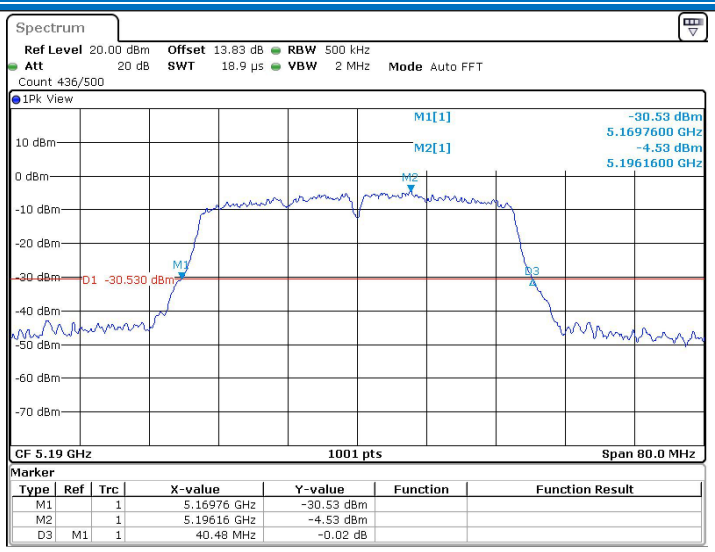

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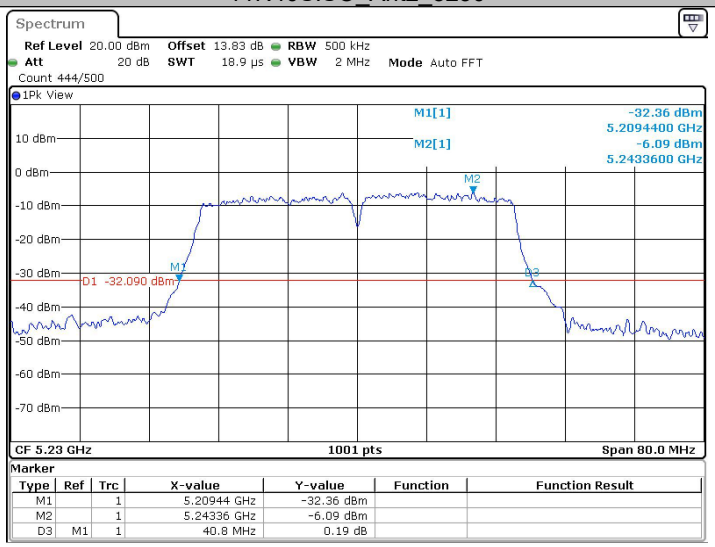

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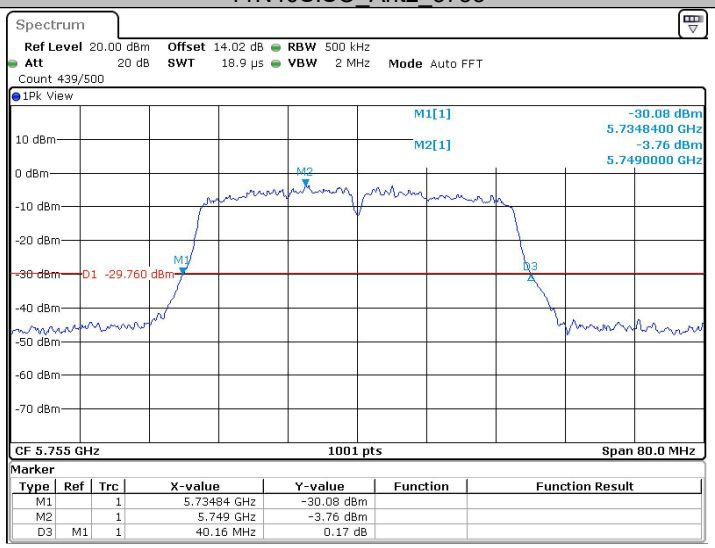

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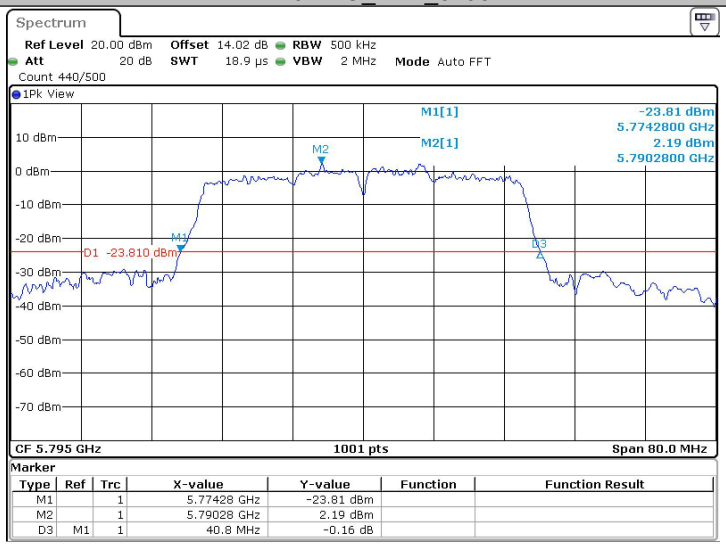

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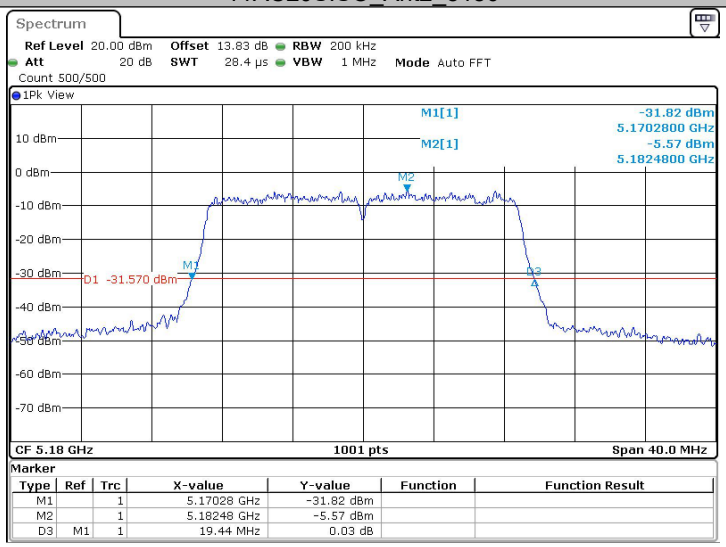

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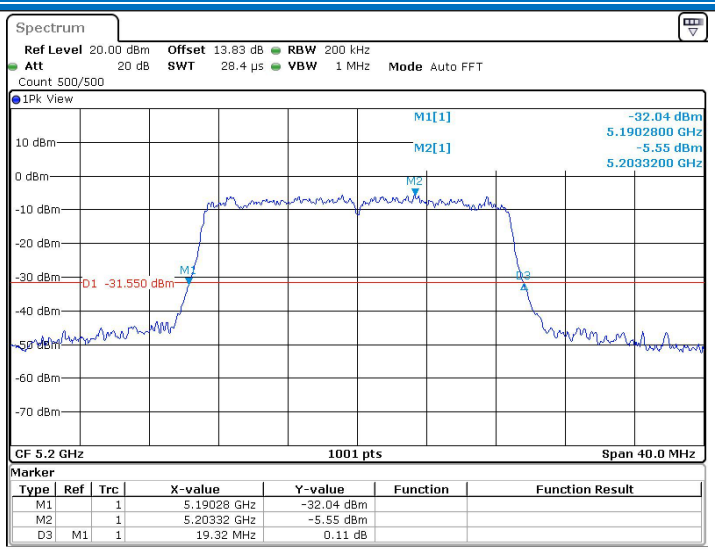

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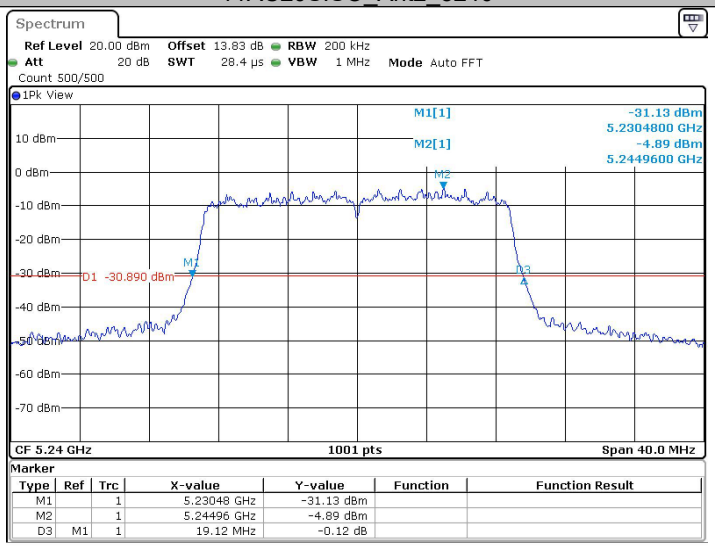

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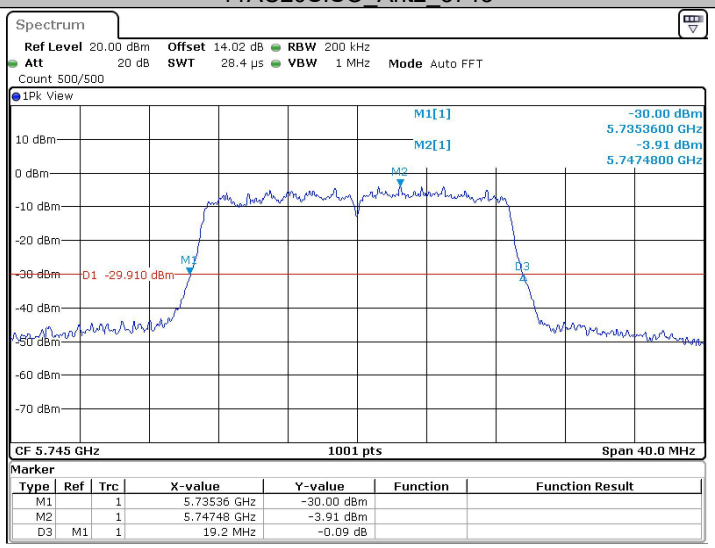

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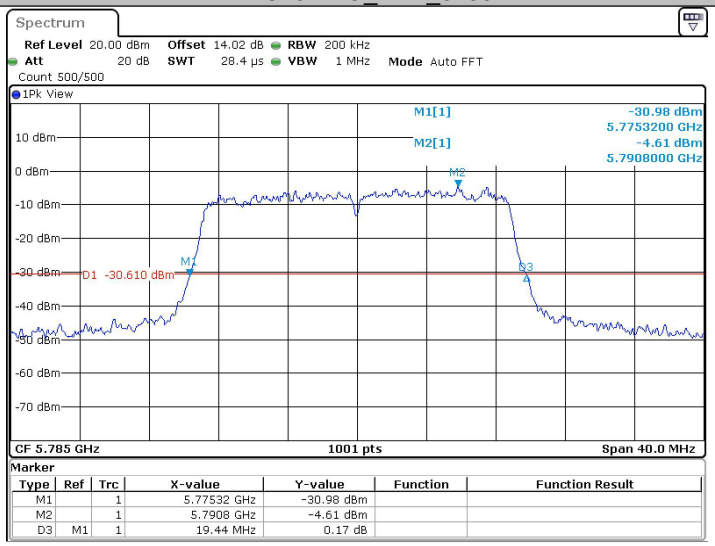

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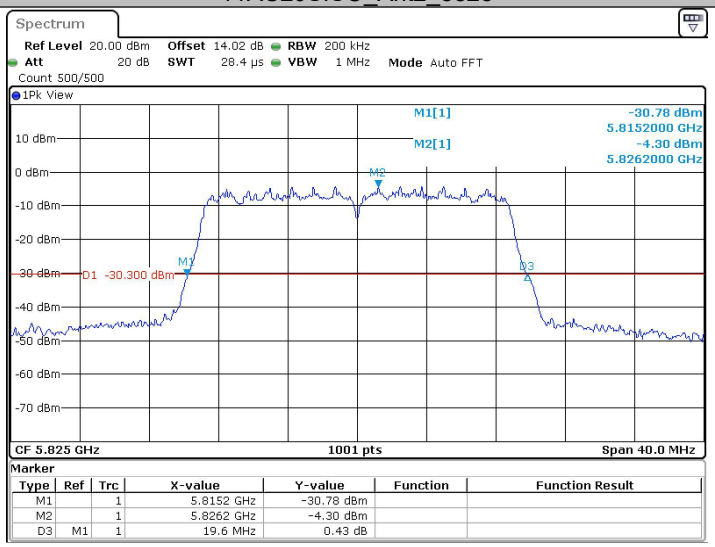

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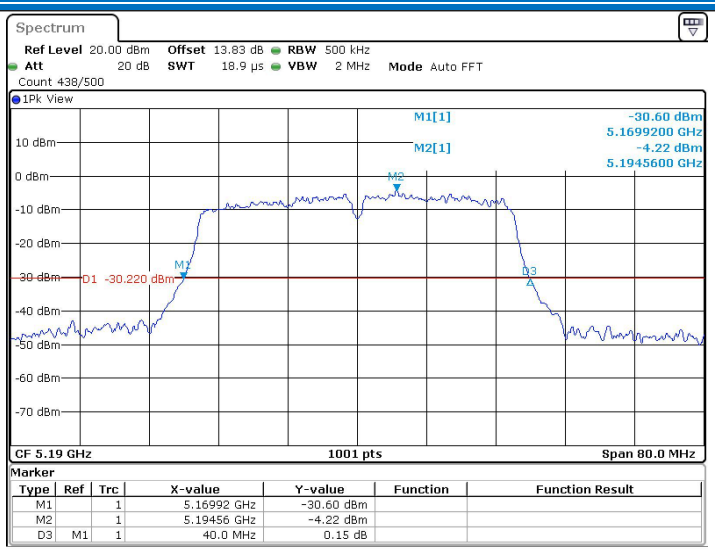

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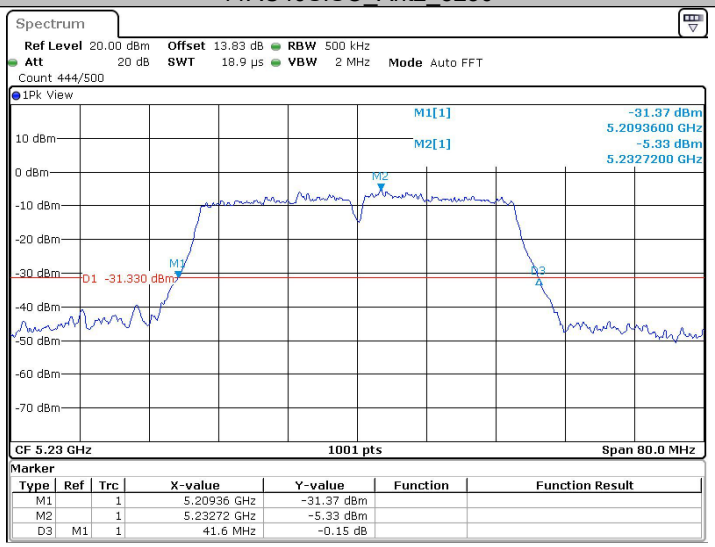

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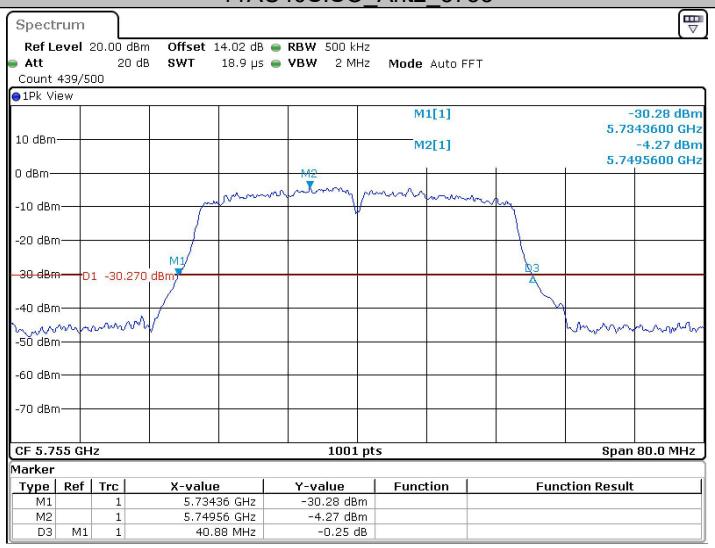

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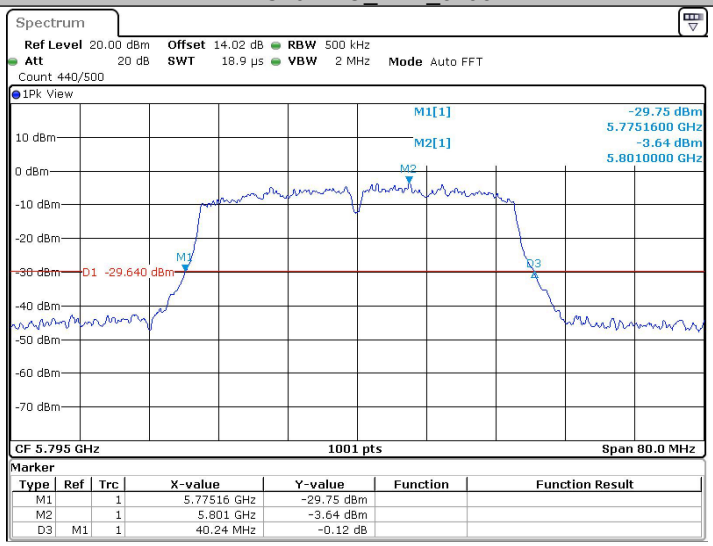

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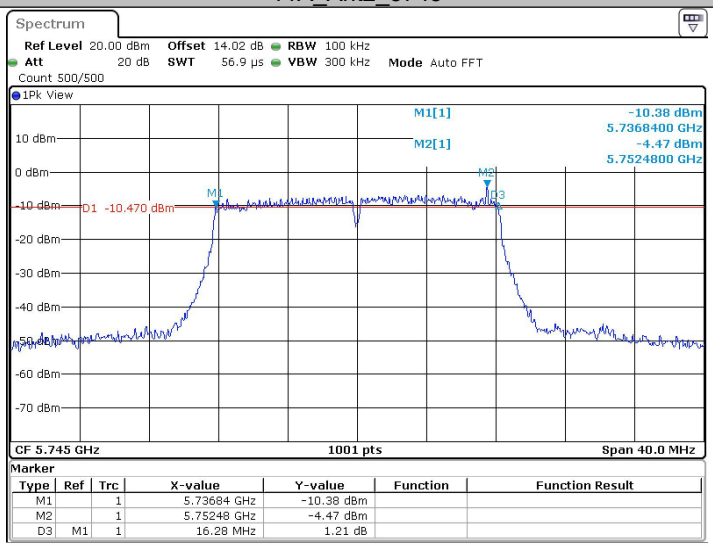

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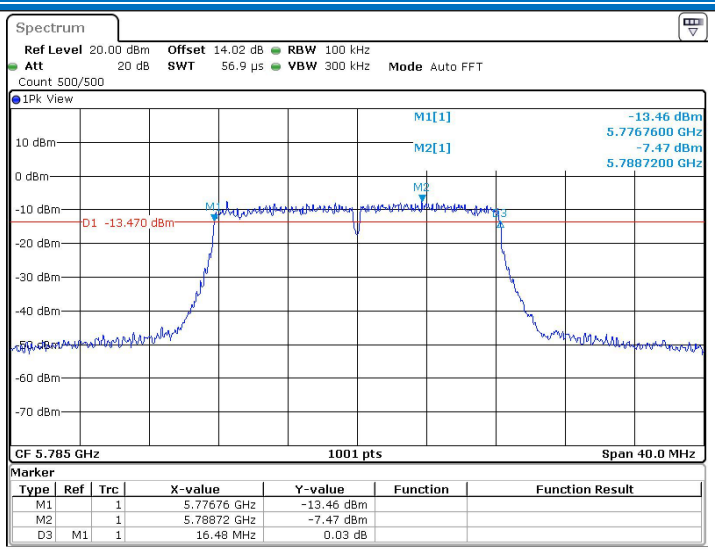
11A_Ant2_5785



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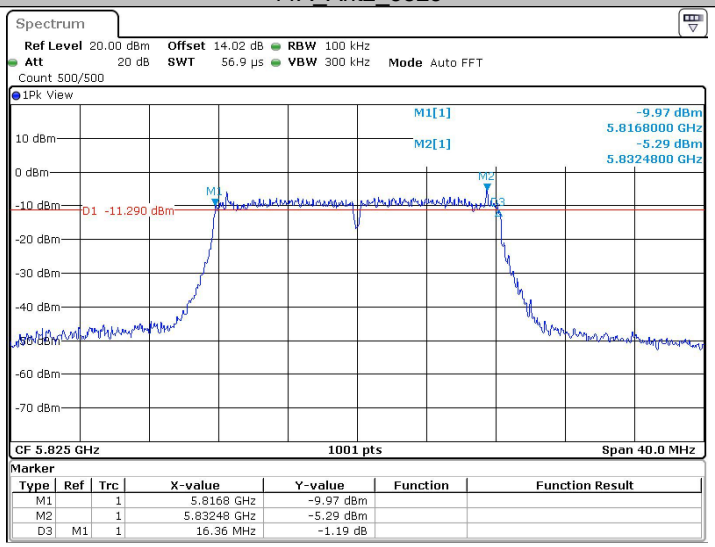

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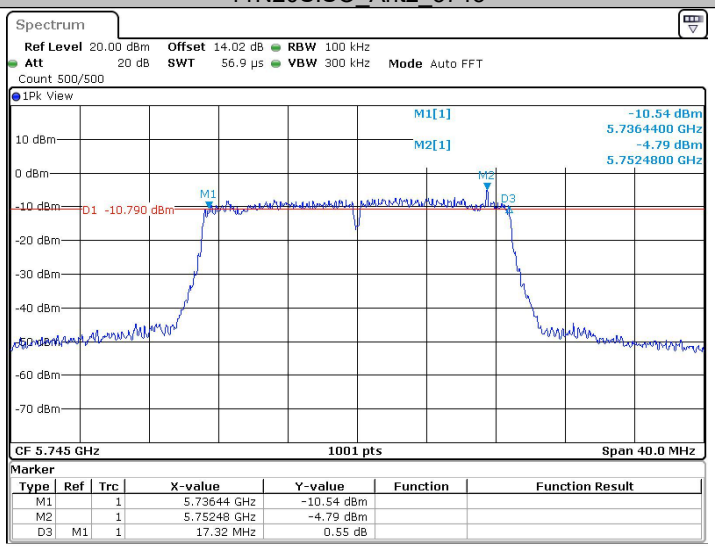

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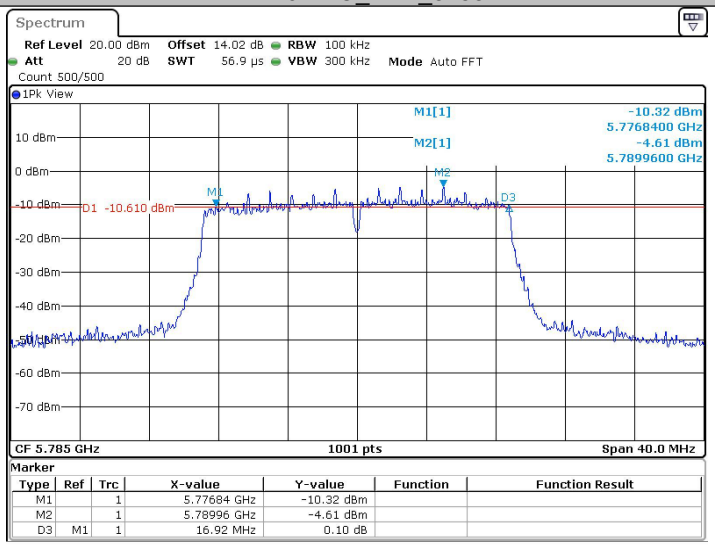

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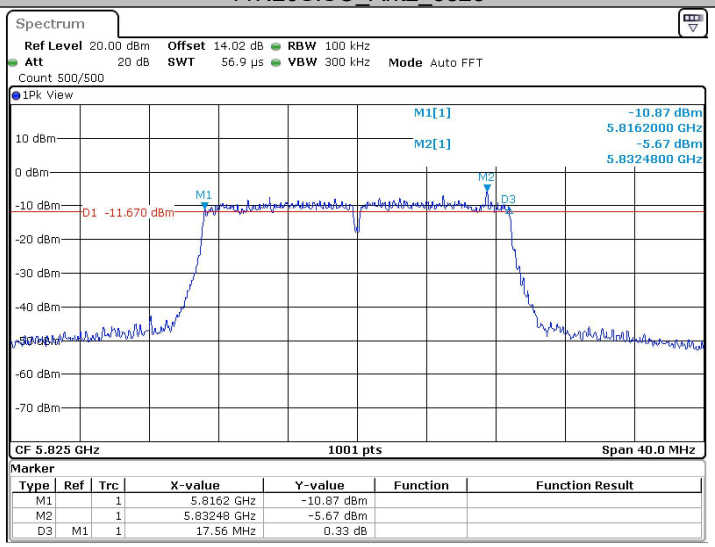

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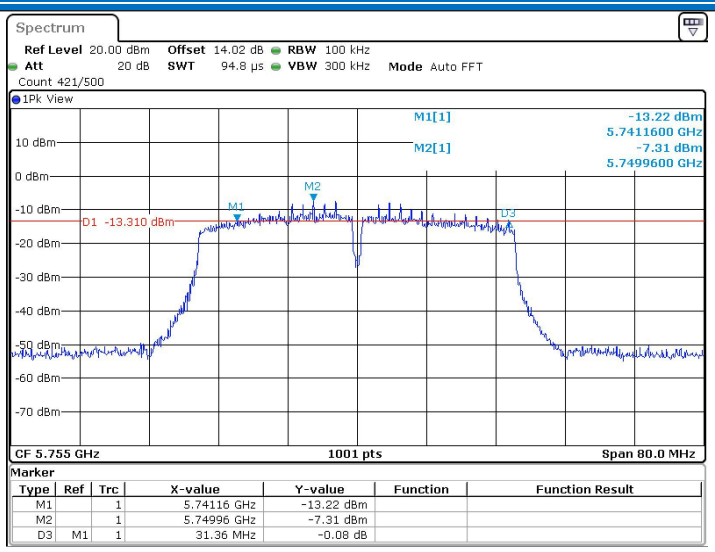

Date: 15.APR.2024 09:21:42

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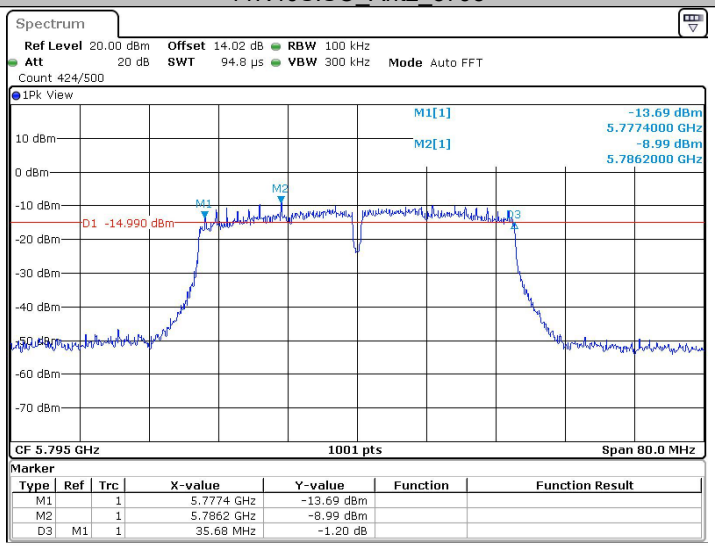

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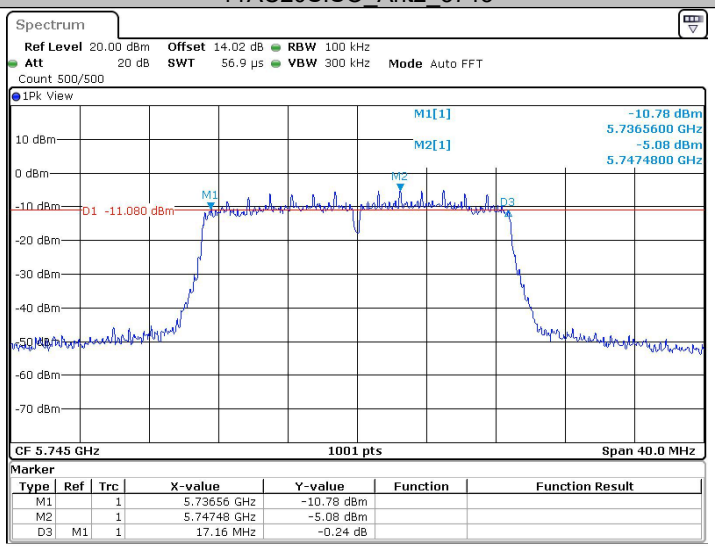

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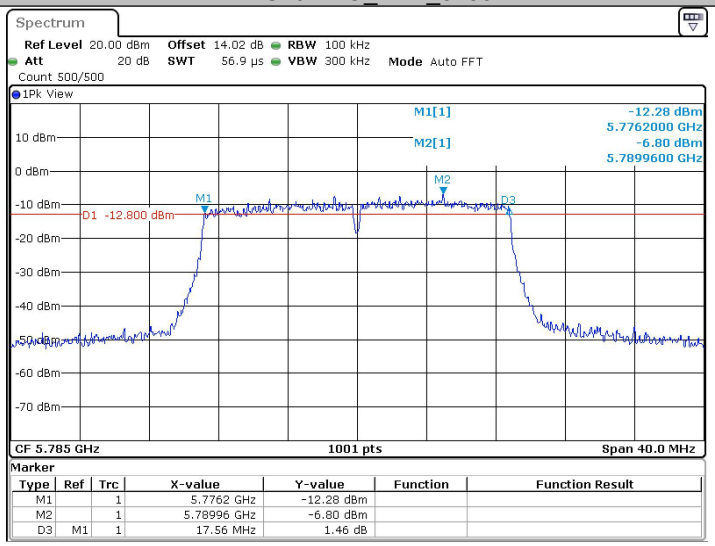

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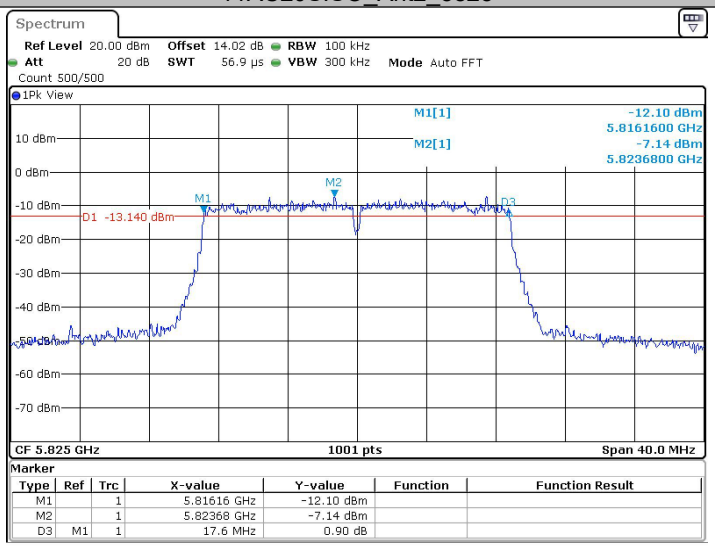

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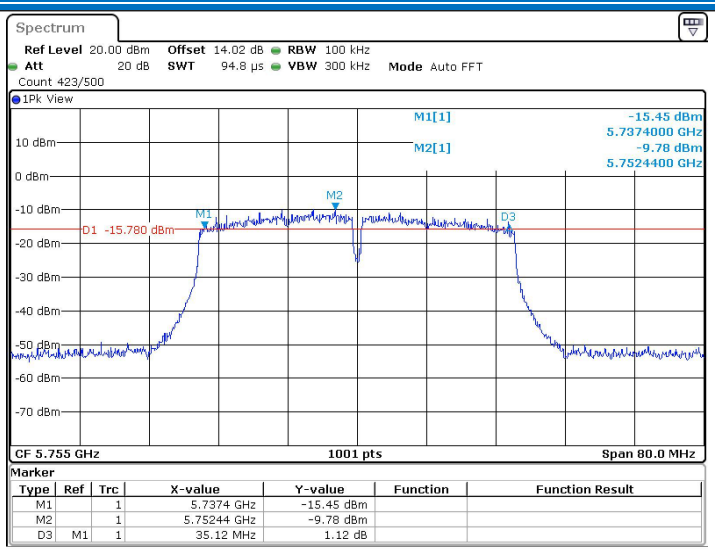

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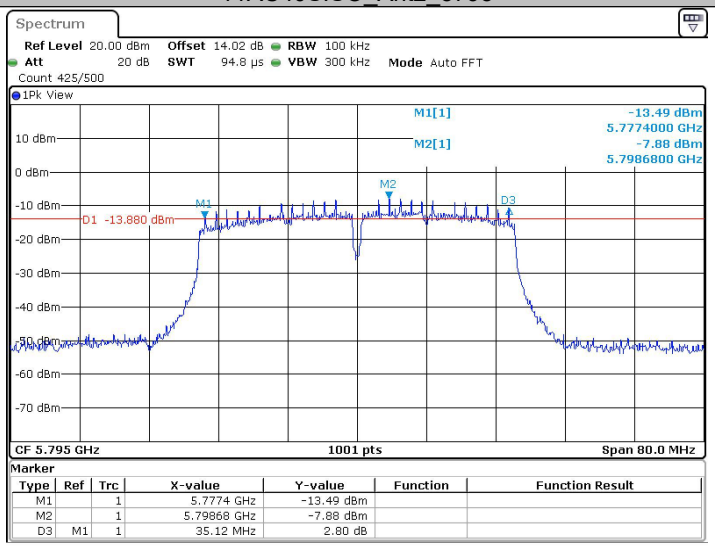
11AC40SISO_Ant2_5795



Date: 15.APR.2024 10:04:56

Appendix B): Maximum Conduct Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*
5725-5850	≤1W(30dBm)
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.

Test Procedure:

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

(1) Set RBW = 1 MHz.

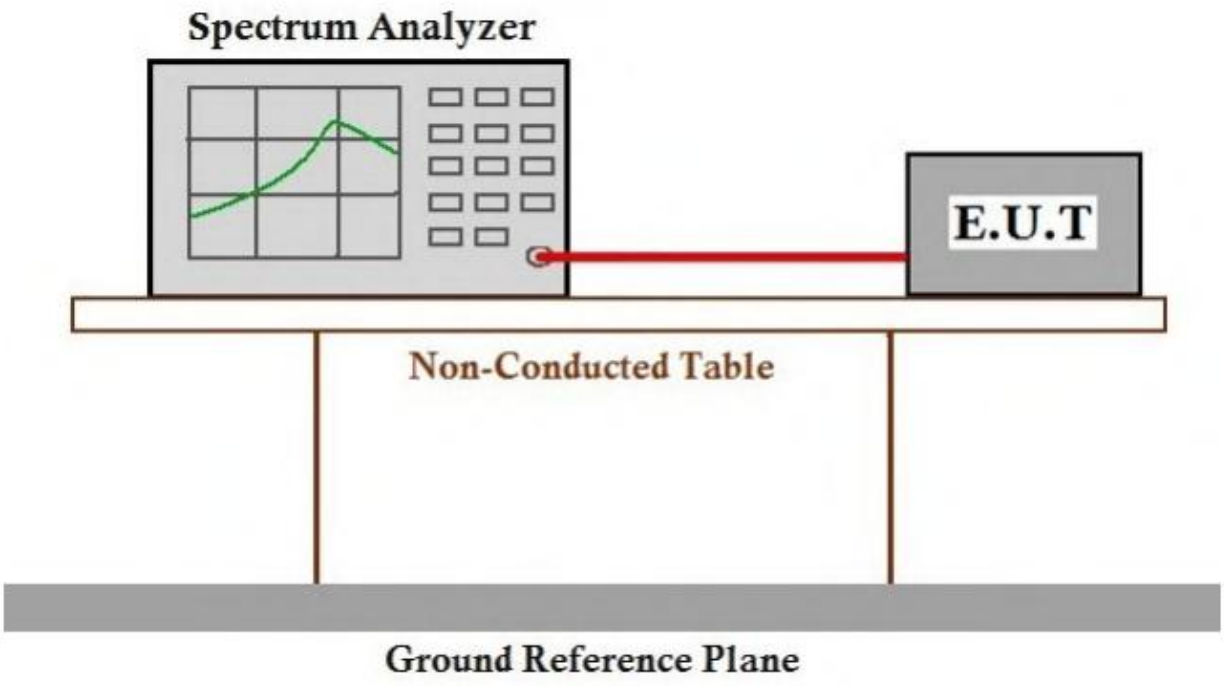
(2) Set VBW ≥ 3 MHz.

(3) Detector = power average

(4) Sweep time = auto.

(5) Add duty cycle to the measured average power.

Test Setup Diagram



Measurement Data

ANT1:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	4.15	≤23.98	PASS
		5200	5.43	≤23.98	PASS
		5240	5.36	≤23.98	PASS
		5745	6.63	≤30.00	PASS
		5785	5.69	≤30.00	PASS
		5825	6.35	≤30.00	PASS
11N20SISO	Ant1	5180	6.06	≤23.98	PASS
		5200	4.85	≤23.98	PASS
		5240	4.71	≤23.98	PASS
		5745	7.03	≤30.00	PASS
		5785	6.10	≤30.00	PASS
		5825	6.56	≤30.00	PASS
11N40SISO	Ant1	5190	4.14	≤23.98	PASS
		5230	4.01	≤23.98	PASS
		5755	8.14	≤30.00	PASS
		5795	8.13	≤30.00	PASS
11AC20SISO	Ant1	5180	3.57	≤23.98	PASS
		5200	4.96	≤23.98	PASS
		5240	4.94	≤23.98	PASS
		5745	7.16	≤30.00	PASS
		5785	6.14	≤30.00	PASS
		5825	6.64	≤30.00	PASS
11AC40SISO	Ant1	5190	4.18	≤23.98	PASS
		5230	4.11	≤23.98	PASS
		5755	7.79	≤30.00	PASS
		5795	4.12	≤30.00	PASS

ANT2:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	3.62	≤23.98	PASS
		5200	5.18	≤23.98	PASS
		5240	4.98	≤23.98	PASS
		5745	7.34	≤30.00	PASS
		5785	6.41	≤30.00	PASS
		5825	6.77	≤30.00	PASS
11N20SISO	Ant2	5180	3.62	≤23.98	PASS
		5200	5.14	≤23.98	PASS
		5240	6.40	≤23.98	PASS
		5745	6.97	≤30.00	PASS
		5785	5.94	≤30.00	PASS
		5825	6.31	≤30.00	PASS
11N40SISO	Ant2	5190	5.42	≤23.98	PASS
		5230	4.50	≤23.98	PASS
		5755	5.98	≤30.00	PASS
		5795	6.18	≤30.00	PASS
11AC20SISO	Ant2	5180	4.84	≤23.98	PASS
		5200	5.40	≤23.98	PASS
		5240	4.98	≤23.98	PASS
		5745	6.06	≤30.00	PASS
		5785	5.73	≤30.00	PASS
		5825	5.98	≤30.00	PASS
11AC40SISO	Ant2	5190	5.15	≤23.98	PASS
		5230	4.40	≤23.98	PASS
		5755	5.72	≤30.00	PASS
		5795	5.82	≤30.00	PASS

ANT1+ANT2:

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11N20MIMO	Ant1+Ant2	5180	8.02	≤23.2	PASS
		5200	8.01	≤23.2	PASS
		5240	8.65	≤23.2	PASS
		5745	10.01	≤29.67	PASS
		5785	9.03	≤29.67	PASS
		5825	9.45	≤29.67	PASS
11N40MIMO	Ant1+Ant2	5190	7.84	≤23.2	PASS
		5230	7.27	≤23.2	PASS
		5755	10.20	≤29.67	PASS
		5795	10.27	≤29.67	PASS
11AC20MIMO	Ant1+Ant2	5180	7.26	≤23.2	PASS
		5200	8.20	≤23.2	PASS
		5240	7.97	≤23.2	PASS
		5745	9.66	≤29.67	PASS
		5785	8.95	≤29.67	PASS
		5825	9.33	≤29.67	PASS
11AC40MIMO	Ant1+Ant2	5190	7.70	≤23.2	PASS
		5230	7.27	≤23.2	PASS
		5755	9.89	≤29.67	PASS
		5795	8.06	≤29.67	PASS

MIMO limit=Conducted output power Limit-(directional gains-6dBi)

Directional gain:

6.78dBi@5GHz: Wi-Fi: U-NII-1, 6.33dBi@5GHz: Wi-Fi: U-NII-3

Remark:
Av.Power=Meas.Level+10 log (1/duty cycle)
E.i.r.p=Av.Power+G,
G = antenna gain in dBi.

Appendix C): Maximum Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II F

Test Procedure:

For 5150-5725MHz:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 1MHz.
4. Set the VBW ≥3*RBW. Detector = Peak. Trace mode = max hold.

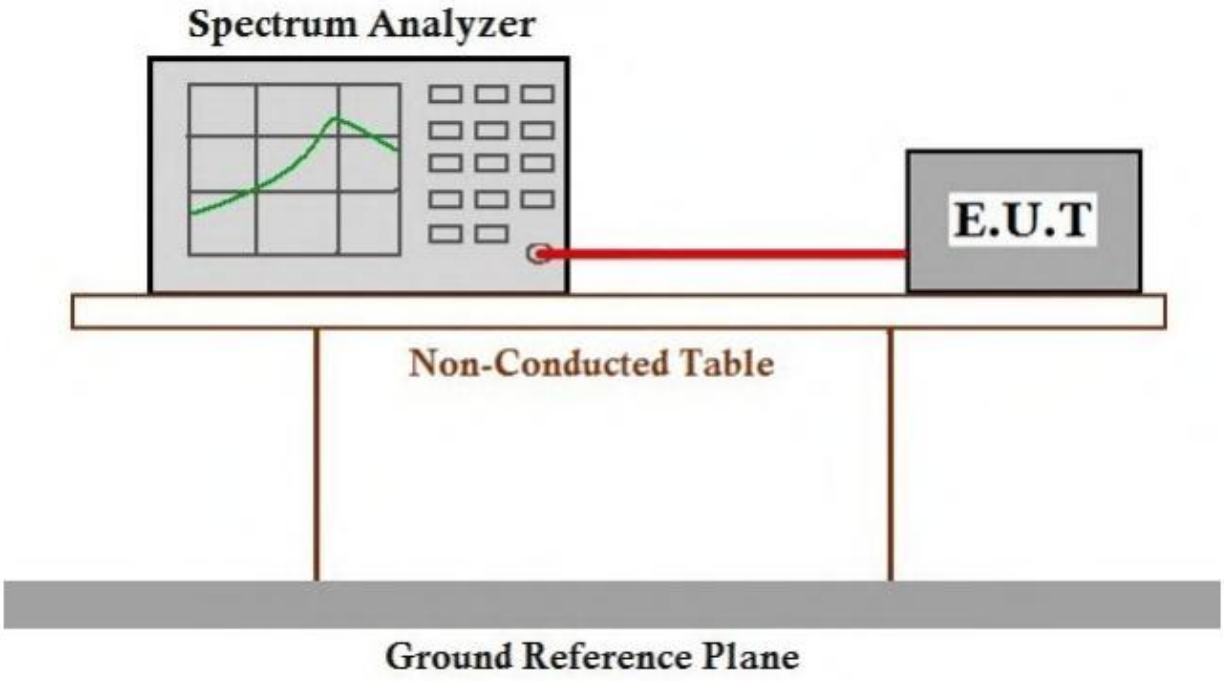
For 5725-5850MHz:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on operation frequency individually.
3. Set RBW = 500KHz.
4. Set the VBW ≥3*RBW. Detector = Peak. Trace mode = max hold.

Limit:

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.

Test Setup Diagram



Result Table

ANT1:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	-6.95	≤11.00	PASS
	5200	-5.35	≤11.00	PASS
	5240	-5.81	≤11.00	PASS
	5745	-7.19	≤30.00	PASS
	5785	-8.28	≤30.00	PASS
	5825	-7.67	≤30.00	PASS
11N20SISO	5180	-5.57	≤11.00	PASS
	5200	-6.46	≤11.00	PASS
	5240	-6.31	≤11.00	PASS
	5745	-6.82	≤30.00	PASS
	5785	-8.39	≤30.00	PASS
	5825	-7.83	≤30.00	PASS
11N40SISO	5190	-9.4	≤11.00	PASS
	5230	-10.04	≤11.00	PASS
	5755	-8.24	≤30.00	PASS
	5795	-10.74	≤30.00	PASS
11AC20SISO	5180	-7.95	≤11.00	PASS
	5200	-6.58	≤11.00	PASS
	5240	-6.04	≤11.00	PASS
	5745	-6.97	≤30.00	PASS
	5785	-8.21	≤30.00	PASS
	5825	-7.76	≤30.00	PASS
11AC40SISO	5190	-9.38	≤11.00	PASS
	5230	-9.93	≤11.00	PASS
	5755	-8.72	≤30.00	PASS
	5795	-12.54	≤30.00	PASS

ANT2:

TestMode	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	5180	-7.29	≤11.00	PASS
	5200	-6.01	≤11.00	PASS
	5240	-5.92	≤11.00	PASS
	5745	-6.7	≤30.00	PASS
	5785	-7.73	≤30.00	PASS
	5825	-7.38	≤30.00	PASS
11N20SISO	5180	-7.81	≤11.00	PASS
	5200	-6.27	≤11.00	PASS
	5240	-4.39	≤11.00	PASS
	5745	-7.21	≤30.00	PASS
	5785	-8.55	≤30.00	PASS
	5825	-8.12	≤30.00	PASS
11N40SISO	5190	-8	≤11.00	PASS
	5230	-9.45	≤11.00	PASS
	5755	-10.52	≤30.00	PASS
	5795	-10.35	≤30.00	PASS
11AC20SISO	5180	-6.68	≤11.00	PASS
	5200	-6.2	≤11.00	PASS
	5240	-6.4	≤11.00	PASS
	5745	-7.79	≤30.00	PASS
	5785	-8.38	≤30.00	PASS
	5825	-8.32	≤30.00	PASS
11AC40SISO	5190	-8.73	≤11.00	PASS
	5230	-9.35	≤11.00	PASS
	5755	-10.51	≤30.00	PASS
	5795	-11.04	≤30.00	PASS