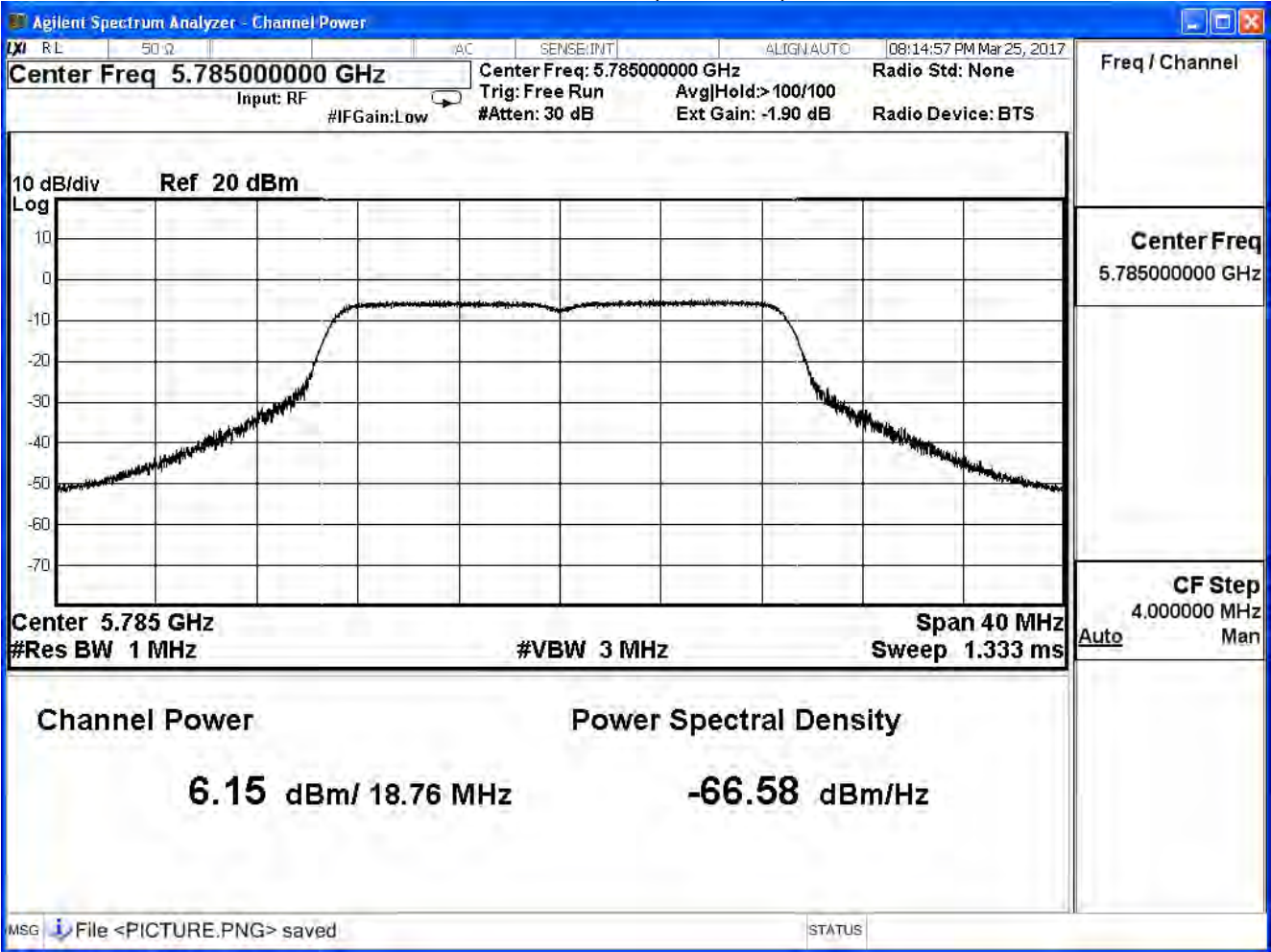
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

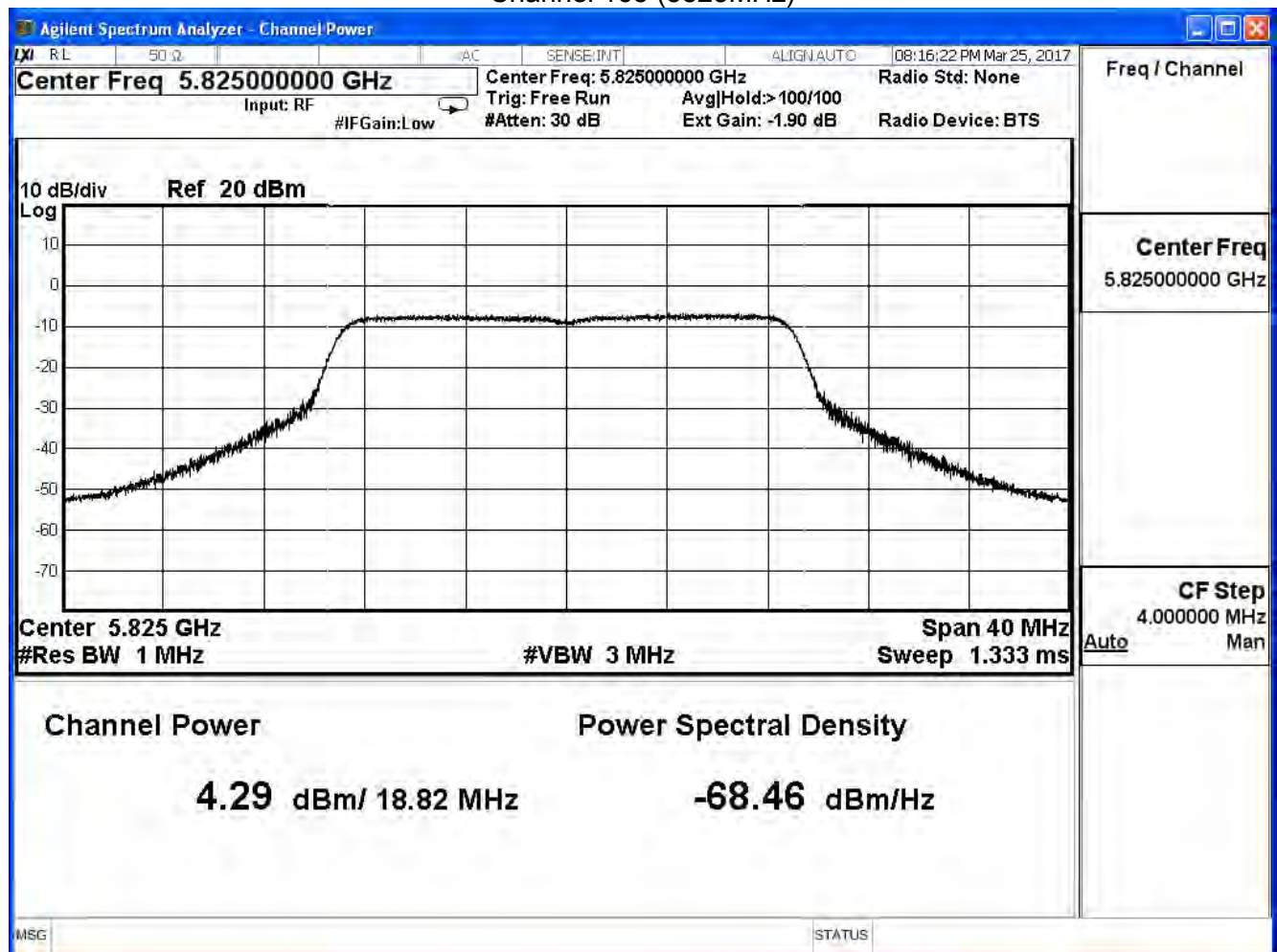
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

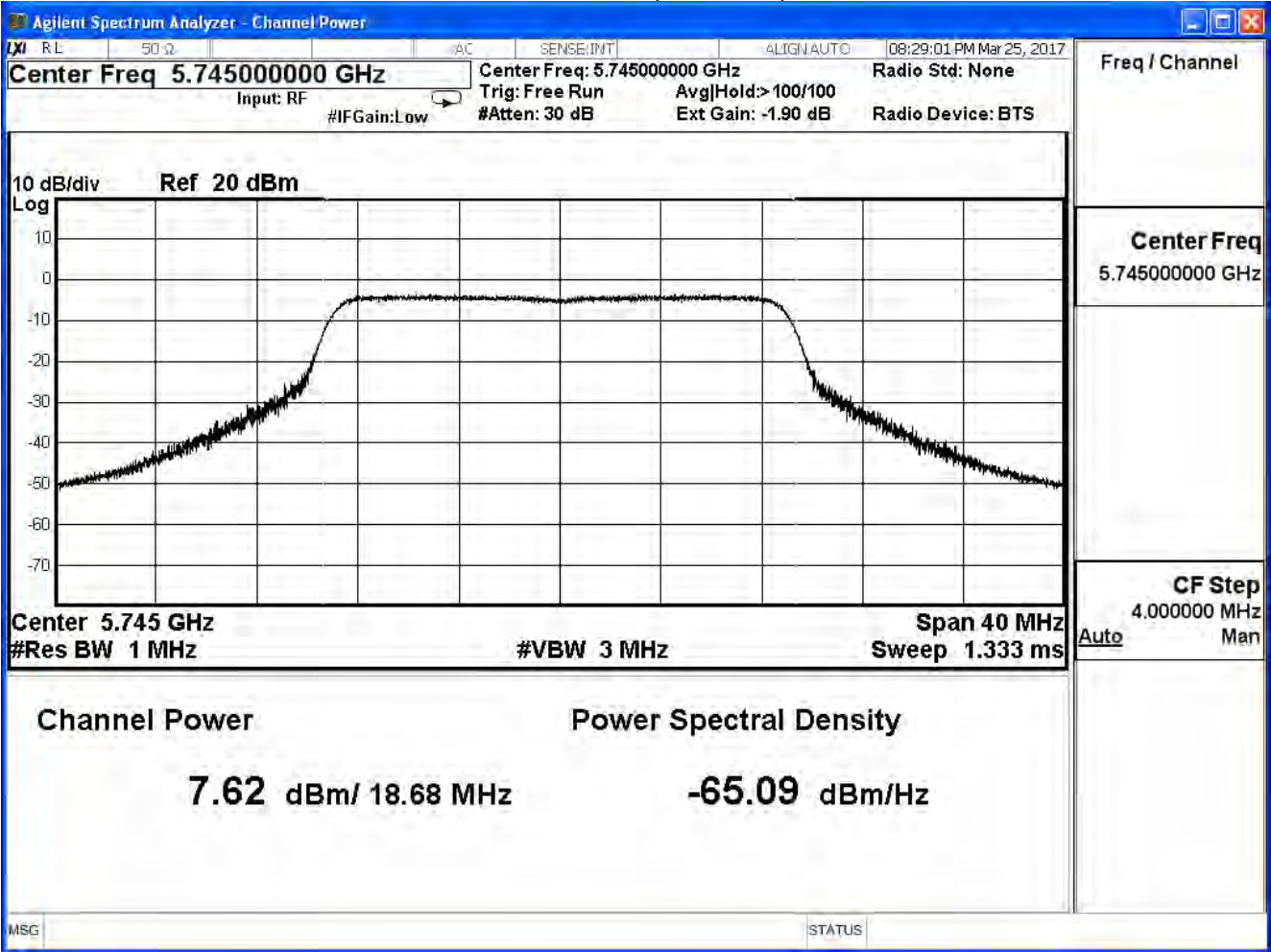
IEEE 802.11n (20M) (ANT 4)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	7.62	≤ 26.22
157	5785	5.82	≤ 26.22
165	5825	5.55	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
149	5745	7.620	--	--	--	--	--	--	--	≤ 26.22
157	5785	5.820	5.761	5.703	5.644	5.586	5.527	5.469	5.410	≤ 26.22
165	5825	5.550	--	--	--	--	--	--	--	≤ 26.22

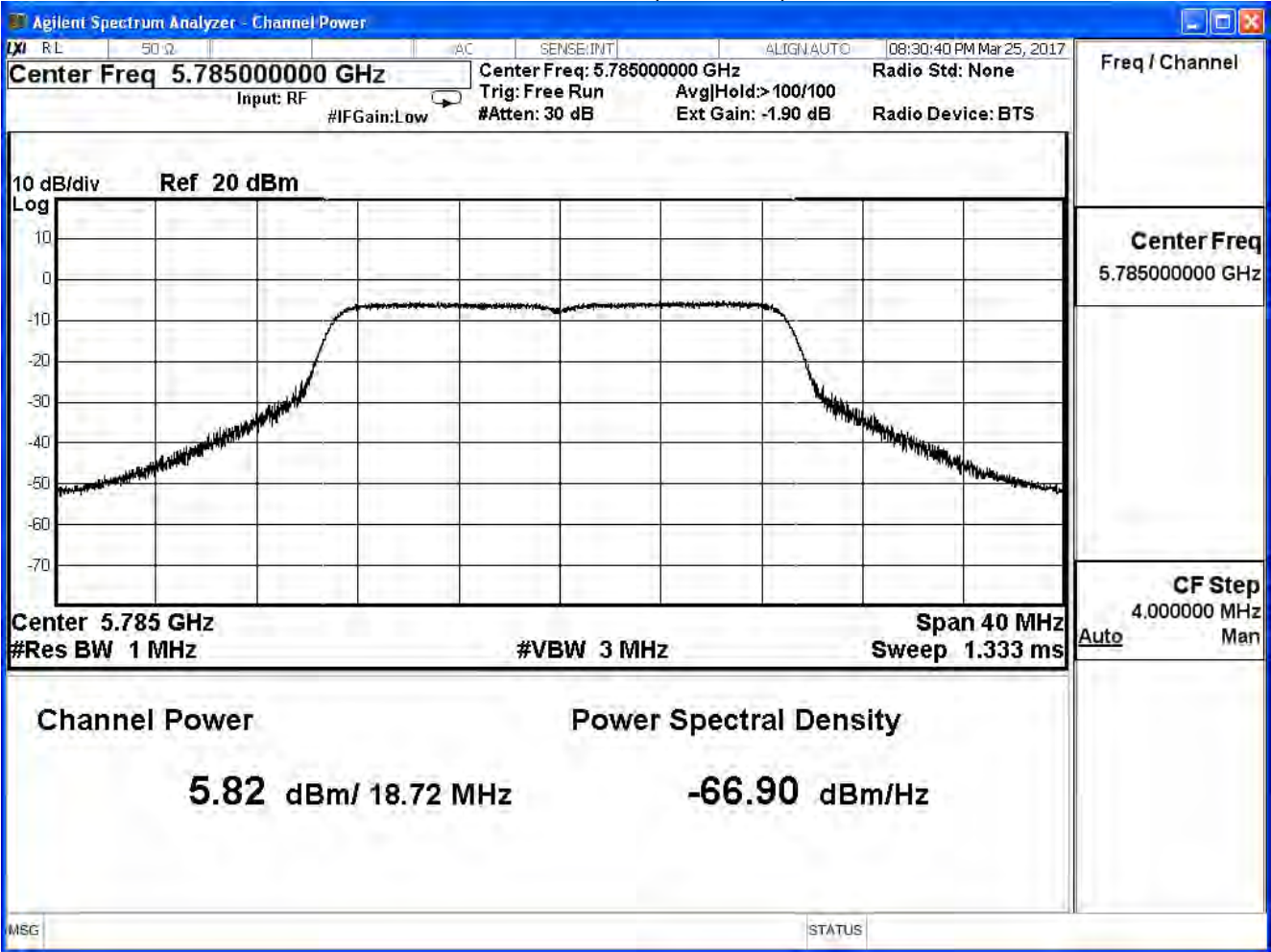
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

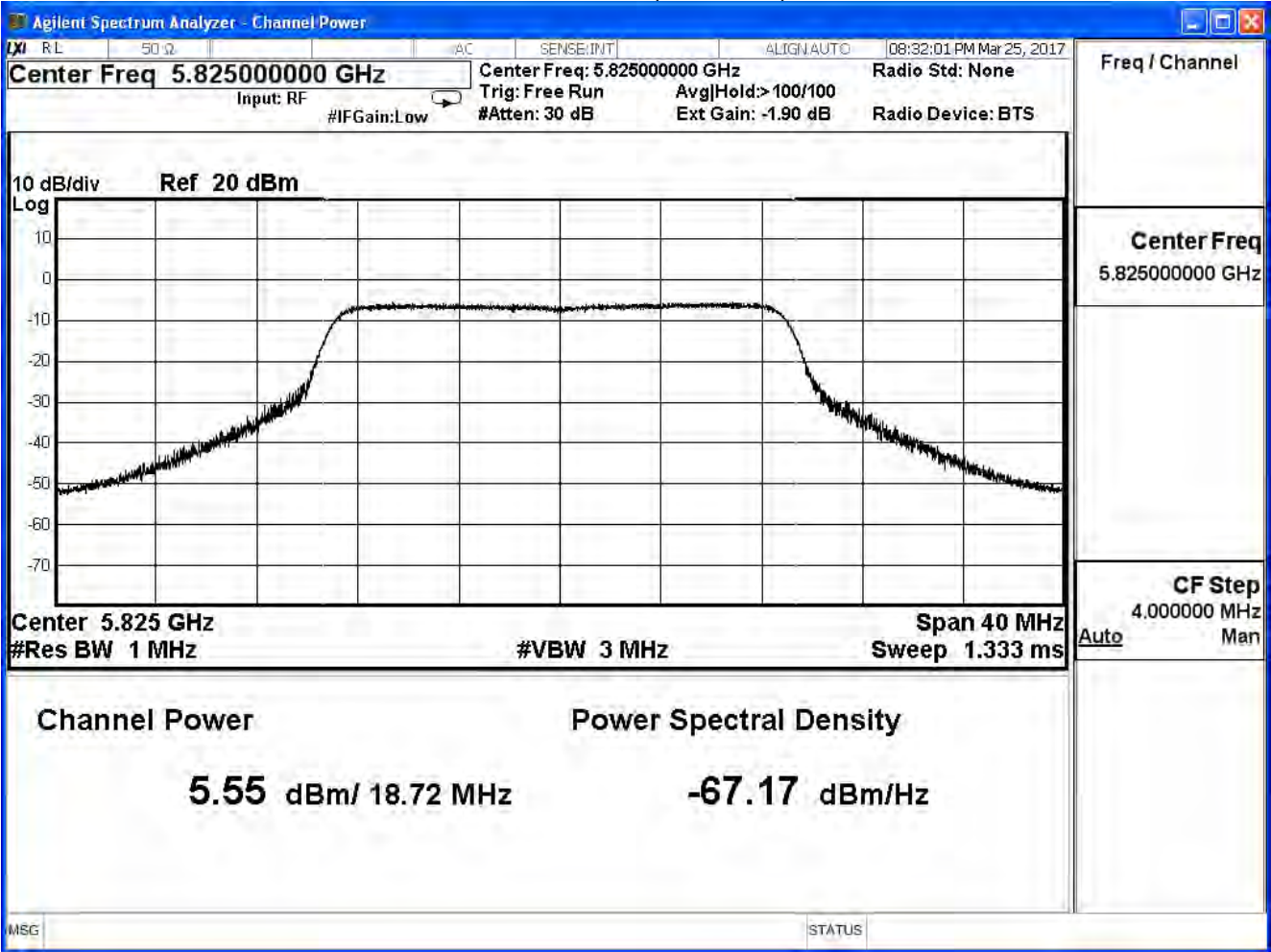
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

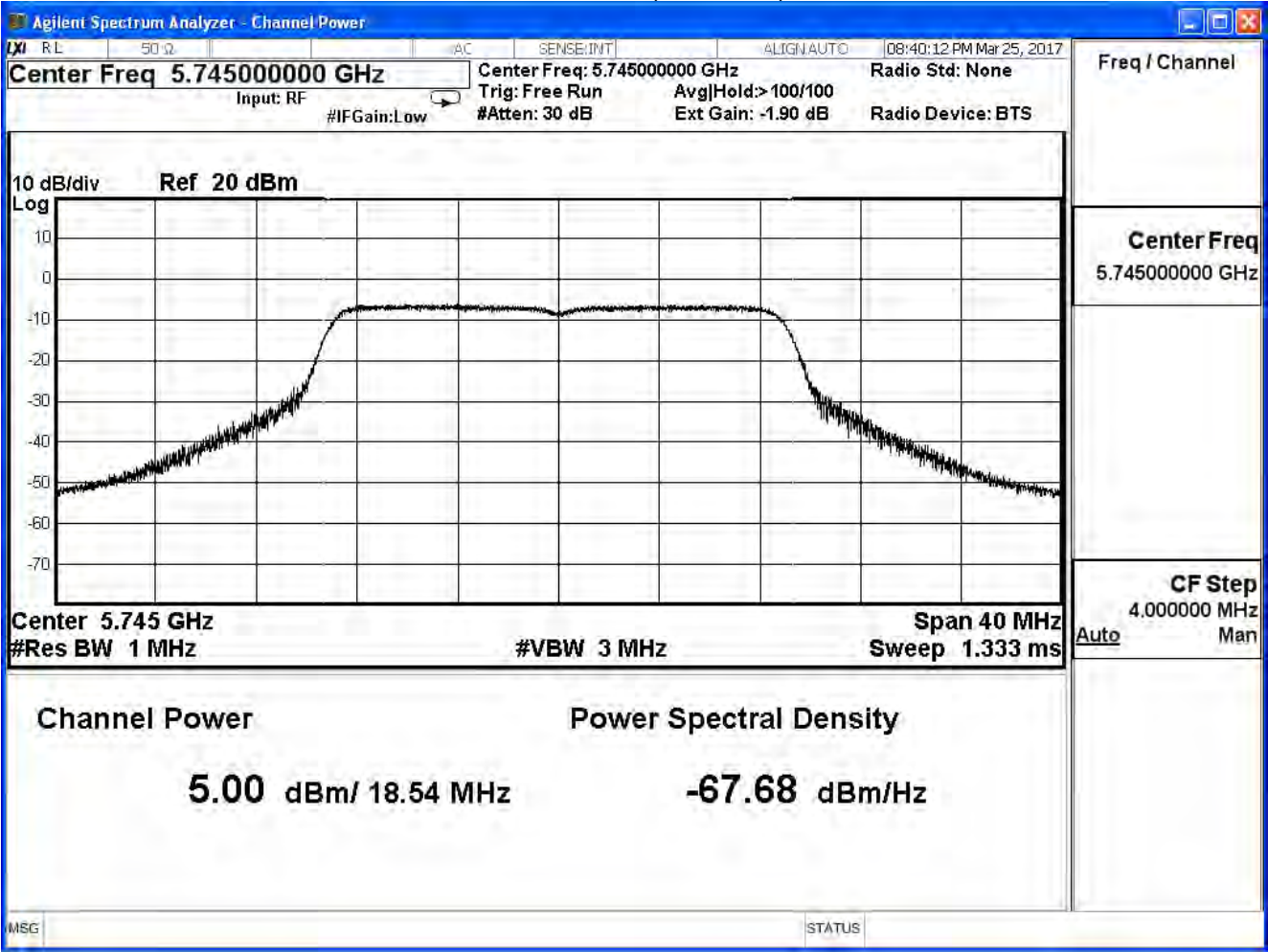
IEEE 802.11n (20M) (ANT 5)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	5.000	≤ 26.22
157	5785	3.400	≤ 26.22
165	5825	1.300	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
149	5745	5.000	--	--	--	--	--	--	--	≤ 26.22
157	5785	3.400	3.374	3.349	3.323	3.297	3.271	3.246	3.220	≤ 26.22
165	5825	1.300	--	--	--	--	--	--	--	≤ 26.22

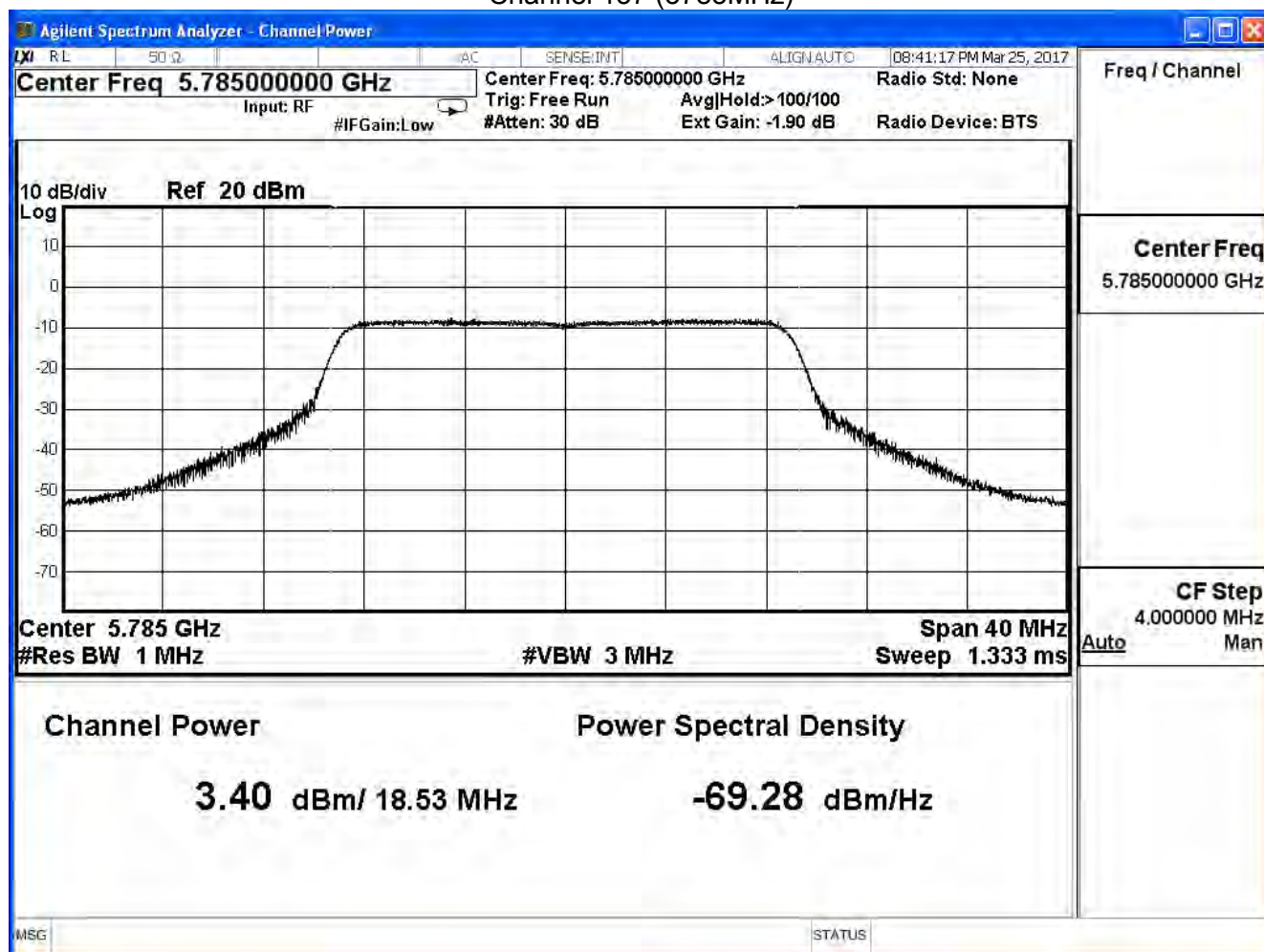
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

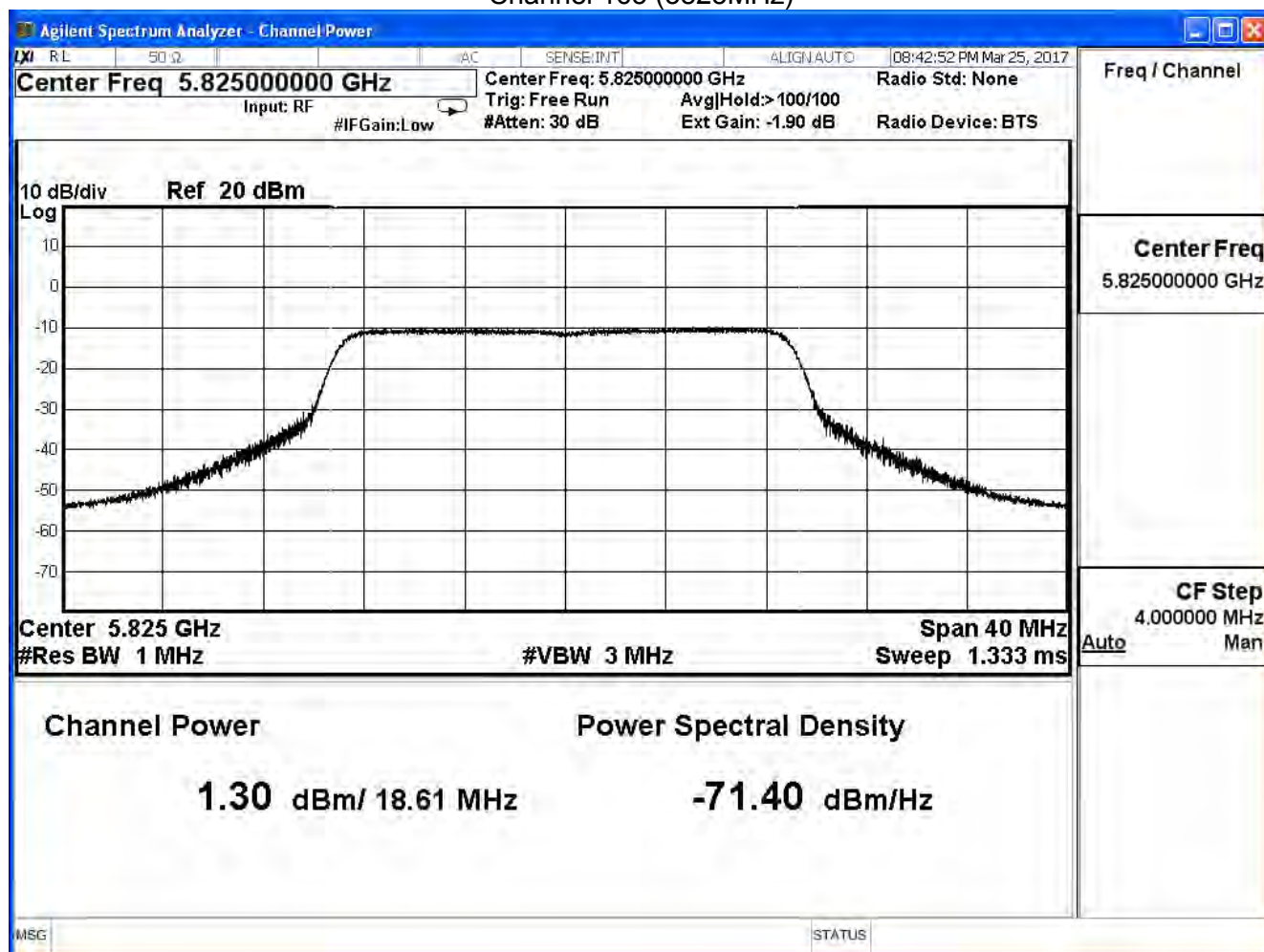
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n (20M) (ANT0+1+2+3+4+5)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
149	5745	15.359	≤ 26.22
157	5785	13.396	≤ 26.22
165	5825	11.800	≤ 26.22

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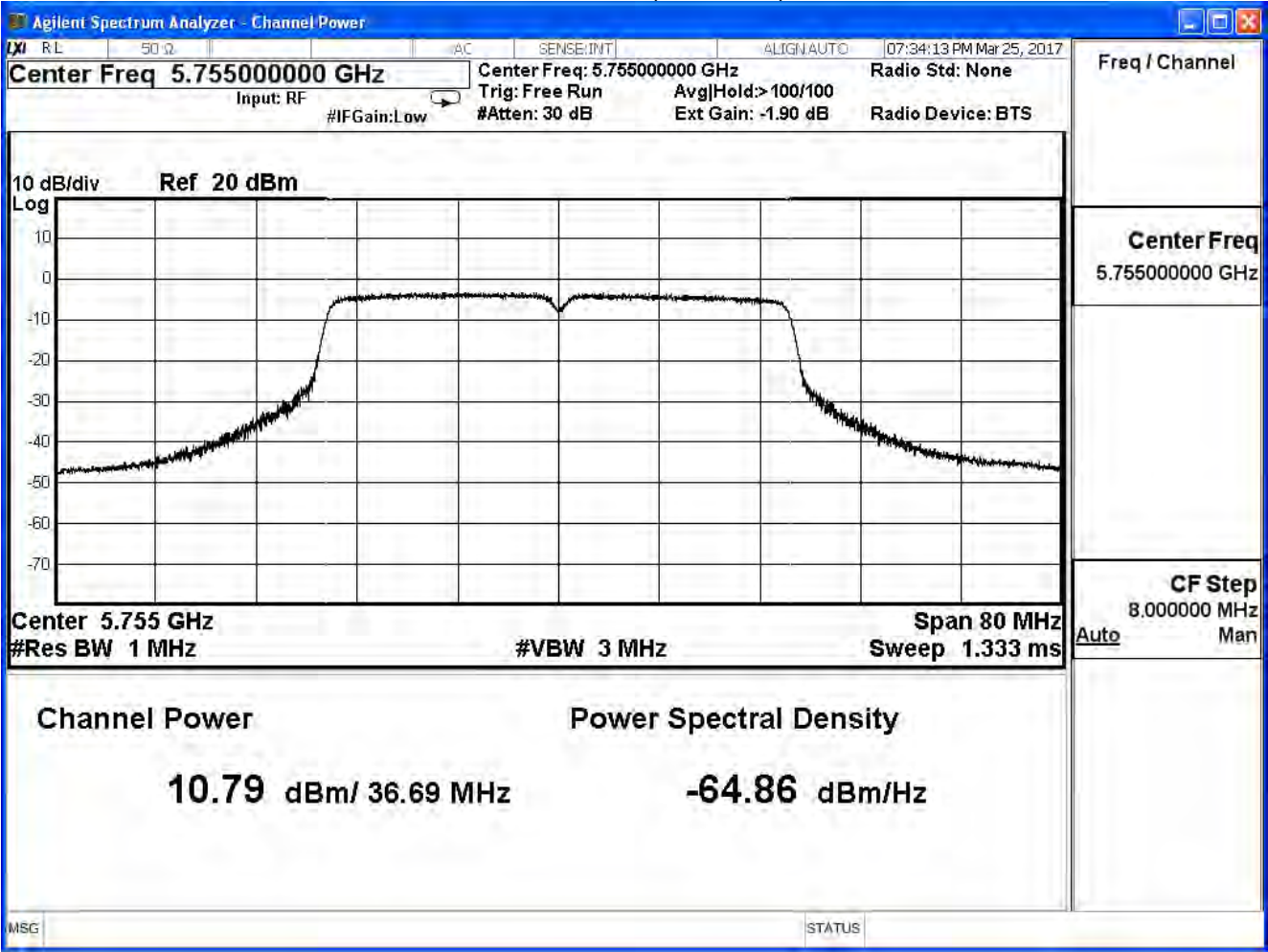
IEEE 802.11n 40M (ANT 0)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	10.790	≤ 26.22
159	5795	6.540	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
151	5755	10.790	--	--	--	--	--	--	--	≤ 26.22
159	5795	6.540	6.521	6.503	6.484	6.466	6.447	6.429	6.410	≤ 26.22

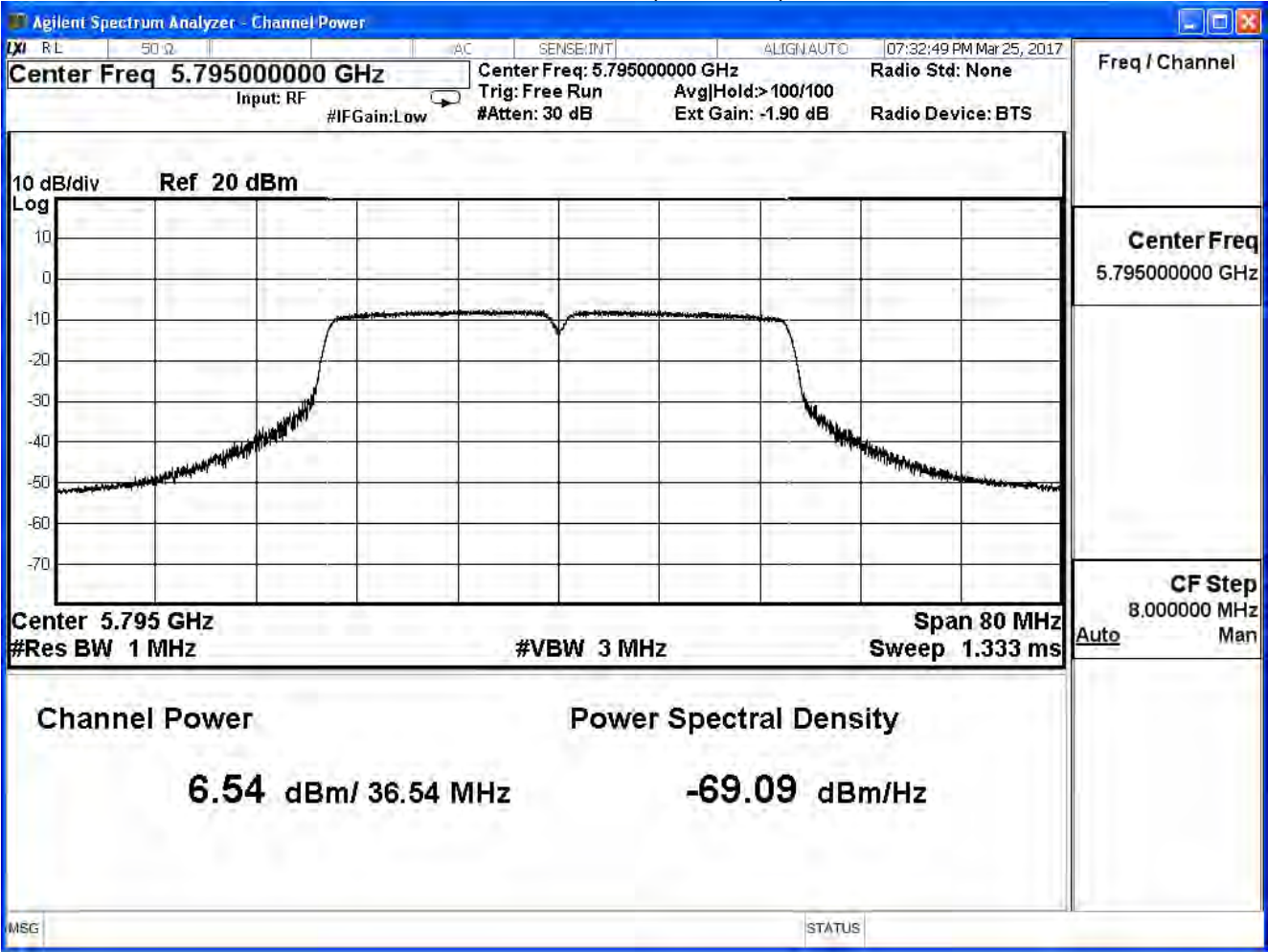
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

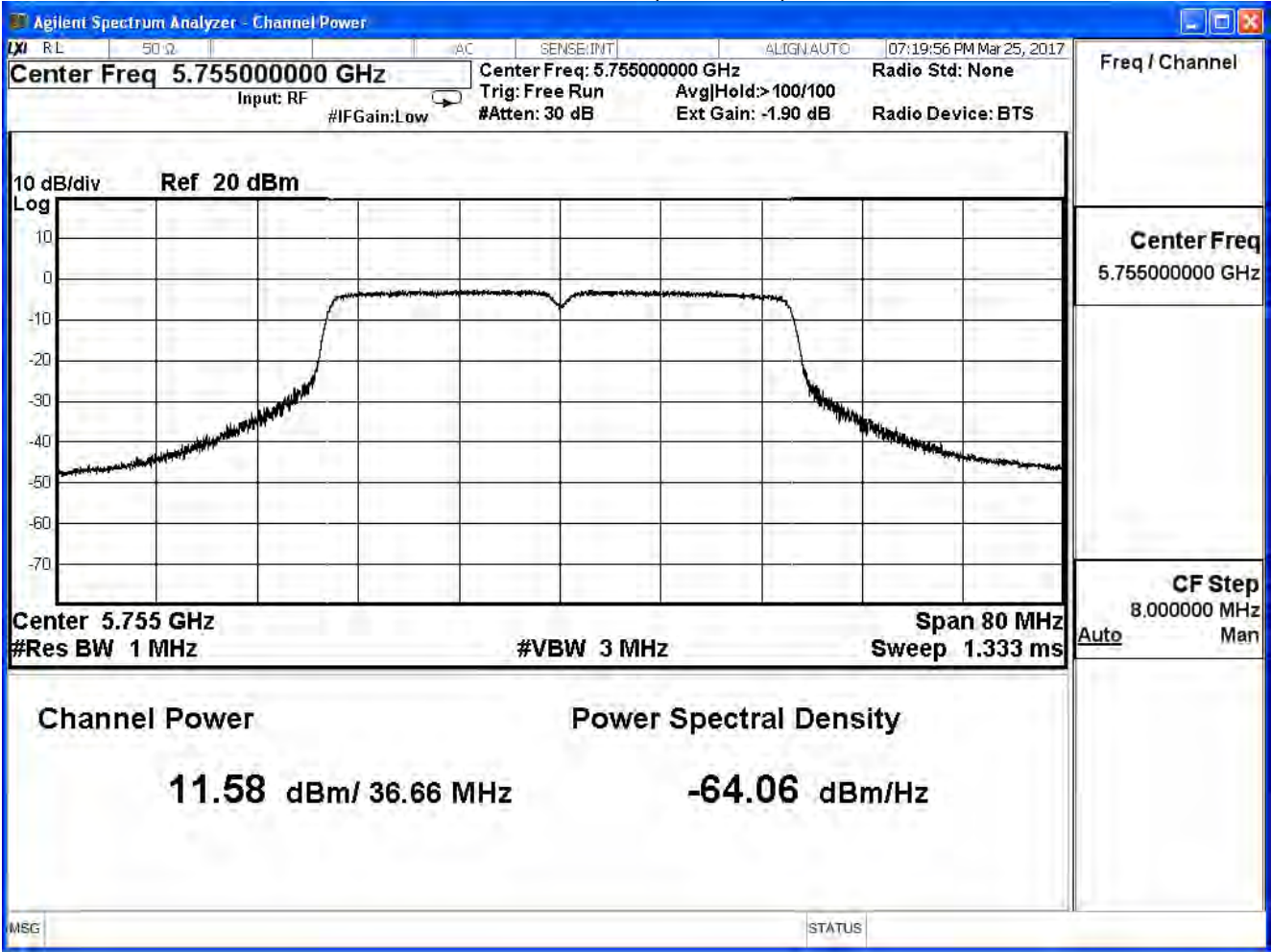
IEEE 802.11n 40M (ANT 1)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	11.580	≤ 26.22
159	5795	7.060	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
151	5755	11.580	--	--	--	--	--	--	--	≤ 26.22
159	5795	7.060	6.961	6.863	6.764	6.666	6.567	6.469	6.370	≤ 26.22

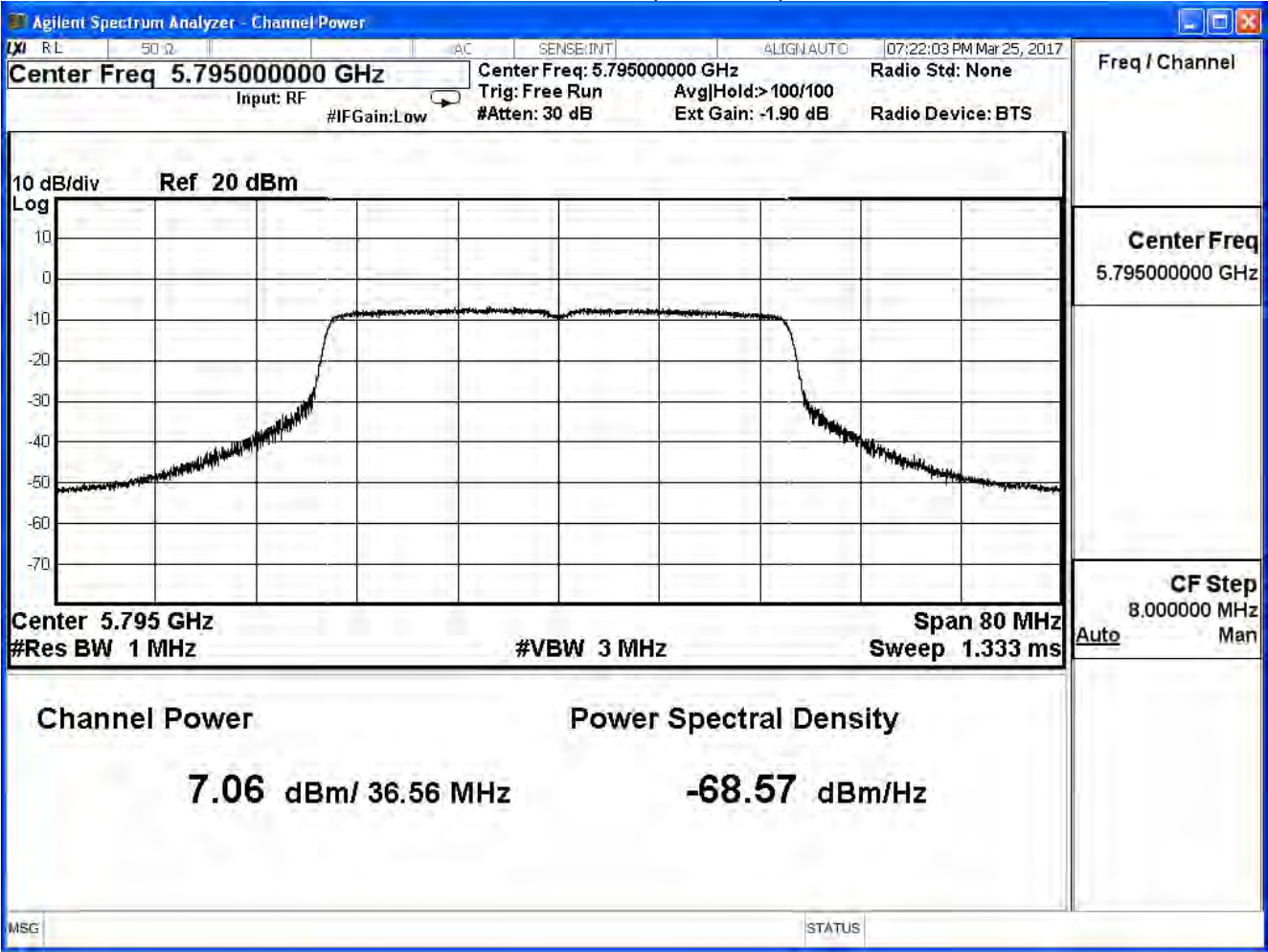
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 7.78 + 2 = 9.78$

Limit = $30\text{dBm} - (9.78\text{dBi} - 6\text{dBi}) = 26.22\text{dBm}$

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

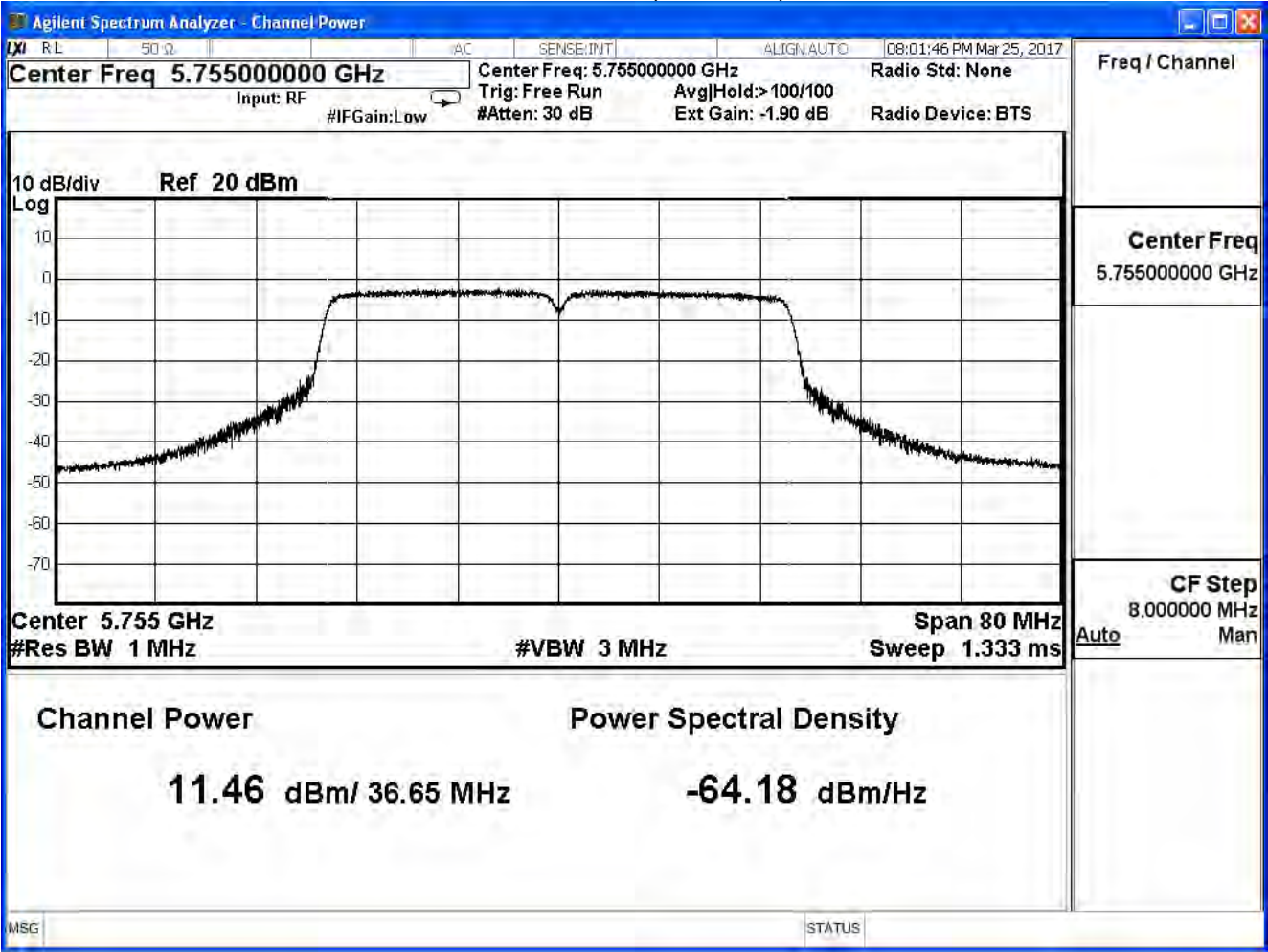
IEEE 802.11n 40M (ANT 2)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	11.46	≤ 26.22
159	5795	6.44	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
151	5755	11.460	--	--	--	--	--	--	--	≤ 26.22
159	5795	6.440	6.417	6.394	6.371	6.349	6.326	6.303	6.280	≤ 26.22

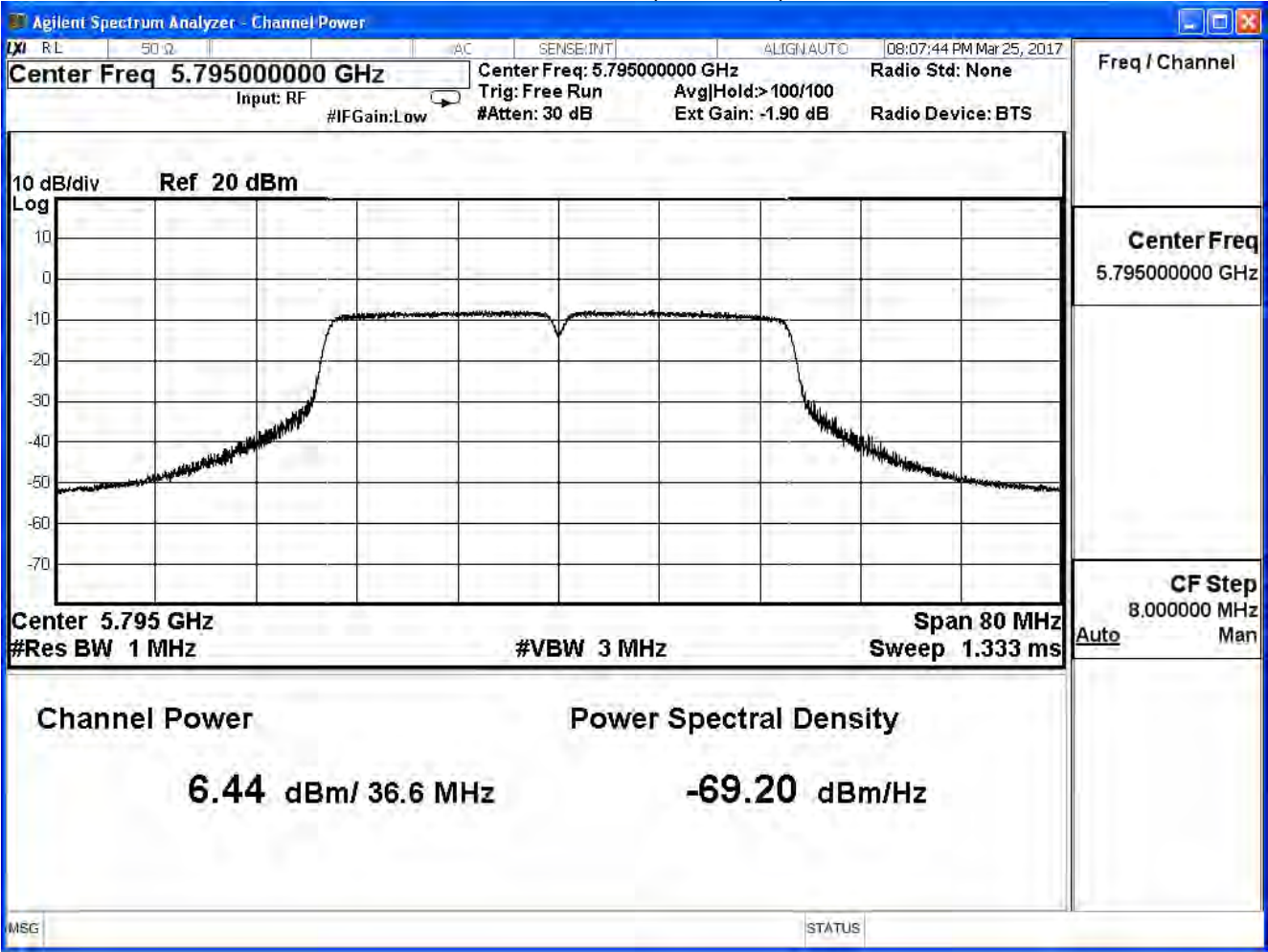
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 7.78 + 2 = 9.78$

Limit = $30\text{dBm} - (9.78\text{dBi} - 6\text{dBi}) = 26.22\text{dBm}$

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

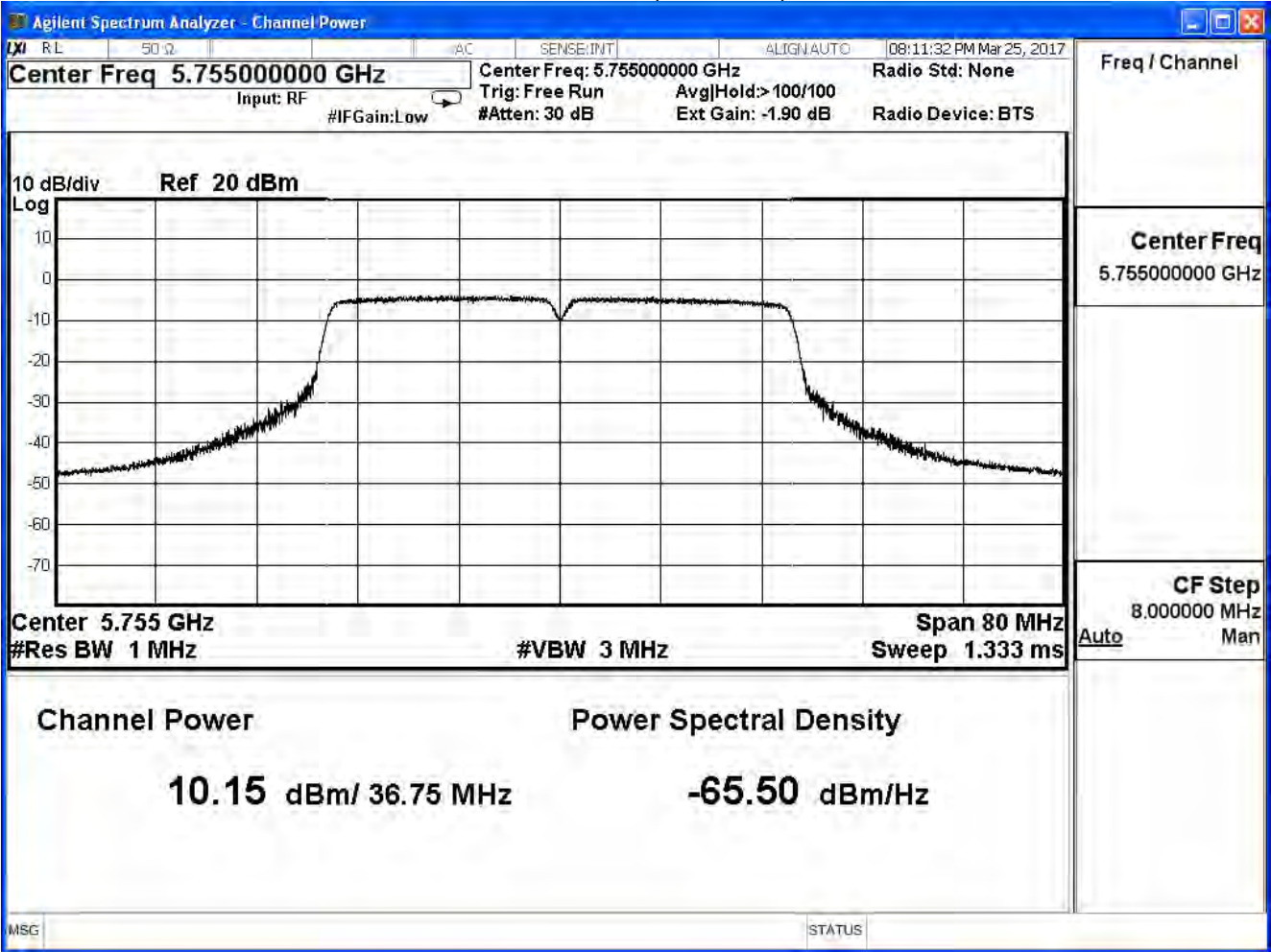
IEEE 802.11n 40M (ANT 3)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	10.150	≤ 26.22
159	5795	6.840	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
151	5755	10.150	--	--	--	--	--	--	--	≤ 26.22
159	5795	6.840	6.823	6.806	6.789	6.771	6.754	6.737	6.72	≤ 26.22

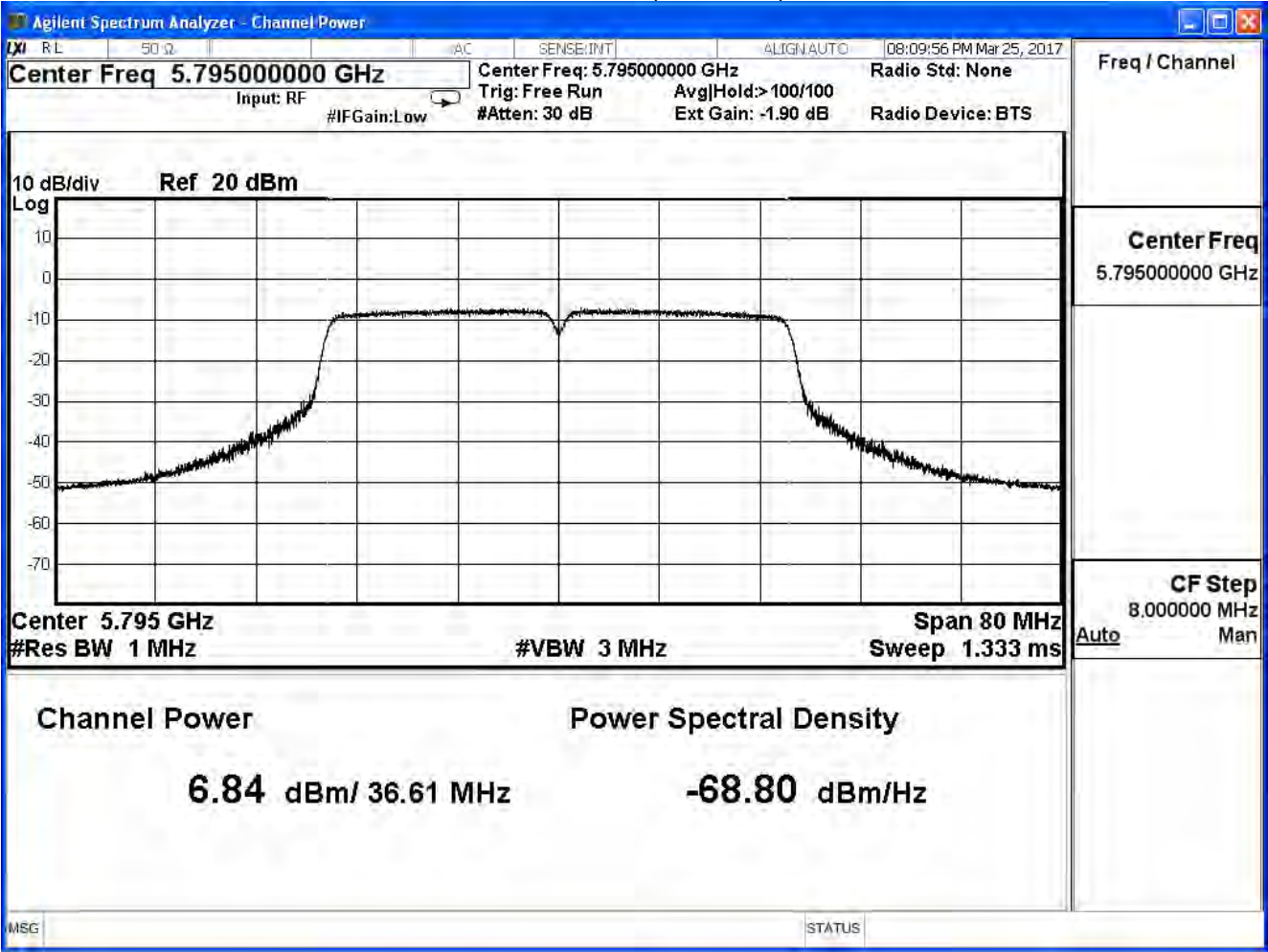
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 7.78 + 2 = 9.78$

Limit = $30\text{dBm} - (9.78\text{dBi} - 6\text{dBi}) = 26.22\text{dBm}$

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

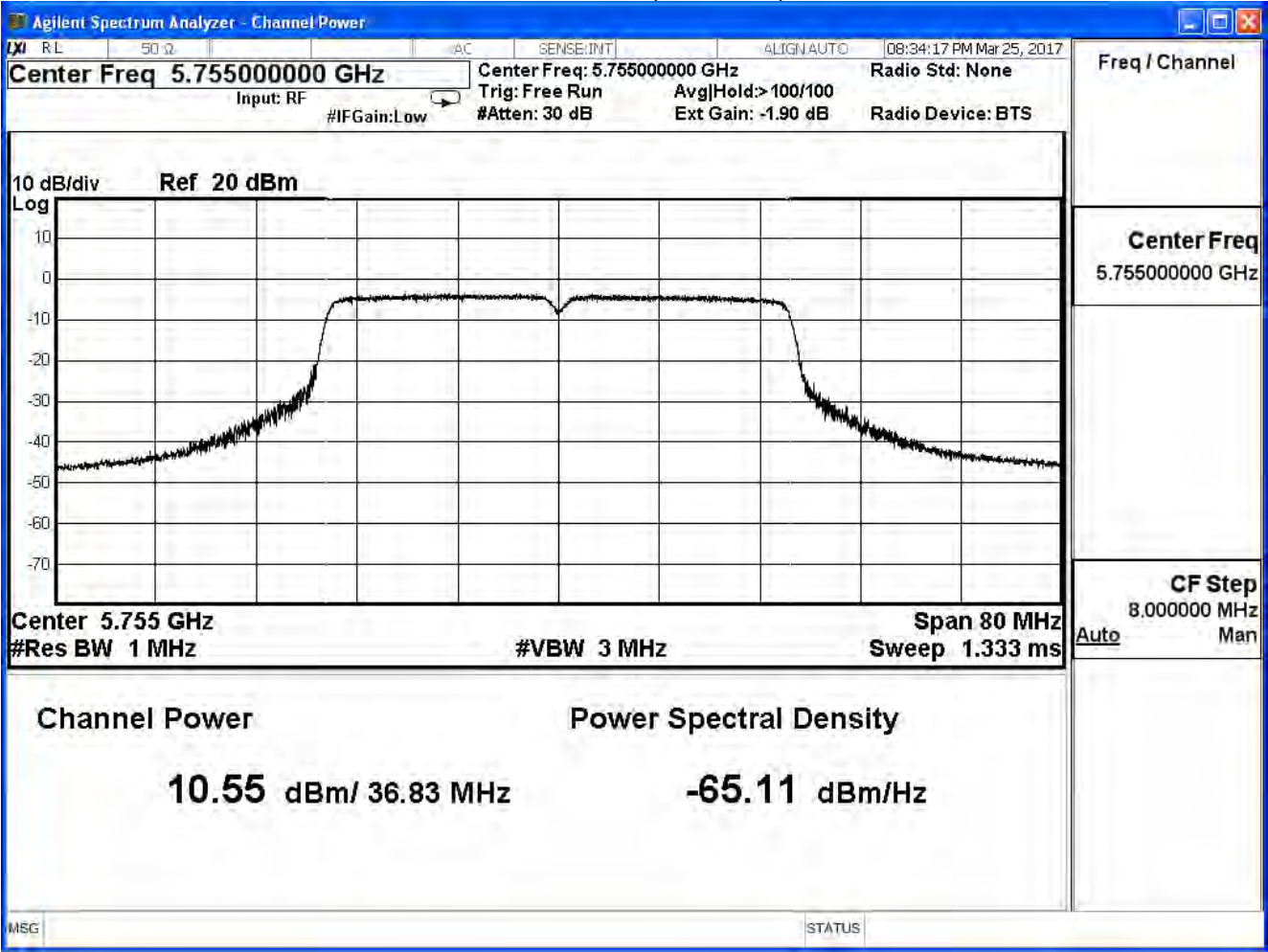
IEEE 802.11n 40M (ANT 4)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	10.550	≤ 26.22
159	5795	7.260	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
151	5755	10.550	--	--	--	--	--	--	--	≤ 26.22
159	5795	7.260	7.237	7.214	7.191	7.169	7.146	7.123	7.100	≤ 26.22

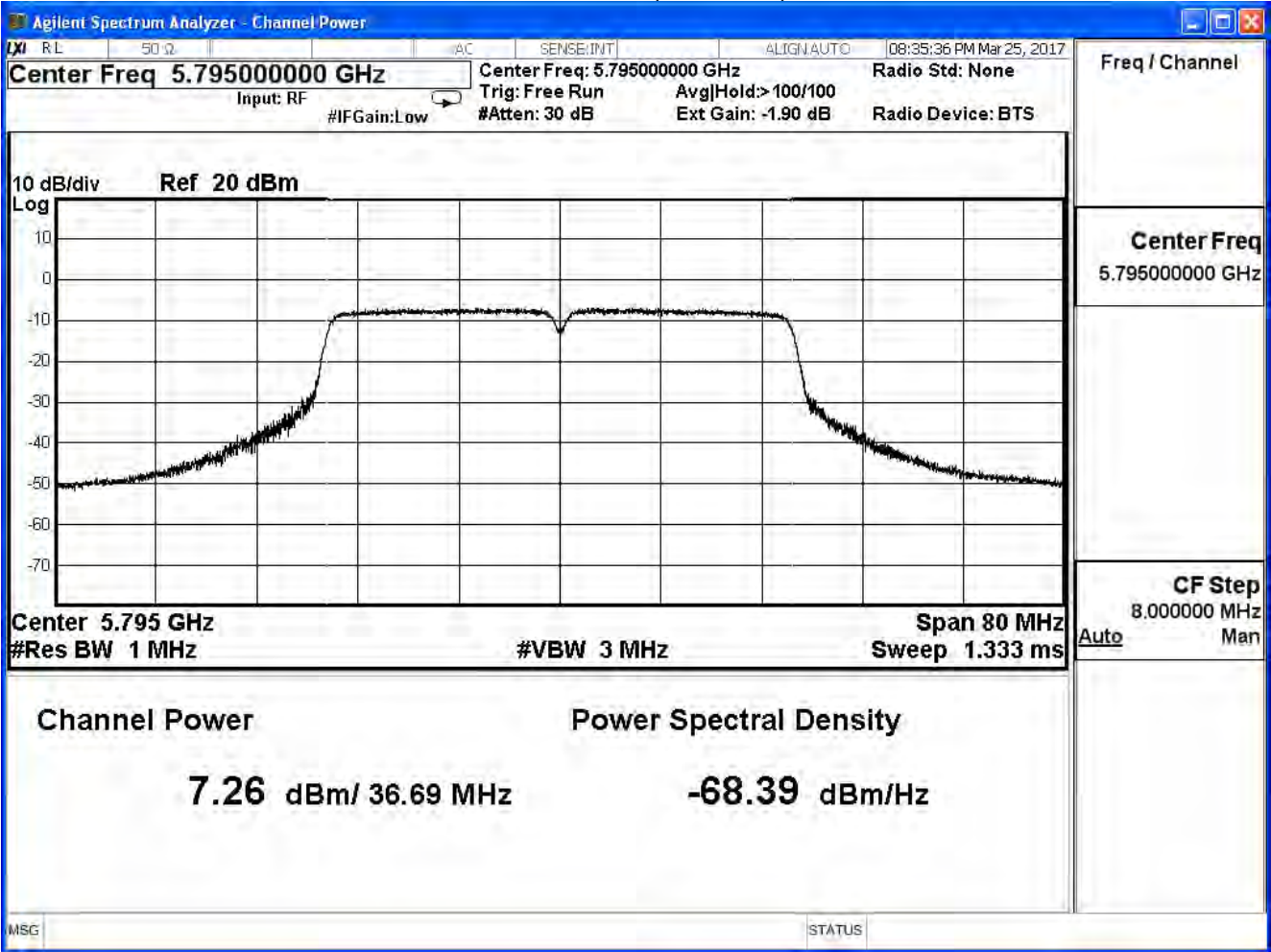
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 7.78 + 2 = 9.78$

Limit = $30\text{dBm} - (9.78\text{dBi} - 6\text{dBi}) = 26.22\text{dBm}$

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

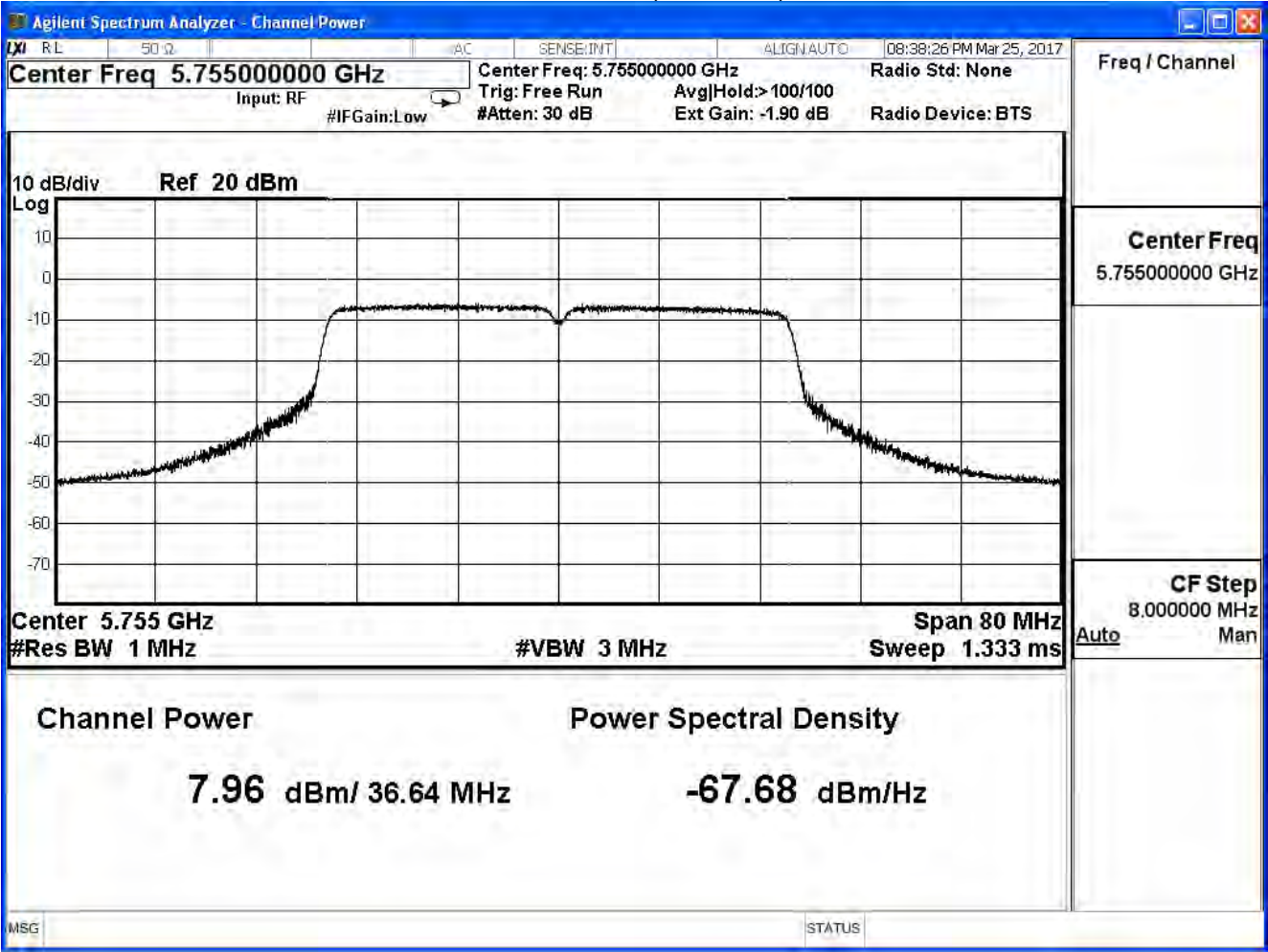
IEEE 802.11n 40M (ANT 5)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	7.960	≤ 26.22
159	5795	5.120	≤ 26.22

Peak Power Output (dBm)										
MCS Index		0	1	2	3	4	5	6	7	Require Limit
Channel No	Frequency (MHz)									
151	5755	7.960	--	--	--	--	--	--	--	≤ 26.22
159	5795	5.120	5.089	5.057	5.026	4.994	4.963	4.931	4.900	≤ 26.22

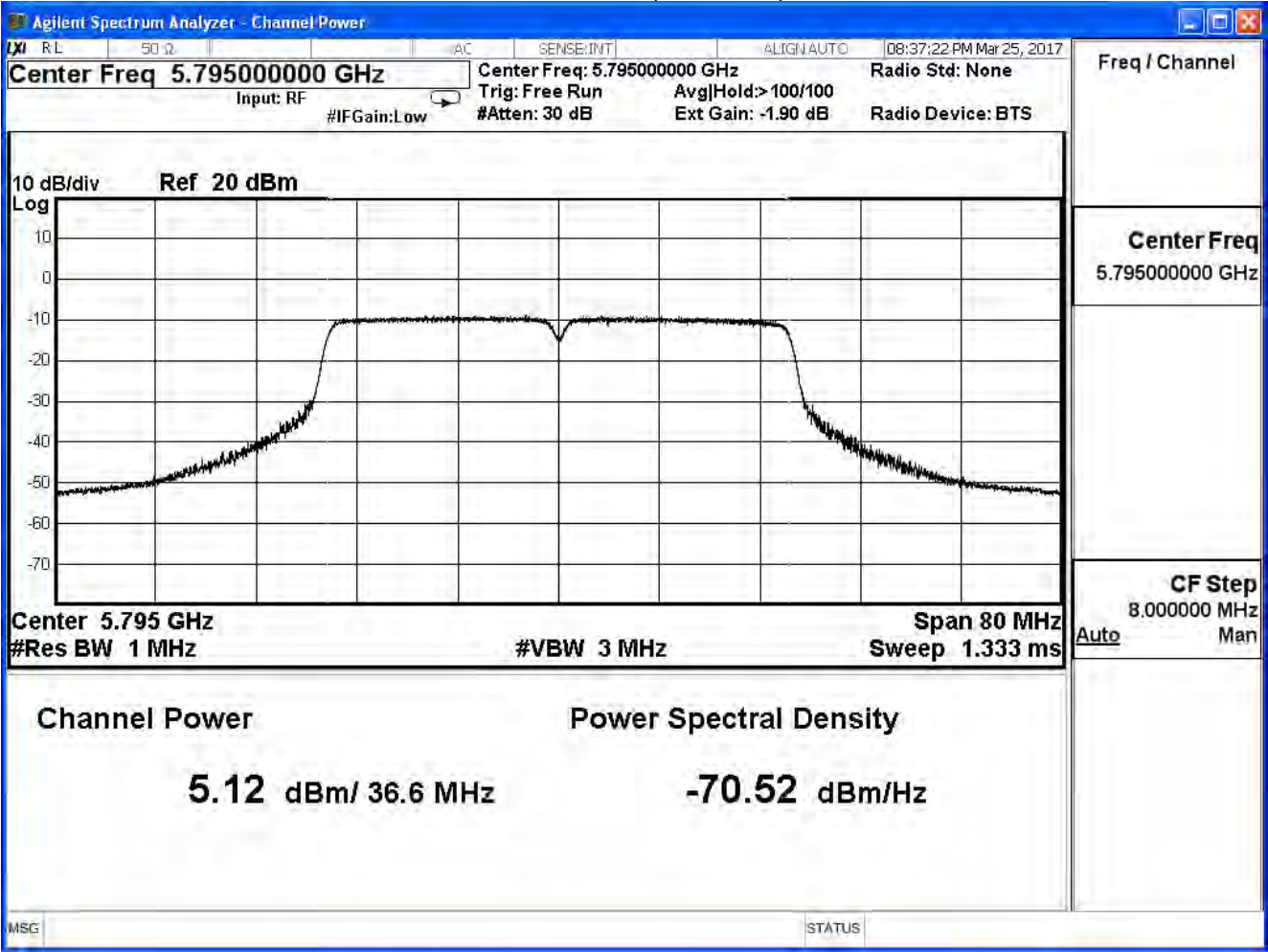
Directional gain= $10\log(\text{ANT N}) + \text{Gain} = 7.78 + 2 = 9.78$

Limit = $30\text{dBm} - (9.78\text{dBi} - 6\text{dBi}) = 26.22\text{dBm}$

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Transmit power		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n40 (ANT 0+1+2+3+4+5)			
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
151	5755	18.346	≤ 26.22
159	5795	14.377	≤ 26.22

Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

5. Peak Power Spectrum Density

5.1. Test Equipment

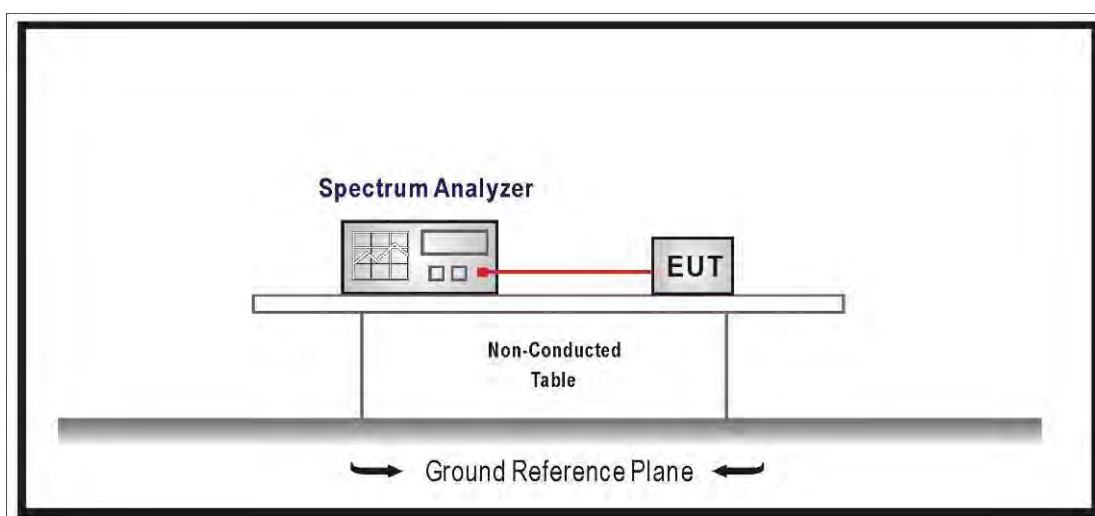
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/05

Note: All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup



5.3. Limits

1. For an outdoor access point operating in the band 5.15-5.25 GHz In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used,
2. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used,
3. For fixed point-to-point access points operating in the band 5.15-5.25 GHz,.In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density.
4. For client devices in the 5.15-5.25 GHz band, In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
5. For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
6. For the band 5.725-5.850 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

5.4. Test Procedure

The EUT was setup to ANSI C63.10:2013; tested to U-NII test procedure of KDB 789033 V01r03 and 662911 D01 v02r01 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

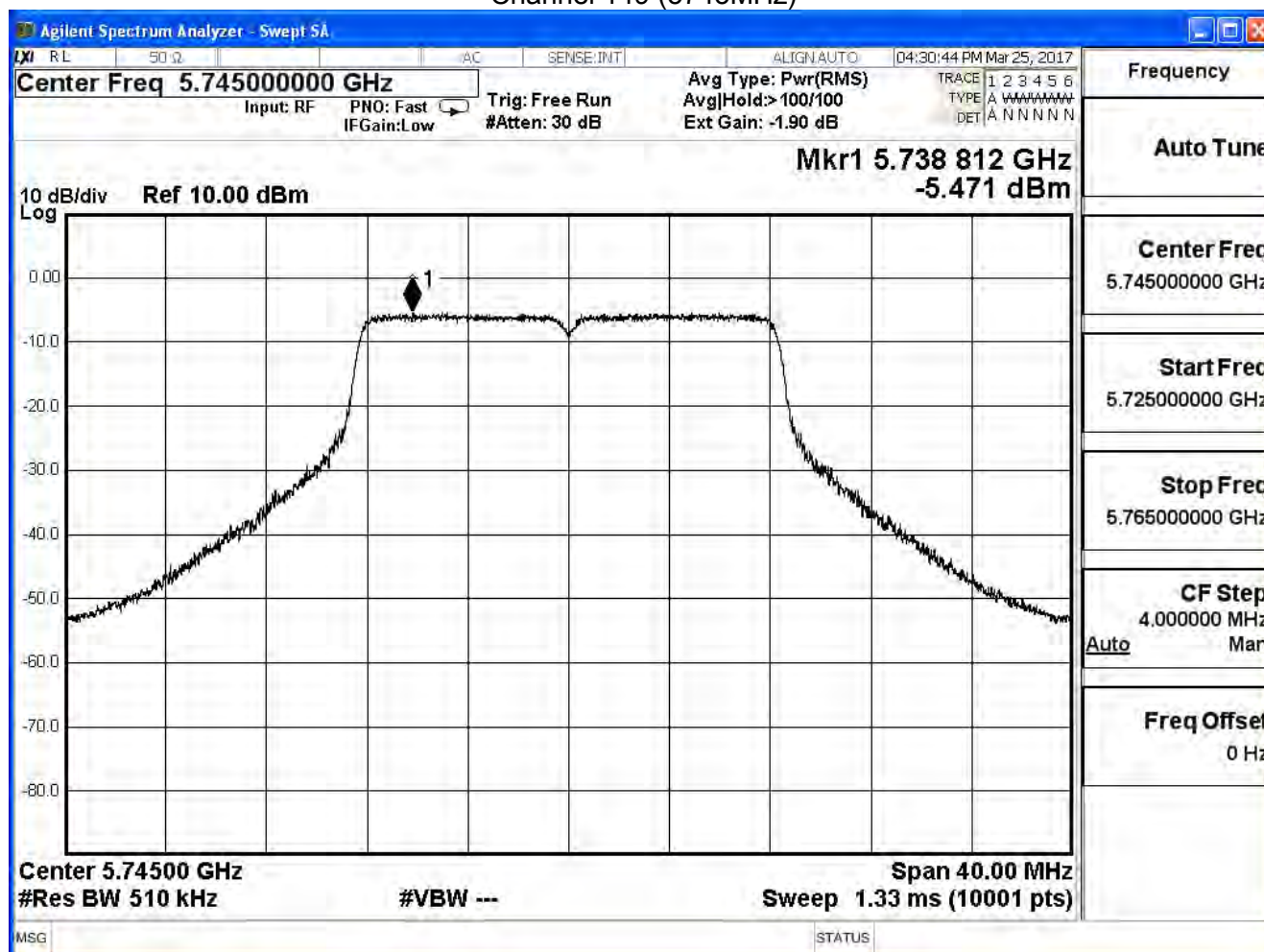
Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 0)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-5.471	≤ 26.22	Pass
157	5785	-5.786	≤ 26.22	Pass
165	5825	-6.397	≤ 26.22	Pass

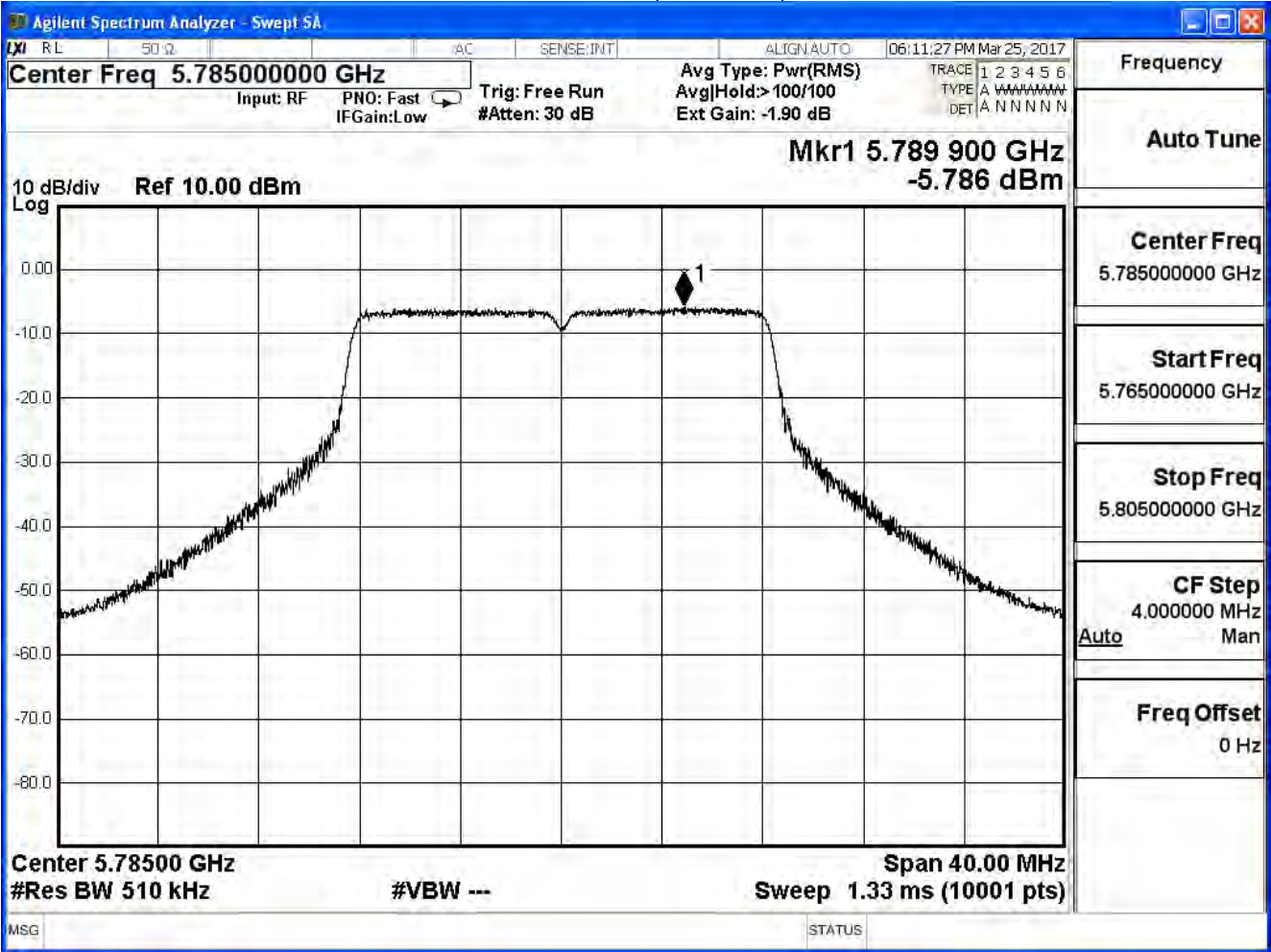
Note:

$$\text{Directional gain} = 10\log(\text{ANT N}) + \text{Gain} = 7.78 + 2 = 9.78$$
$$\text{Limit} = 30\text{dBm} - (9.78\text{dBi} - 6\text{dBi}) = 26.22\text{dBm}$$

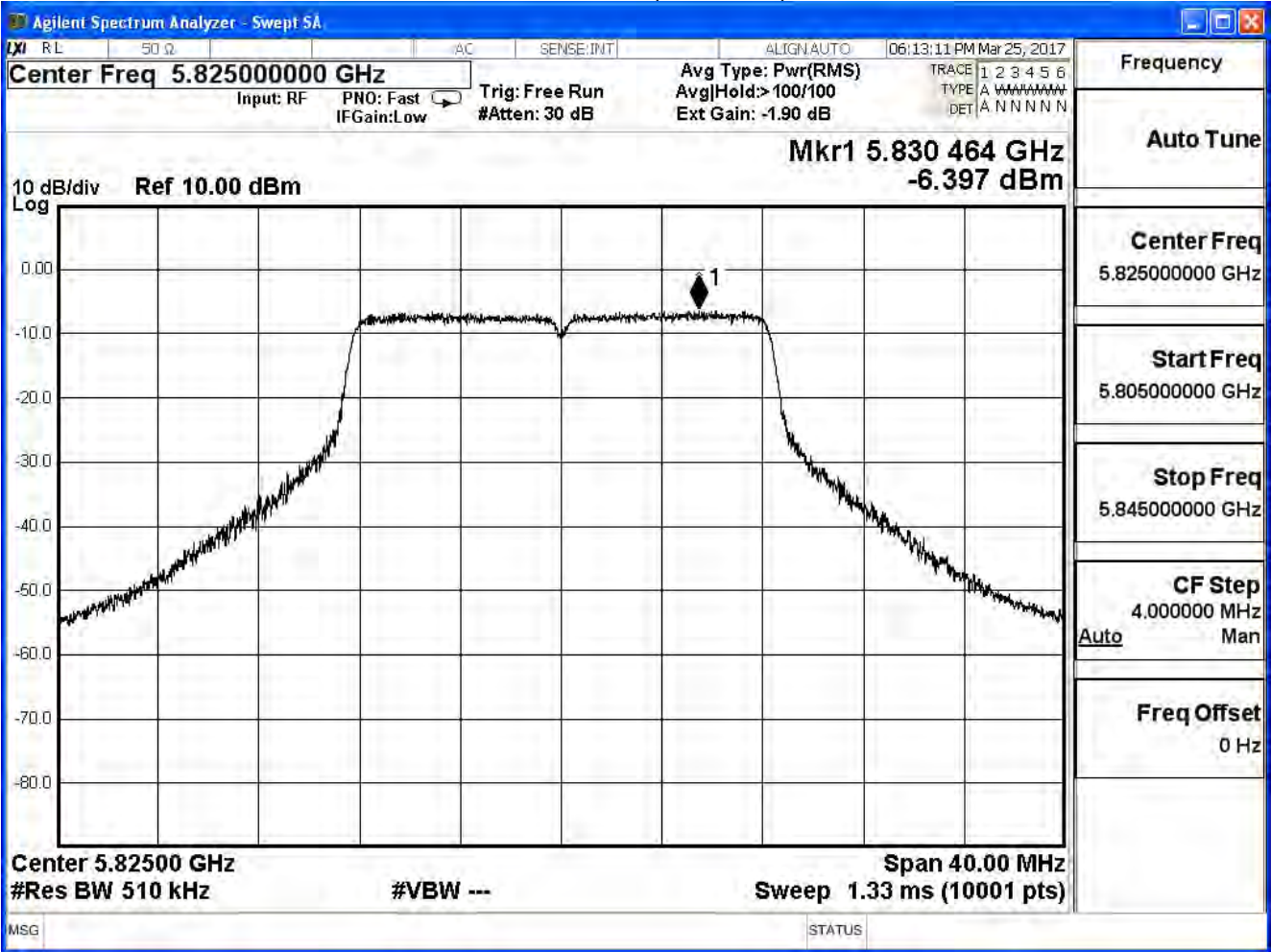
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 1)

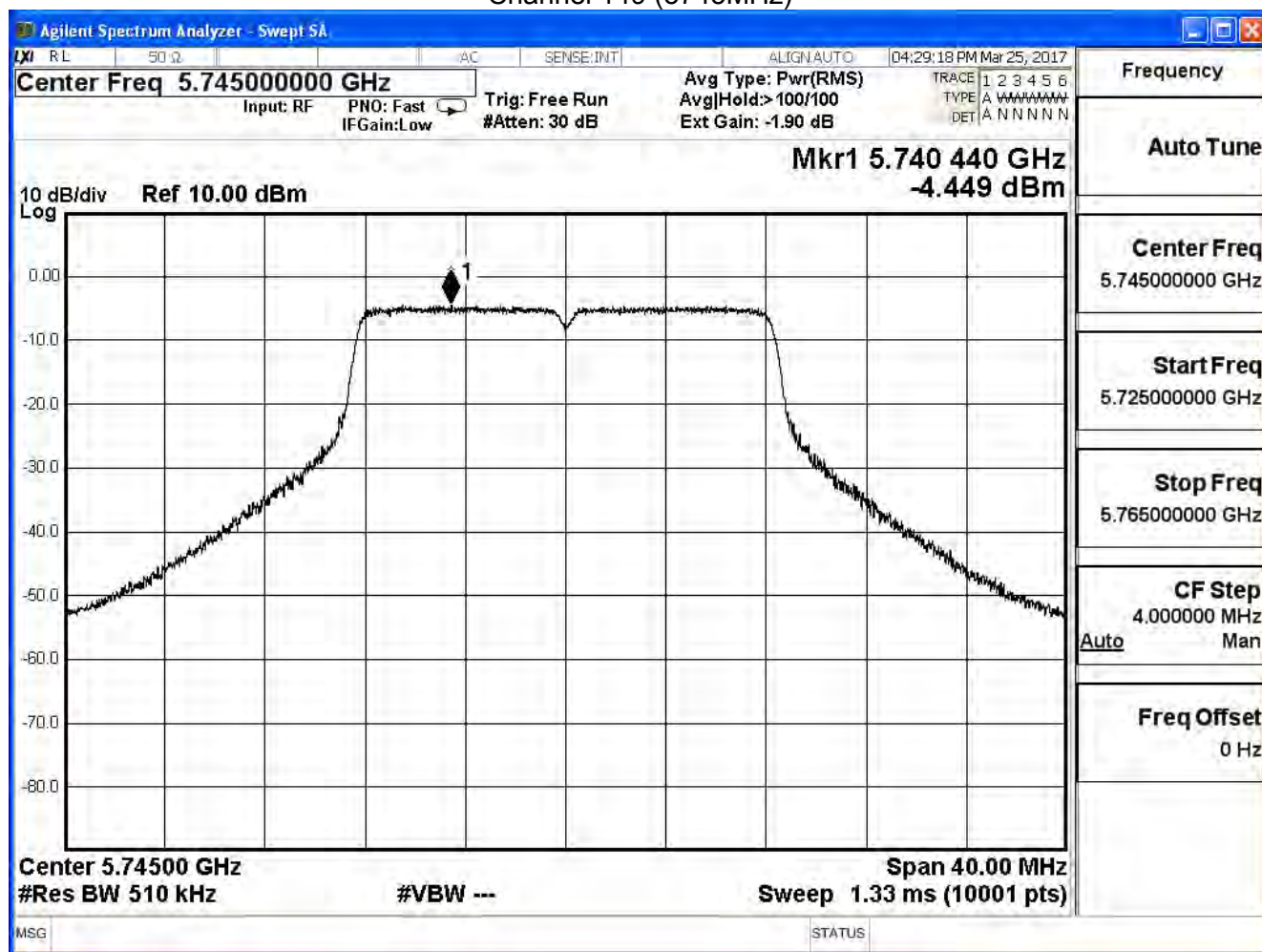
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-4.449	≤ 26.22	Pass
157	5785	-4.739	≤ 26.22	Pass
165	5825	-5.493	≤ 26.22	Pass

Note:

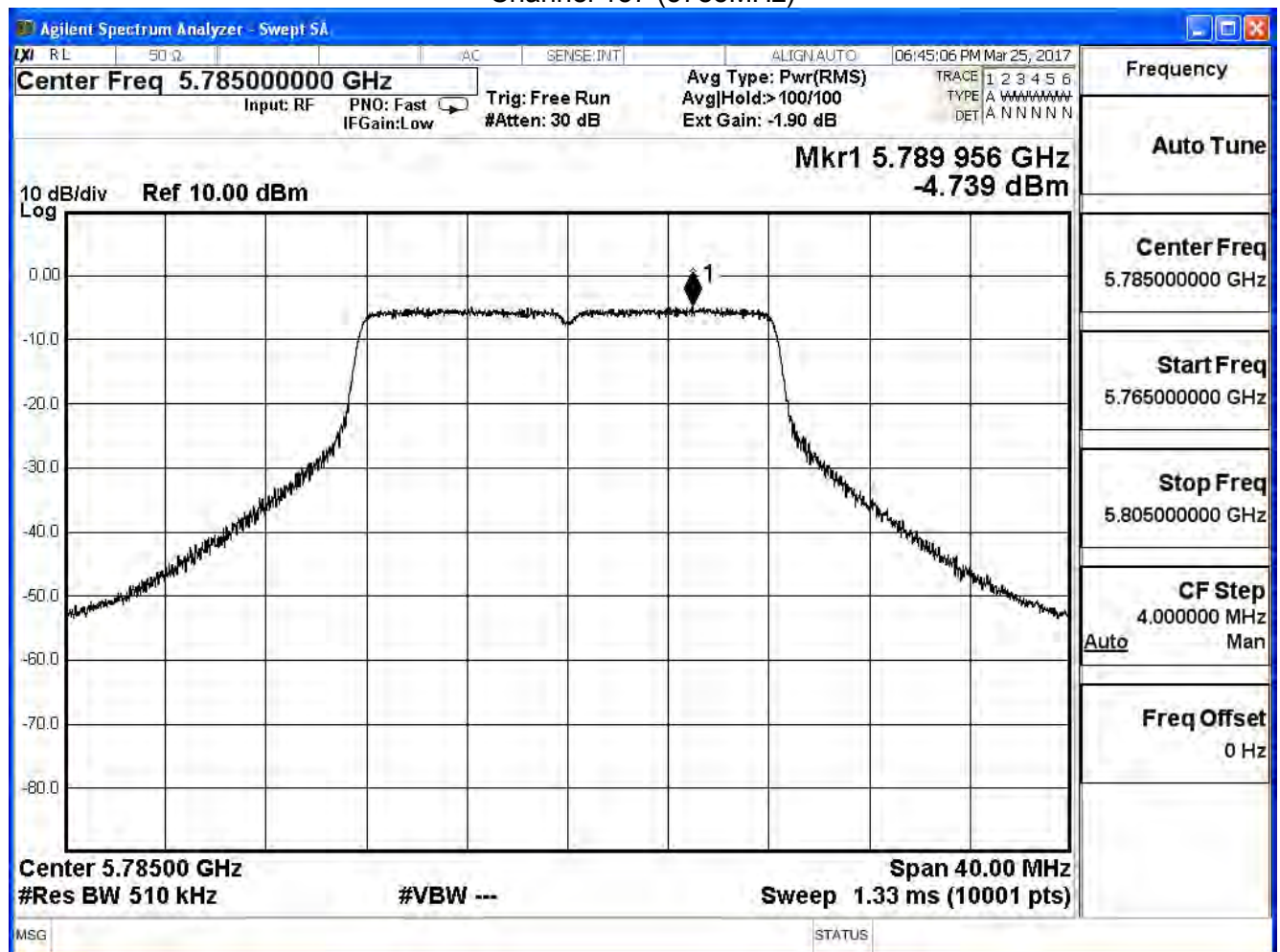
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

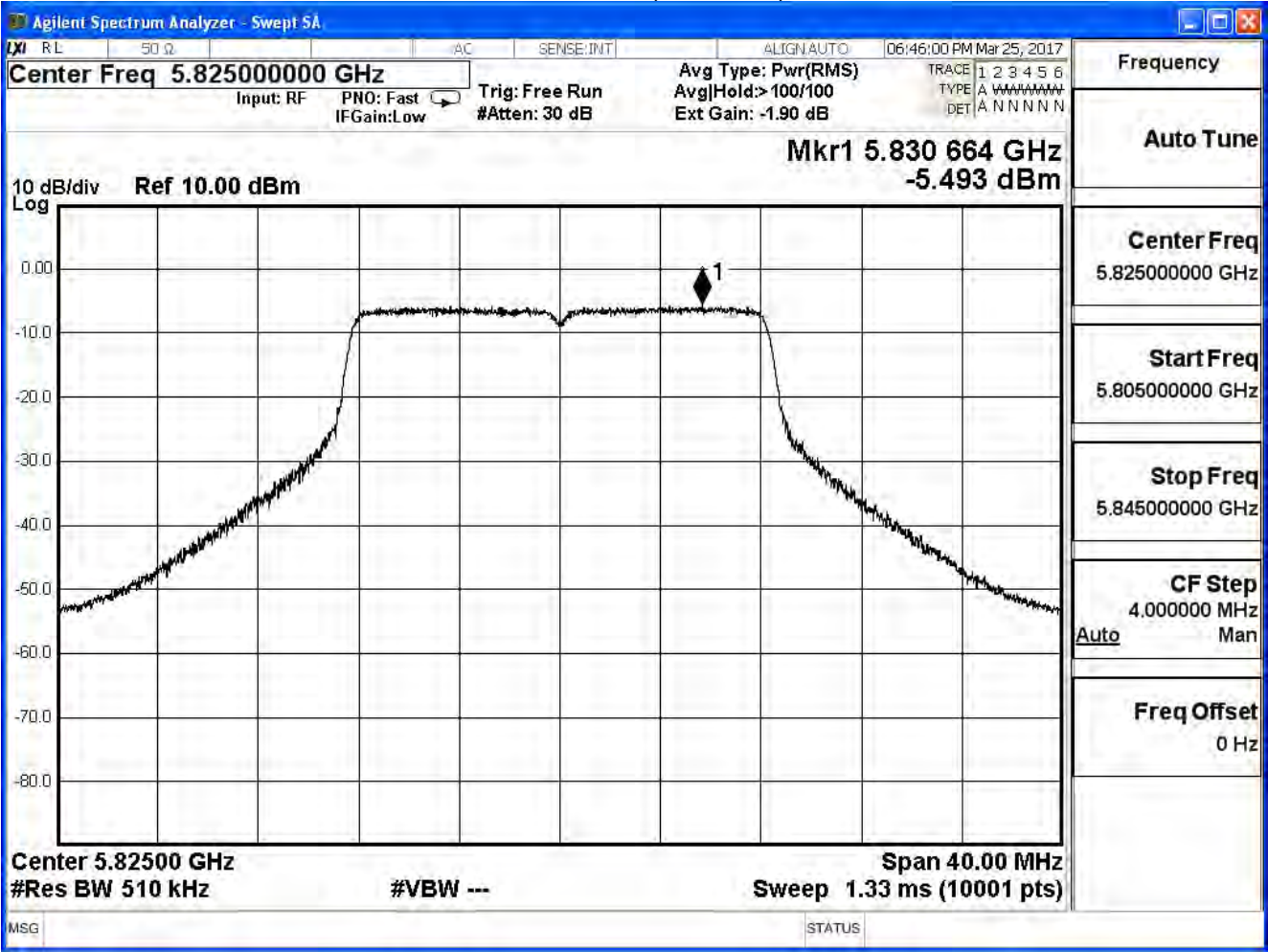
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 2)

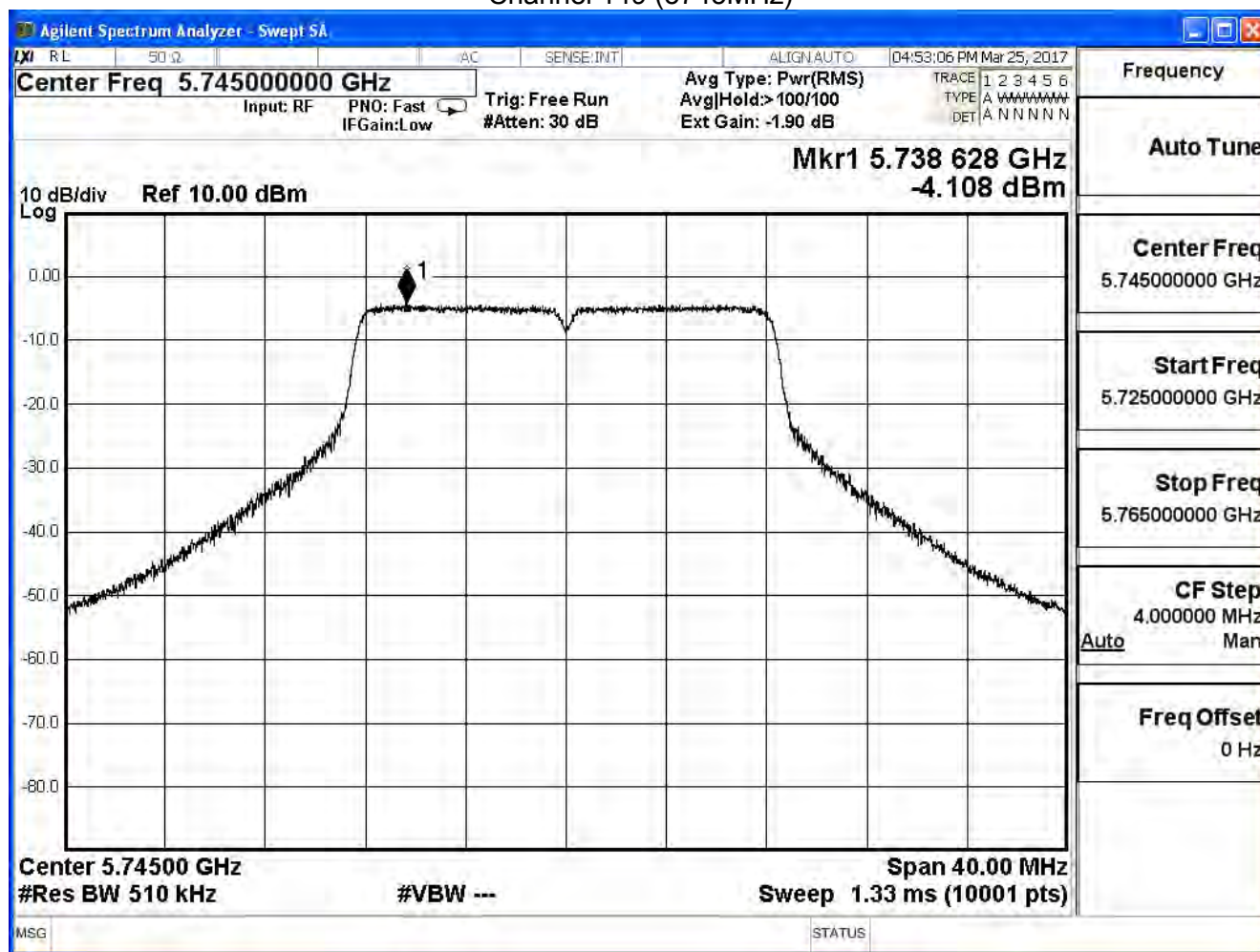
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-4.108	≤ 26.22	Pass
157	5785	-4.962	≤ 26.22	Pass
165	5825	-6.022	≤ 26.22	Pass

Note:

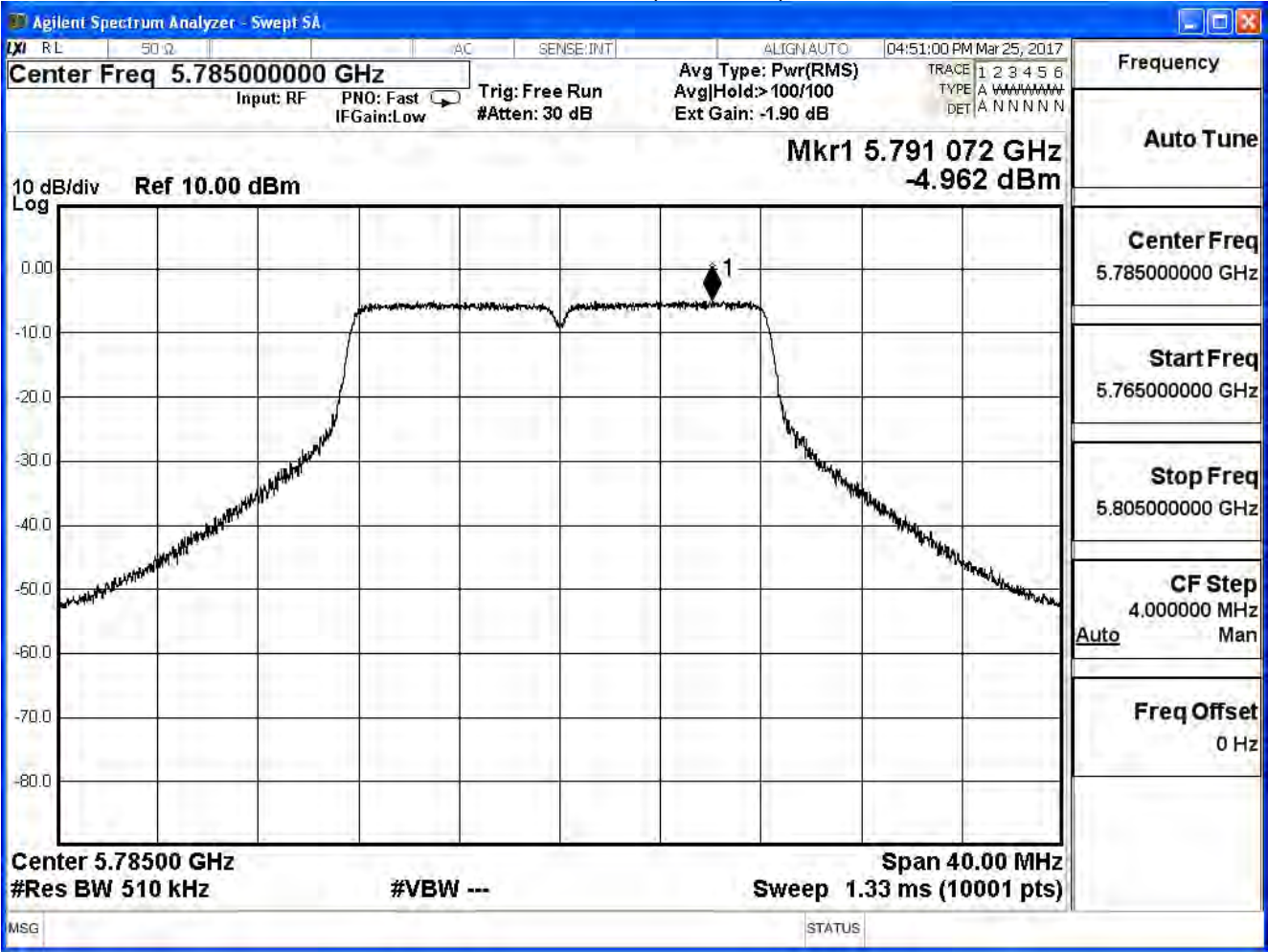
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

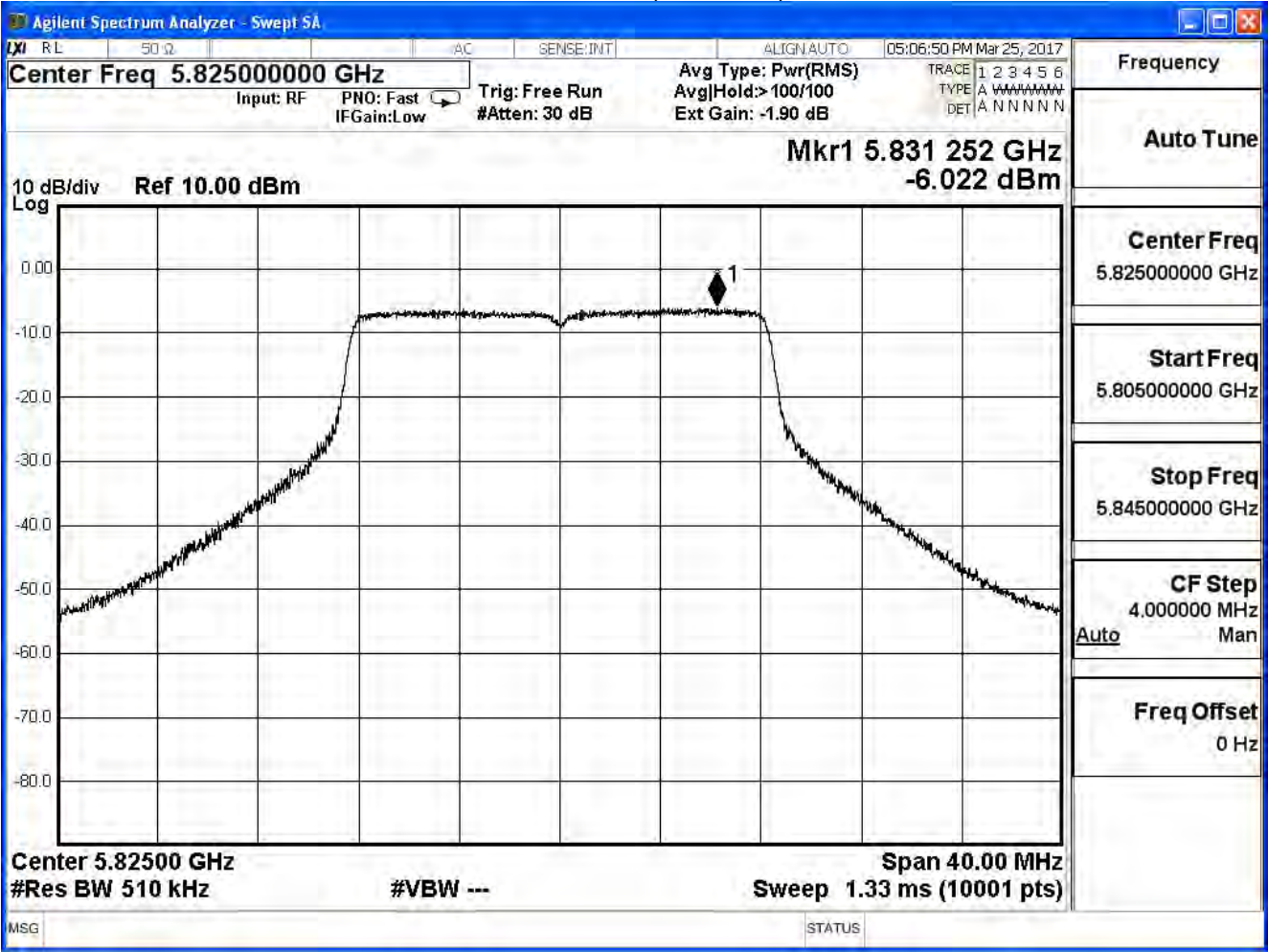
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 3)

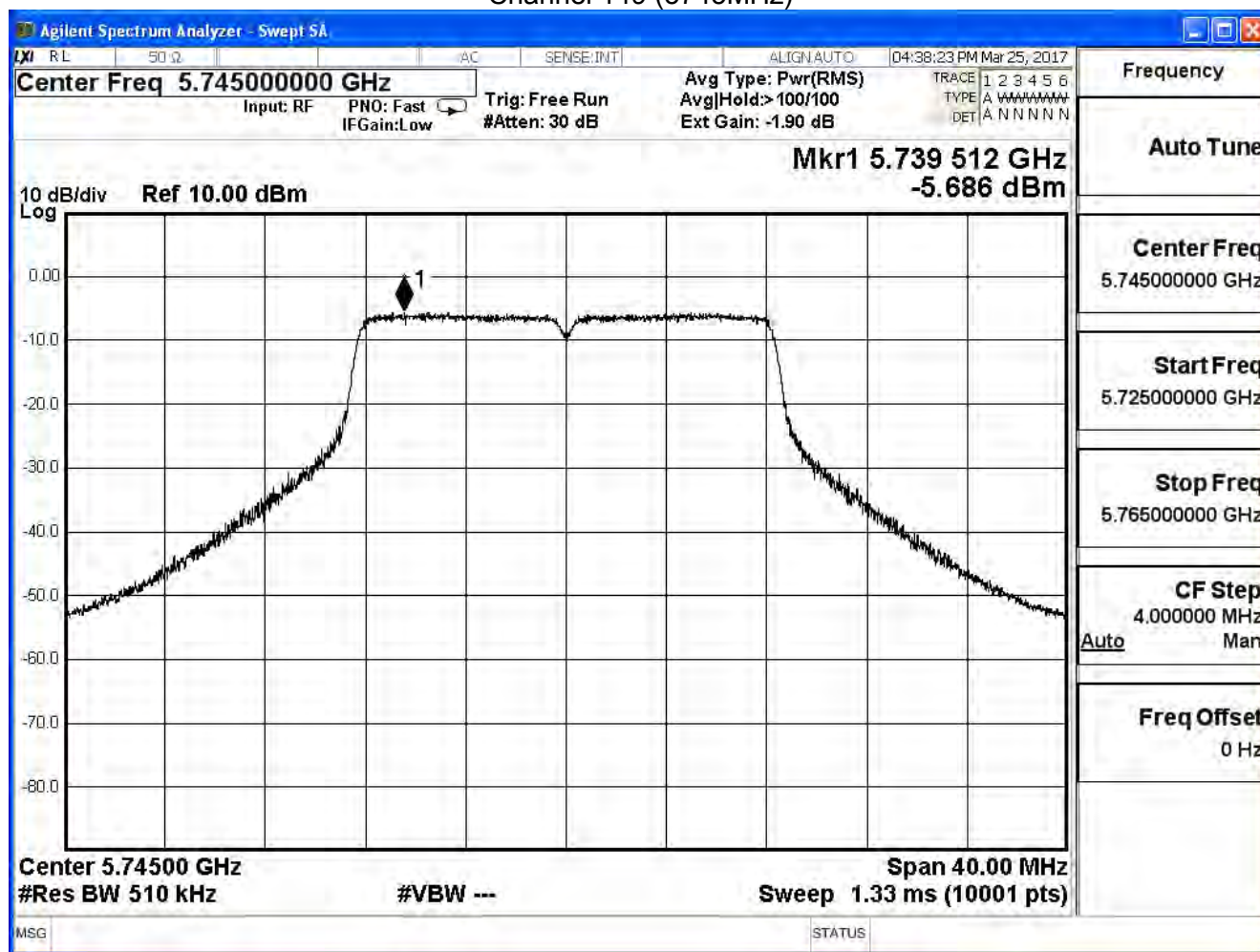
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-5.686	≤ 26.22	Pass
157	5785	-5.580	≤ 26.22	Pass
165	5825	-5.824	≤ 26.22	Pass

Note:

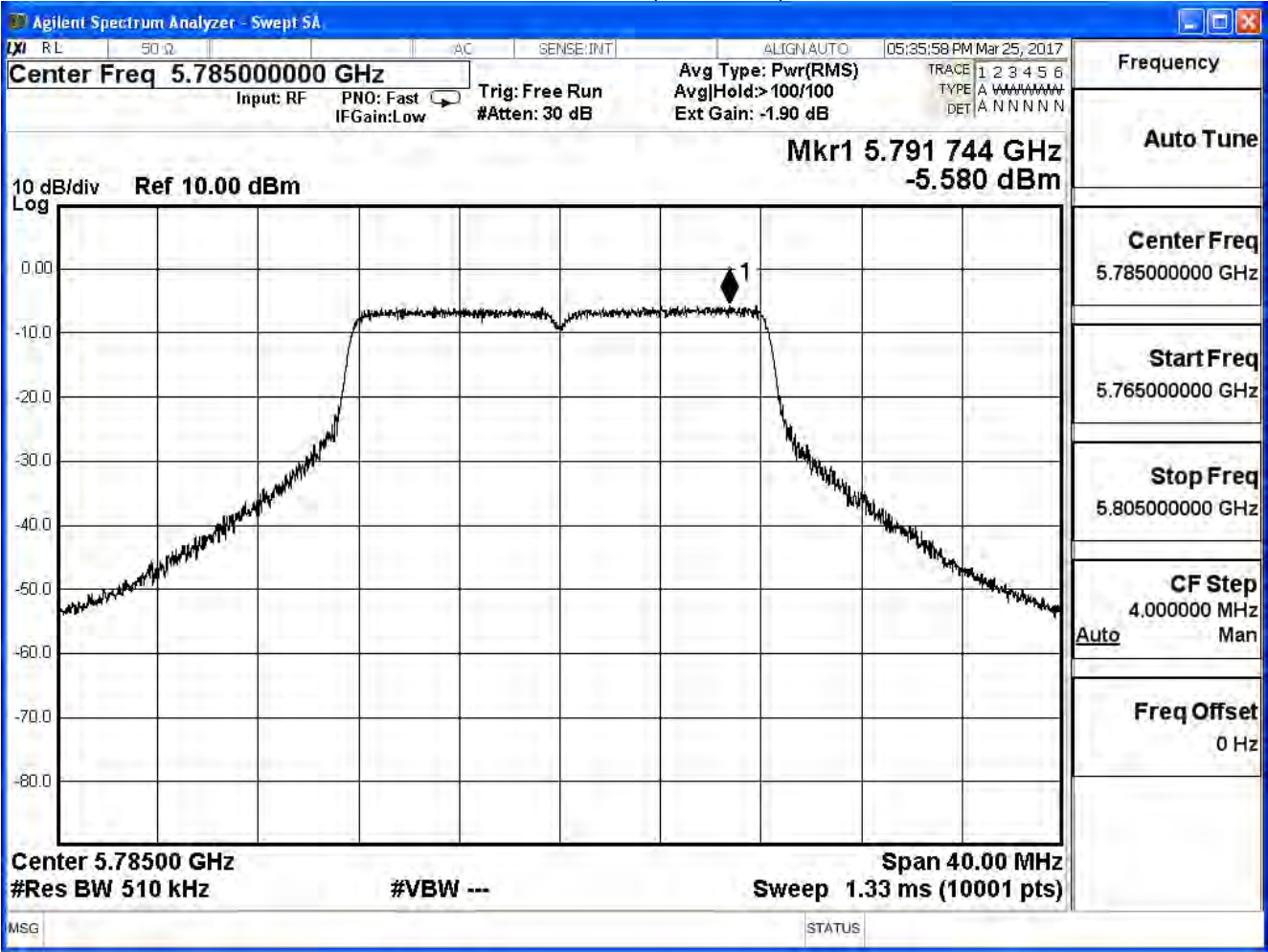
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

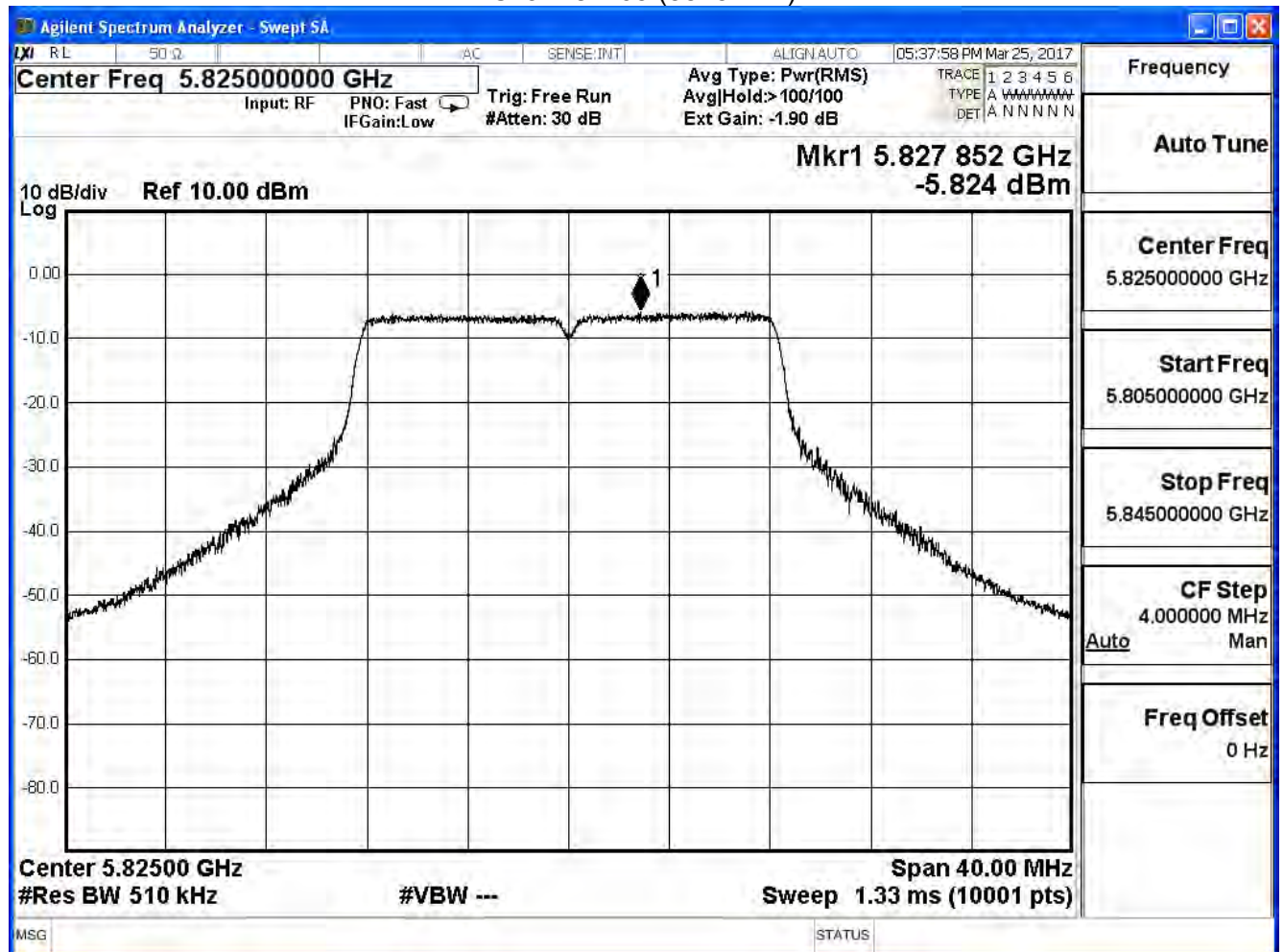
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 4)

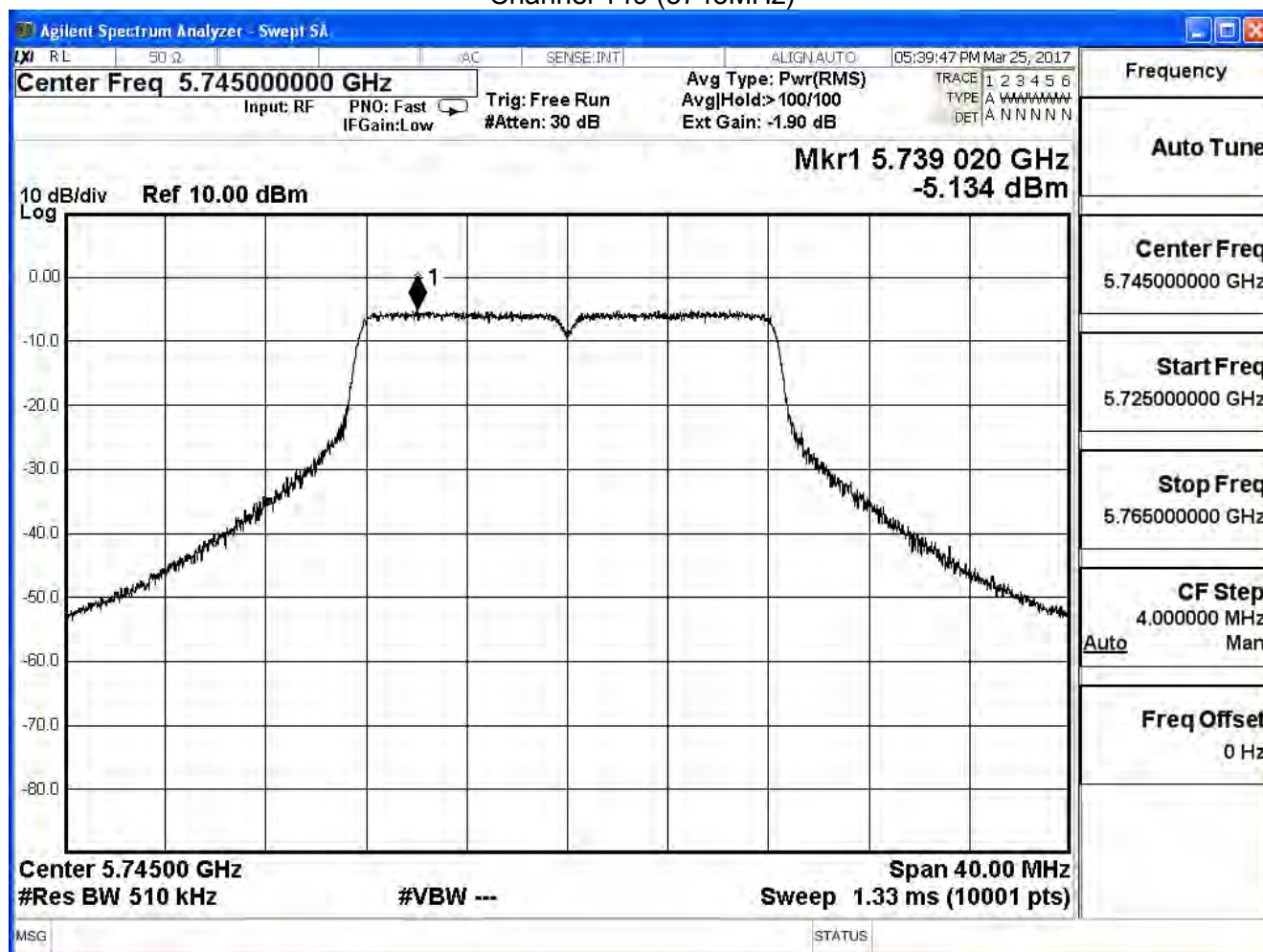
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-5.134	≤ 26.22	Pass
157	5785	-5.105	≤ 26.22	Pass
165	5825	-5.425	≤ 26.22	Pass

Note:

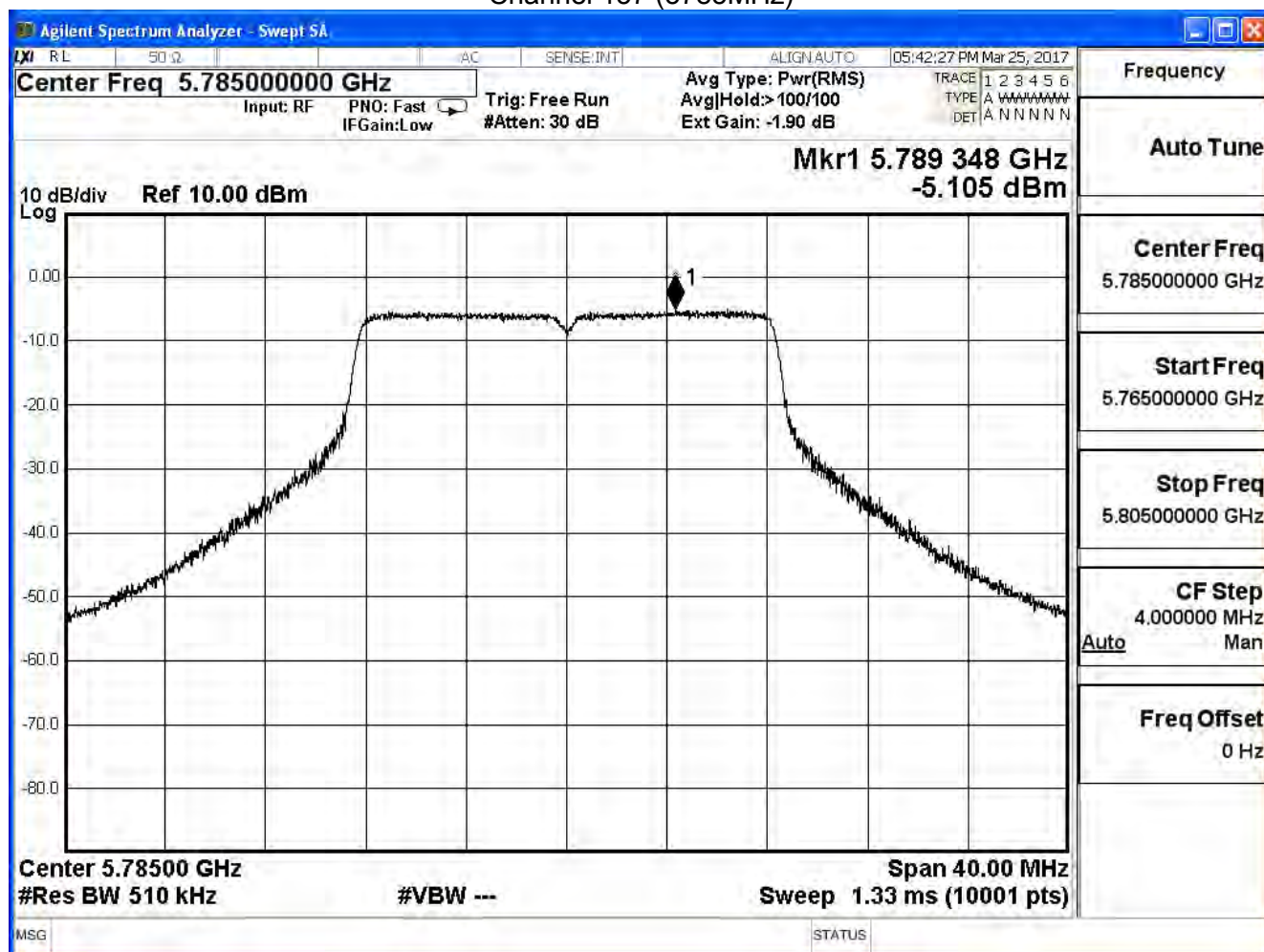
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

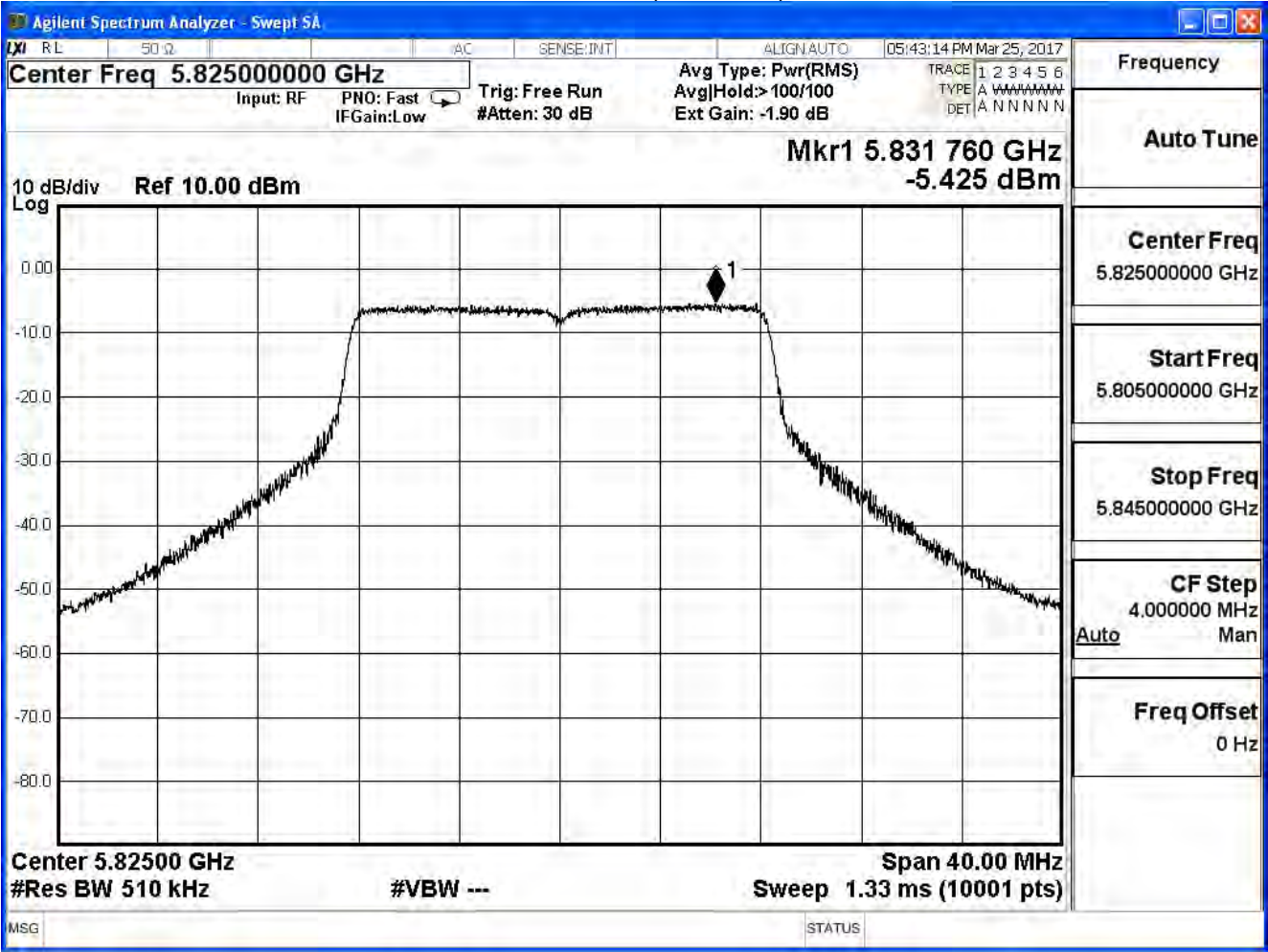
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 5)

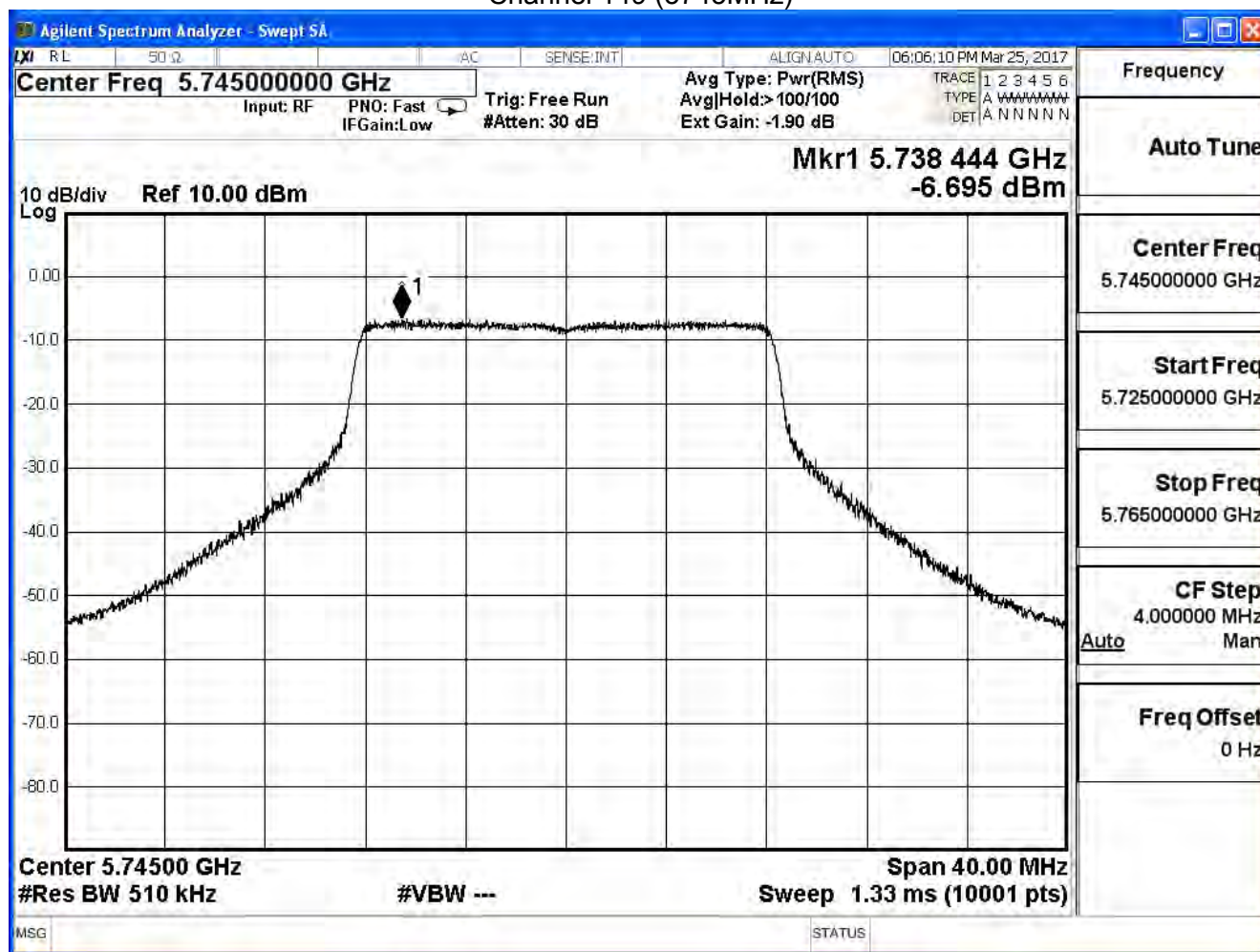
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-6.695	≤ 26.22	Pass
157	5785	-6.903	≤ 26.22	Pass
165	5825	-6.940	≤ 26.22	Pass

Note:

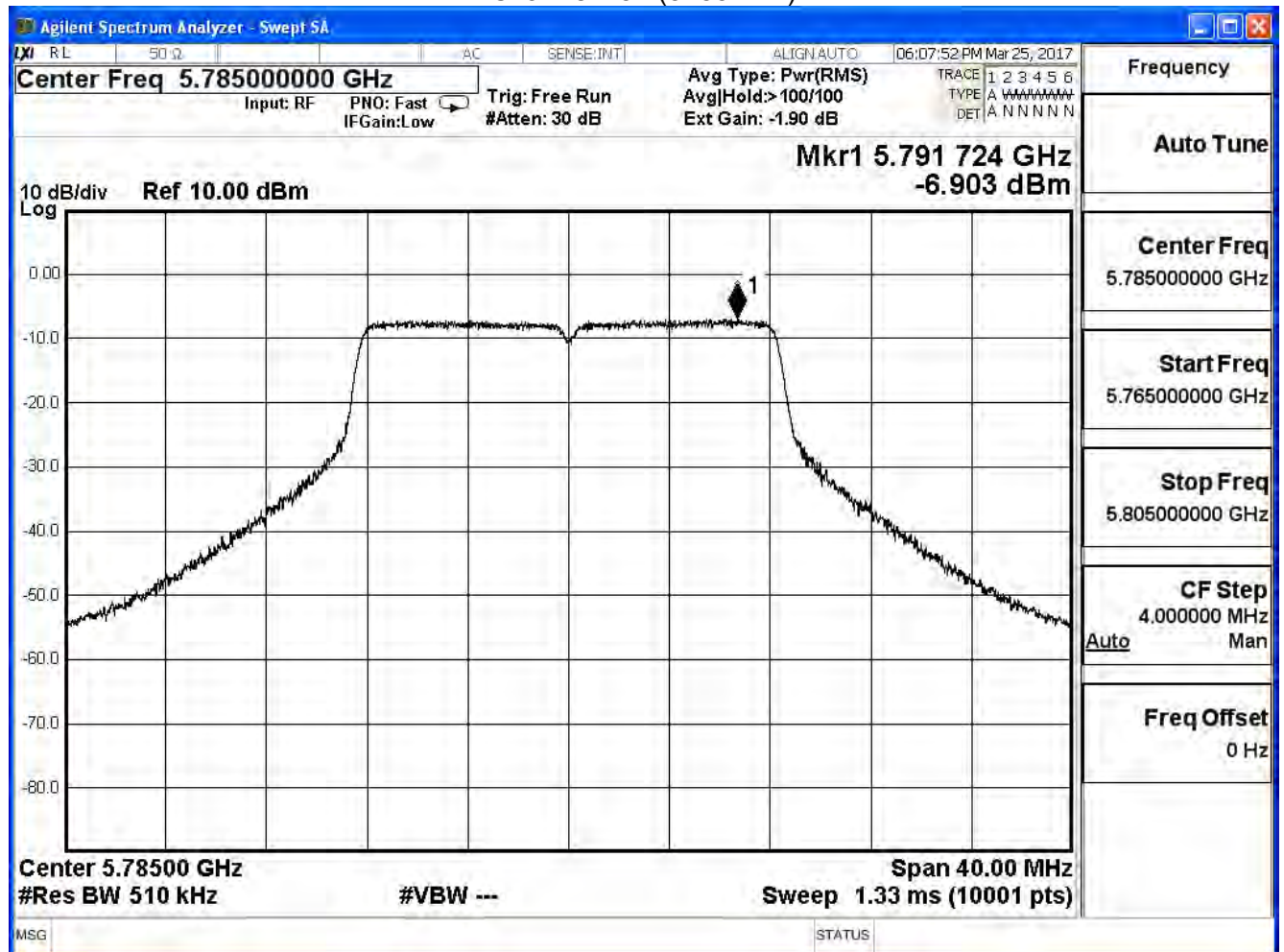
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

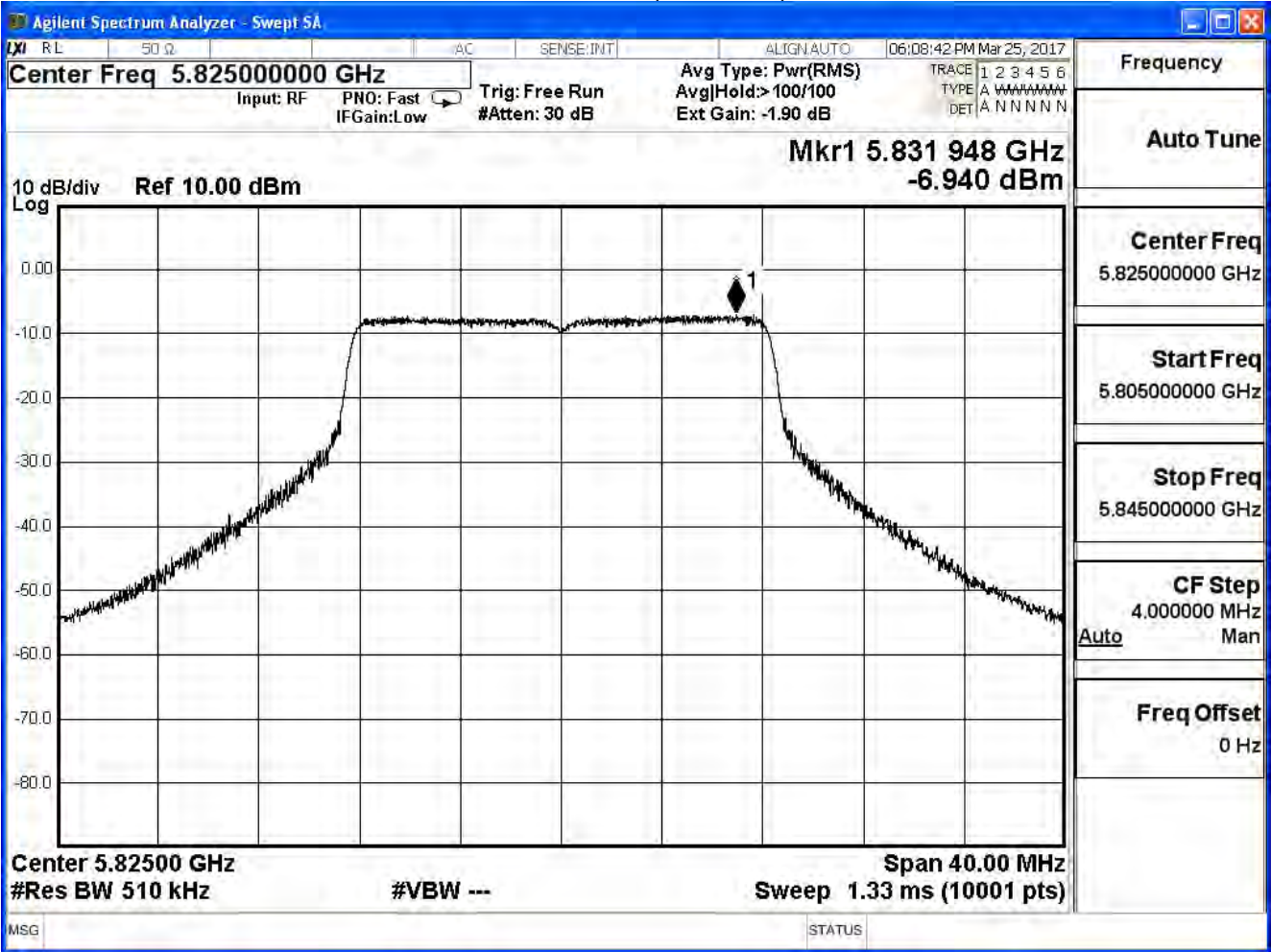
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11a (ANT 0+1+2+3+4+5)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	2.605	≤ 26.22	Pass
157	5785	2.325	≤ 26.22	Pass
165	5825	1.796	≤ 26.22	Pass

Note:

Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

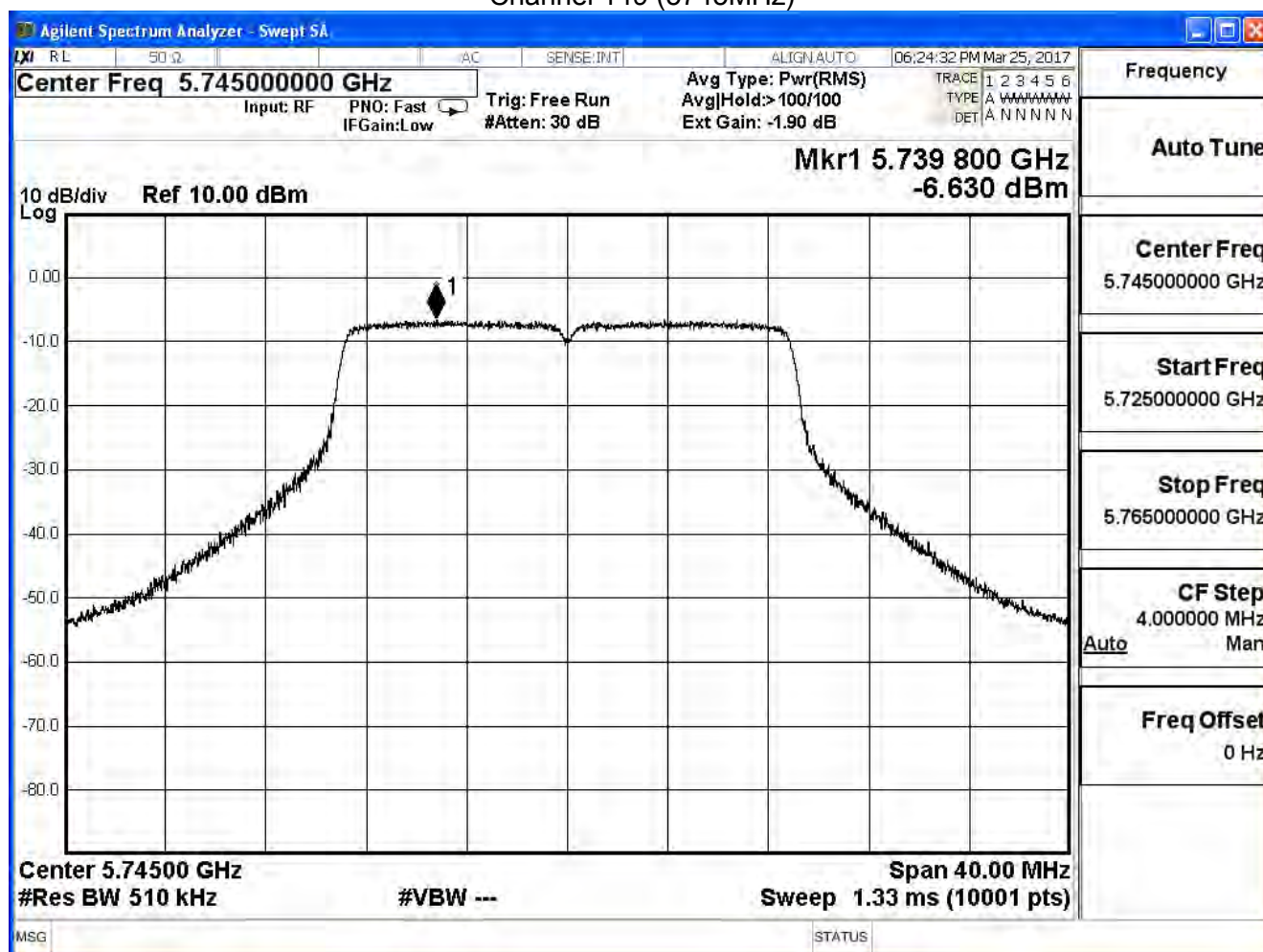
IEEE 802.11n(20MHz) (ANT 0)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-6.630	≤ 26.22	Pass
157	5785	-8.415	≤ 26.22	Pass
165	5825	-10.364	≤ 26.22	Pass

Note:

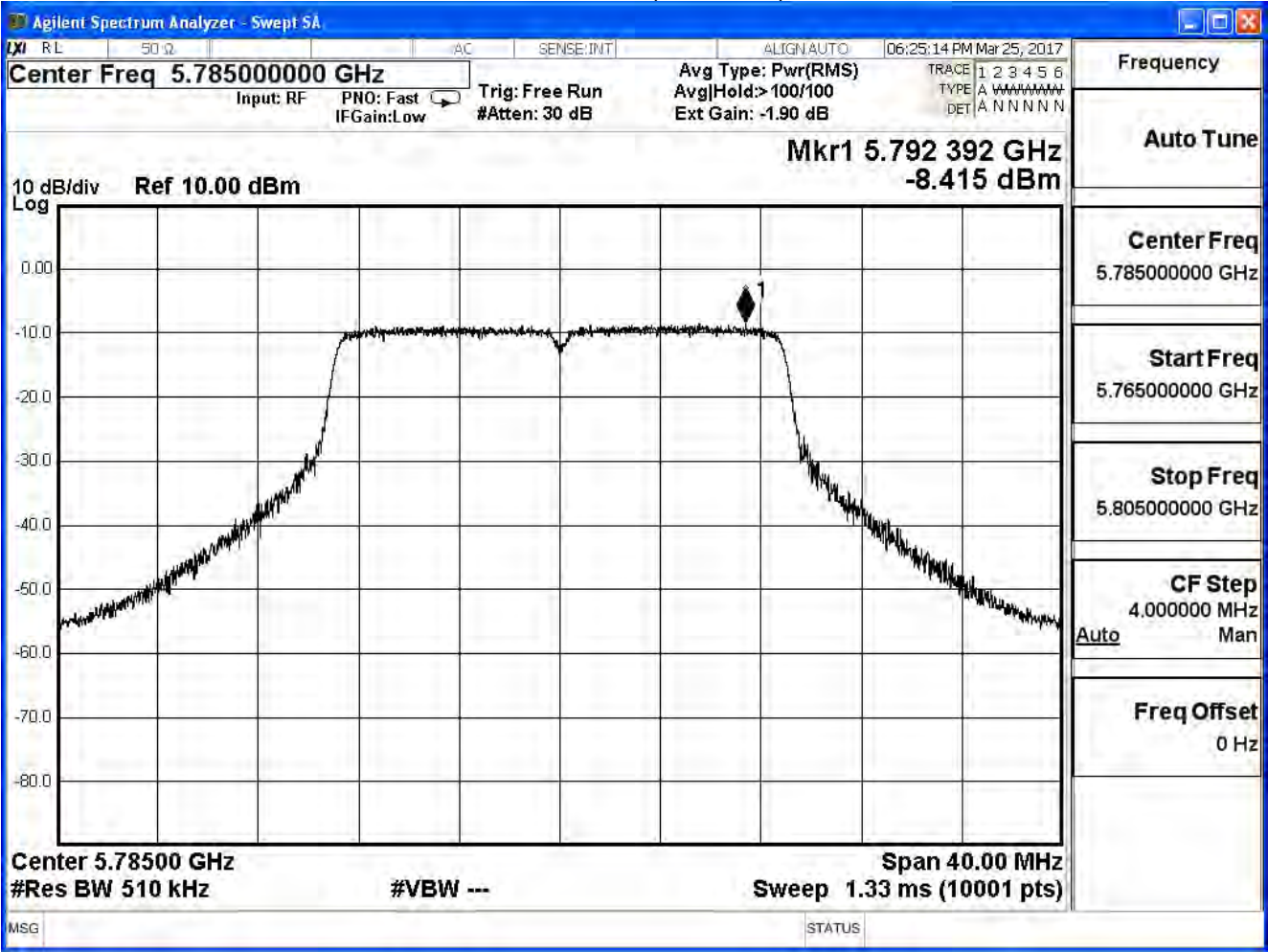
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

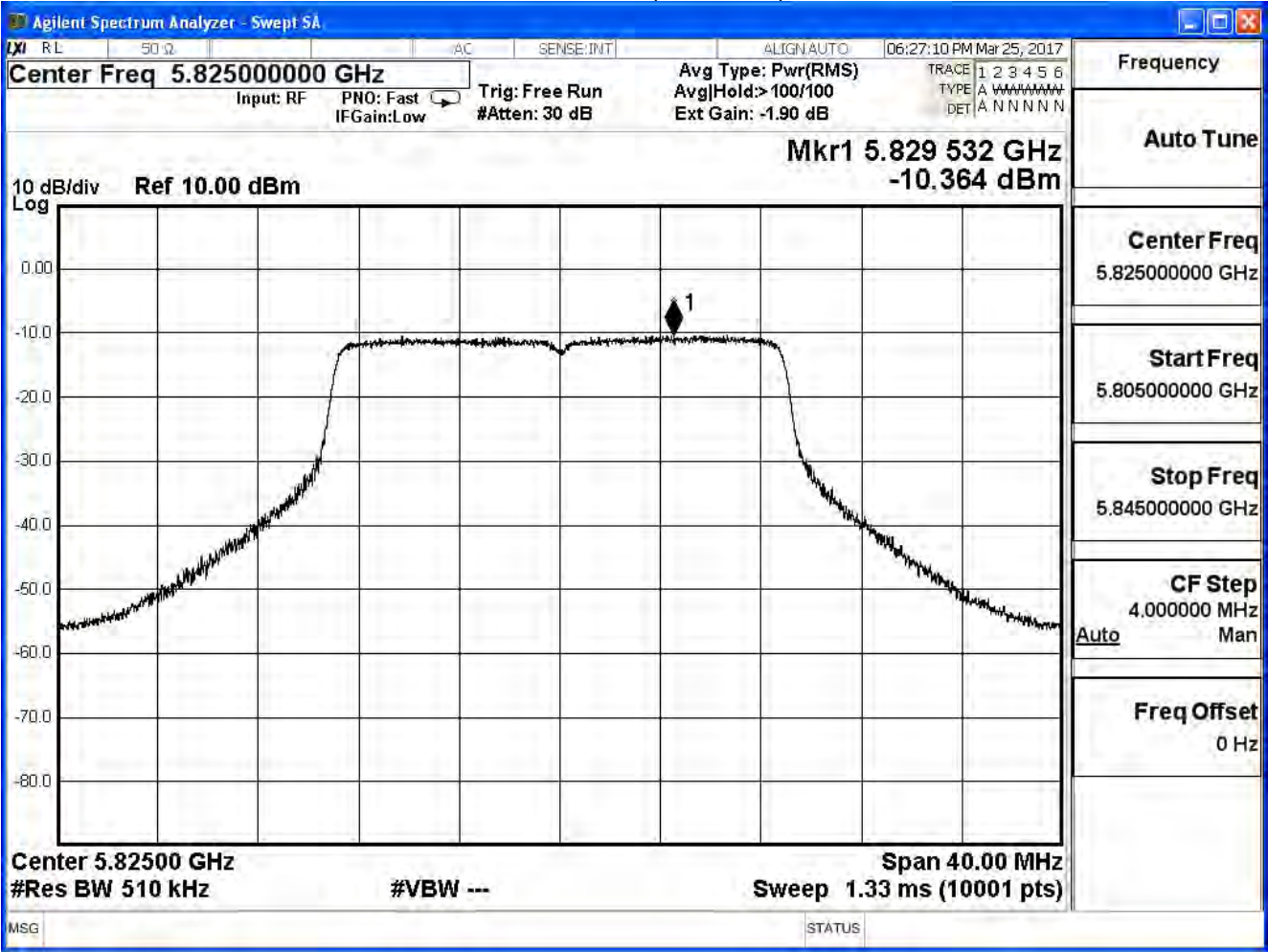
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)

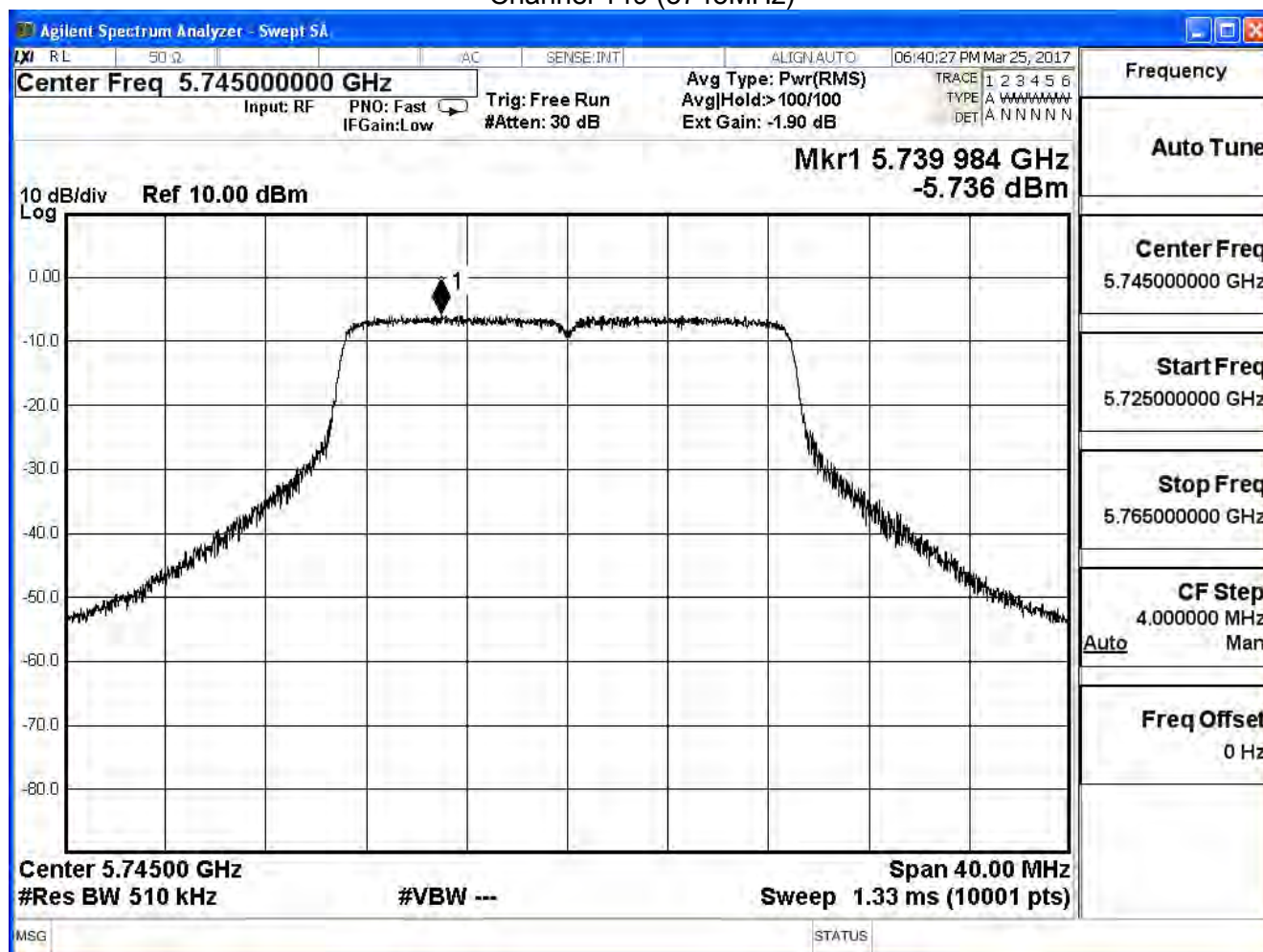
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-5.736	≤ 26.22	Pass
157	5785	-8.032	≤ 26.22	Pass
165	5825	-10.588	≤ 26.22	Pass

Note:

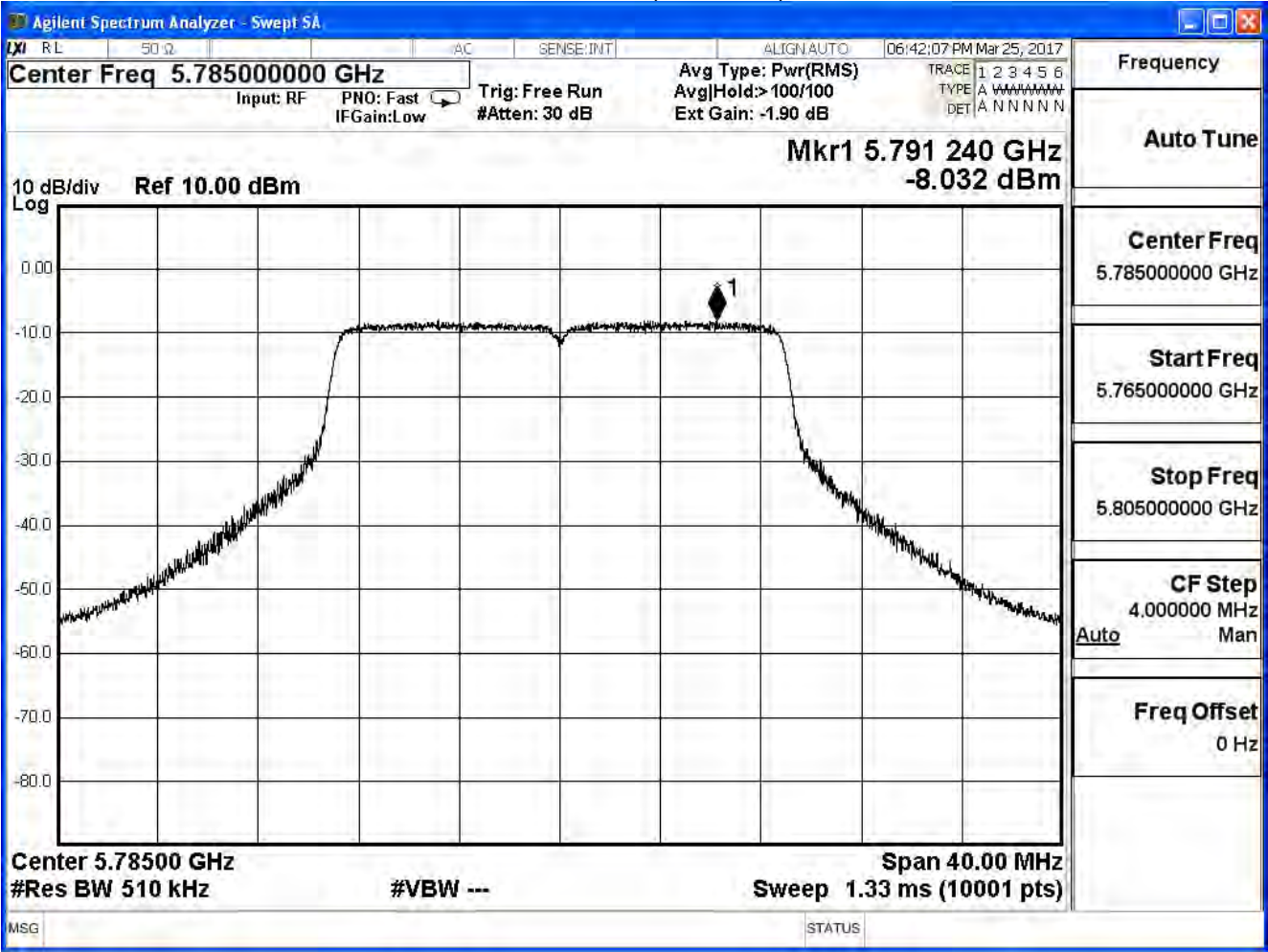
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

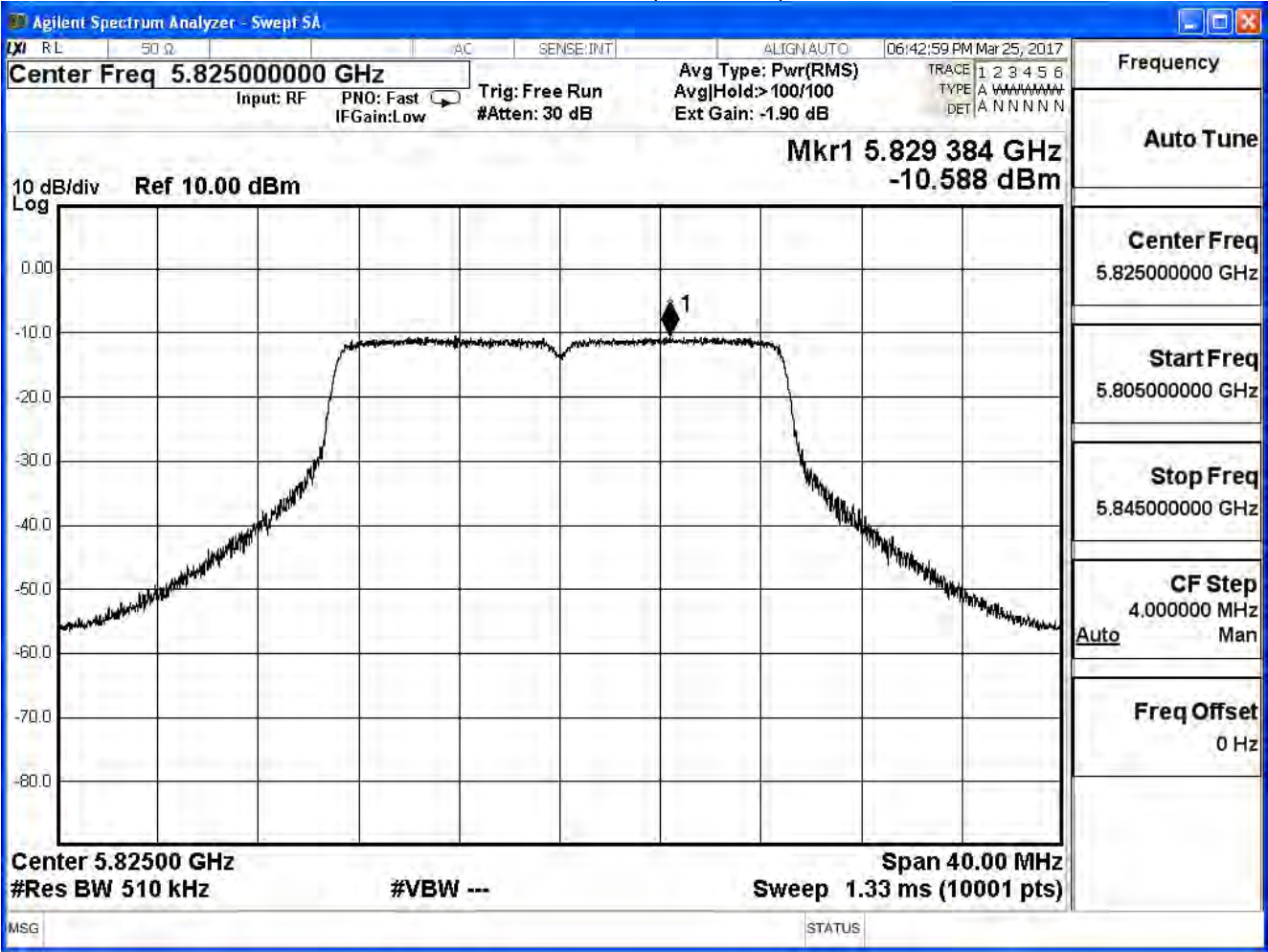
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 2)

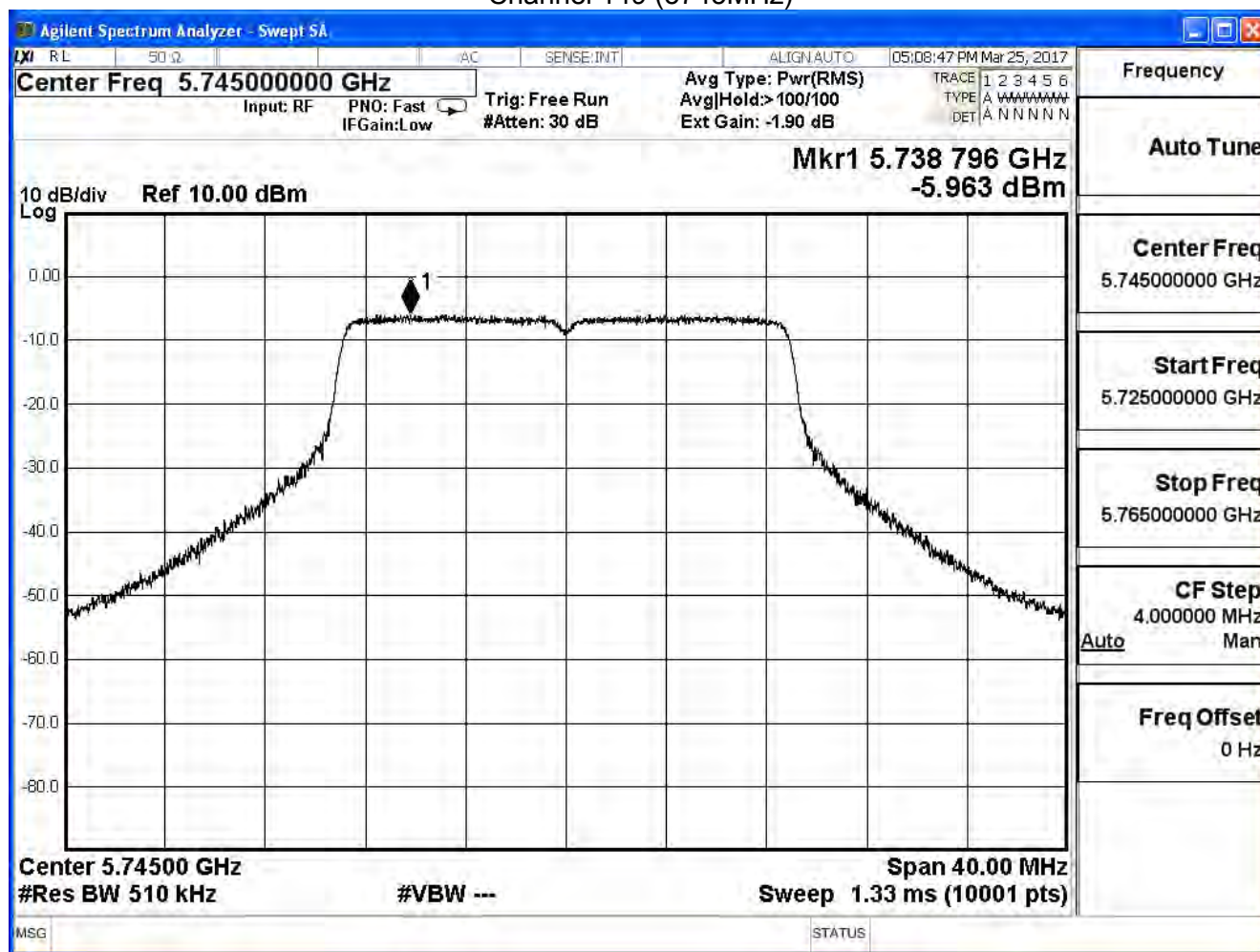
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-5.963	≤ 26.22	Pass
157	5785	-8.135	≤ 26.22	Pass
165	5825	-9.934	≤ 26.22	Pass

Note:

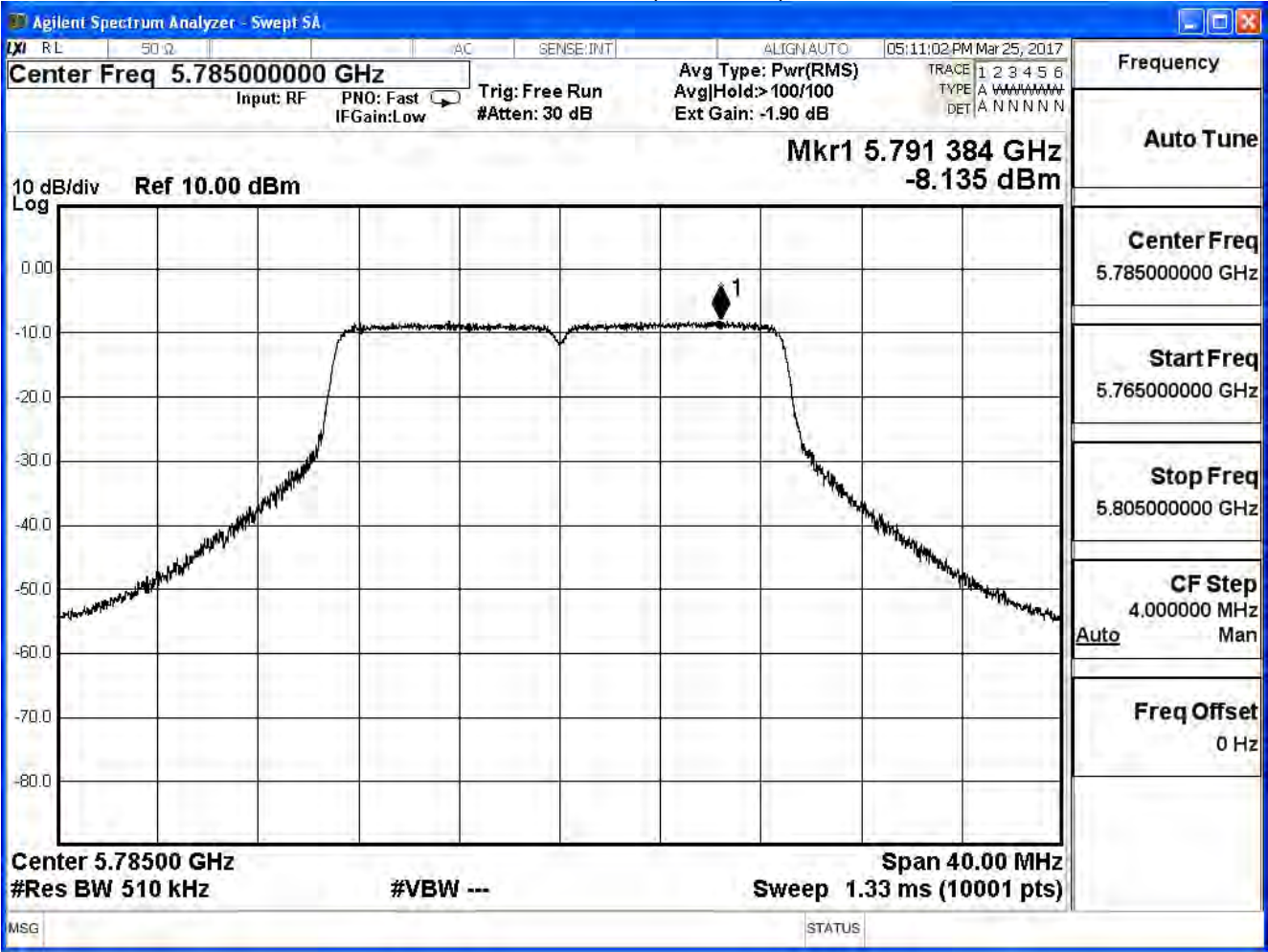
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

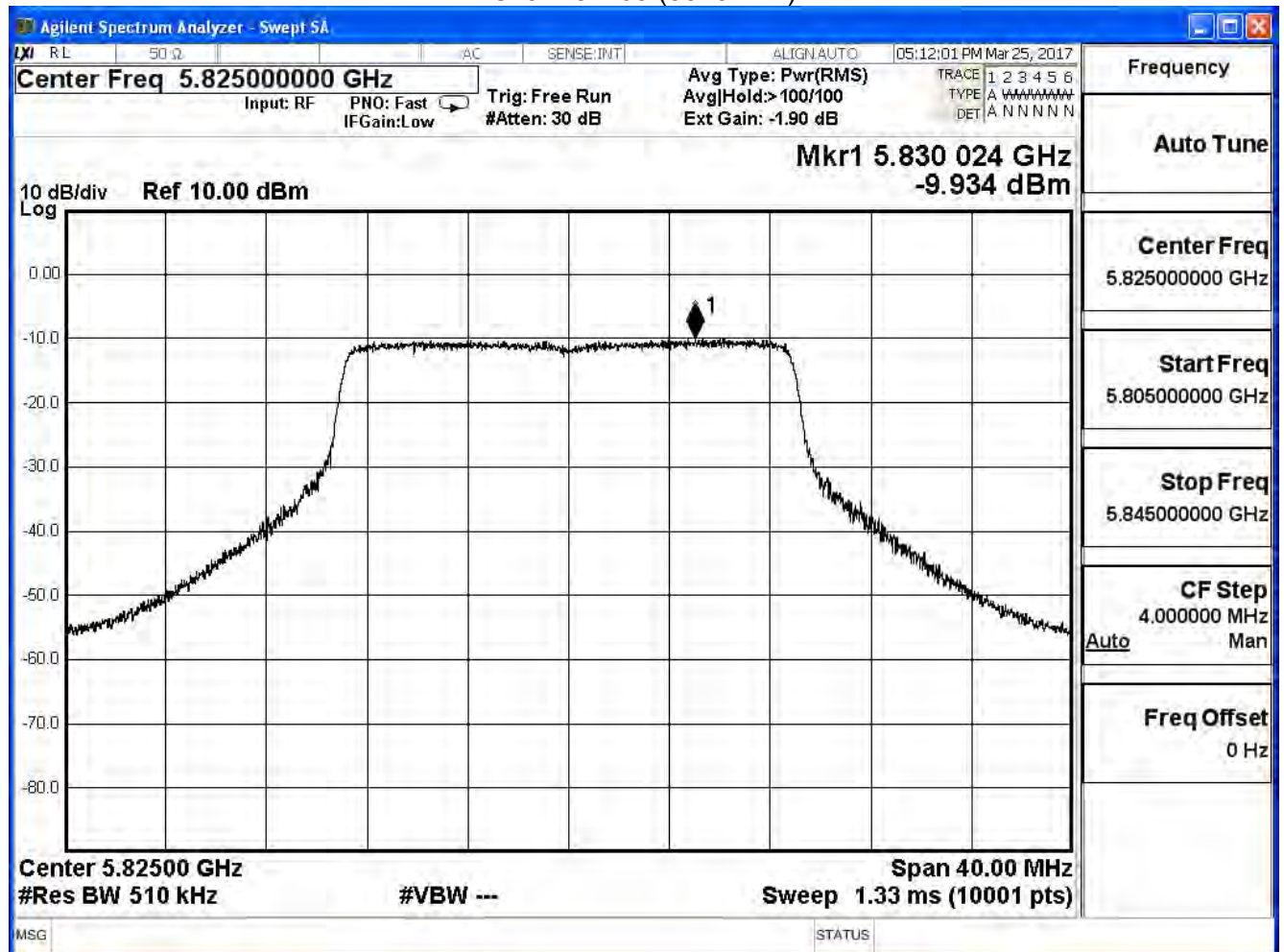
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 3)

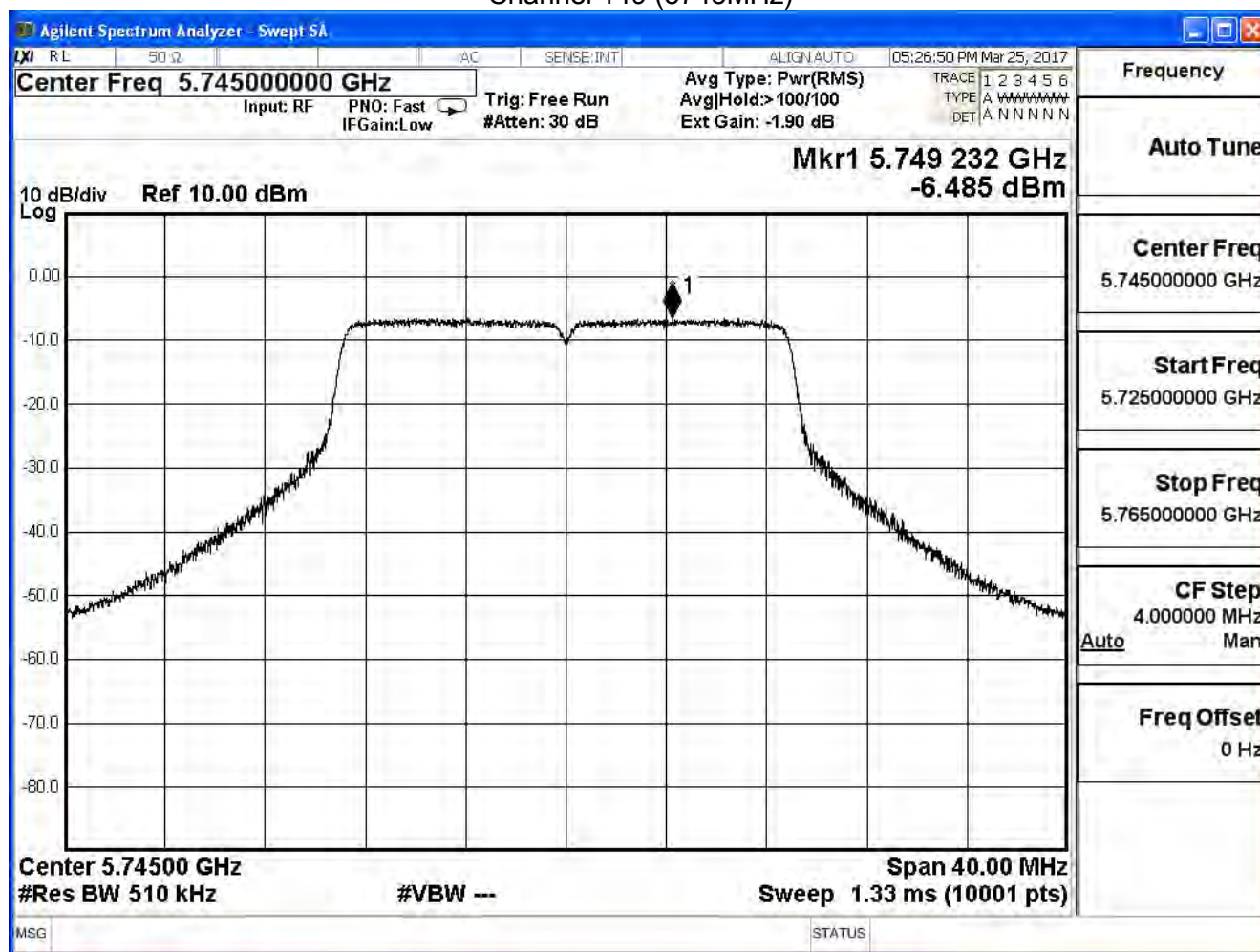
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-6.485	≤ 26.22	Pass
157	5785	-7.864	≤ 26.22	Pass
165	5825	-9.585	≤ 26.22	Pass

Note:

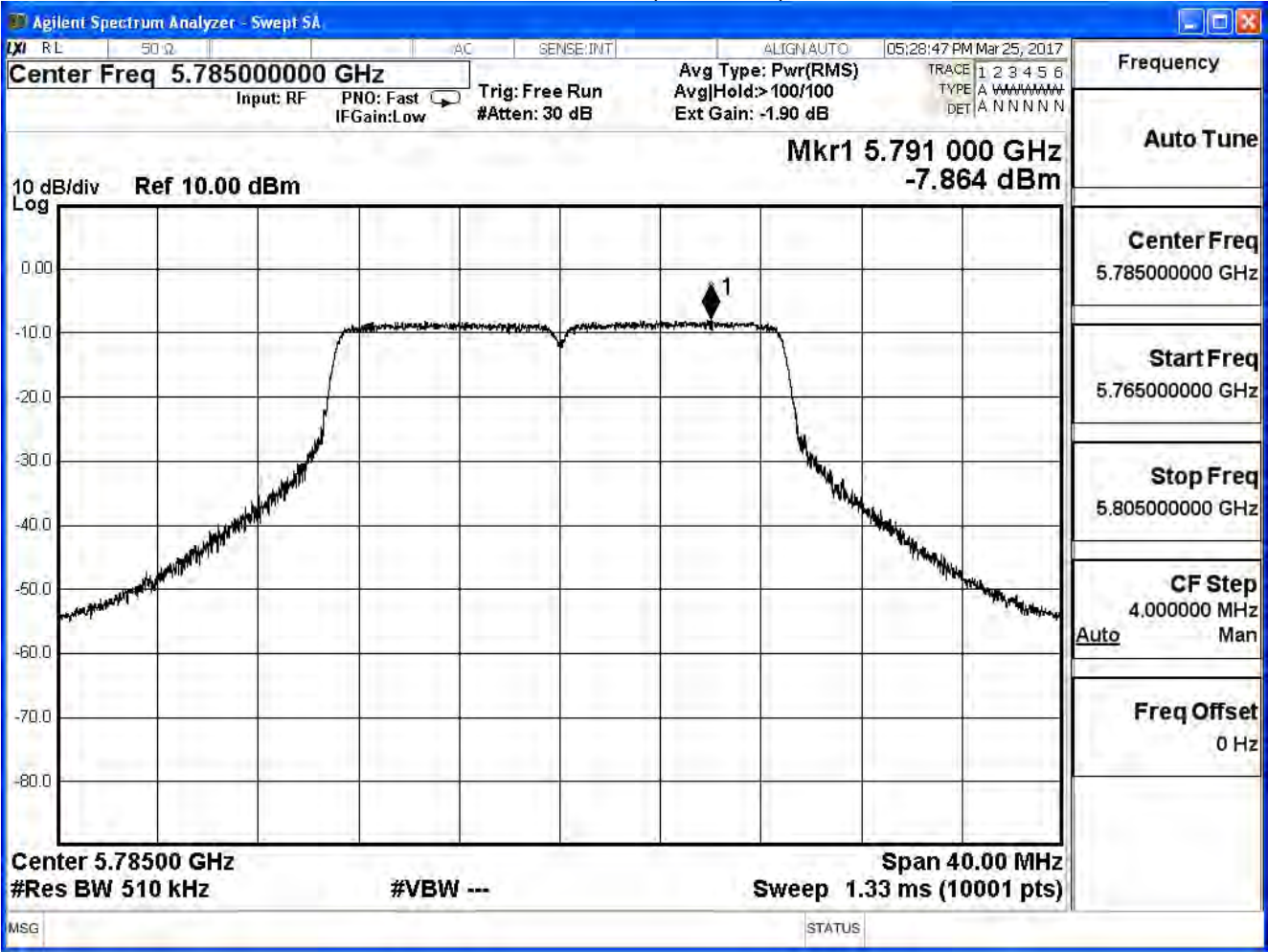
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

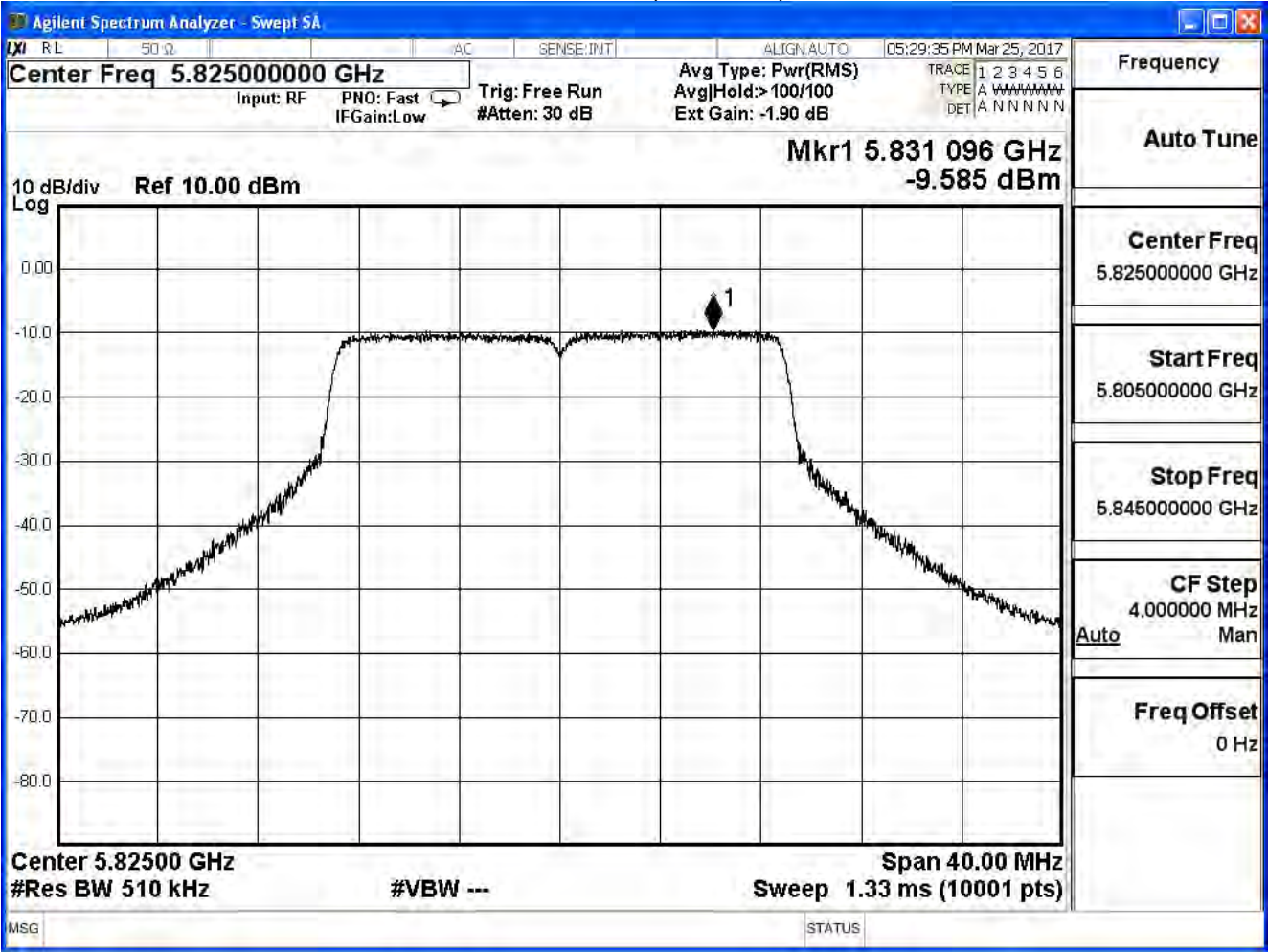
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 4)

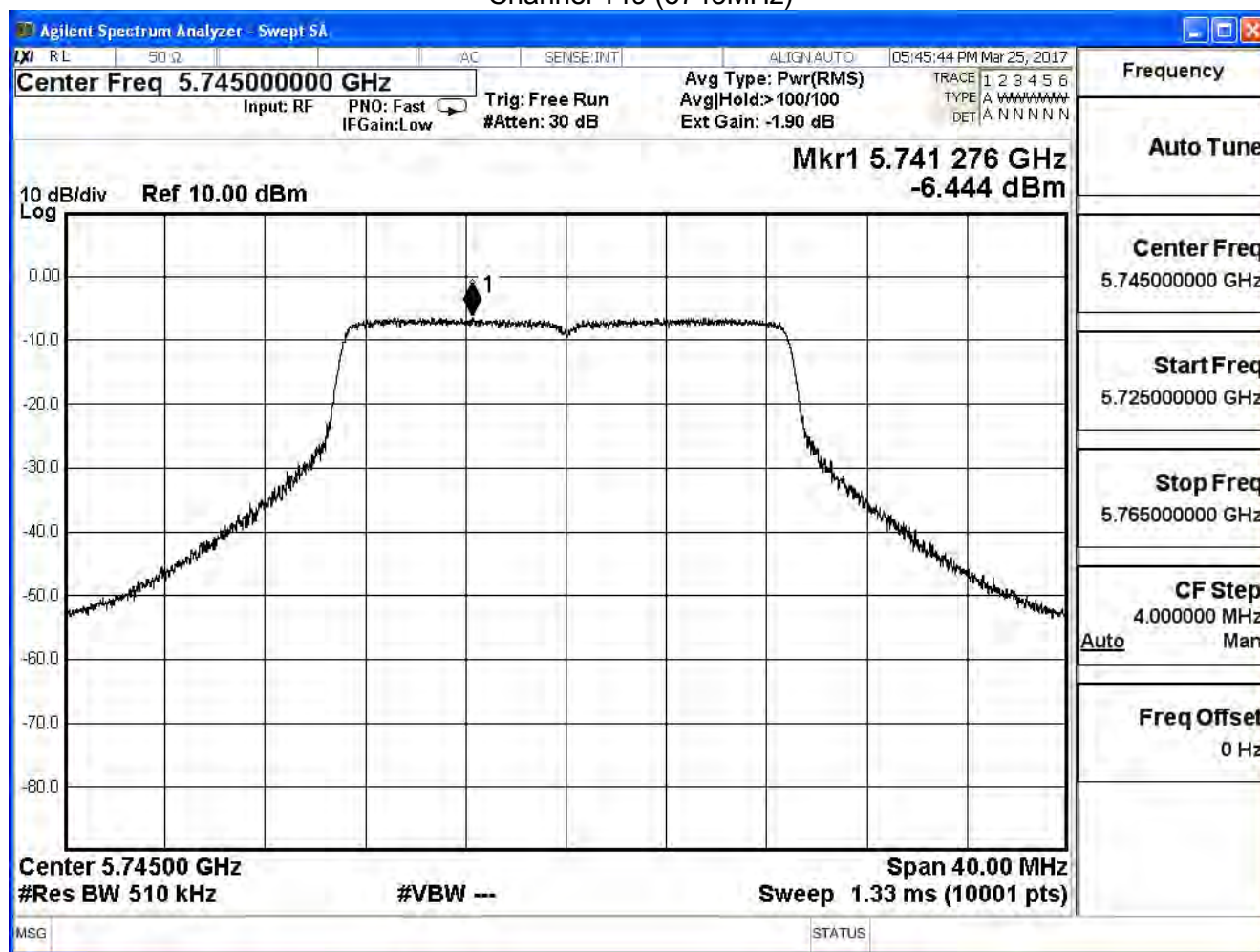
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-6.444	≤ 26.22	Pass
157	5785	-8.013	≤ 26.22	Pass
165	5825	-8.206	≤ 26.22	Pass

Note:

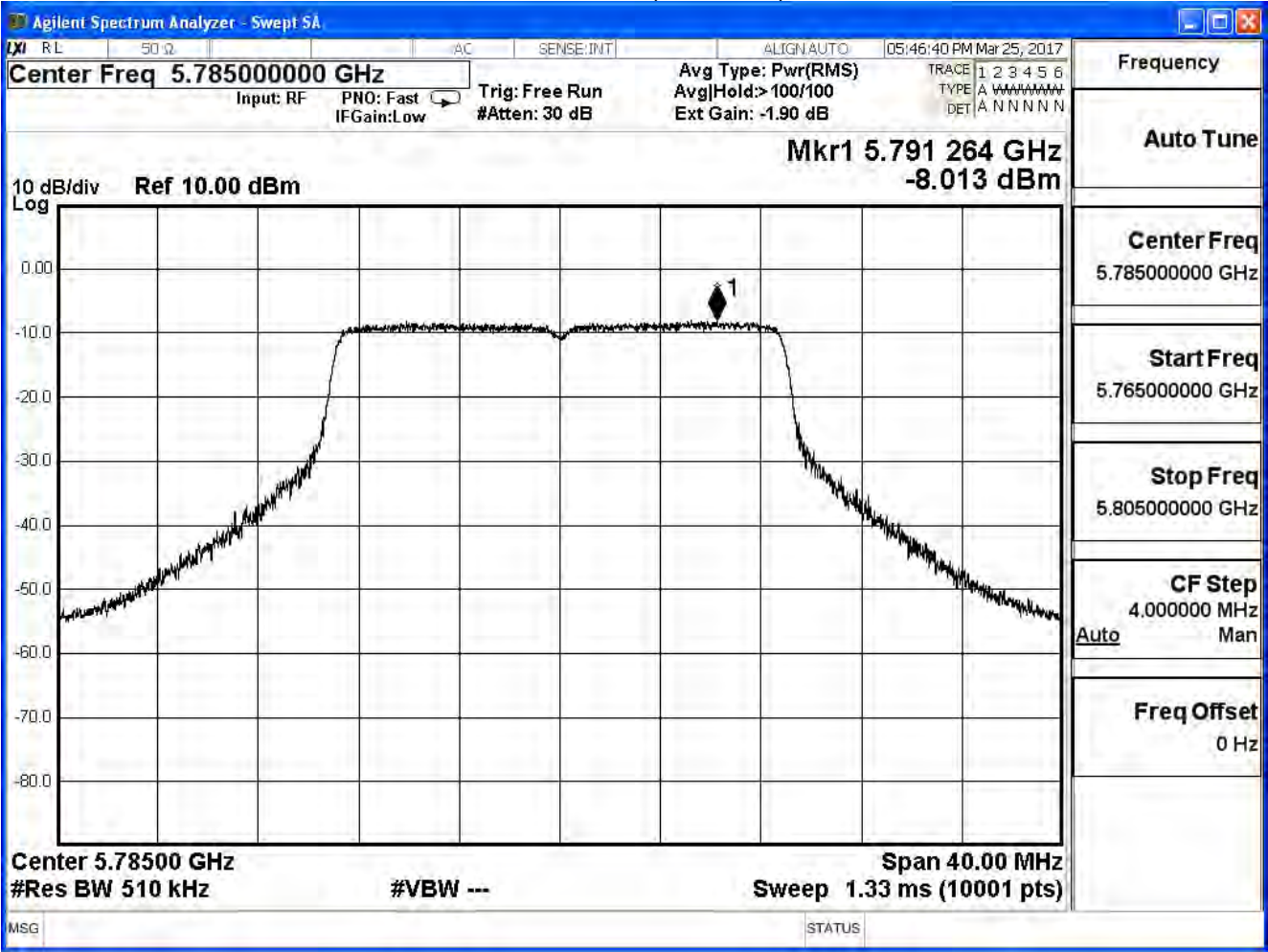
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

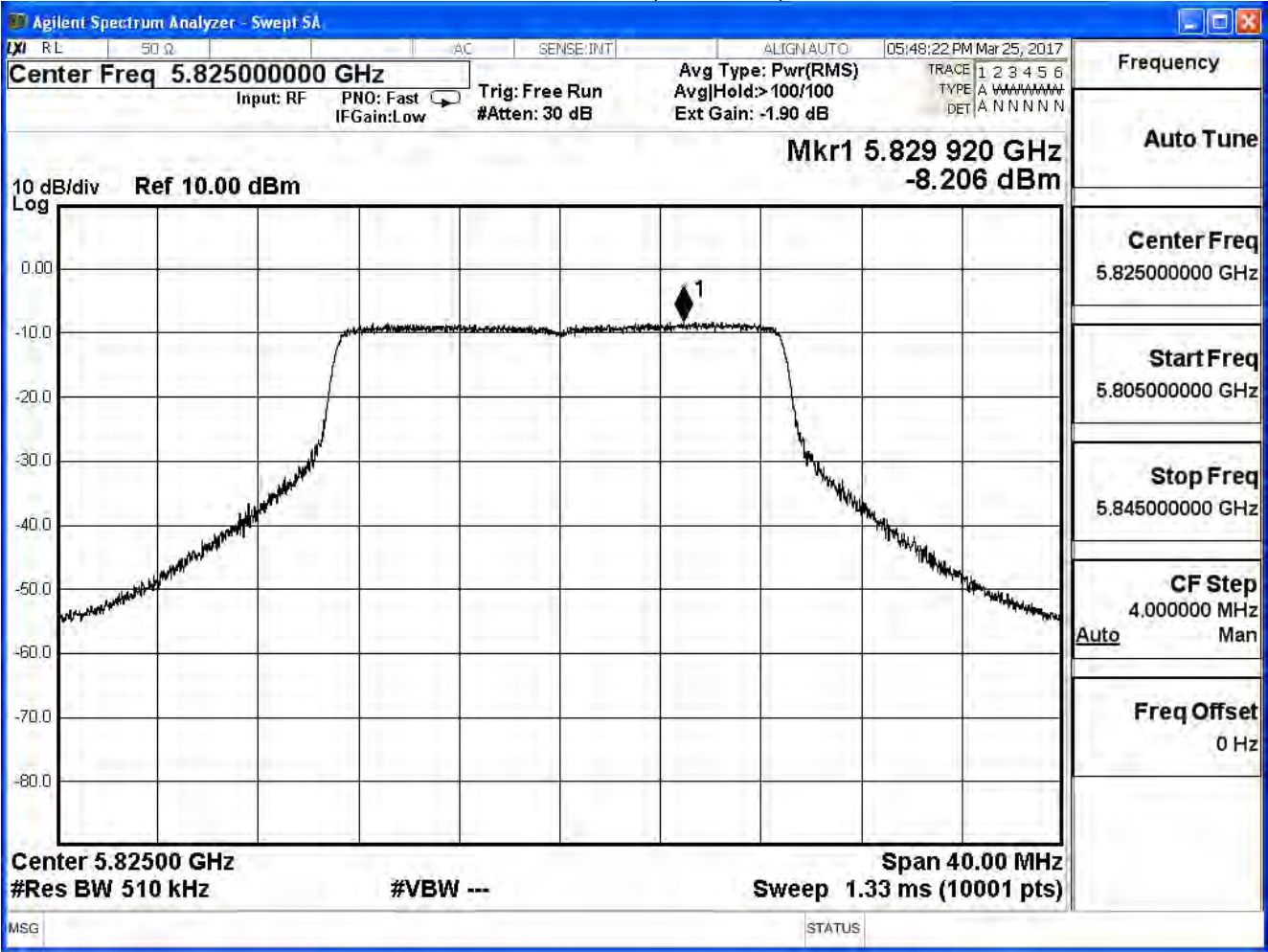
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 5)

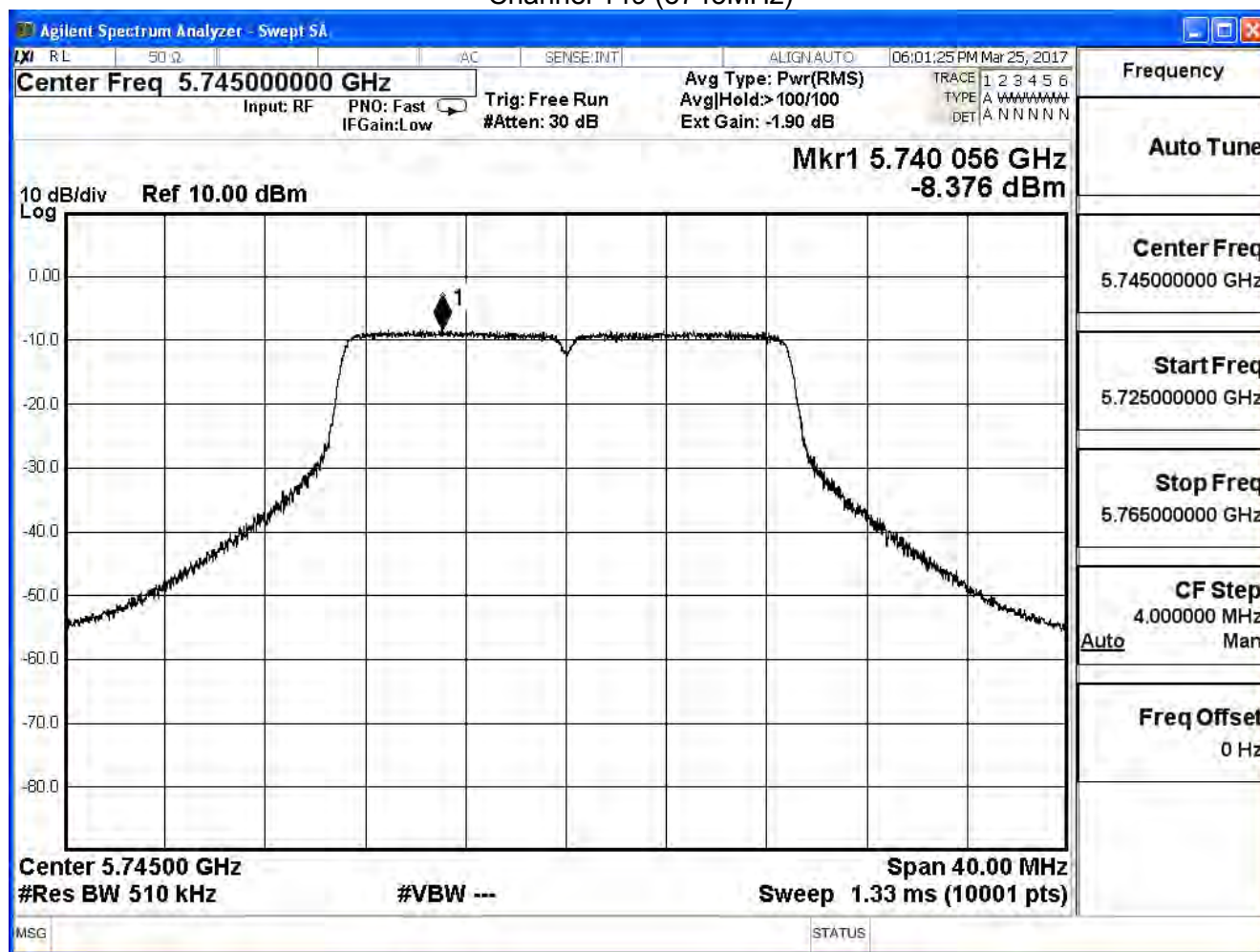
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-8.376	≤ 26.22	Pass
157	5785	-10.533	≤ 26.22	Pass
165	5825	-11.903	≤ 26.22	Pass

Note:

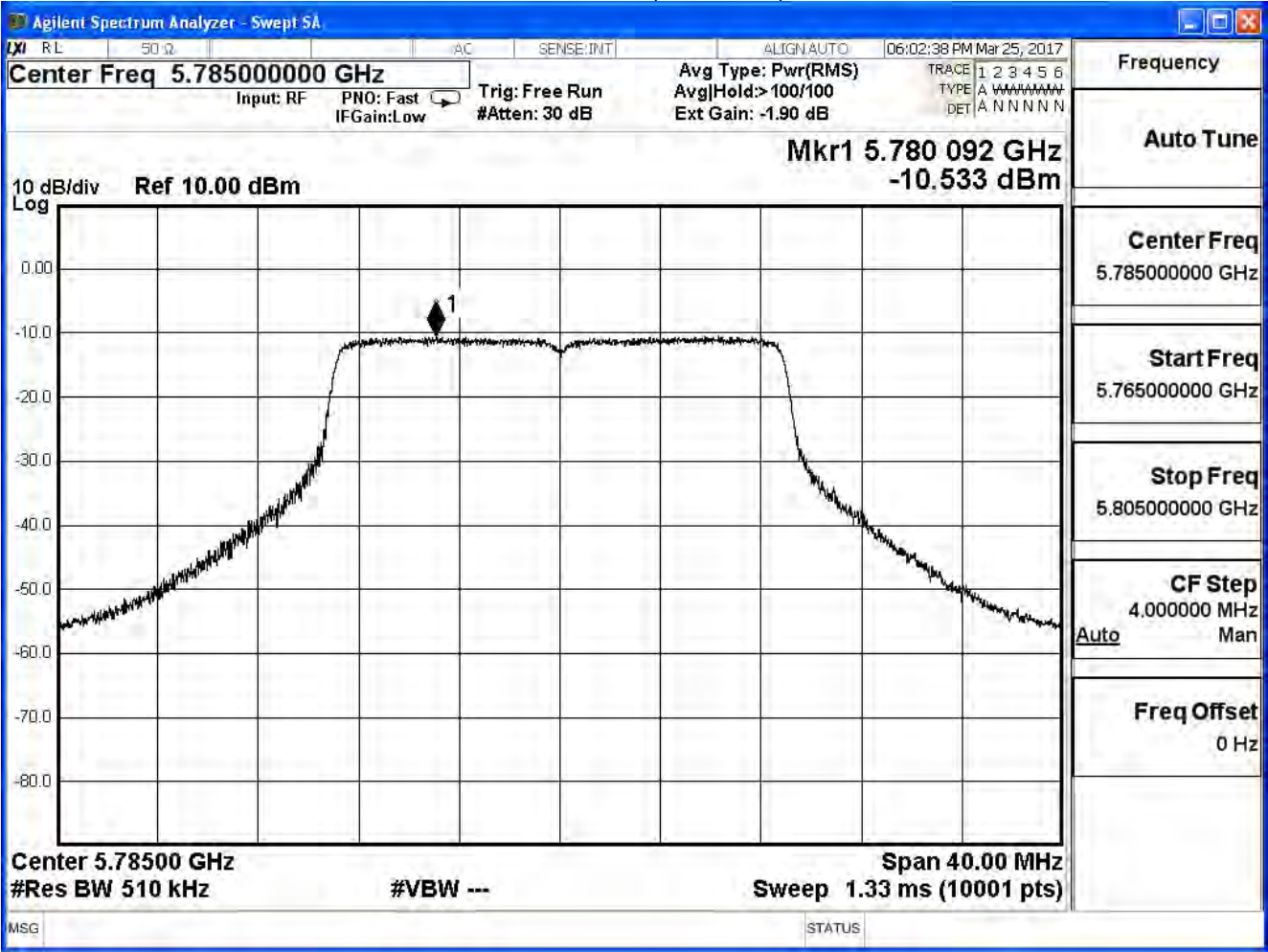
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

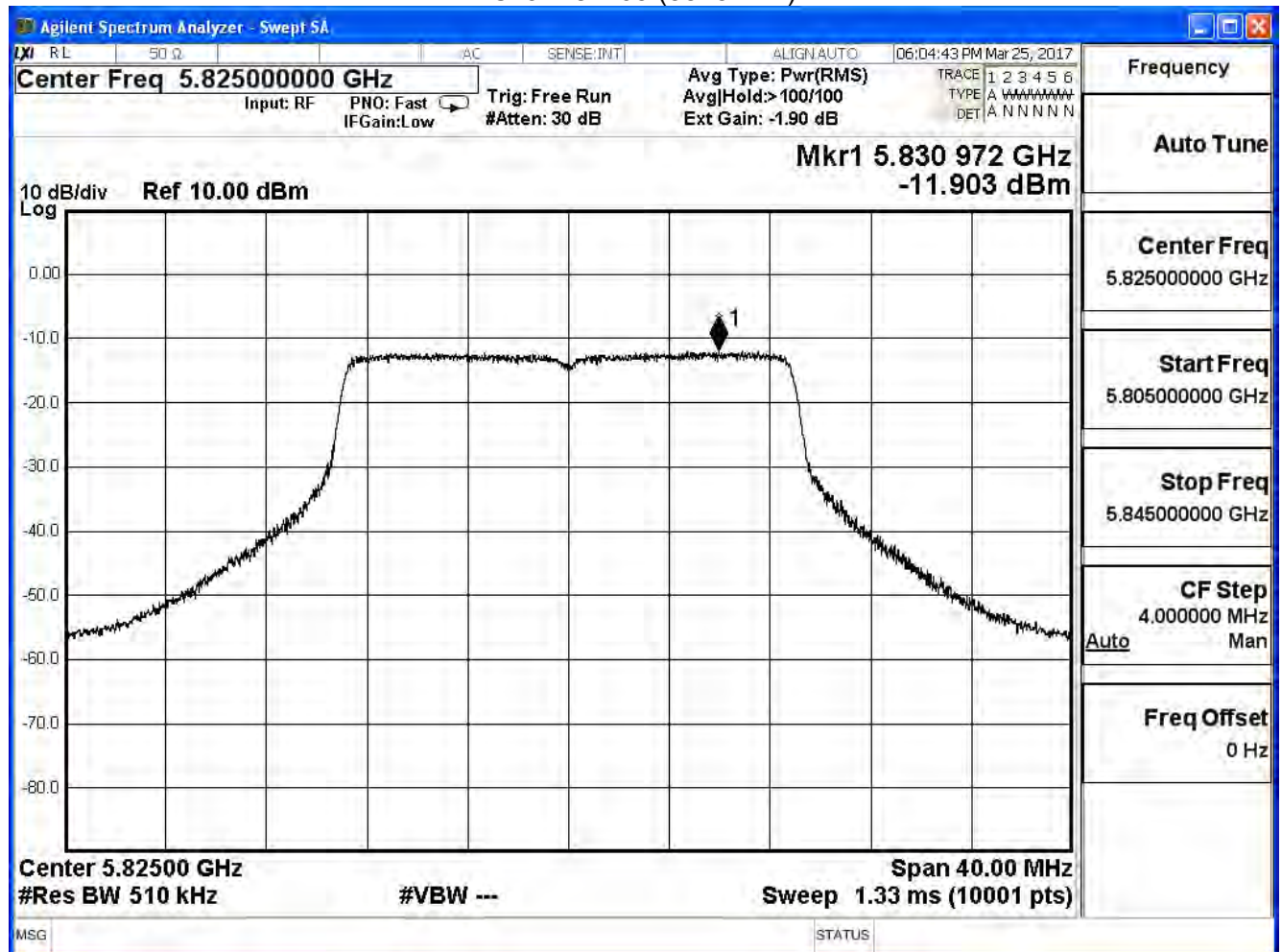
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1+2+3+4+5)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	1.253	≤ 26.22	Pass
157	5785	-0.630	≤ 26.22	Pass
165	5825	-2.172	≤ 26.22	Pass

Note:

Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

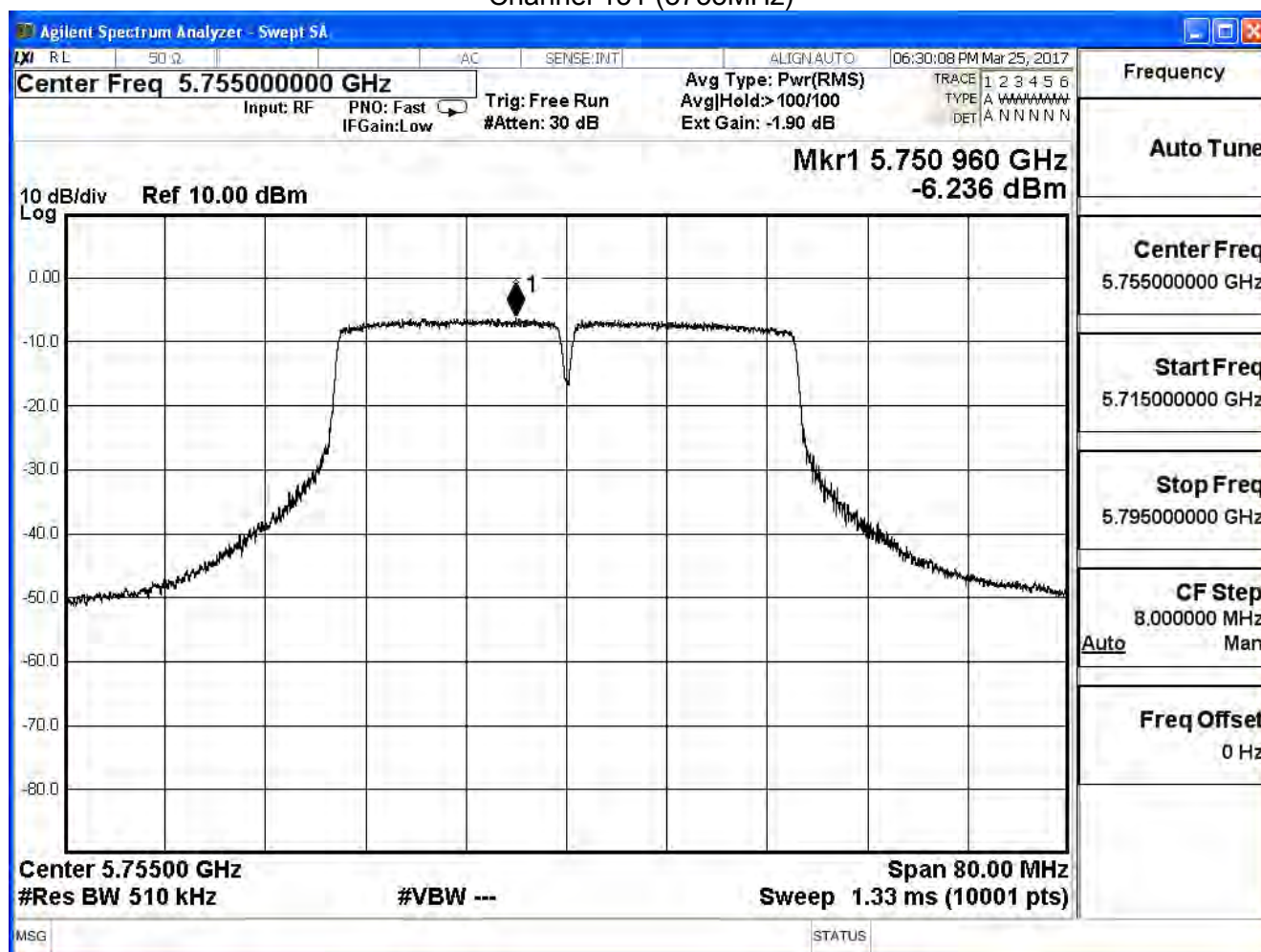
IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-6.236	≤ 26.22	Pass
159	5795	-10.531	≤ 26.22	Pass

Note:

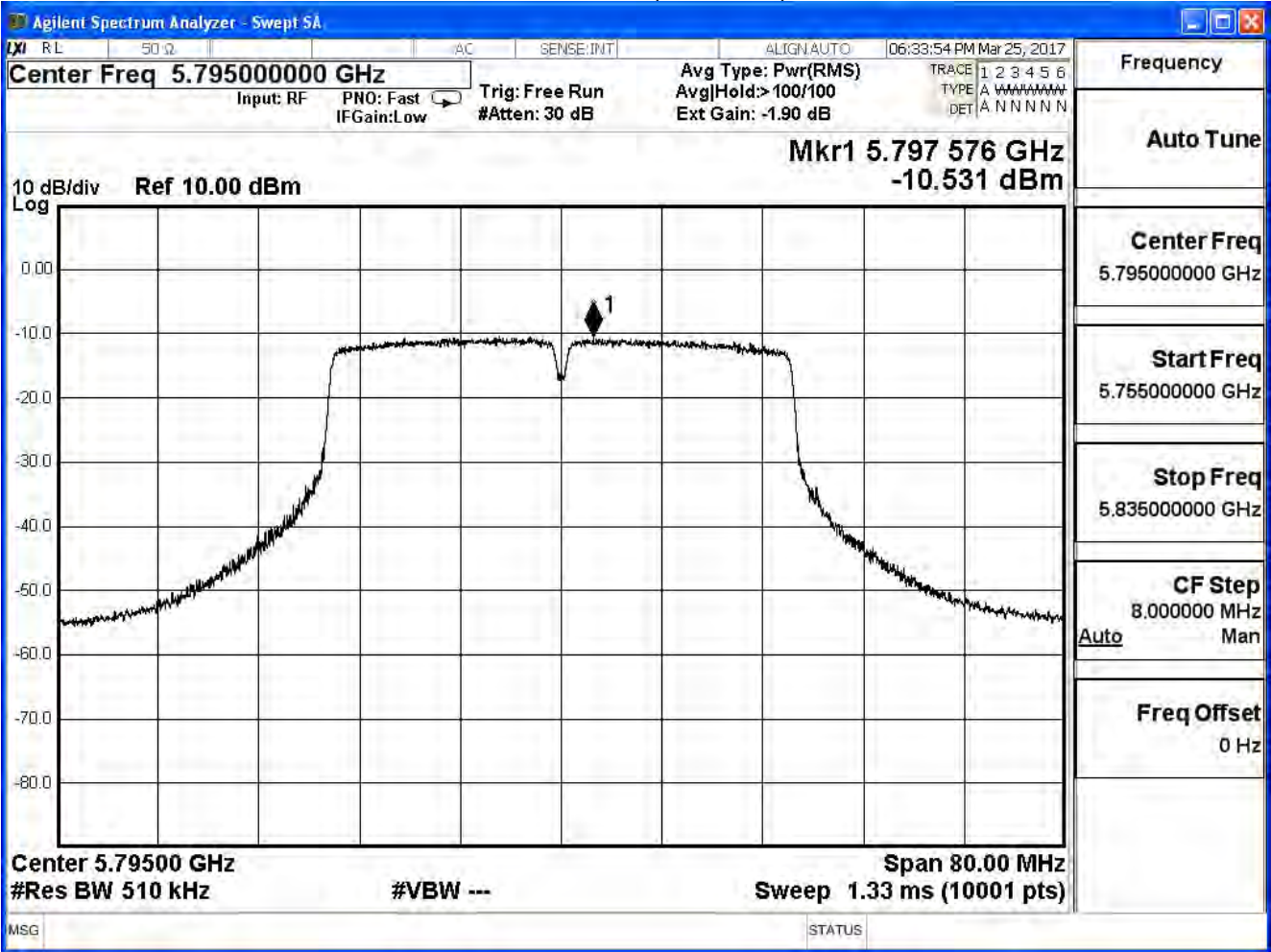
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

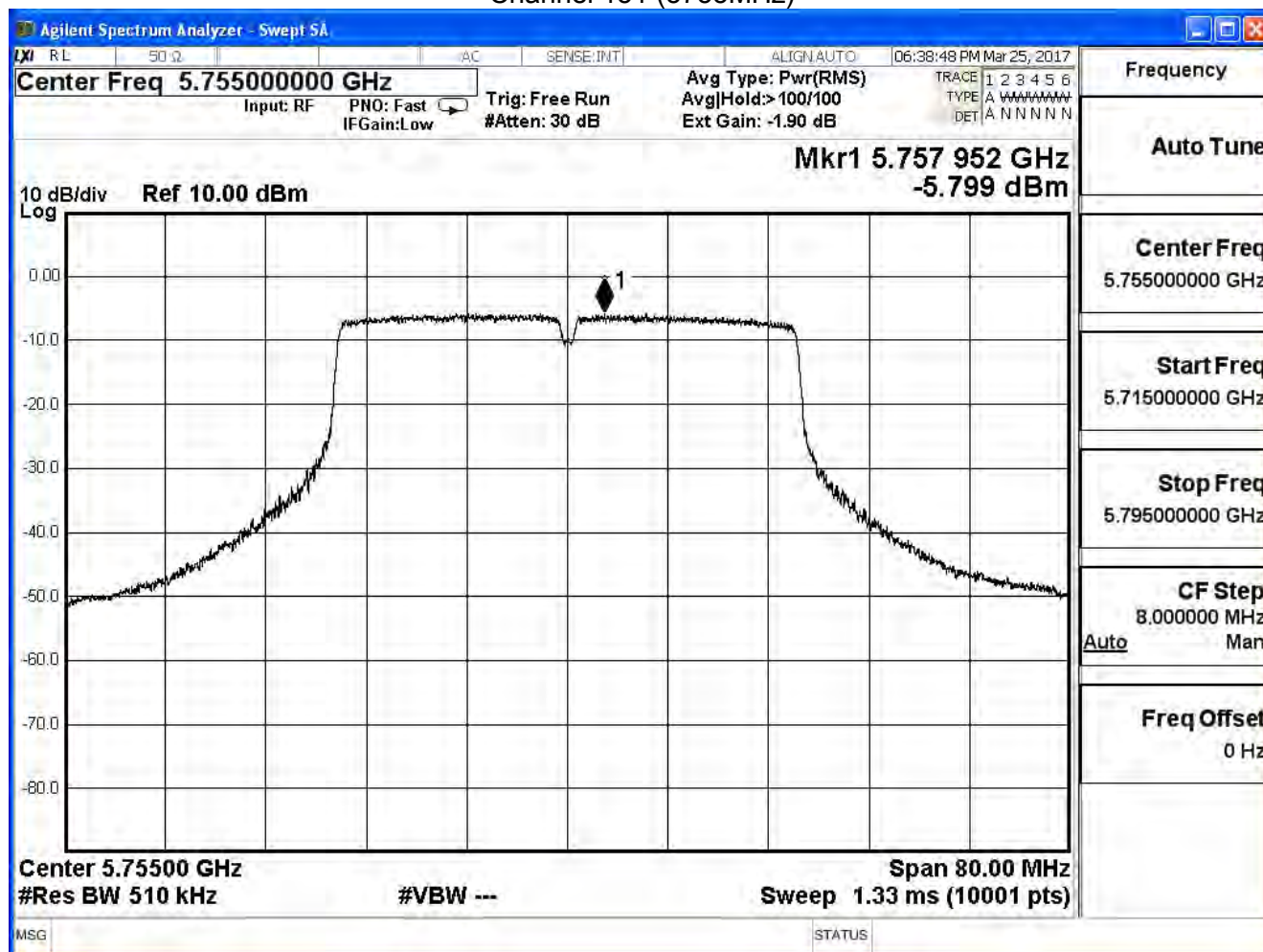
IEEE 802.11n(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-5.799	≤ 26.22	Pass
159	5795	-10.727	≤ 26.22	Pass

Note:

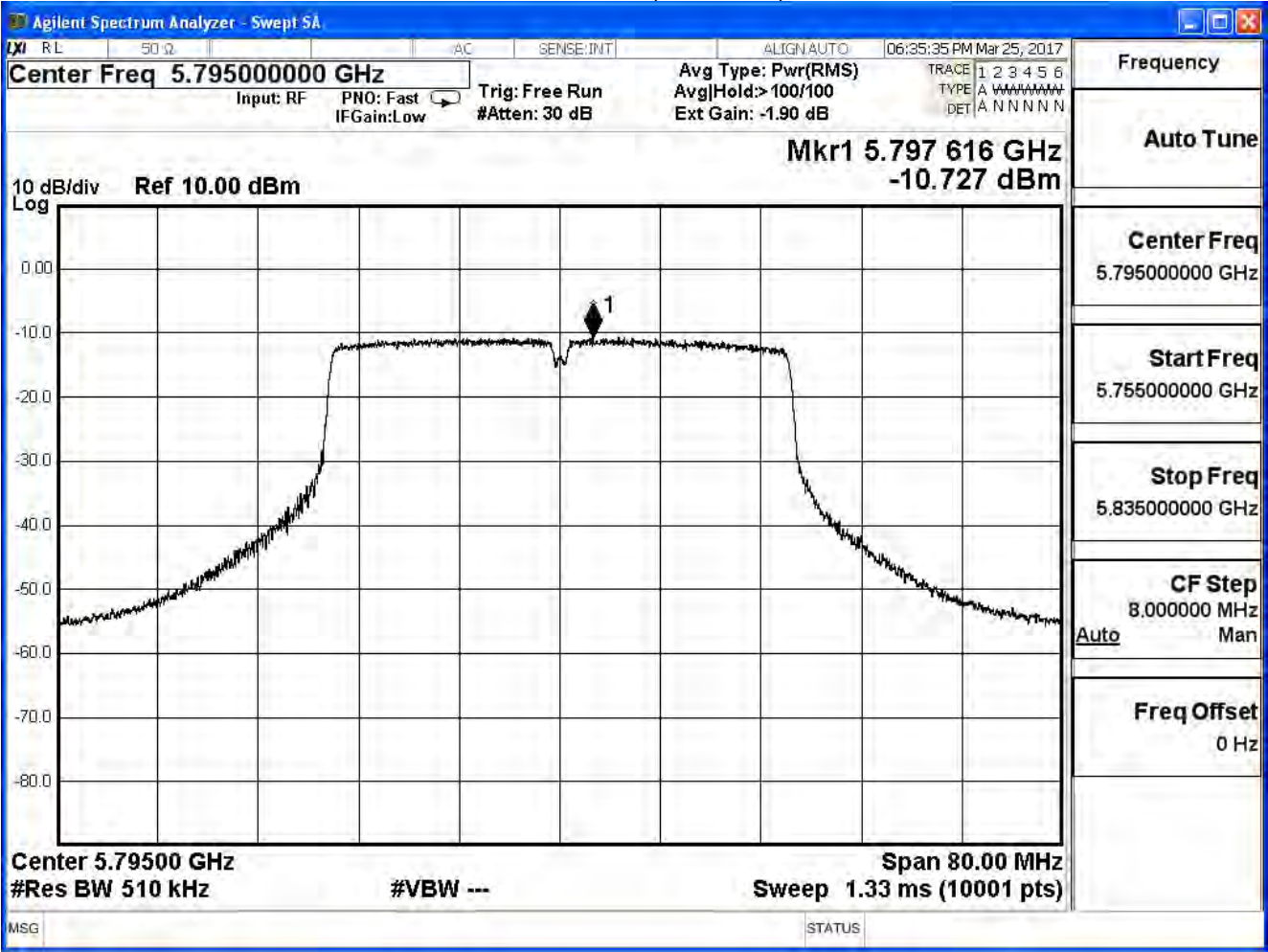
Directional gain= $10\log(\text{ANT N})+\text{Gain}=7.78+2=9.78$

Limit = $30\text{dBm}-(9.78\text{dBi}-6\text{dBi})=26.22\text{dBm}$

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 2)

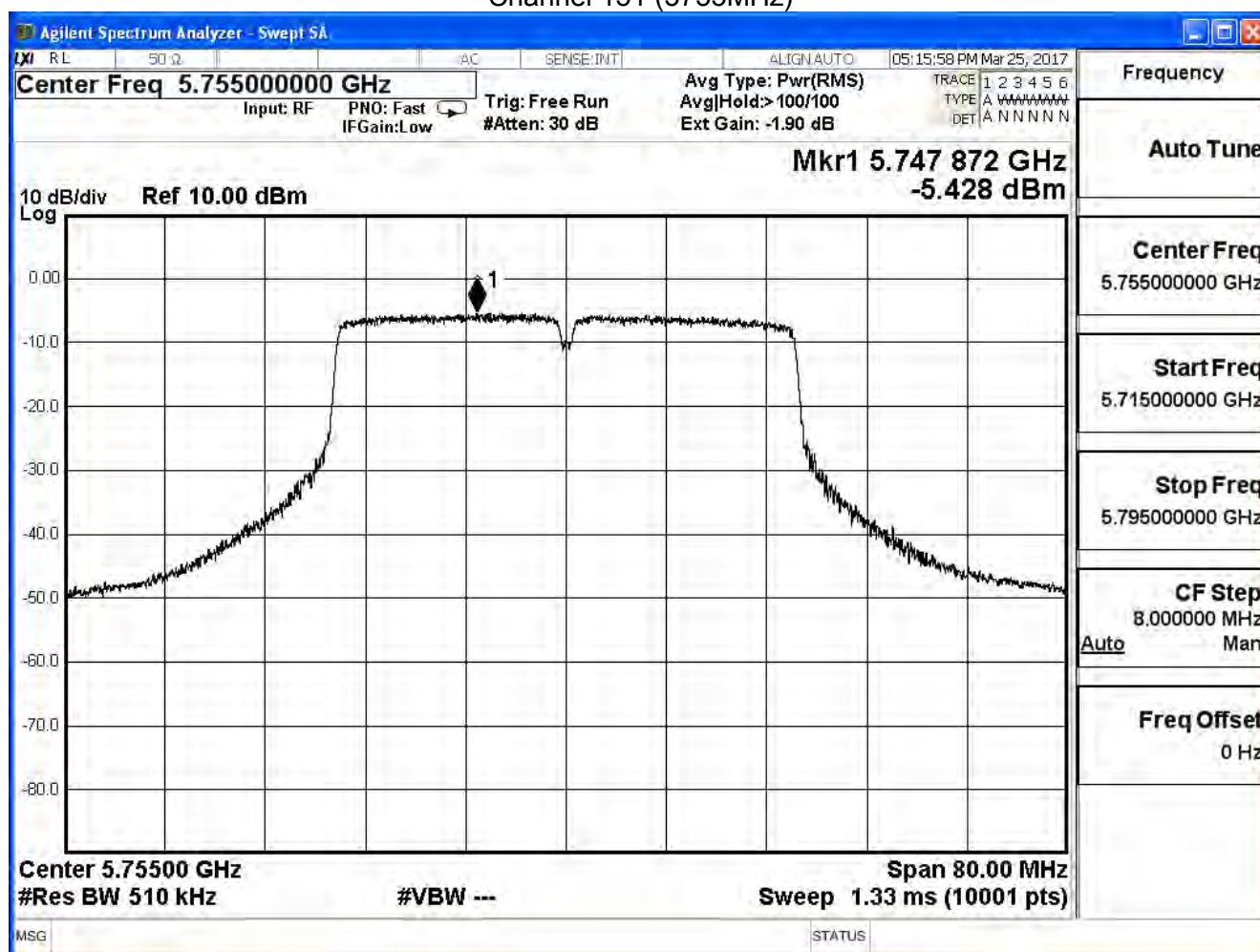
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-5.428	≤ 26.22	Pass
159	5795	-10.549	≤ 26.22	Pass

Note:

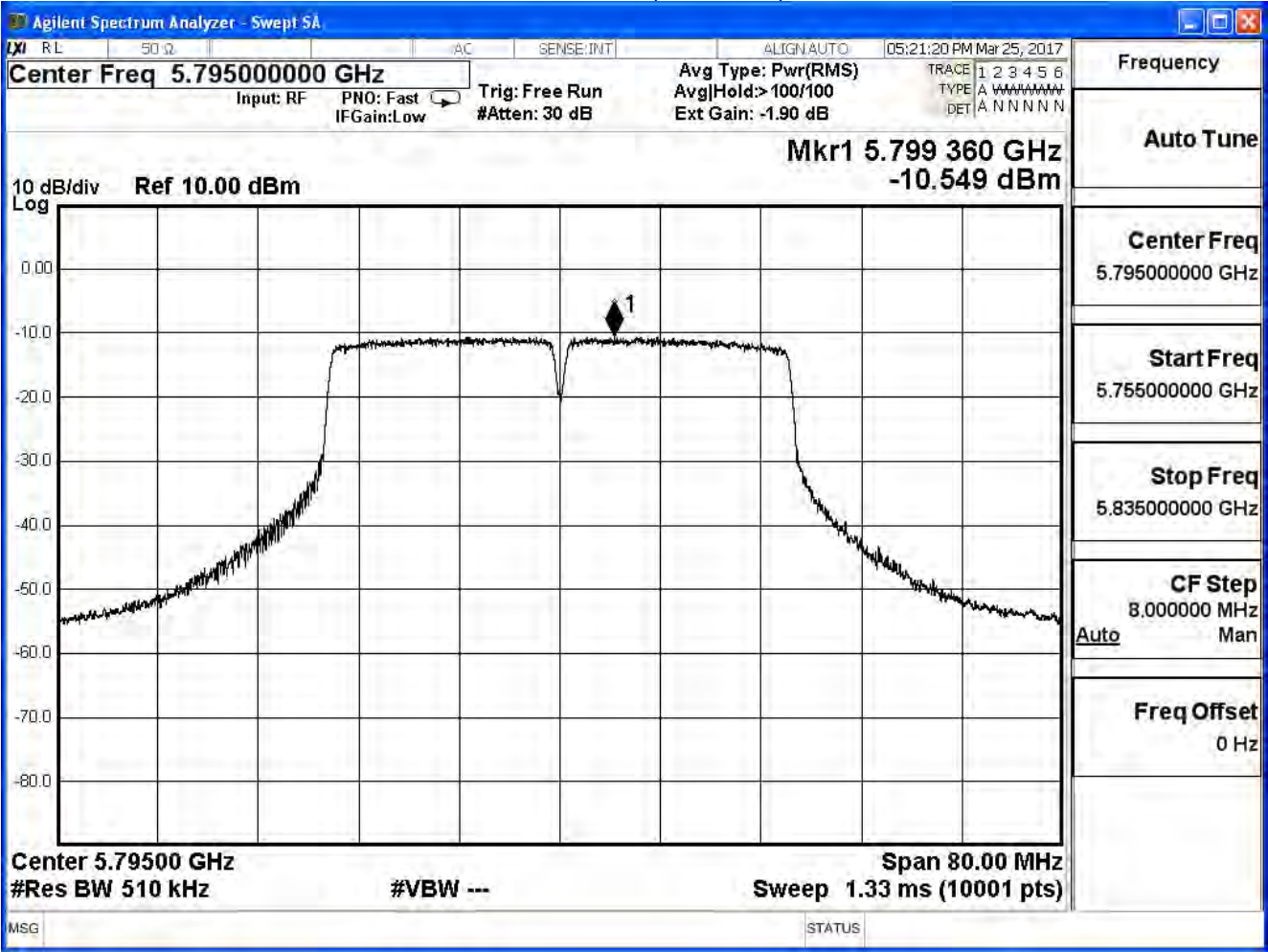
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 3)

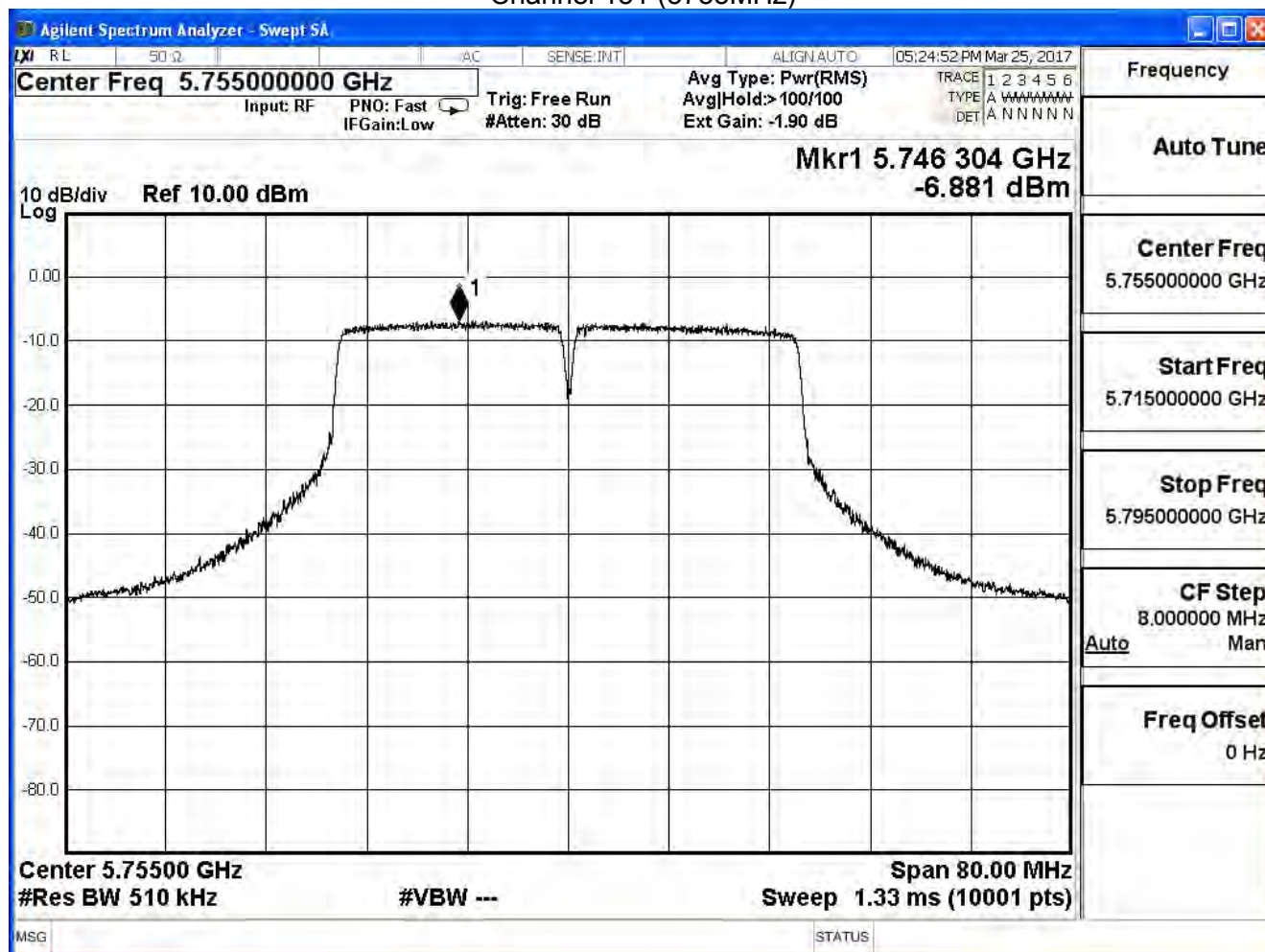
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-6.881	≤ 26.22	Pass
159	5795	-10.258	≤ 26.22	Pass

Note:

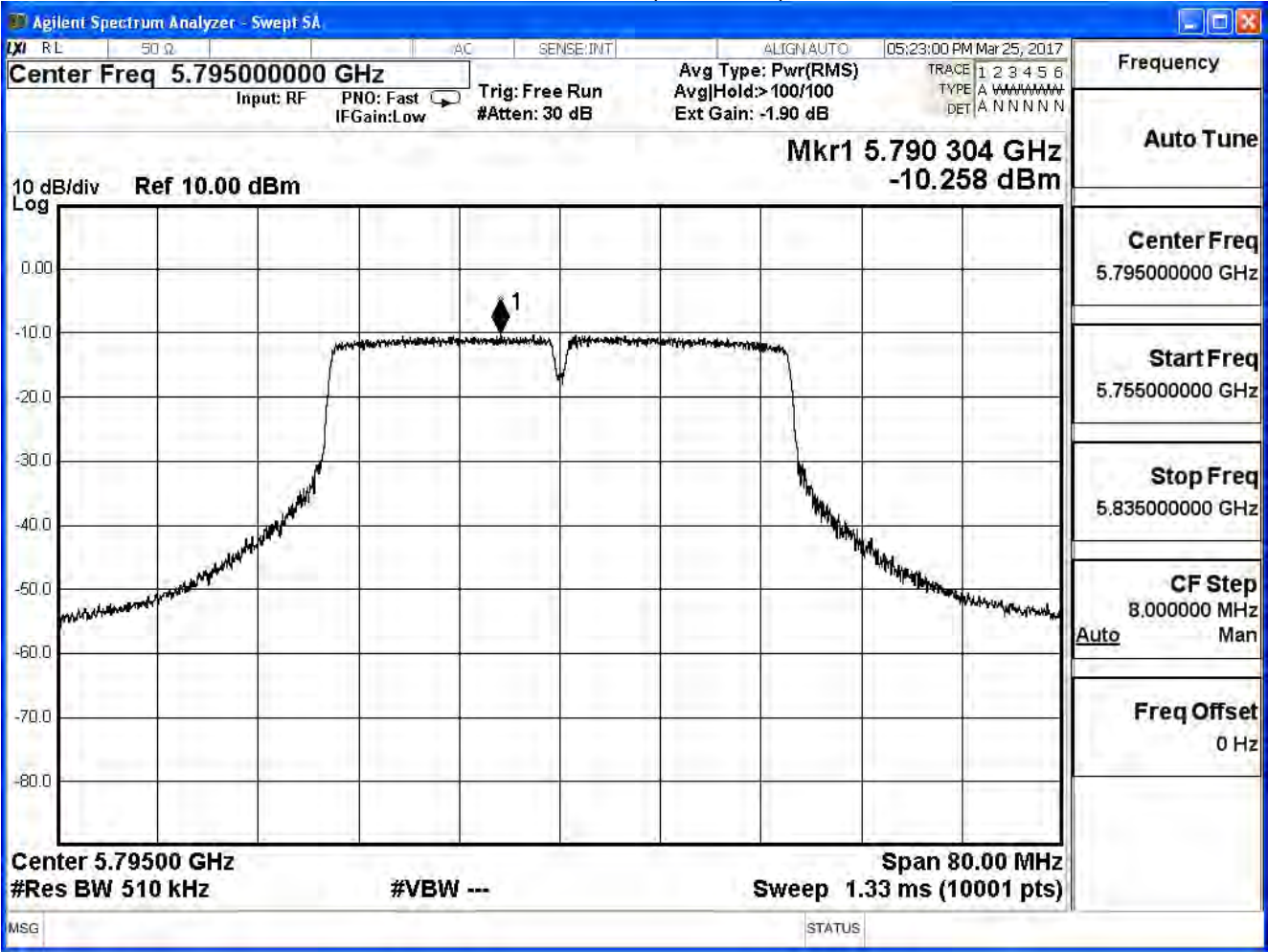
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

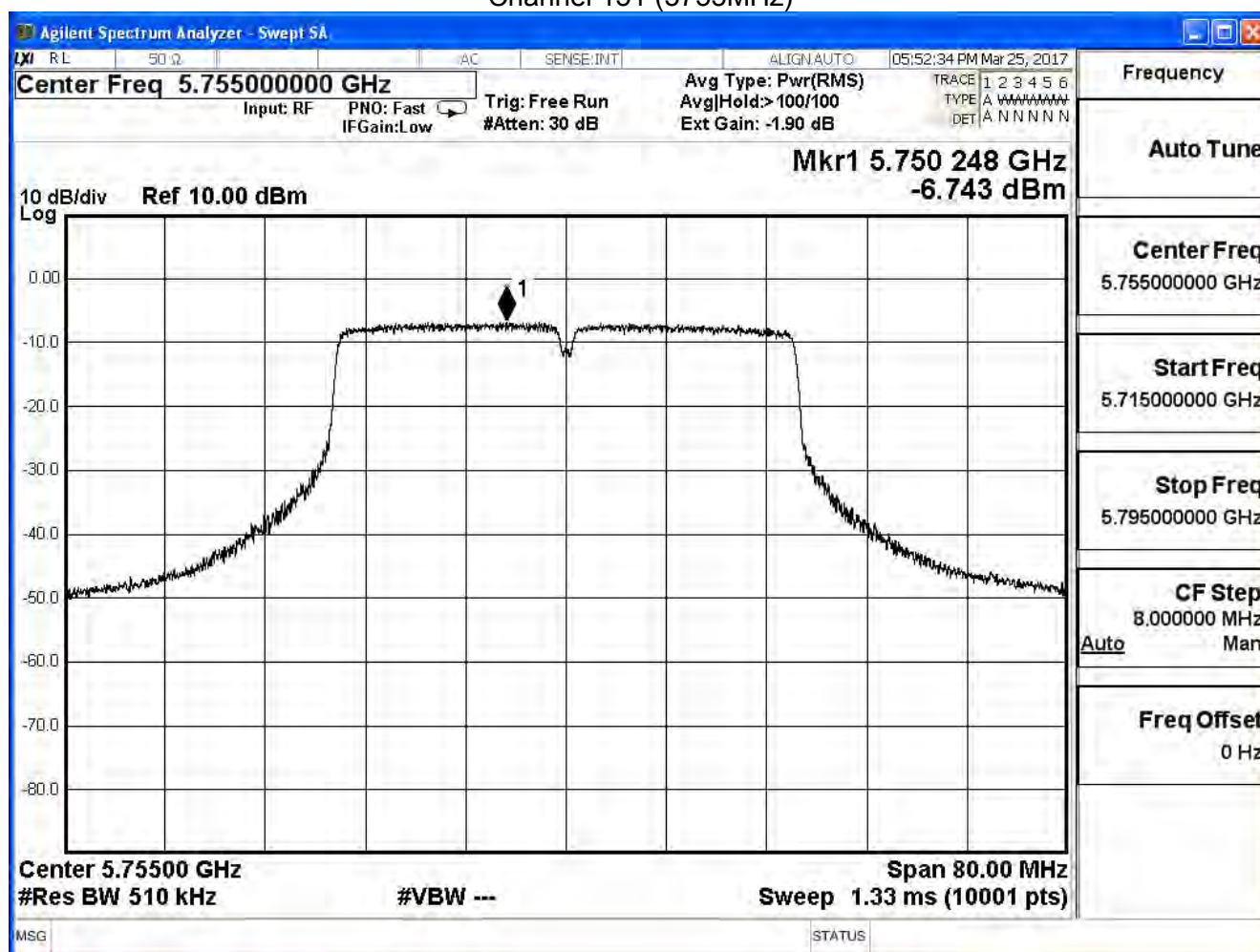
IEEE 802.11n(40MHz) (ANT 4)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-6.743	≤ 26.22	Pass
159	5795	-9.636	≤ 26.22	Pass

Note:

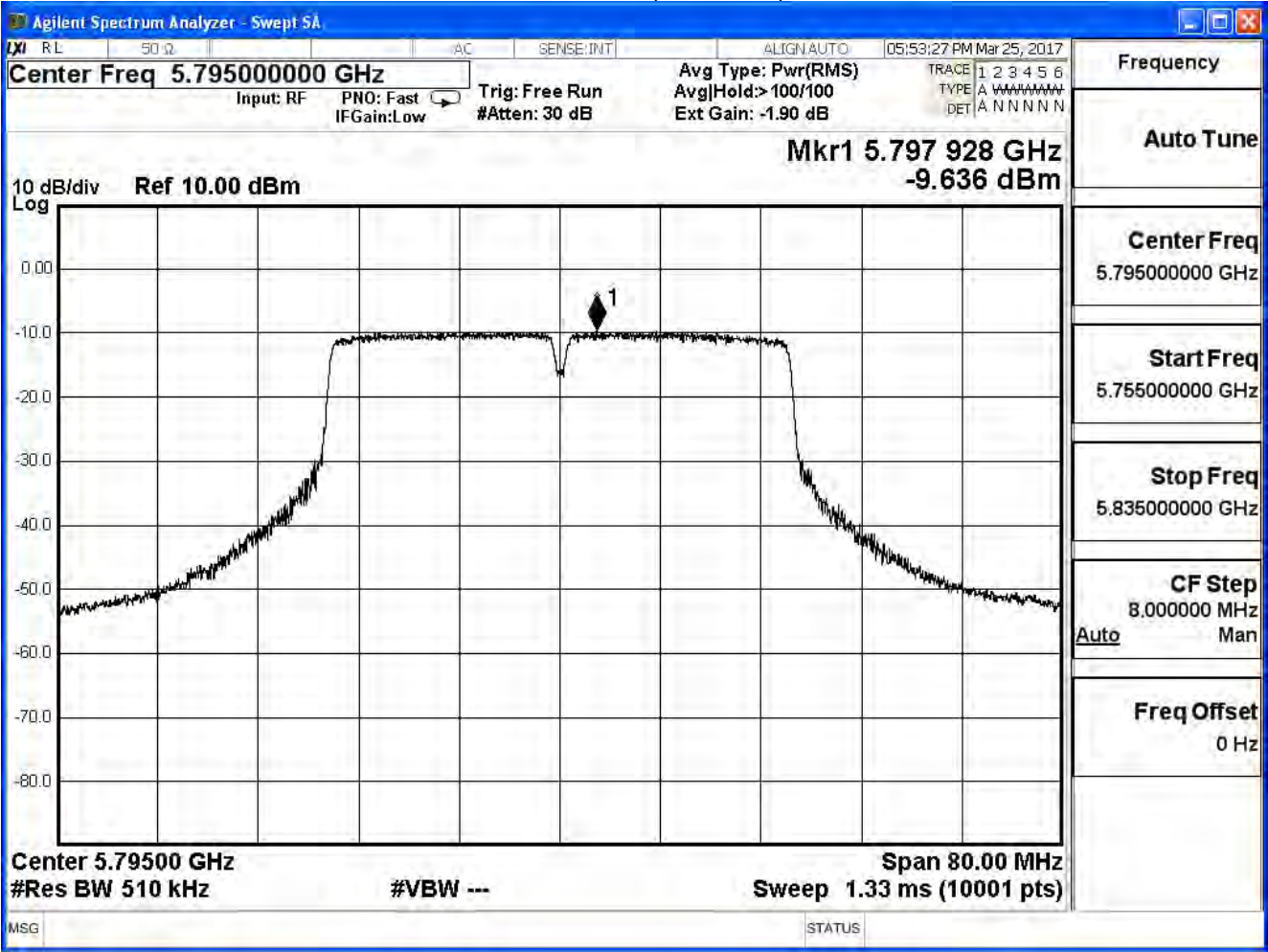
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 5)

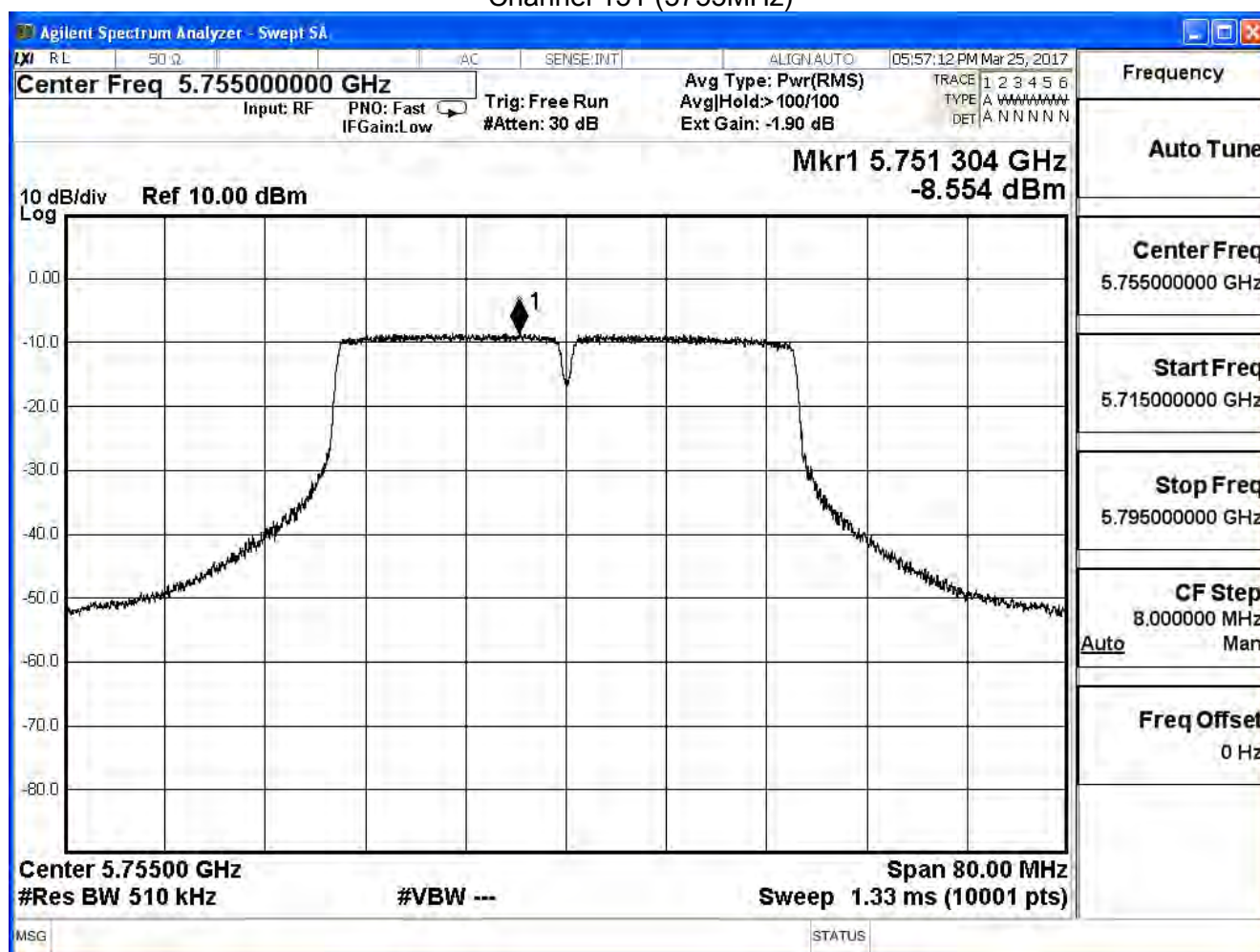
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-8.554	≤ 26.22	Pass
159	5795	-11.649	≤ 26.22	Pass

Note:

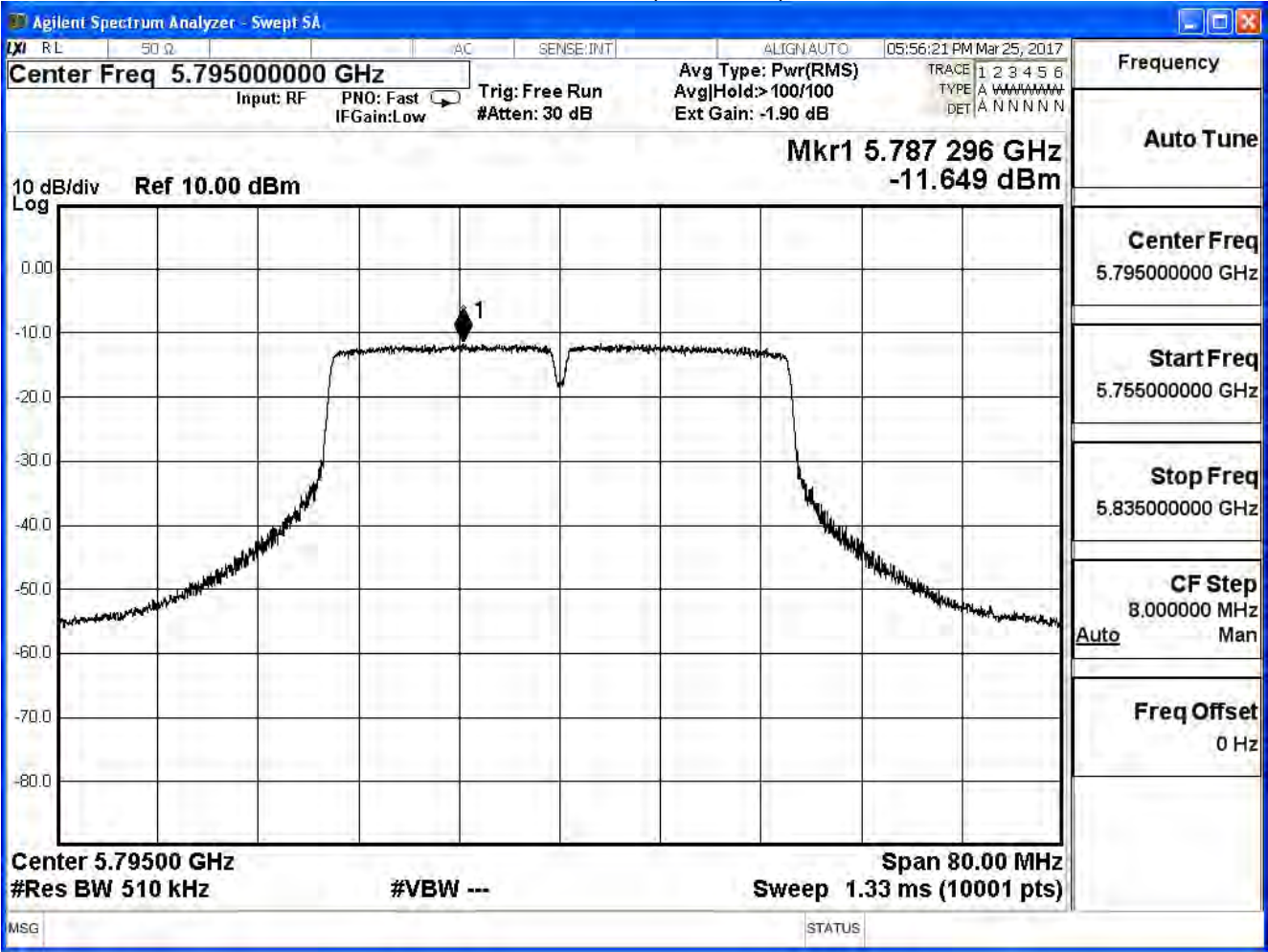
Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Outdoor 5G MIMO-OFDM Radio		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Transmit		
Date of Test	2017/03/25	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1+2+3+4+5)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	1.283	≤ 26.22	Pass
159	5795	-2.736	≤ 26.22	Pass

Note:

Directional gain=10log(ANT N)+Gain=7.78+2=9.78

Limit =30dBm-(9.78dBi-6dBi)=26.22dBm