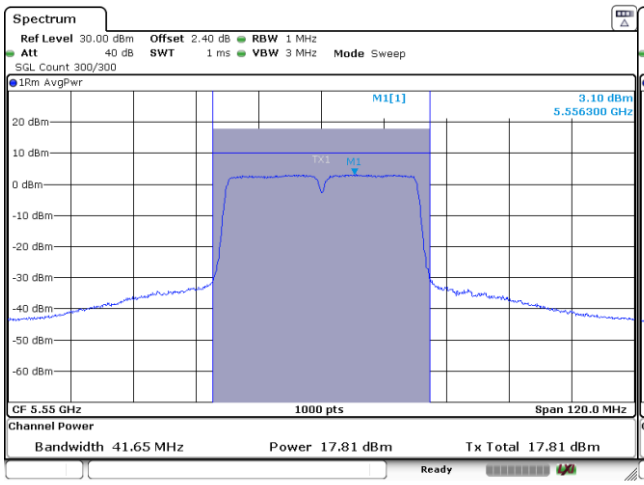
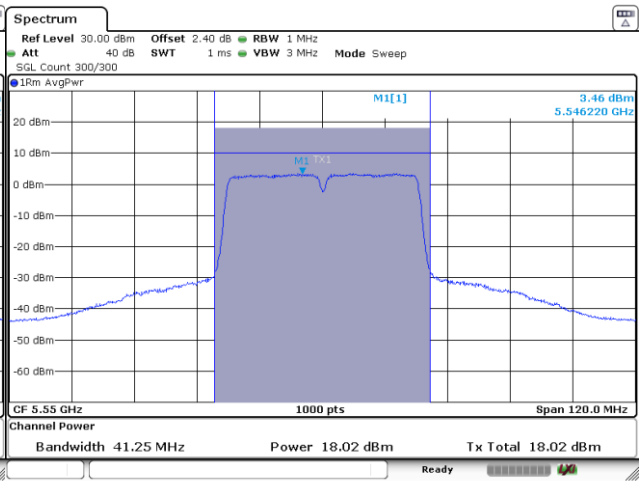
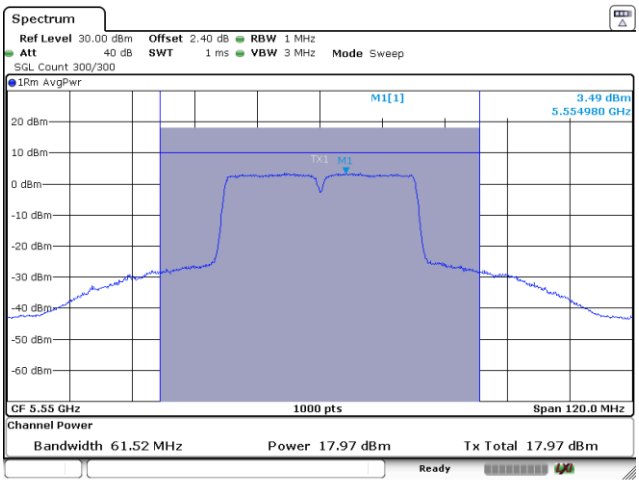
Channel 110



CORE 0

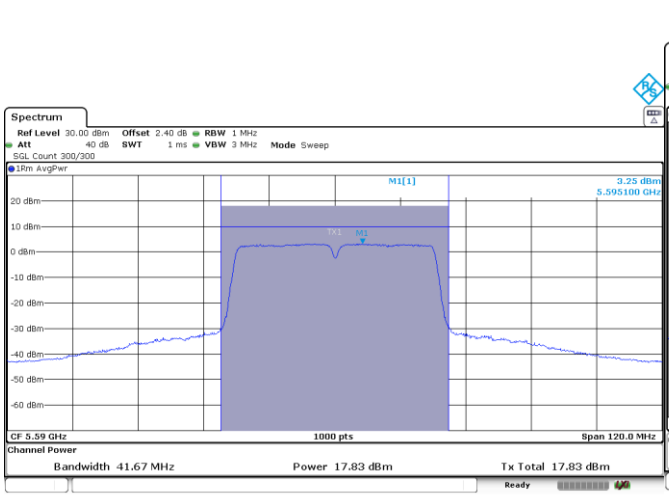


CORE 1

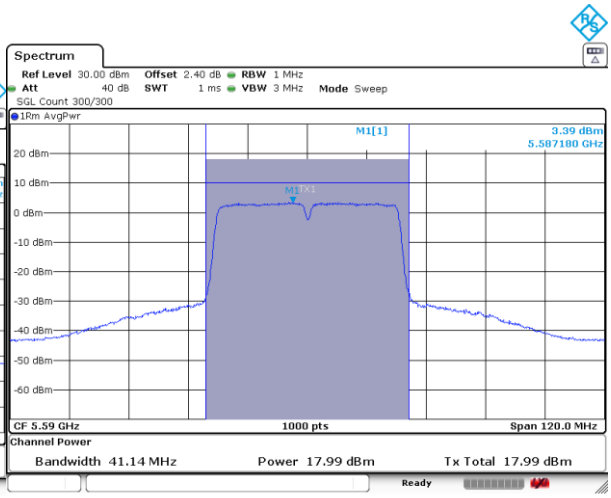


CORE 2

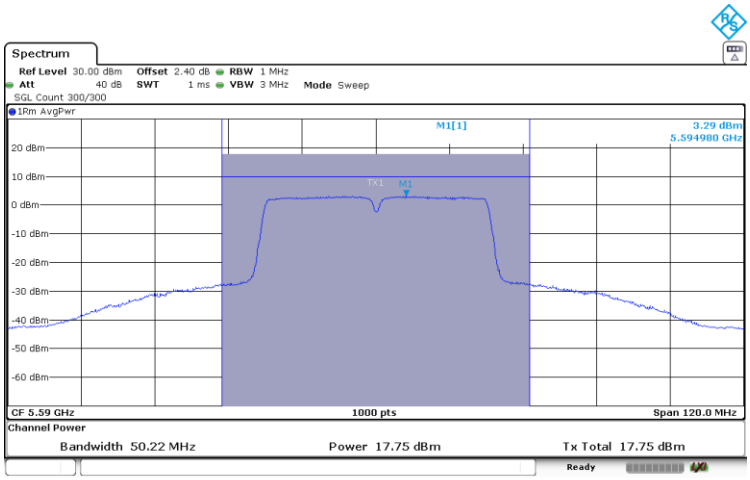
Channel 118



CORE 0

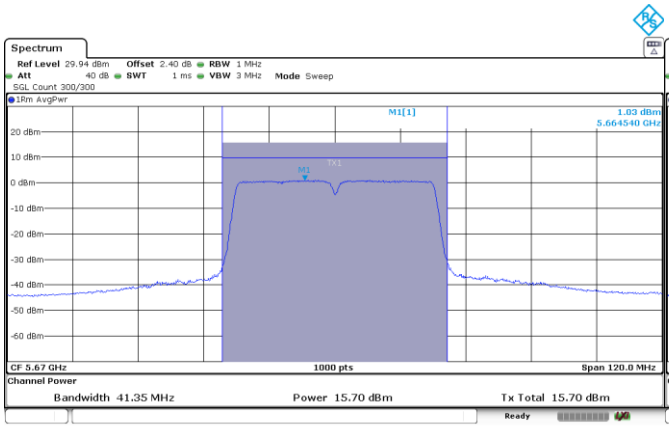


CORE 1

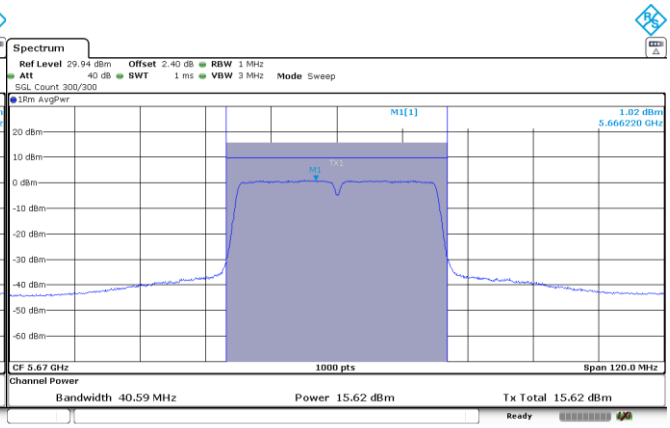


CORE 2

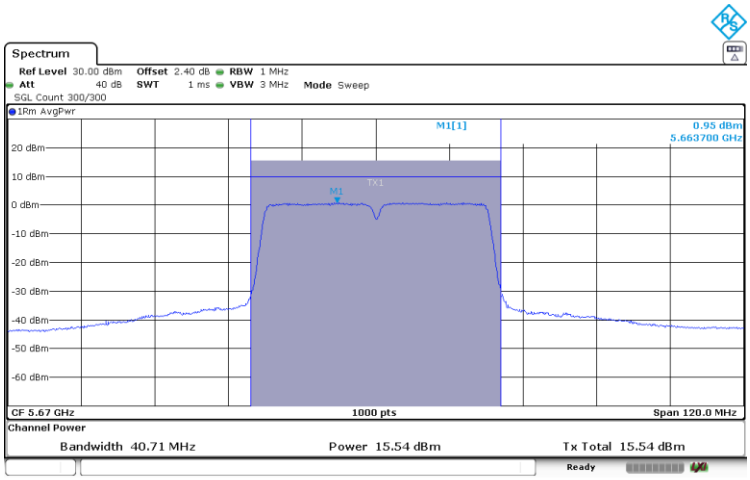
Channel 134



CORE 0



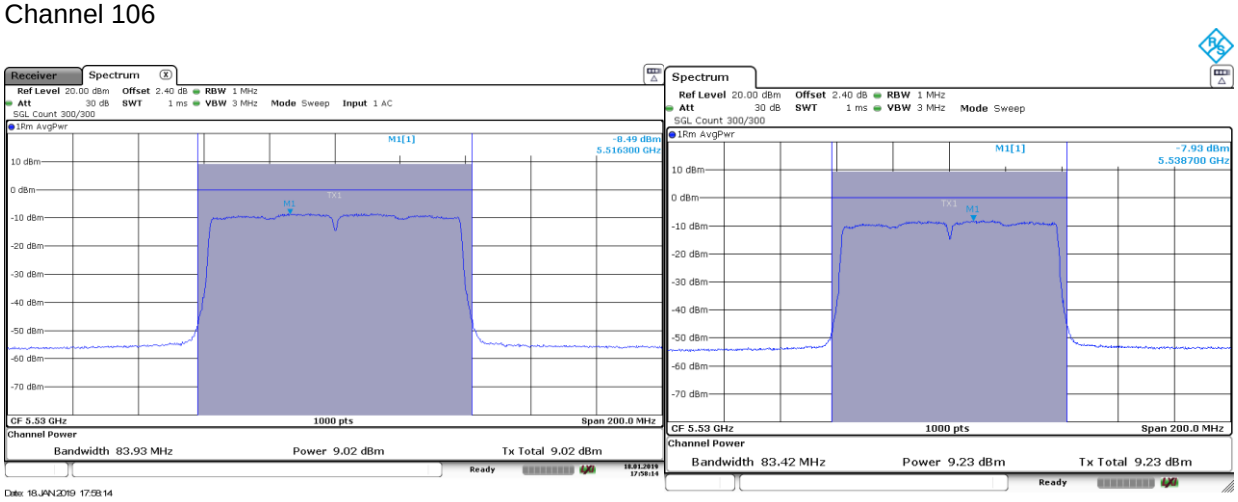
CORE 1



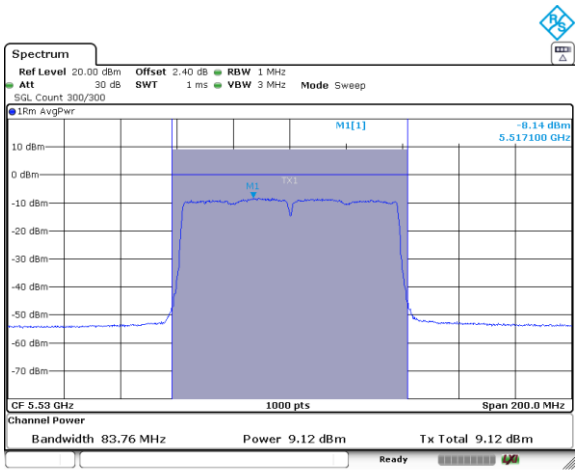
CORE 2

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 106

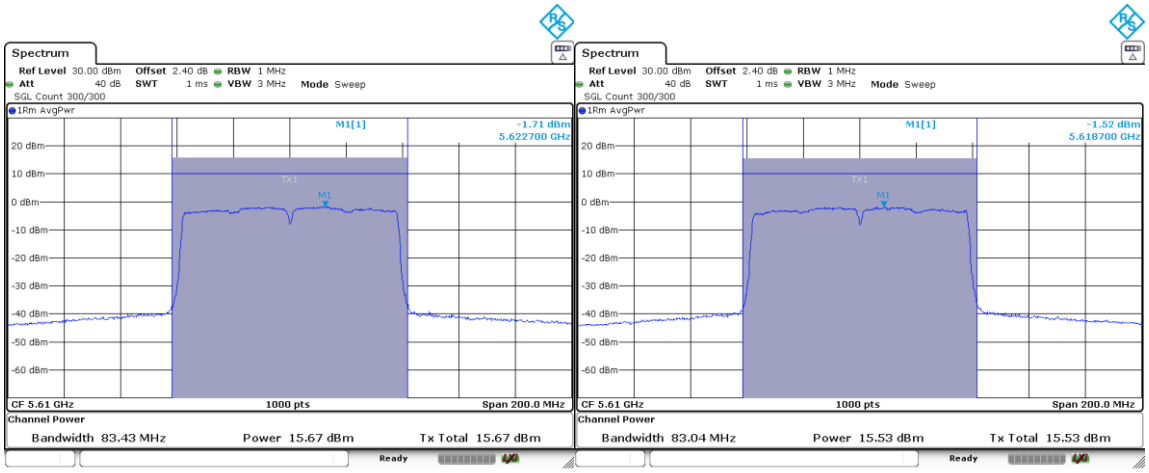


CORE 0 CORE 1

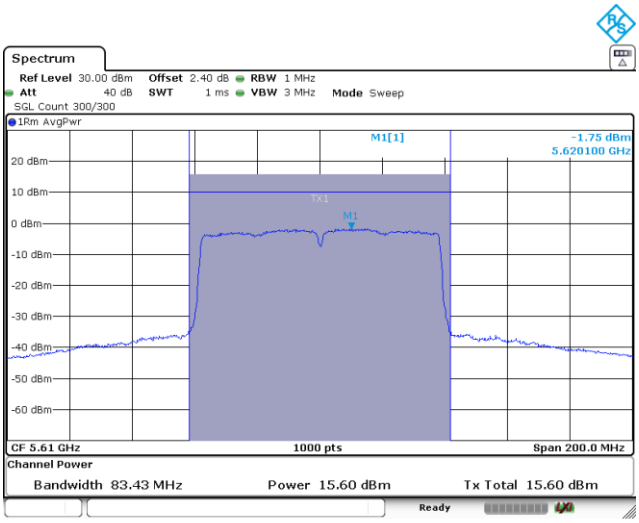


CORE 2

Channel 122



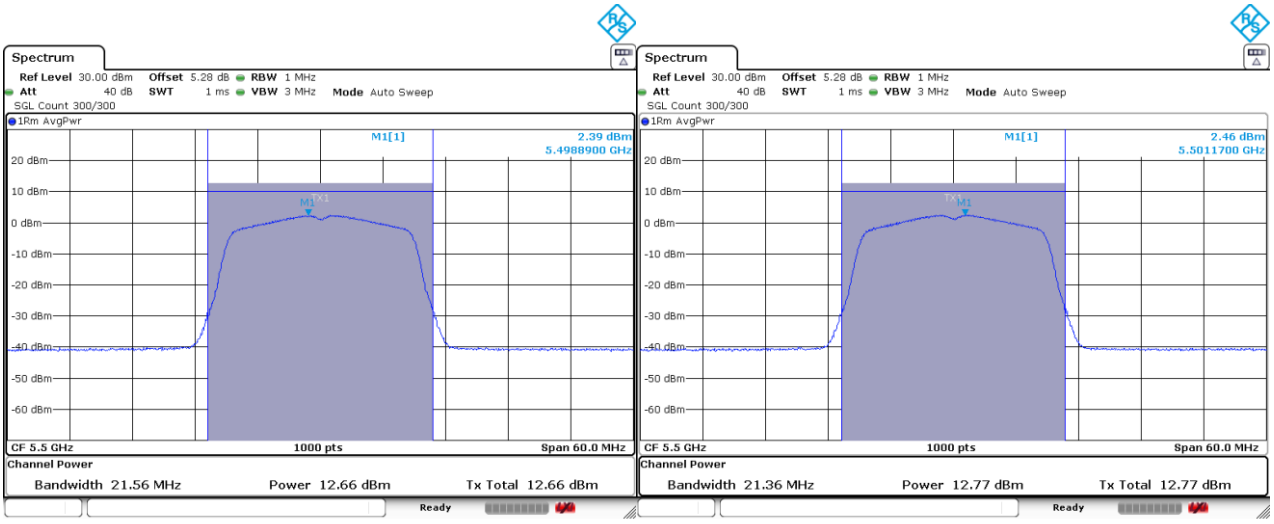
CORE 0 CORE 1



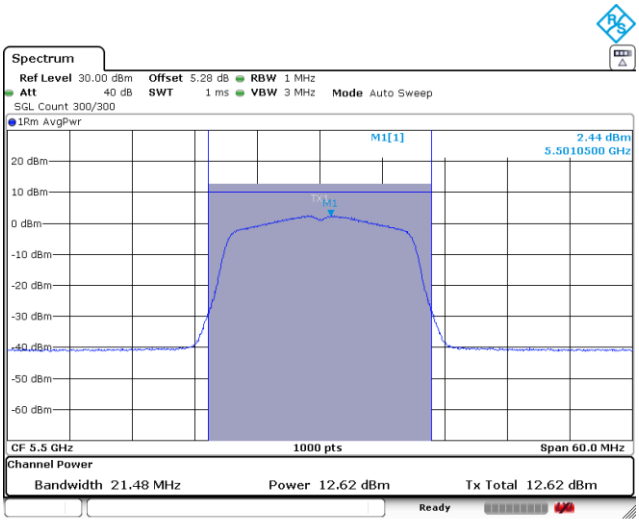
CORE 2

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 100

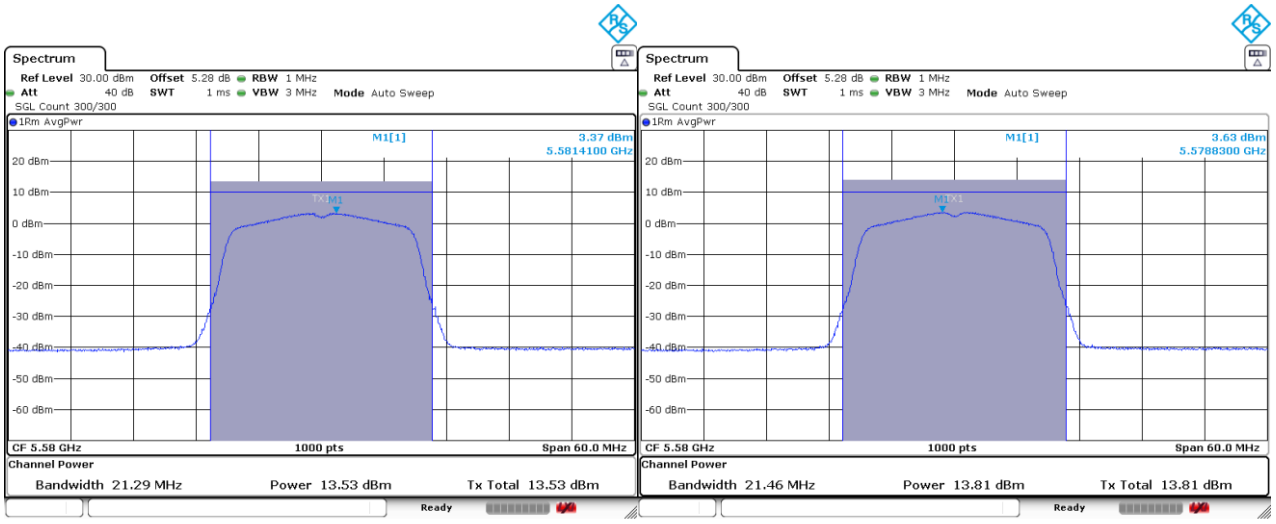


CORE 0 CORE 1

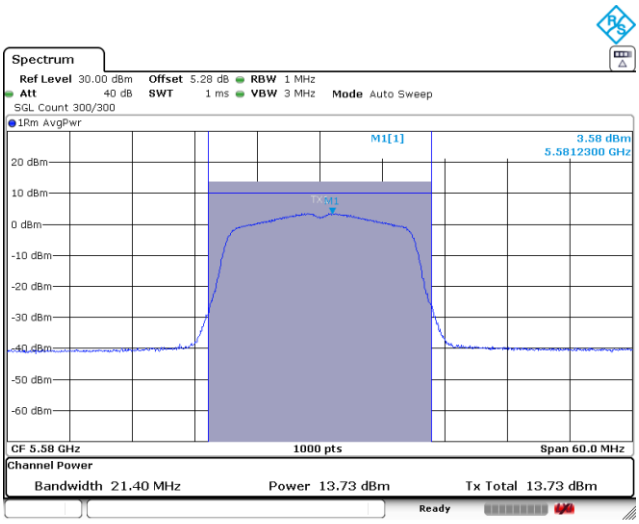


CORE 2

Channel 116

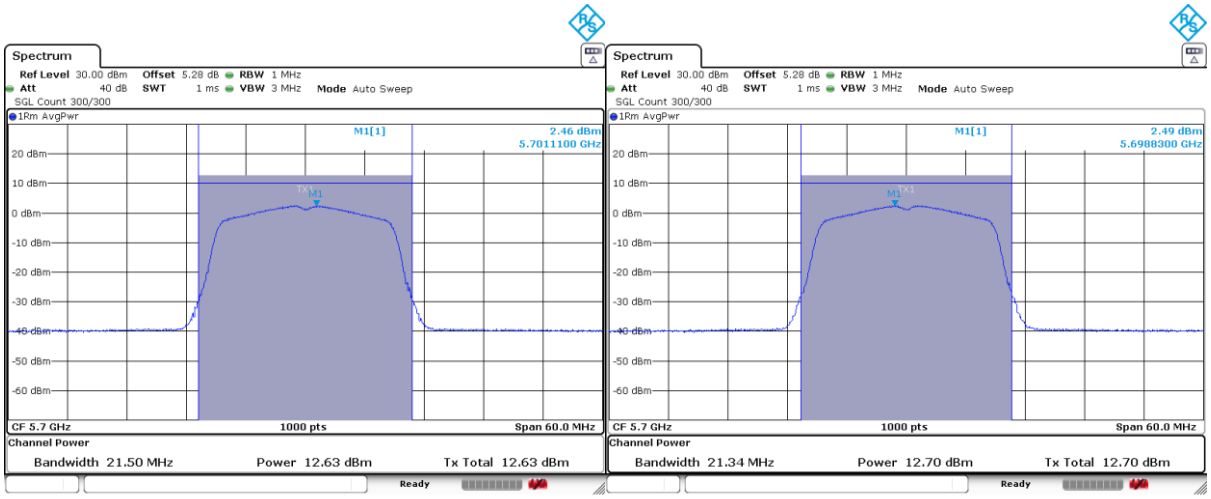


CORE 0 CORE 1

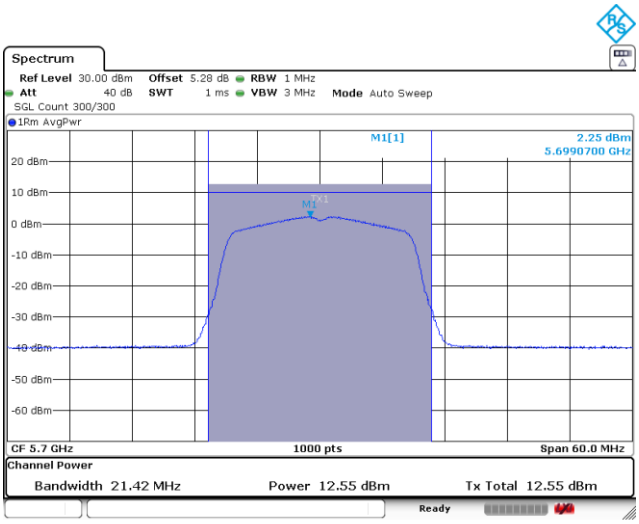


CORE 2

Channel 140



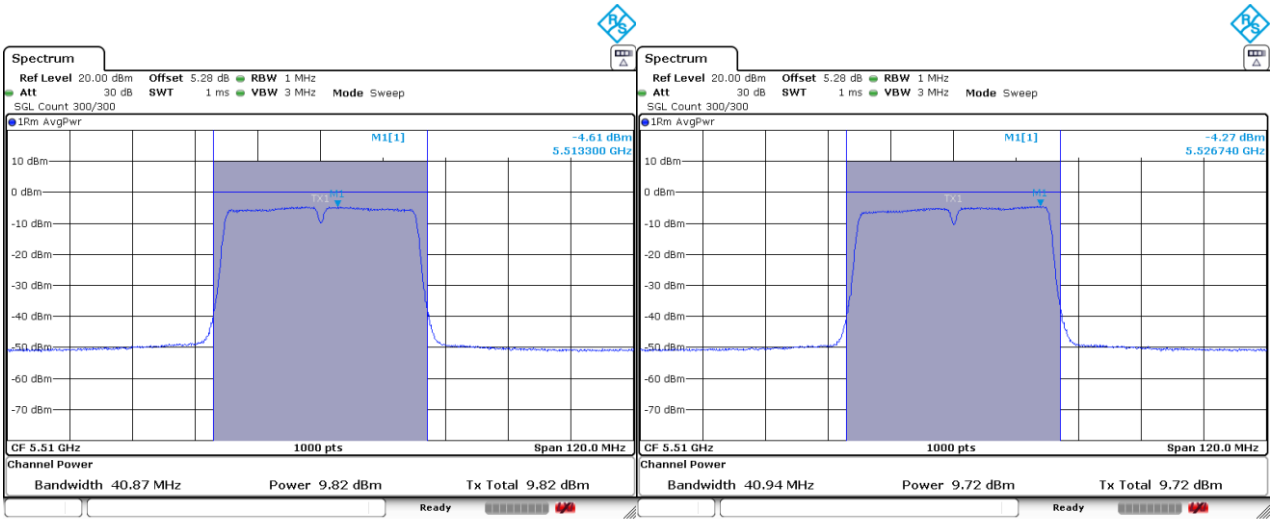
CORE 0 CORE 1



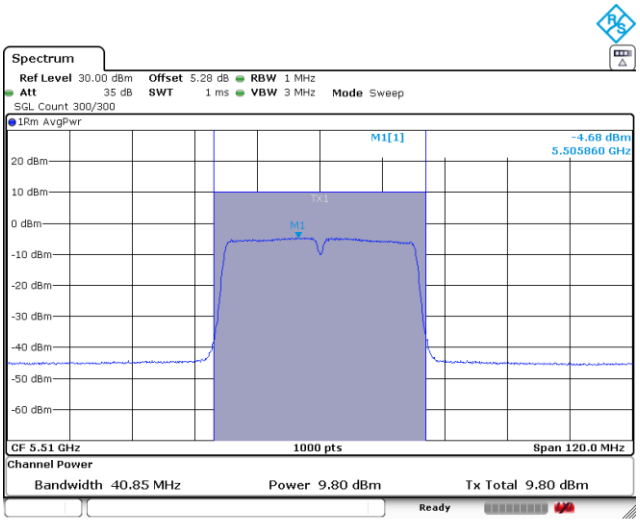
CORE 2

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 102

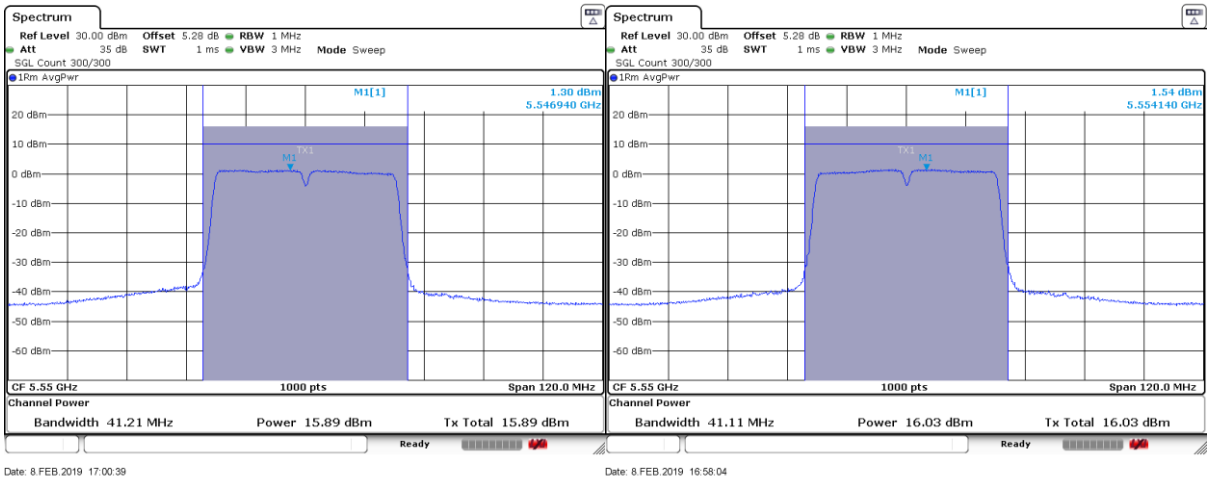


CORE 0 CORE 1

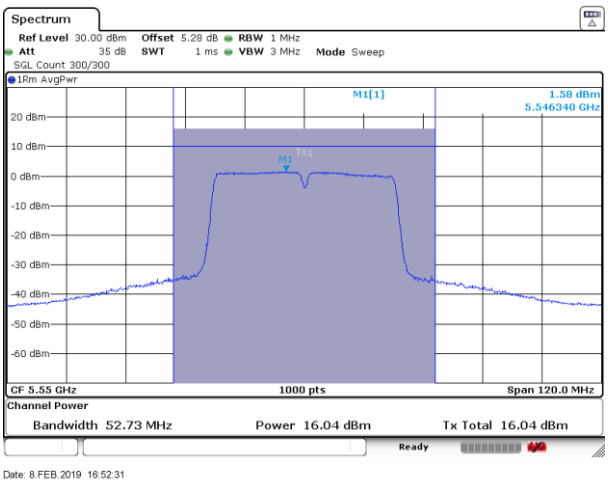


CORE 2

Channel 110

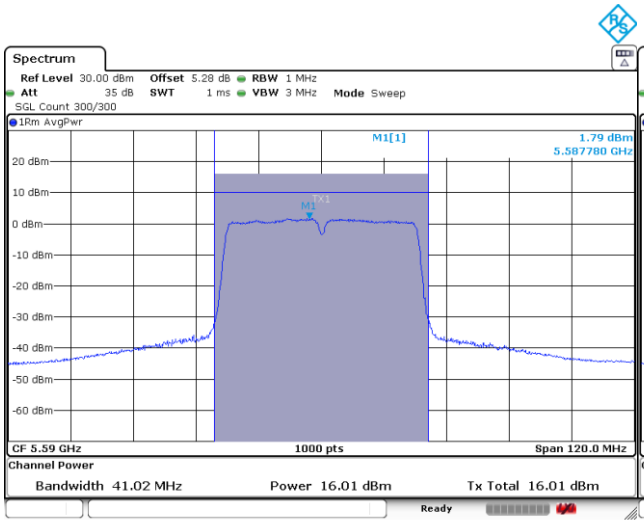


CORE 0 CORE 1

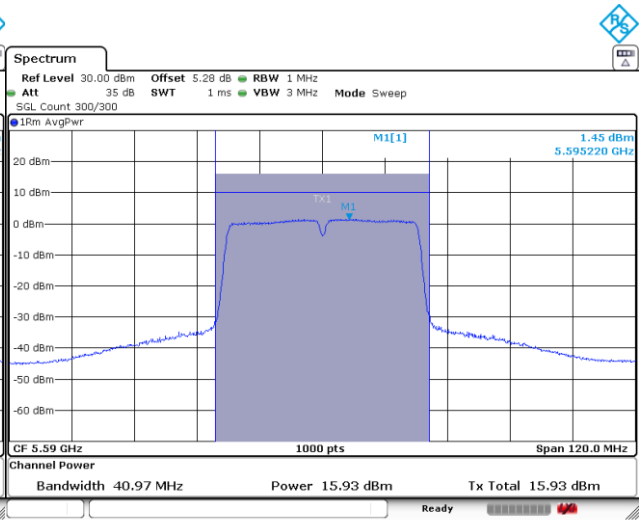


CORE 2

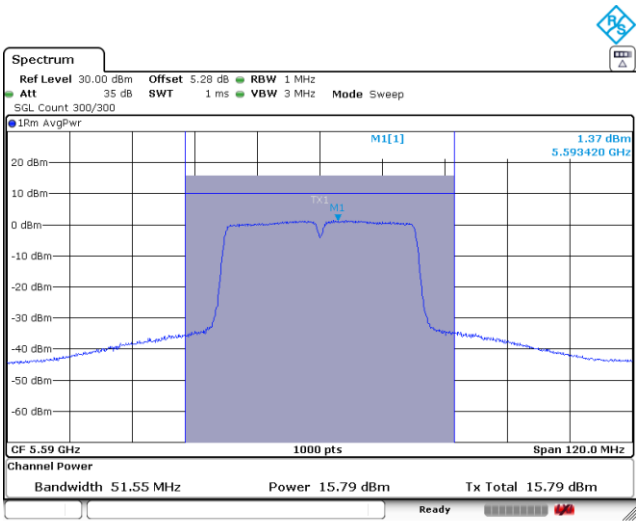
Channel 118



CORE 0

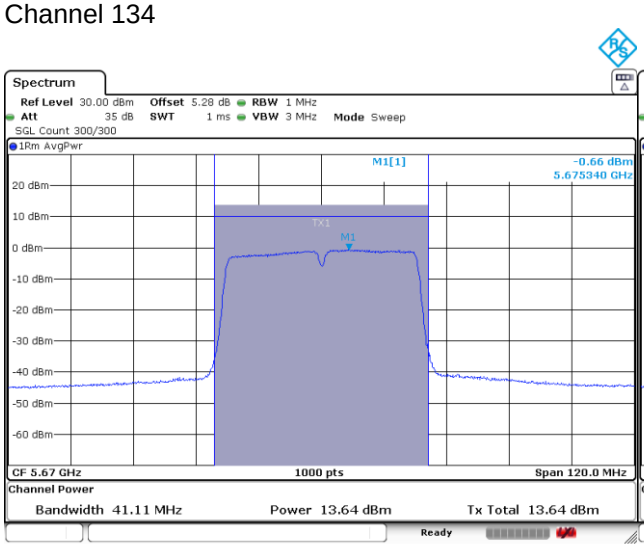


CORE 1

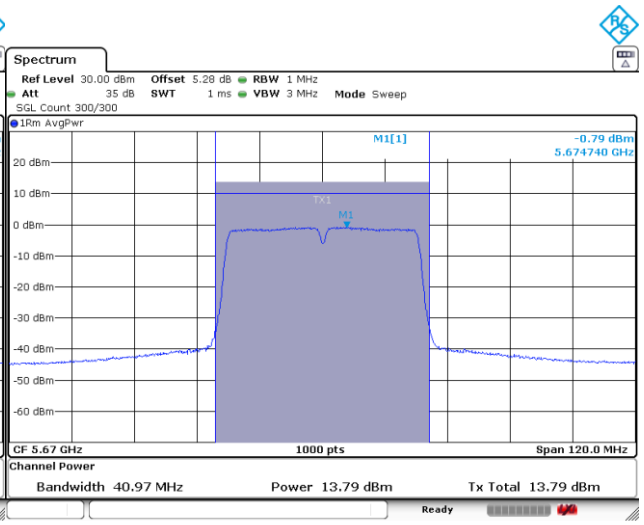


CORE 2

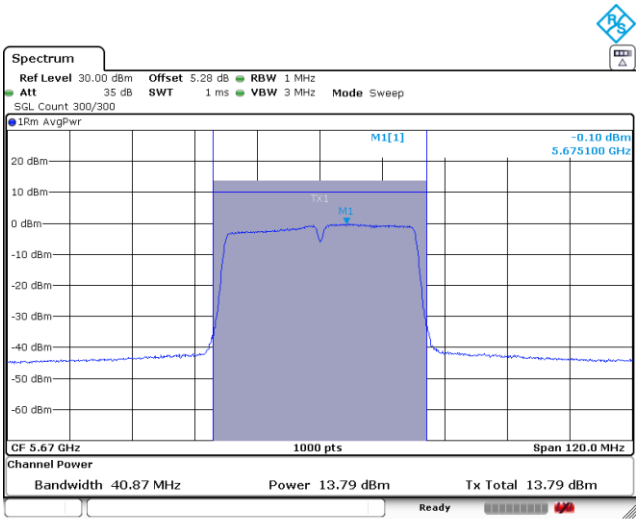
Channel 134



CORE 0



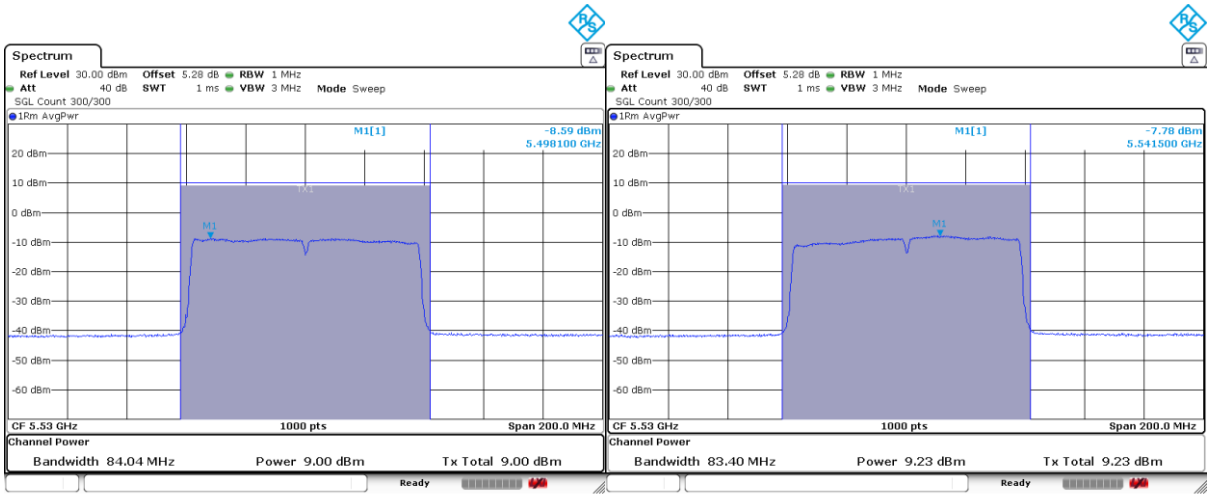
CORE 1



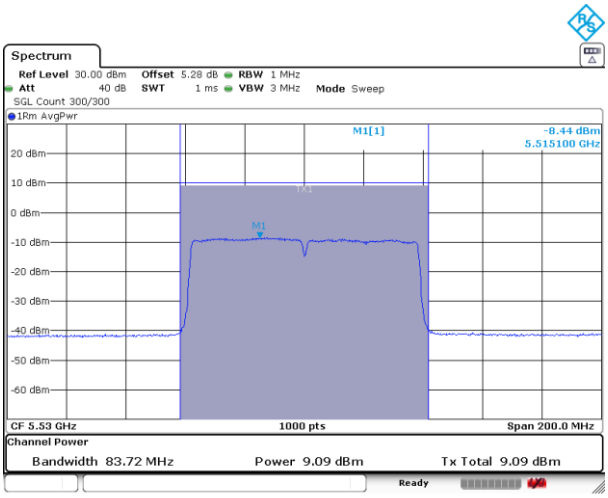
CORE 2

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 106

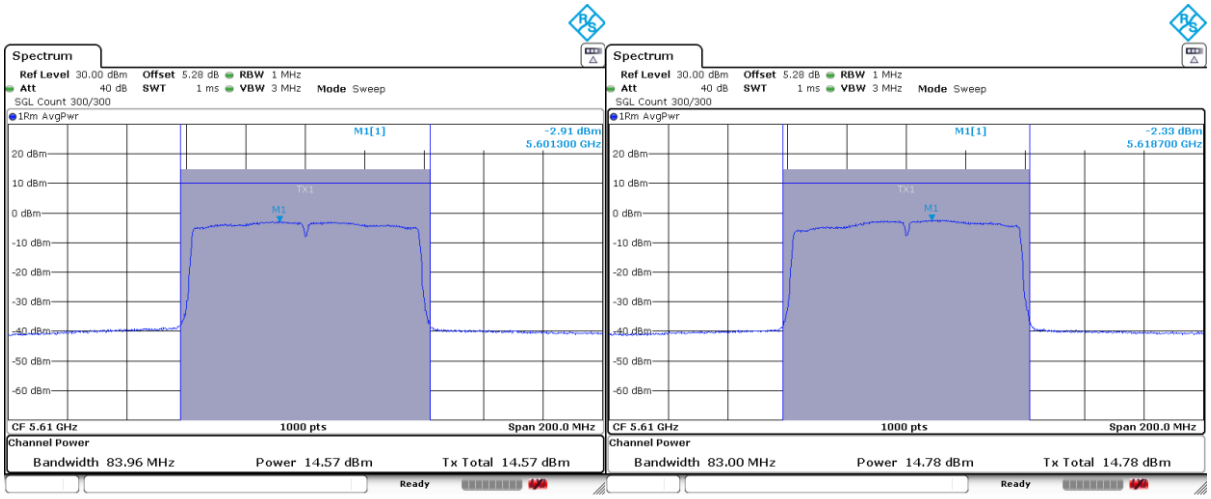


CORE 0 CORE 1

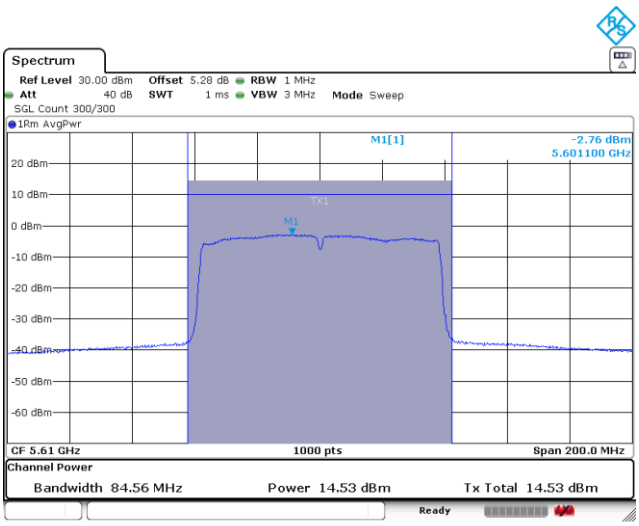


CORE 2

Channel 122



CORE 0 CORE 1



CORE 2

Transmitter Maximum Conducted Output Power (Straddle Channels)

Mode : 802.11a - 20MHz – SISO – CORE 2

	channel 144 5720 MHz
Max. conducted power (dBm)	20.41
Conducted Power Limit (dBm)	24
Margin (dB)	3.59
Maximum EIRP power (dBm)	24.97
EIRP power Limit (dBm)	30
Margin (dB)	5.03
Measurement uncertainty (dB)	<±1.20

Mode : 802.11n HT20 - 20MHz – SISO – CORE 2

	channel 144 5720 MHz
Max. conducted power (dBm)	20.43
Conducted Power Limit (dBm)	24
Margin (dB)	3.57
Maximum EIRP power (dBm)	24.99
EIRP power Limit (dBm)	30
Margin (dB)	5.01
Measurement uncertainty (dB)	<±1.20

Mode : 802.11n HT40 - 40MHz – SISO – CORE 2

	channel 142 5710 MHz
Max. conducted power (dBm)	22.07
Duty Cycle Correction Factor (dB)	0.10
Max. conducted power corrected (dBm)	22.17
Conducted Power Limit (dBm)	24
Margin (dB)	1.83
Maximum EIRP power (dBm)	26.73
EIRP power Limit (dBm)	30
Margin (dB)	3.27
Measurement uncertainty (dB)	<±1.20

Mode : 802.11ac VHT80 - 80MHz – SISO – CORE 2

	channel 138 5690 MHz
Max. conducted power (dBm)	19.97
Duty Cycle Correction Factor (dB)	0.15
Max. conducted power corrected (dBm)	20.12
Conducted Power Limit (dBm)	24
Margin (dB)	3.88
Maximum EIRP power (dBm)	24.68
EIRP power Limit (dBm)	30
Margin (dB)	5.32
Measurement uncertainty (dB)	<±1.20

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 2

	channel 144 5720 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	17	16.97
Combined Conducted Power (dBm)	20	
Conducted Power Limit (dBm)	24	
Margin (dB)	4	
Maximum EIRP power (dBm)	30	
EIRP power Limit (dBm)	24.56	
Margin (dB)	5.44	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 2

	channel 142 5710 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	19.47	19.47
Duty Cycle Correction Factor (dB)	0.09	0.09
Max. conducted power corrected (dBm)	19.56	19.56
Combined Conducted Power (dBm)	22.57	
Conducted Power Limit (dBm)	24	
Margin (dB)	1.43	
Maximum EIRP power (dBm)	27.13	
EIRP power Limit (dBm)	30	
Margin (dB)	2.87	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 2

	channel 138 5690 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	19.90	19.73
Duty Cycle Correction Factor (dB)	0.16	0.16
Max. conducted power corrected (dBm)	20.06	19.89
Combined Conducted Power (dBm)	22.99	
Conducted Power Limit (dBm)	24	
Margin (dB)	1.01	
Maximum EIRP power (dBm)	27.55	
EIRP power Limit (dBm)	30	
Margin (dB)	2.45	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 2

	channel 144 5720 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	17.81	17.81
Combined Conducted Power (dBm)	20.82	
Conducted Power Limit (dBm)	24	
Margin (dB)	3.18	
Maximum EIRP power (dBm)	24.74	
EIRP power Limit (dBm)	30	
Margin (dB)	5.26	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 2

	channel 142 5710 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	19.93	19.90
Duty Cycle Correction Factor (dB)	0.14	0.14
Max. conducted power corrected (dBm)	20.07	20.04
Combined Conducted Power (dBm)	23.07	
Conducted Power Limit (dBm)	24	
Margin (dB)	0.93	
Maximum EIRP power (dBm)	26.99	
EIRP power Limit (dBm)	30	
Margin (dB)	3.01	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 2

	channel 138 5690 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	19.79	19.52
Duty Cycle Correction Factor (dB)	0.29	0.29
Max. conducted power corrected (dBm)	20.08	19.81
Combined Conducted Power (dBm)	22.96	
Conducted Power Limit (dBm)	24	
Margin (dB)	1.04	
Maximum EIRP power (dBm)	26.88	
EIRP power Limit (dBm)	30	
Margin (dB)	3.12	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 2

	channel 144 5720 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	16.72	16.57
Duty Cycle Correction Factor (dB)	0.11	0.11
Max. conducted power corrected (dBm)	16.83	16.68
Combined Conducted Power (dBm)	19.77	
Conducted Power Limit (dBm)	23.10	
Margin (dB)	3.33	
Maximum EIRP power (dBm)	26.67	
EIRP power Limit (dBm)	30	
Margin (dB)	3.33	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 2

	channel 142 5710 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	18.72	18.71
Duty Cycle Correction Factor (dB)	0.13	0.13
Max. conducted power corrected (dBm)	18.85	18.84
Combined Conducted Power (dBm)	21.85	
Conducted Power Limit (dBm)	23.10	
Margin (dB)	1.24	
Maximum EIRP power (dBm)	28.76	
EIRP power Limit (dBm)	30	
Margin (dB)	1.24	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 2

	channel 138 5690 MHz	
	CORE 0	CORE 2
Max. conducted power (dBm)	18.54	18.63
Duty Cycle Correction Factor (dB)	0.11	0.11
Max. conducted power corrected (dBm)	18.65	18.74
Combined Conducted Power (dBm)	21.71	
Conducted Power Limit (dBm)	23.10	
Margin (dB)	1.39	
Maximum EIRP power (dBm)	28.61	
EIRP power Limit (dBm)	30	
Margin (dB)	1.39	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 144 5720 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	13.63	13.94	13.82
Combined Conducted Power (dBm)	18.57		
Conducted Power Limit (dBm)	24		
Margin (dB)	5.43		
Maximum EIRP power (dBm)	23.13		
EIRP power Limit (dBm)	30		
Margin (dB)	6.87		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 142 5710 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	16.94	17	16.83
Combined Conducted Power (dBm)	21.70		
Conducted Power Limit (dBm)	24		
Margin (dB)	2.30		
Maximum EIRP power (dBm)	26.26		
EIRP power Limit (dBm)	30		
Margin (dB)	3.74		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 138 5690 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	18	18.03	18.05
Duty Cycle Correction Factor (dB)	0.18	0.18	0.18
Max. conducted power corrected (dBm)	18.18	18.21	18.23
Combined Conducted Power (dBm)	22.98		
Conducted Power Limit (dBm)	24		
Margin (dB)	1.02		
Maximum EIRP power (dBm)	27.54		
EIRP power Limit (dBm)	30		
Margin (dB)	2.46		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 144 5720 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	15.67	15.82	15.71
Duty Cycle Correction Factor (dB)	0.11	0.11	0.11
Max. conducted power corrected (dBm)	15.78	15.93	15.82
Combined Conducted Power (dBm)	20.62		
Conducted Power Limit (dBm)	24		
Margin (dB)	3.38		
Maximum EIRP power (dBm)	23.96		
EIRP power Limit (dBm)	30		
Margin (dB)	6.04		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 142 5710 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	17.87	17.88	17.72
Duty Cycle Correction Factor (dB)	0.22	0.22	0.22
Max. conducted power corrected (dBm)	18.09	18.10	17.94
Combined Conducted Power (dBm)	22.81		
Conducted Power Limit (dBm)	24		
Margin (dB)	1.19		
Maximum EIRP power (dBm)	26.15		
EIRP power Limit (dBm)	30		
Margin (dB)	3.85		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 138 5690 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	17.87	17.85	17.86
Duty Cycle Correction Factor (dB)	0.37	0.37	0.37
Max. conducted power corrected (dBm)	18.24	18.22	18.23
Combined Conducted Power (dBm)	23		
Conducted Power Limit (dBm)	24		
Margin (dB)	1		
Maximum EIRP power (dBm)	26.34		
EIRP power Limit (dBm)	30		
Margin (dB)	3.66		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 144 5720 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	13.55	13.73	13.78
Duty Cycle Correction Factor (dB)	0.14	0.14	0.14
Max. conducted power corrected (dBm)	13.69	13.87	13.92
Combined Conducted Power (dBm)	18.59		
Conducted Power Limit (dBm)	21.96		
Margin (dB)	3.36		
Maximum EIRP power (dBm)	26.64		
EIRP power Limit (dBm)	30		
Margin (dB)	3.36		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

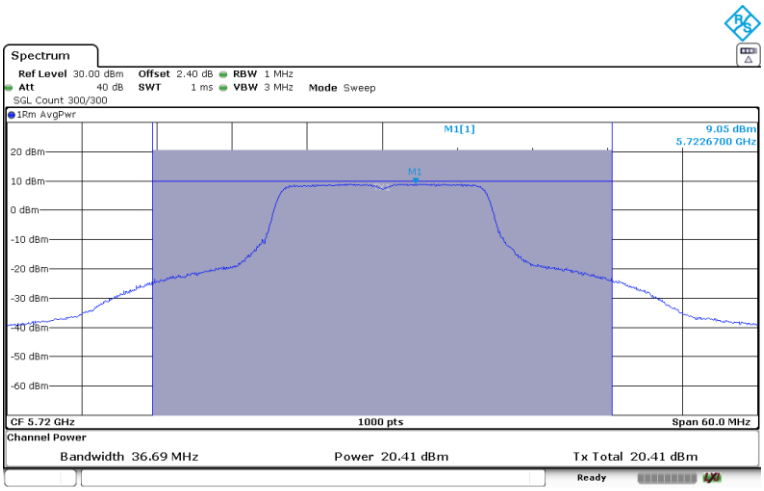
	channel 142 5710 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	16.04	15.99	16.09
Duty Cycle Correction Factor (dB)	0.13	0.13	0.13
Max. conducted power corrected (dBm)	16.17	16.12	16.22
Combined Conducted Power (dBm)	20.94		
Conducted Power Limit (dBm)	21.96		
Margin (dB)	1.01		
Maximum EIRP power (dBm)	28.99		
EIRP power Limit (dBm)	30		
Margin (dB)	1.01		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	channel 138 5690 MHz		
	CORE 0	CORE 1	CORE 2
Max. conducted power (dBm)	15.67	15.86	15.96
Duty Cycle Correction Factor (dB)	0.12	0.12	0.12
Max. conducted power corrected (dBm)	15.79	15.98	16.08
Combined Conducted Power (dBm)	20.72		
Conducted Power Limit (dBm)	21.96		
Margin (dB)	1.23		
Maximum EIRP power (dBm)	28.77		
EIRP power Limit (dBm)	30		
Margin (dB)	1.23		
Measurement uncertainty (dB)	<±1.20		

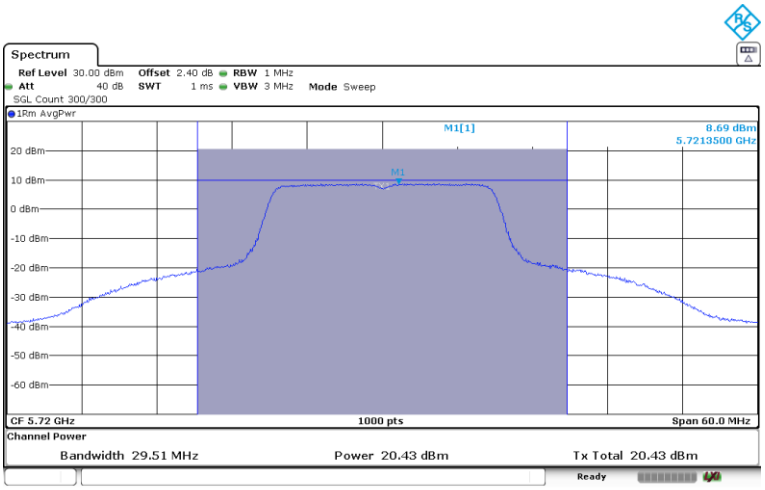
Mode : 802.11a - 20MHz – SISO – CORE 2

Channel 144



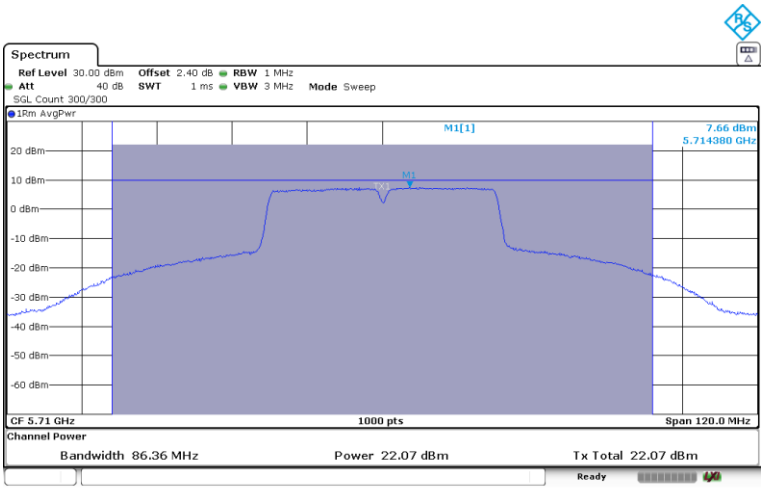
Mode : 802.11n HT20 - 20MHz – SISO – CORE 2

Channel 144



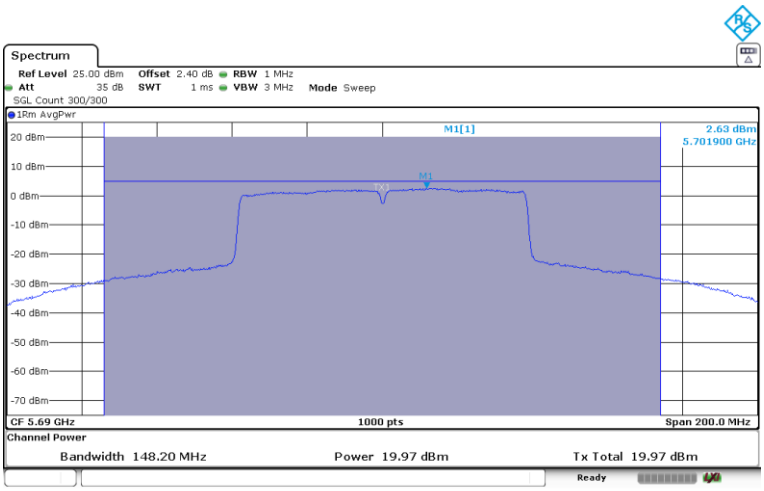
Mode : 802.11n HT40 - 40MHz – SISO – CORE 2

Channel 142



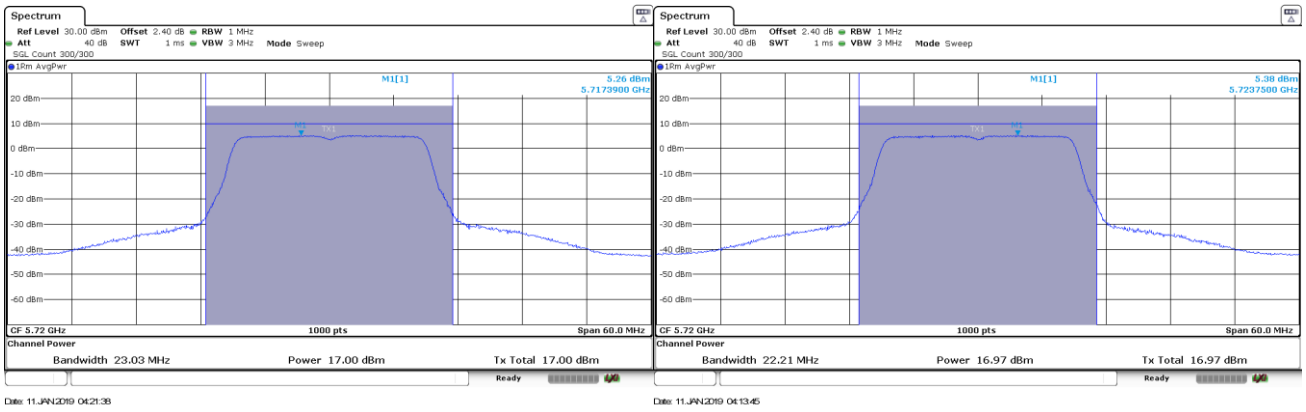
Mode : 802.11ac VHT80 - 80MHz – SISO – CORE 2

Channel 138



Mode : 802.11n HT20 – CDD – 20MHz – MIMO –CORE 0 & CORE 2

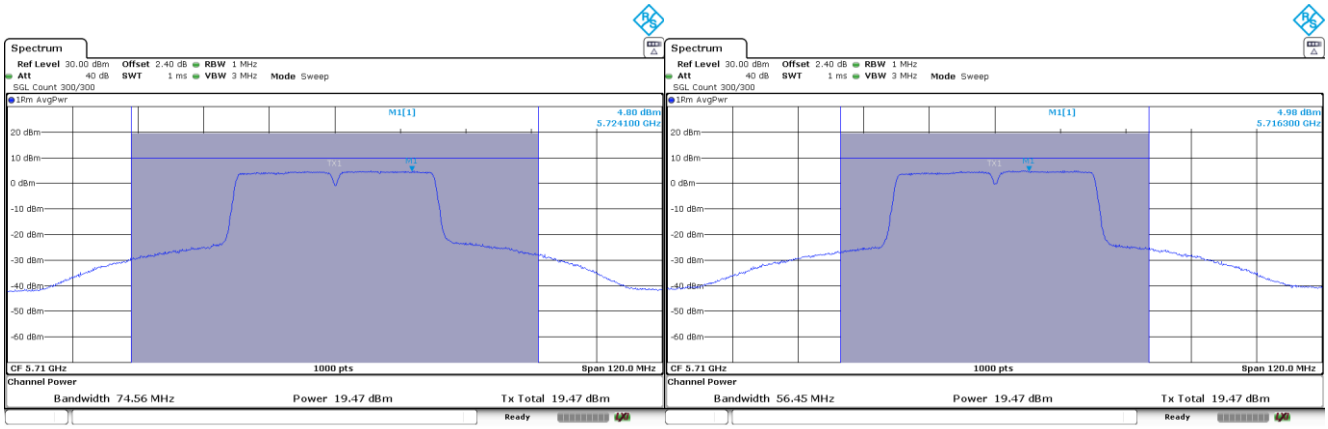
Channel 144



CORE 0 CORE 2

Mode : 802.11n HT40 – CDD – 40MHz – MIMO –CORE 0 & CORE 2

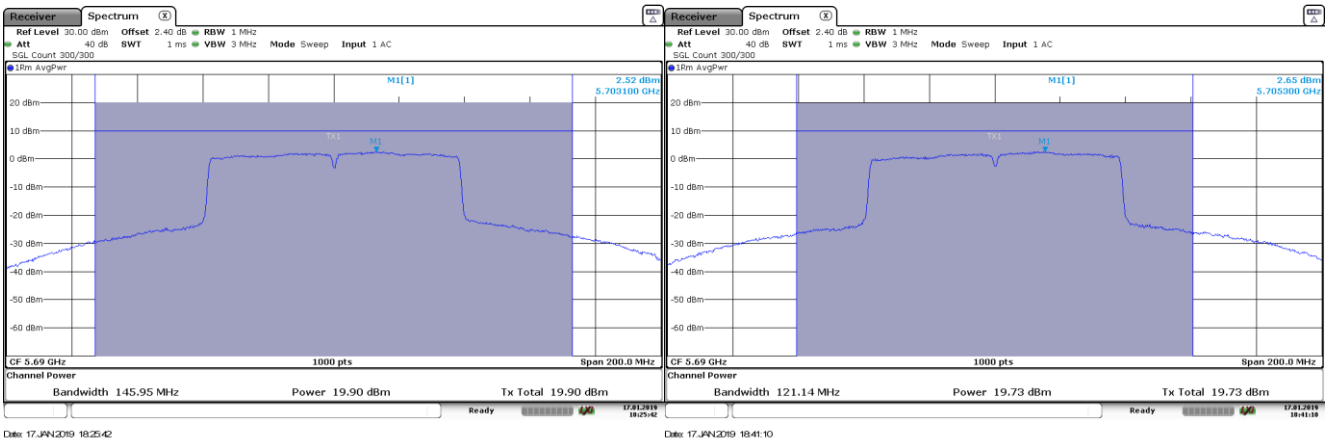
Channel 142



CORE 0 CORE 2

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO –CORE 0 & CORE 2

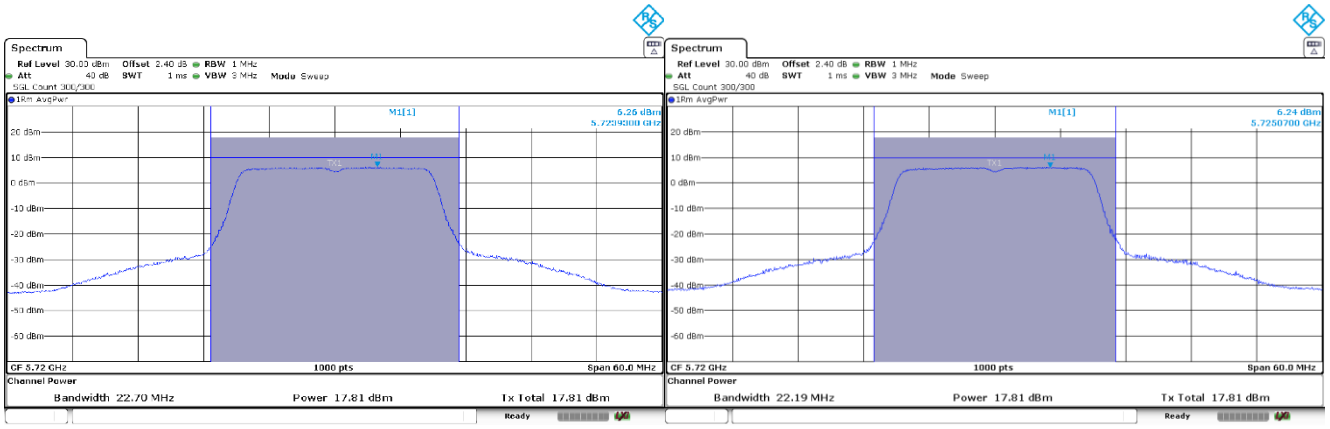
Channel 138



CORE 0 CORE 2

Mode : 802.11n HT20 – SDM – 20MHz – MIMO –CORE 0 & CORE 2

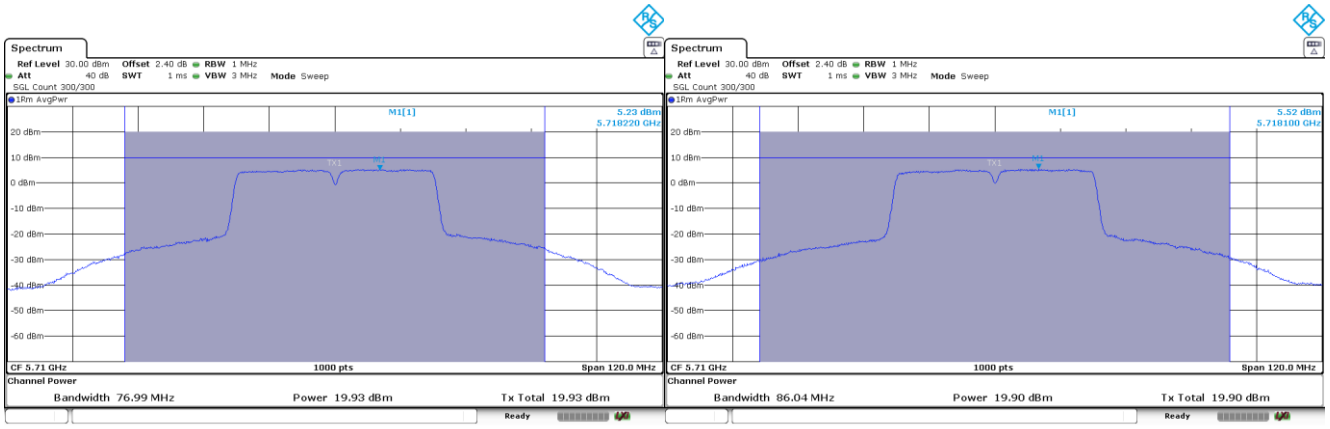
Channel 144



CORE 0 CORE 2

Mode : 802.11n HT40 – SDM – 40MHz – MIMO –CORE 0 & CORE 2

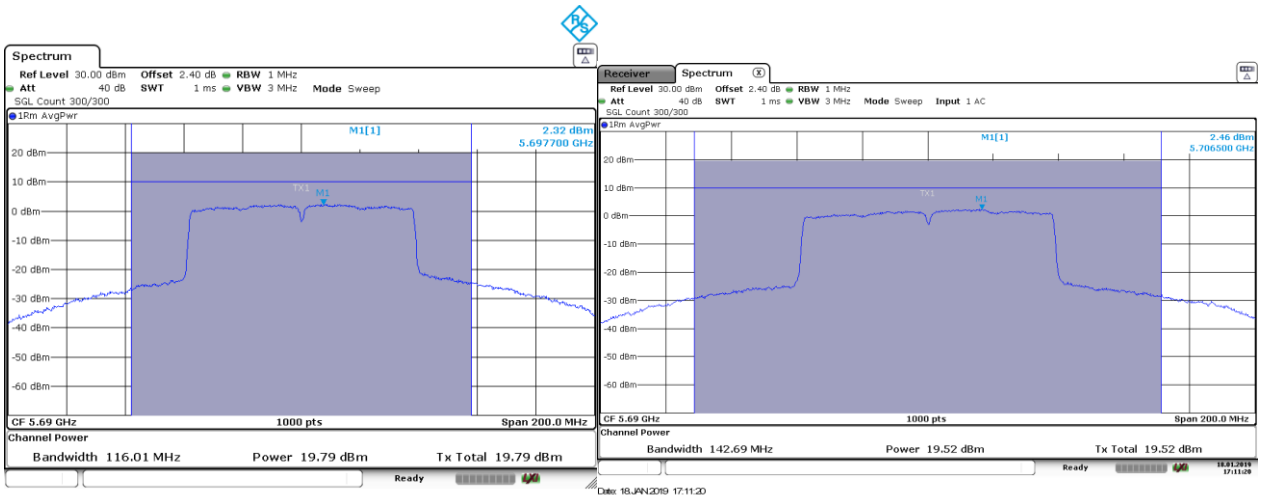
Channel 142



CORE 0 CORE 2

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO –CORE 0 & CORE 2

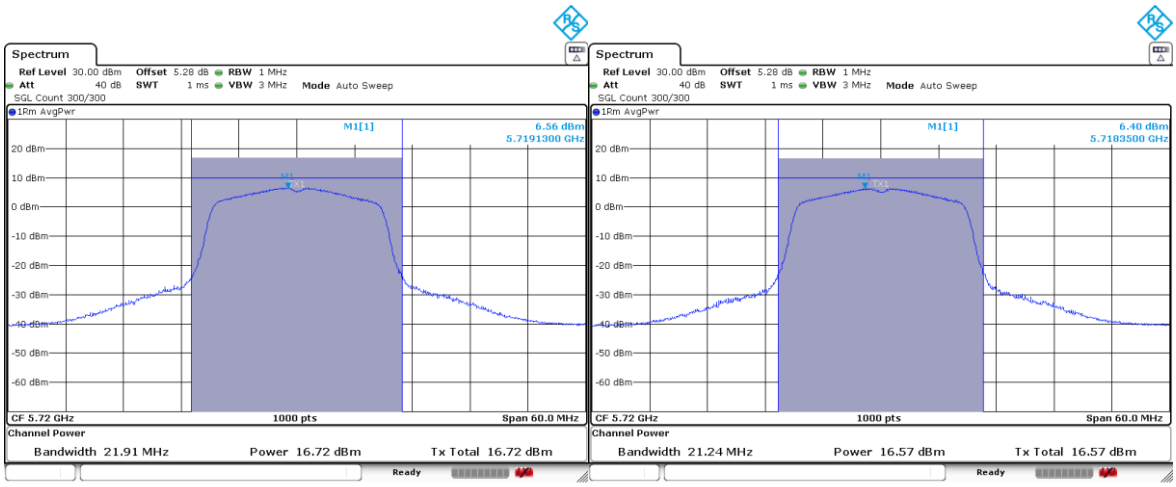
Channel 138



CORE 0 CORE 2

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO –CORE 0 & CORE 2

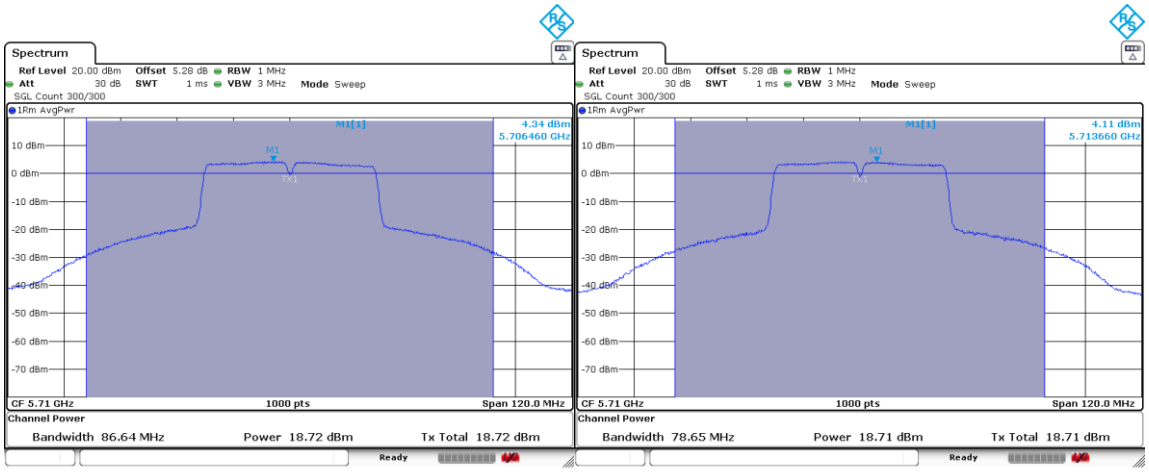
Channel 144



CORE 0 CORE 2

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO –CORE 0 & CORE 2

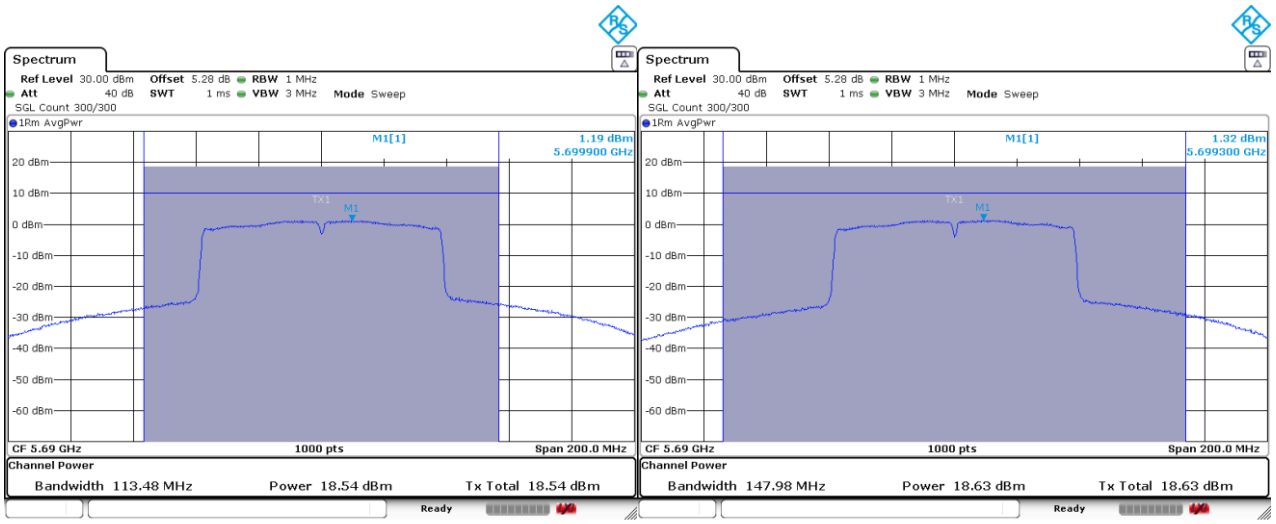
Channel 142



CORE 0 CORE 2

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 2

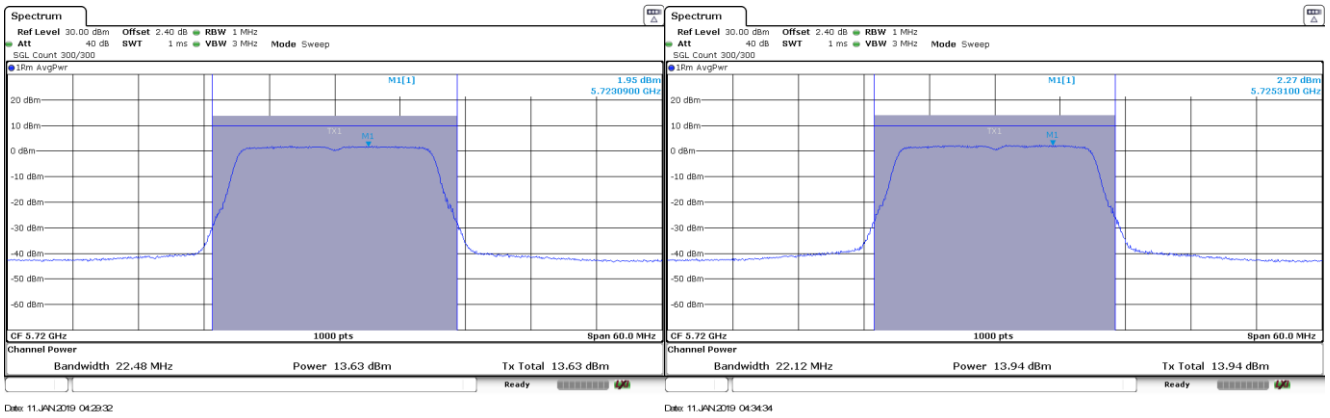
Channel 138



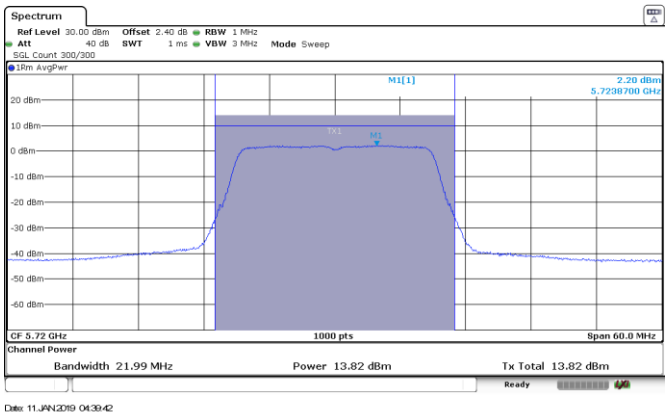
CORE 0 CORE 2

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 144



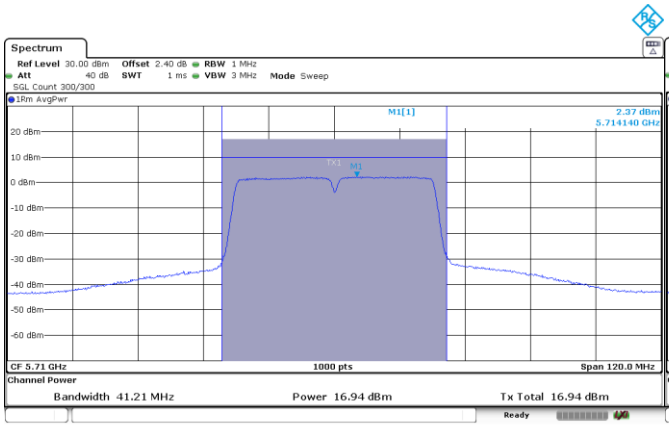
CORE 0 CORE 1

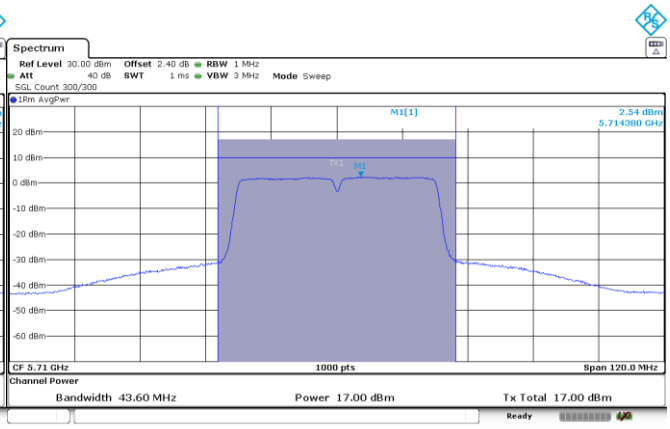


CORE 2

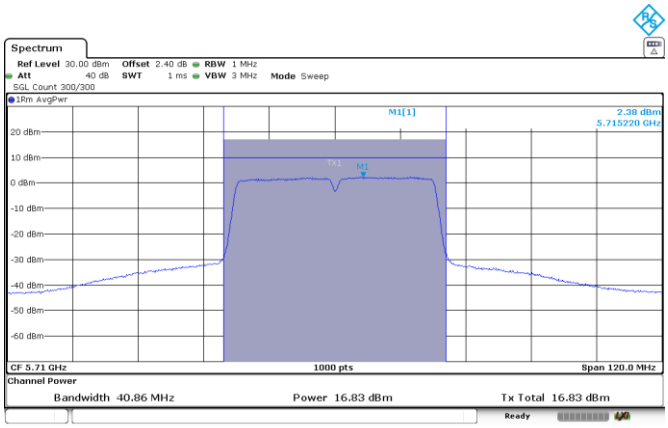
Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 142





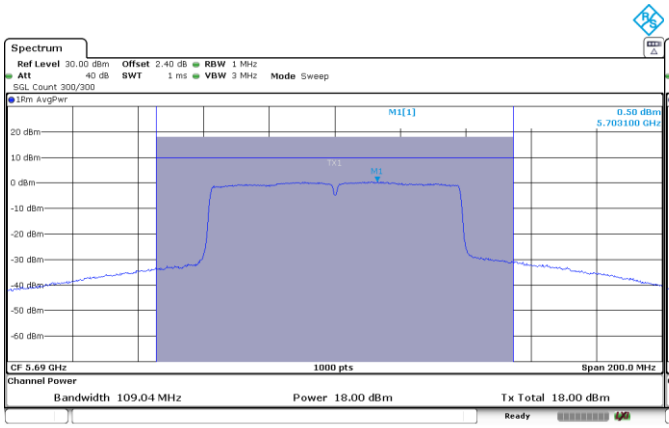
CORE 0 CORE 1

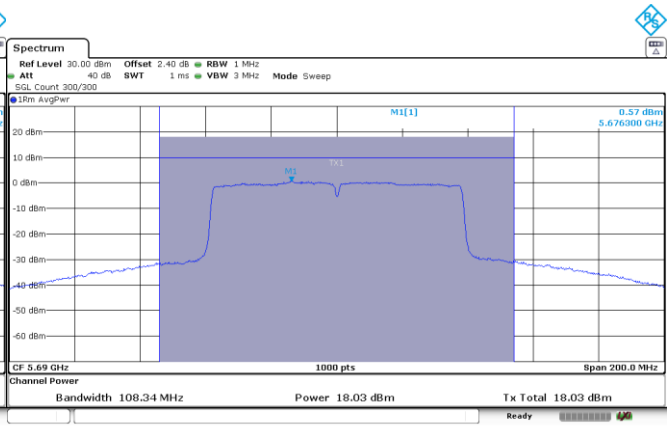


CORE 2

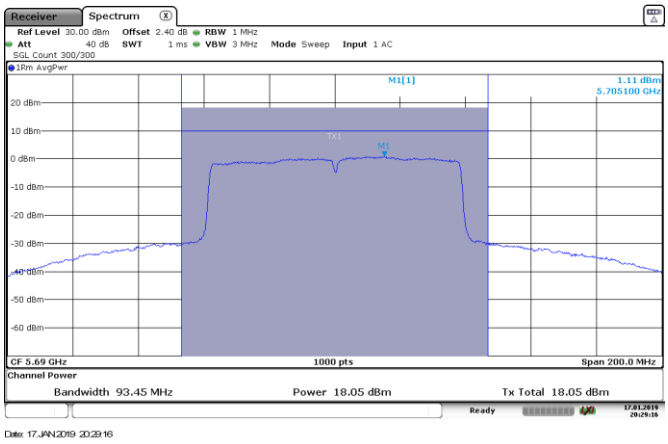
Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 138





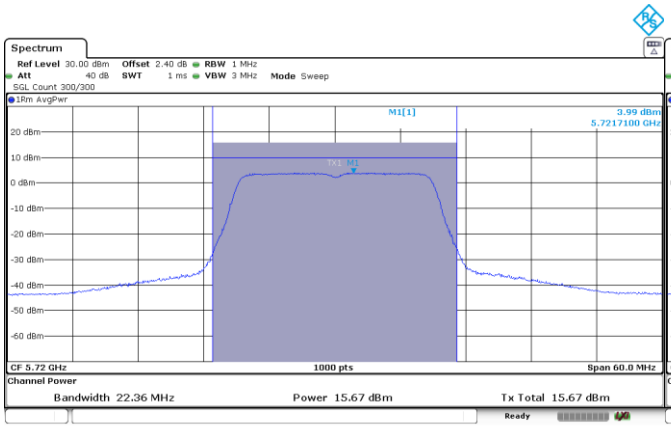
CORE 0 CORE 1



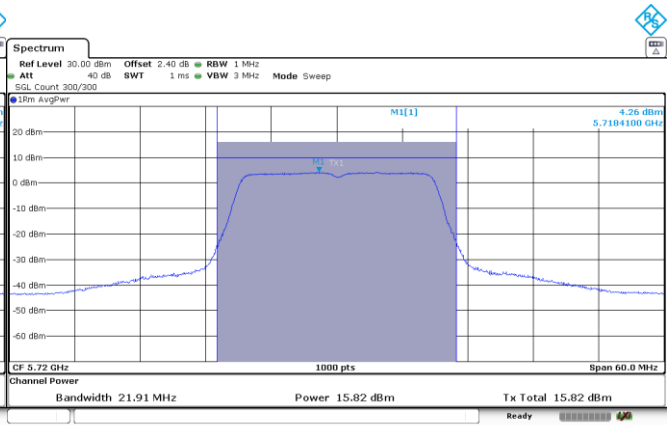
CORE 2

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

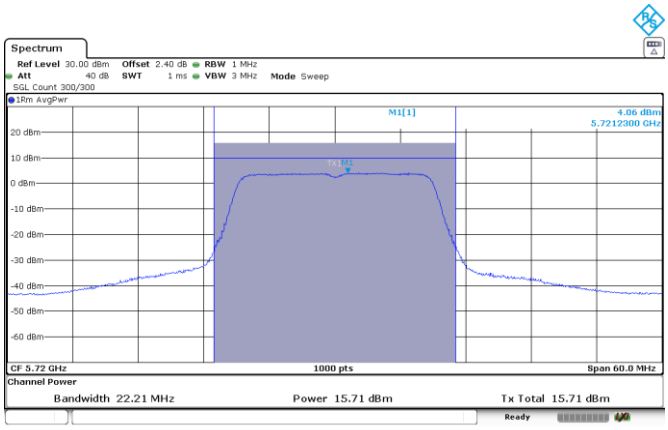
Channel 144



CORE 0



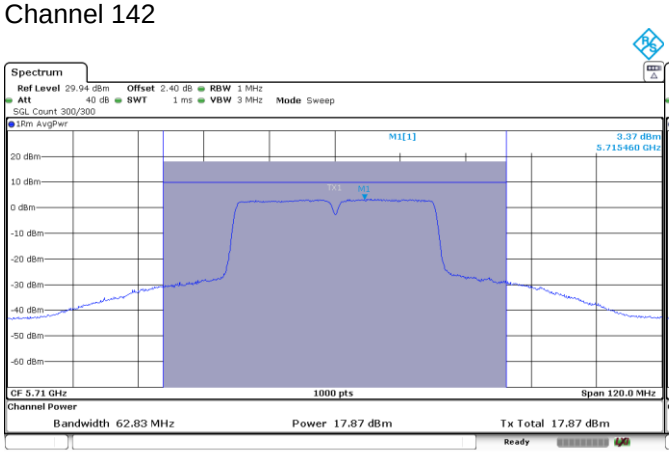
CORE 1



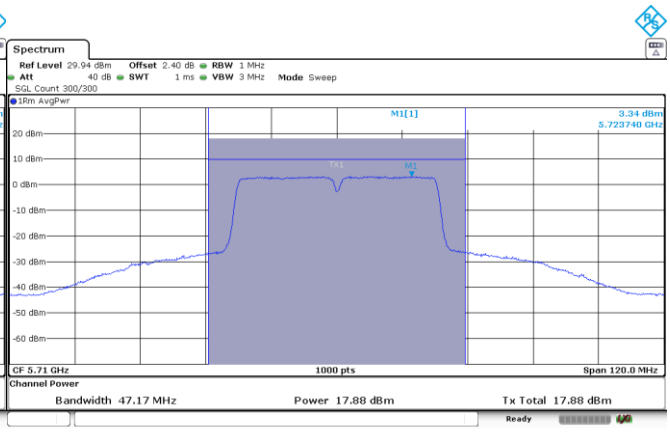
CORE 2

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

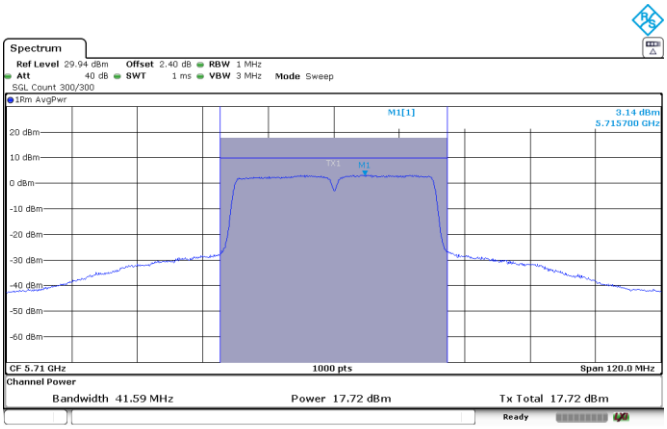
Channel 142



CORE 0



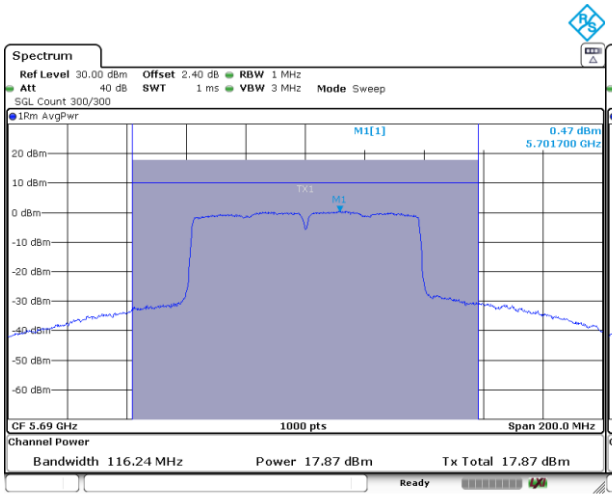
CORE 1



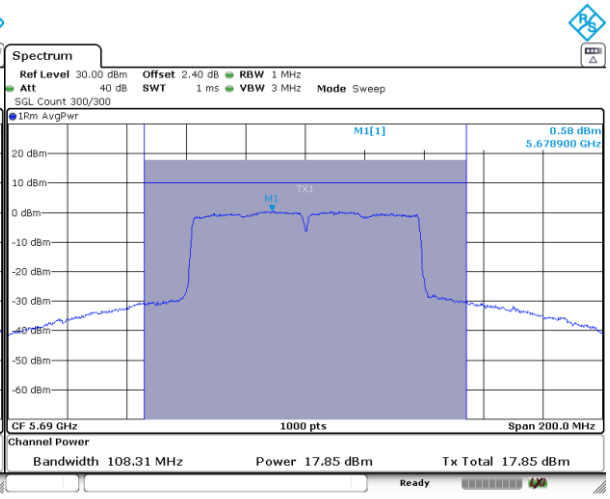
CORE 2

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

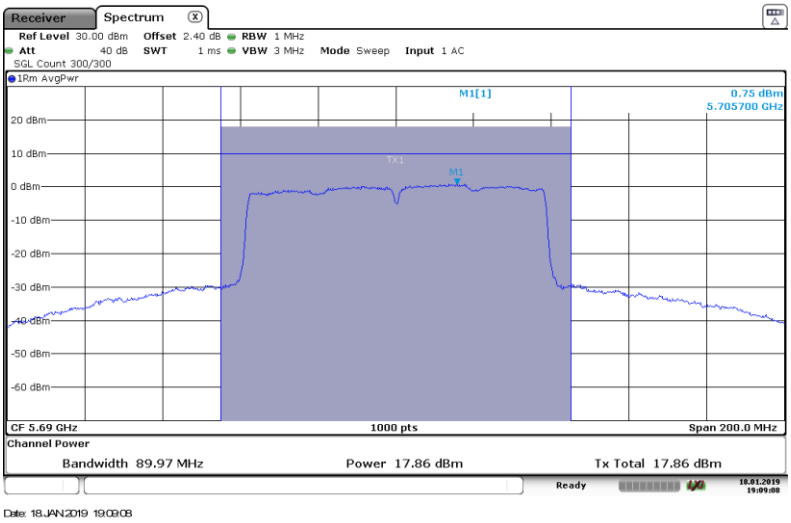
Channel 138



CORE 0



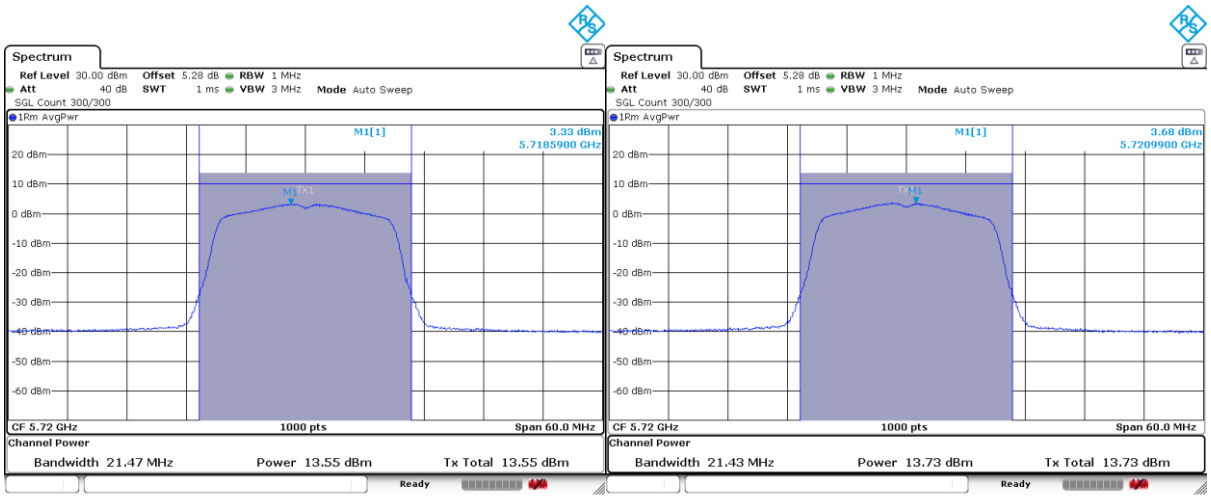
CORE 1



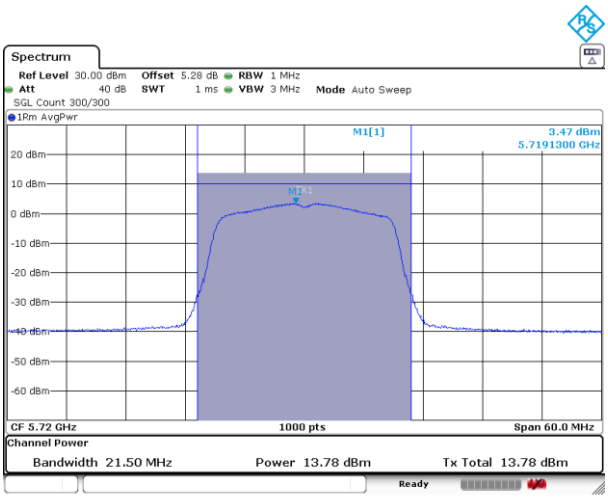
CORE 2

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 144



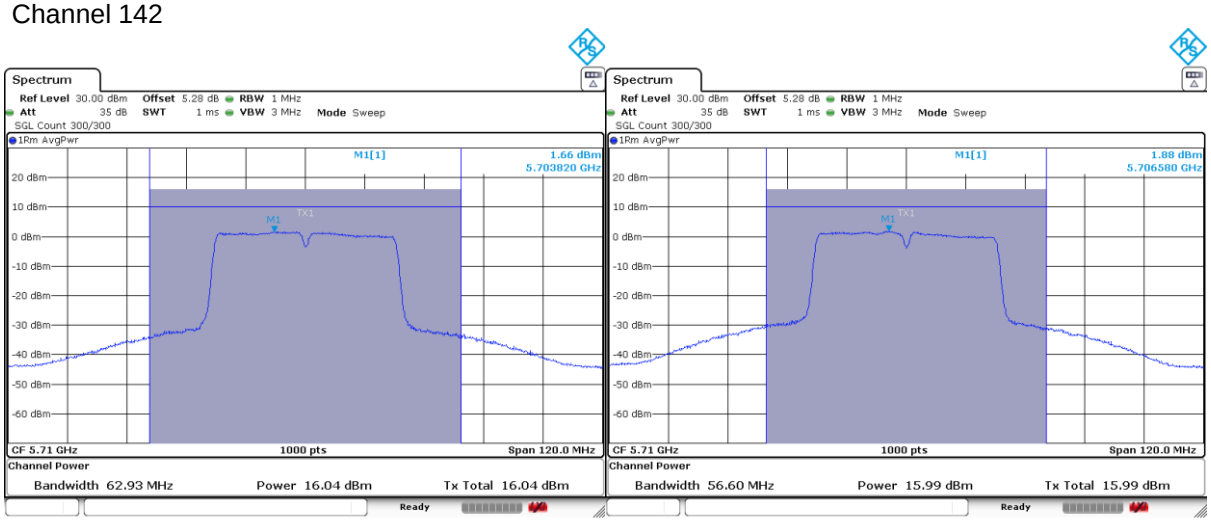
CORE 0 CORE 1



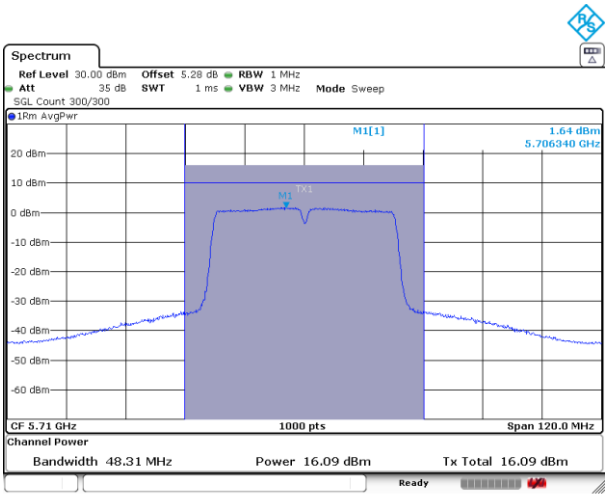
CORE 2

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 142



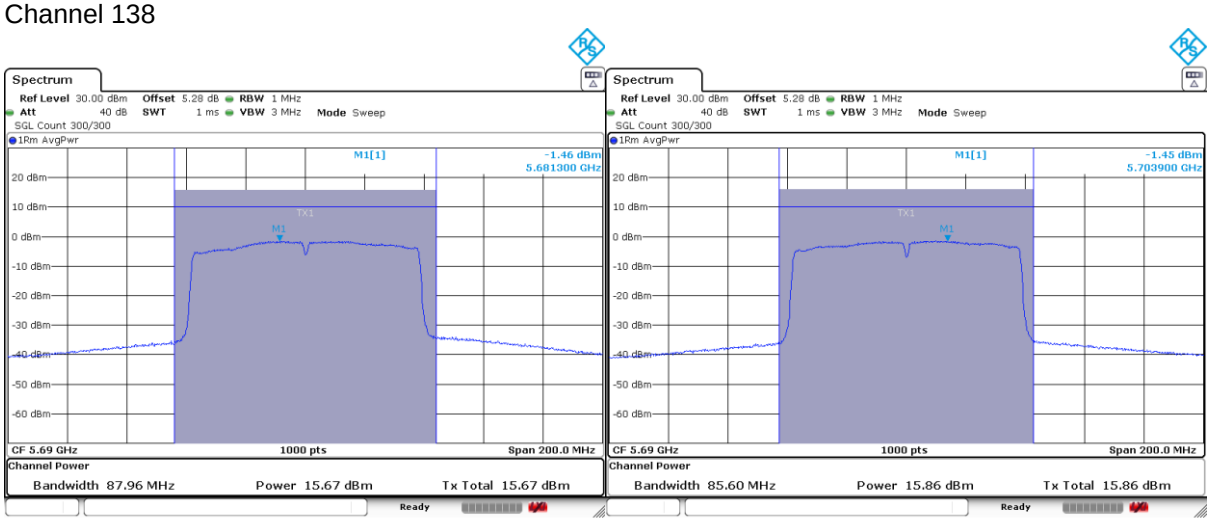
CORE 0 CORE 1



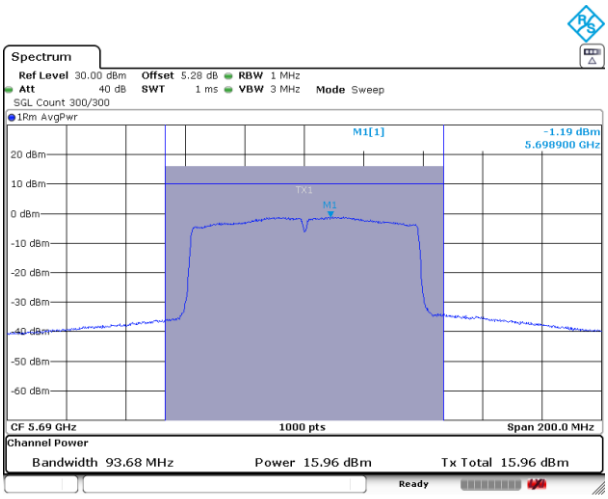
CORE 2

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 138



CORE 0 CORE 1



CORE 2

FCC Section 15.407 Subclause (a) (2) / RSS-247 Clause 6.2.3.1. Transmitter Maximum Power Spectral Density

FCC 15.407: 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.

RSS-247: The e.i.r.p. spectral density shall not exceed 11 dBm in any 1.0 MHz band.

RESULTS

The maximum power spectral density (PSD) was measured using the method according to point F) referencing E.2.b) (Method SA-1) and E.2.b) (Method SA-2) of Guidance 789033 D02 General UNII Test Procedures New Rules v02r01.

For all SISO and MIMO SDM modes of operation, the antenna gain is < 6 dBi.

For 2Tx CDD and 2Tx TxBF modes, the EUT has a directional antenna gain of 6.90 dBi. In accordance with Part 15.407 (a)(1)(iv), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. The limit has been reduced by 0.90 to 10.10 dBm.

For 3Tx CDD and 3Tx TxBF modes, the EUT has a directional antenna gain of 8.04 dBi. In accordance with Part 15.407 (a)(1)(iv), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. The limit has been reduced by 2.04 to 8.96 dBm.

The PSD test uses the same setup than the transmitter maximum conducted output power test. The result of the Peak PSD was measured by setting a maker on the peak of the signal and the results are in the tables below.

Straddling channels in the U-NII-2C and U-NII-3 at 5725 MHz (144, 162 and 138) shall meet the requirements of both bands. Compliance is shown against the more stringent limit in band U-NII-2C and therefore is also compliant with the requirements for band U-NII-3.

Mode : 802.11a - 20MHz – SISO – CORE 2

	Channel 100 5500 MHz	Channel116 5580 MHz	Channel 140 5700 MHz
PSD (dBm/MHz)	3.05	8.90	3.14
PSD Limit (dBm/MHz)	11		
Margin (dB)	7.95	2.10	7.86
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT20 - 20MHz – SISO – CORE 2

	Channel 100 5500 MHz	Channel116 5580 MHz	Channel 140 5700 MHz
PSD (dBm/MHz)	2.76	8.84	2.73
PSD Limit (dBm/MHz)	11		
Margin (dB)	8.24	2.16	8.27
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 - 40MHz – SISO – CORE 2

	Channel 102 5510 MHz	Channel 110 5550 MHz	Channel 118 5590 MHz	Channel 134 5670 MHz
PSD (dBm/MHz)	-2.75	6.67	7.39	0.32
Duty Cycle Correction Factor (dB)	0.10	0.10	0.10	0.10
PSD Corrected (dBm/MHz)	-2.65	6.77	7.49	0.42
PSD Limit (dBm/MHz)	11			
Margin (dB)	13.65	3.23	3.51	10.58
Measurement uncertainty (dB)	<±1.20			

Mode : 802.11ac VHT80 - 80MHz – SISO – CORE 2

	Channel 106 5530 MHz	Channel 122 5610 MHz
PSD (dBm/MHz)	-7.19	0.37
Duty Cycle Correction Factor (dB)	0.15	0.15
PSD Corrected (dBm/MHz)	-7.04	0.52
PSD Limit (dBm/MHz)	11	
Margin (dB)	18.04	10.48
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 2

	Channel 100 5500 MHz		Channel116 5580 MHz		Channel 140 5700 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	2.81	2.68	5.11	5.35	1.55	1.92
Combined PSD (dBm/MHz)	5.76		8.24		4.75	
PSD Limit (dBm/MHz)	10.10					
Margin (dB)	4.34		1.85		5.35	
Measurement uncertainty (dB)	<±1.20					

Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 2

	Channel 102 5510 MHz		Channel 110 5550 MHz		Channel 118 5590 MHz		Channel 134 5670 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	-2.87	-2.64	4.76	4.66	4.81	4.79	0.67	0.54
Duty Cycle Correction Factor (dB)	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
PSD Corrected (dBm/MHz)	-2.78	-2.55	4.85	4.75	4.90	4.88	0.76	0.63
Combined PSD (dBm/MHz)	0.35		7.81		7.90		3.70	
PSD Limit (dBm/MHz)	10.10							
Margin (dB)	9.75		2.55		2.20		6.39	
Measurement uncertainty (dB)	<±1.20							

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 2

	Channel 106 5530 MHz		Channel 122 5610 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	-7	-6.45	-0.48	-0.38
Duty Cycle Correction Factor (dB)	0.16	0.16	0.16	0.16
PSD corrected (dBm/MHz)	-6.84	-6.29	-0.32	-0.22
Combined PSD (dBm/MHz)	-3.55		2.74	
PSD Limit (dBm/MHz)	10.10			
Margin (dB)	13.64		7.36	
Measurement uncertainty (dB)	<±1.20			

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 2

	Channel 100 5500 MHz		Channel 116 5580 MHz		Channel 140 5700 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	2.17	2.16	5.97	6.24	2.15	2.31
Combined PSD (dBm/MHz)	5.18		9.12		5.24	
PSD Limit (dBm/MHz)	11					
Margin (dB)	5.82		1.88		5.76	
Measurement uncertainty (dB)	<±1.20					

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 2

	Channel 102 5510 MHz		Channel 110 5550 MHz		Channel 118 5590 MHz		Channel 134 5670 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	-2.62	-2.44	5.03	5.04	4.81	5.31	-0.34	-0.47
Duty Cycle Correction Factor (dB)	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
PSD corrected (dBm/MHz)	-2.48	-2.30	5.17	5.18	4.95	5.45	-0.20	-0.33
Combined PSD (dBm/MHz)	0.62		8.19		8.22		2.75	
PSD Limit (dBm/MHz)	11							
Margin (dB)	10.38		2.81		2.78		8.25	
Measurement uncertainty (dB)	<±1.20							

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 2

	Channel 106 5530 MHz		Channel 122 5610 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	-6.91	-6.78	-0.48	-0.47
Duty Cycle Correction Factor (dB)	0.29	0.29	0.29	0.29
PSD corrected (dBm/MHz)	-6.62	-6.49	-0.19	-0.18
Combined PSD (dBm/MHz)	-3.54		2.83	
PSD Limit (dBm/MHz)	11			
Margin (dB)	14.54		8.17	
Measurement uncertainty (dB)	<±1.20			

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 2

	Channel 100 5500 MHz		Channel116 5580 MHz		Channel 140 5700 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	4.19	3.73	6.77	6.48	2.52	2.43
Duty Cycle Correction Factor (dB)	0.11	0.11	0.11	0.11	0.11	0.11
PSD corrected (dBm/MHz)	4.30	3.84	6.88	6.59	2.63	2.54
Combined PSD (dBm/MHz)	7.09		9.75		5.60	
PSD Limit (dBm/MHz)	10.10					
Margin (dB)	3.01		0.35		4.50	
Measurement uncertainty (dB)	<±1.20					

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 2

	Channel 102 5510 MHz		Channel 110 5550 MHz		Channel 118 5590 MHz		Channel 134 5670 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	-3.79	-3.89	4.30	4.20	4.31	4.12	-0.56	-0.51
Duty Cycle Correction Factor (dB)	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
PSD corrected (dBm/MHz)	-3.66	-3.76	4.43	4.33	4.44	4.25	-0.43	-0.38
Combined PSD (dBm/MHz)	-0.70		7.39		7.35		2.60	
PSD Limit (dBm/MHz)	10.10							
Margin (dB)	10.80		2.71		2.74		7.49	
Measurement uncertainty (dB)	<±1.20							

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 2

	Channel 106 5530 MHz		Channel 122 5610 MHz	
	CORE 0	CORE 2	CORE 0	CORE 2
PSD (dBm/MHz)	-8.41	-8.06	-2.64	-2.75
Duty Cycle Correction Factor (dB)	0.11	0.11	0.11	0.11
PSD corrected (dBm/MHz)	-8.30	-7.95	-2.53	-2.64
Combined PSD (dBm/MHz)	-5.11		0.43	
PSD Limit (dBm/MHz)	10.10			
Margin (dB)	15.21		9.67	
Measurement uncertainty (dB)	<±1.20			

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 100 5500 MHz			Channel 116 5580 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	1.49	1.88	1.78	1.91	2.51	2.24
Combined PSD (dBm/MHz)	6.49			7		
PSD Limit (dBm/MHz)	8.96					
Margin (dB)	2.47			1.96		
Measurement uncertainty (dB)	<±1.20					

	Channel 140 5700 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	2.12	2.26	2.28
Combined PSD (dBm/MHz)	6.99		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	1.96		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 102 5510 MHz			Channel 110 5550 MHz			Channel 118 5590 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-3.61	-3.47	-3.66	2.29	2.52	2.19	2.36	2.40	2.44
Combined PSD (dBm/MHz)	1.19			7.11			5.64		
PSD Limit (dBm/MHz)	8.96								
Margin (dB)	7.76			1.85			1.79		
Measurement uncertainty (dB)	<±1.20								

	Channel 134 5670 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	0.89	0.78	0.93
Combined PSD (dBm/MHz)	5.64		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	3.32		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 106 5530 MHz			Channel 122 5610 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-8.56	-8.03	-7.89	-1.51	-1.52	-1.61
Duty Cycle Correction Factor (dB)	0.18	0.18	0.18	0.18	0.18	0.18
PSD corrected (dBm/MHz)	-8.38	-7.85	-7.71	-1.33	-1.34	-1.43
Combined PSD (dBm/MHz)	-3.20			3.40		
PSD Limit (dBm/MHz)	8.96			8.96		
Margin (dB)	12.16			5.55		
Measurement uncertainty (dB)	<±1.20					

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 100 5500 MHz			Channel116 5580 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	2.43	2.52	2.54	4.25	4.08	4.21
Duty Cycle Correction Factor (dB)	0.11	0.11	0.11	0.11	0.11	0.11
PSD corrected (dBm/MHz)	2.54	2.63	2.65	4.36	4.19	4.32
Combined PSD (dBm/MHz)	7.38			9.06		
PSD Limit (dBm/MHz)	11					
Margin (dB)	3.62			1.94		
Measurement uncertainty (dB)	<±1.20					

	Channel 140 5700 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	3.98	4.15	4.09
Duty Cycle Correction Factor (dB)	0.11	0.11	0.11
PSD corrected (dBm/MHz)	4.09	4.26	4.20
Combined PSD (dBm/MHz)	8.96		
PSD Limit (dBm/MHz)	11		
Margin (dB)	2.04		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 102 5510 MHz			Channel 110 5500 MHz			Channel 118 5590 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-2.59	-2.44	-2.65	3.10	3.46	3.49	3.25	3.39	3.29
Duty Cycle Correction Factor (dB)	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
PSD corrected (dBm/MHz)	-2.37	-2.22	-2.43	3.32	3.68	3.71	3.47	3.61	3.51
Combined PSD (dBm/MHz)	2.43			8.34			6.18		
PSD Limit (dBm/MHz)	11								
Margin (dB)	8.57			2.66			2.70		
Measurement uncertainty (dB)	<±1.20								

	Channel 134 5670 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	1.21	1.41	0.95
Duty Cycle Correction Factor (dB)	0.22	0.22	0.22
PSD corrected (dBm/MHz)	1.43	1.63	1.17
Combined PSD (dBm/MHz)	6.18		
PSD Limit (dBm/MHz)	11		
Margin (dB)	4.82		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 106 5530 MHz			Channel 122 5610 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-8.49	-7.93	-8.14	-1.71	-1.52	-1.75
Duty Cycle Correction Factor (dB)	0.37	0.37	0.37	0.37	0.37	0.37
PSD corrected (dBm/MHz)	-8.12	-7.56	-7.77	-1.34	-1.15	-1.38
Combined PSD (dBm/MHz)	-3.04			3.48		
PSD Limit (dBm/MHz)	11					
Margin (dB)	14.04			7.52		
Measurement uncertainty (dB)	<±1.20					

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 100 5500 MHz			Channel116 5580 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	2.39	2.46	2.44	3.37	3.63	3.58
Duty Cycle Correction Factor (dB)	0.14	0.14	0.14	0.14	0.14	0.14
PSD corrected (dBm/MHz)	2.53	2.60	2.58	3.51	3.77	3.72
Combined PSD (dBm/MHz)	7.34			8.43		
PSD Limit (dBm/MHz)	8.96					
Margin (dB)	1.62			0.52		
Measurement uncertainty (dB)	<±1.20					

	Channel 140 5700 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	2.46	2.49	2.25
Duty Cycle Correction Factor (dB)	0.14	0.14	0.14
PSD corrected (dBm/MHz)	2.60	2.63	2.39
Combined PSD (dBm/MHz)	7.31		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	1.65		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 102 5510 MHz			Channel 110 5550 MHz			Channel 118 5590 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-4.61	-4.27	-4.68	1.30	1.54	1.58	1.79	1.45	1.37
Duty Cycle Correction Factor (dB)	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
PSD corrected (dBm/MHz)	-4.48	-4.14	-4.55	1.43	1.67	1.71	1.92	1.58	1.50
Combined PSD (dBm/MHz)	0.39			6.38			4.40		
PSD Limit (dBm/MHz)	8.96								
Margin (dB)	8.57			2.58			2.51		
Measurement uncertainty (dB)	<±1.20								

	Channel 134 5670 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-0.66	-0.79	-0.10
Duty Cycle Correction Factor (dB)	0.13	0.13	0.13
PSD corrected (dBm/MHz)	-0.53	-0.66	0.03
Combined PSD (dBm/MHz)	4.40		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	4.56		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 106 5530 MHz			Channel 122 5610 MHz		
	CORE 0	CORE 1	CORE 2	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-8.59	-7.78	-8.44	-2.91	-2.33	-2.76
Duty Cycle Correction Factor (dB)	0.12	0.12	0.12	0.12	0.12	0.12
PSD corrected (dBm/MHz)	-8.47	-7.66	-8.32	-2.79	-2.21	-2.64
Combined PSD (dBm/MHz)	-3.36			2.23		
PSD Limit (dBm/MHz)	8.96			8.96		
Margin (dB)	12.32			6.72		
Measurement uncertainty (dB)	<±1.20					

PSD (Straddle Channels)

Mode : 802.11a - 20MHz – SISO – CORE 2

	Channel 144 5720 MHz
PSD (dBm/MHz)	9.05
PSD Limit (dBm/MHz)	11
Margin (dB)	1.95
Measurement uncertainty (dB)	<±1.20

Mode : 802.11n HT20 - 20MHz – SISO – CORE 2

	Channel 144 5720 MHz
PSD (dBm/MHz)	8.69
PSD Limit (dBm/MHz)	11
Margin (dB)	2.31
Measurement uncertainty (dB)	<±1.20

Mode : 802.11n HT40 - 40MHz – SISO – CORE 2

	Channel 142 5710 MHz
PSD (dBm/MHz)	7.66
Duty Cycle Correction Factor (dB)	0.10
PSD Corrected (dBm/MHz)	7.76
PSD Limit (dBm/MHz)	11
Margin (dB)	3.24
Measurement uncertainty (dB)	<±1.20

Mode : 802.11ac VHT80 - 80MHz – SISO – CORE 2

	Channel 138 5690 MHz
PSD (dBm/MHz)	2.63
Duty Cycle Correction Factor (dB)	0.15
PSD Corrected (dBm/MHz)	2.78
PSD Limit (dBm/MHz)	11
Margin (dB)	8.22
Measurement uncertainty (dB)	<±1.20

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 2

	Channel 144 5720 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	5.26	5.38
Combined PSD (dBm/MHz)	8.33	
PSD Limit (dBm/MHz)	10.10	
Margin (dB)	1.77	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 2

	Channel 142 5710 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	4.8	4.98
Duty Cycle Correction Factor (dB)	0.09	0.09
PSD Corrected (dBm/MHz)	4.89	5.07
Combined PSD (dBm/MHz)	7.99	
PSD Limit (dBm/MHz)	10.10	
Margin (dB)	2.11	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 2

	Channel 138 5690 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	2.52	2.65
Duty Cycle Correction Factor (dB)	0.16	0.16
PSD corrected (dBm/MHz)	5.76	2.81
Combined PSD (dBm/MHz)	5.76	
PSD Limit (dBm/MHz)	10.10	
Margin (dB)	4.34	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 2

	Channel 144 5720 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	6.26	6.24
Combined PSD (dBm/MHz)	9.26	
PSD Limit (dBm/MHz)	11	
Margin (dB)	1.74	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 2

	Channel 142 5710 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	5.23	5.52
Duty Cycle Correction Factor (dB)	0.14	0.14
PSD corrected (dBm/MHz)	5.37	5.66
Combined PSD (dBm/MHz)	8.53	
PSD Limit (dBm/MHz)	11	
Margin (dB)	2.47	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 2

	Channel 138 5690 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	2.32	2.46
Duty Cycle Correction Factor (dB)	0.29	0.29
PSD corrected (dBm/MHz)	2.61	2.75
Combined PSD (dBm/MHz)	5.69	
PSD Limit (dBm/MHz)	11	
Margin (dB)	5.31	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 2

	Channel 144 5720 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	1.19	1.32
Duty Cycle Correction Factor (dB)	0.11	0.11
PSD corrected (dBm/MHz)	1.30	1.43
Combined PSD (dBm/MHz)	4.38	
PSD Limit (dBm/MHz)	10.10	
Margin (dB)	5.72	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 2

	Channel 142 5710 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	4.34	4.11
Duty Cycle Correction Factor (dB)	0.13	0.13
PSD corrected (dBm/MHz)	4.37	4.24
Combined PSD (dBm/MHz)	7.36	
PSD Limit (dBm/MHz)	10.10	
Margin (dB)	2.73	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 2

	Channel 138 5690 MHz	
	CORE 0	CORE 2
PSD (dBm/MHz)	1.19	1.32
Duty Cycle Correction Factor (dB)	0.11	0.11
PSD corrected (dBm/MHz)	1.30	1.43
Combined PSD (dBm/MHz)	4.38	
PSD Limit (dBm/MHz)	10.10	
Margin (dB)	5.72	
Measurement uncertainty (dB)	<±1.20	

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 144 5720 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	1.95	2.27	2.20
Combined PSD (dBm/MHz)	6.91		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	2.04		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – CDD – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 142 5710 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	2.37	2.54	2.38
Combined PSD (dBm/MHz)	7.20		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	1.75		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – CDD – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 138 5690 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	0.5	0.57	1.11
Duty Cycle Correction Factor (dB)	0.18	0.18	0.18
PSD corrected (dBm/MHz)	0.68	0.75	1.29
Combined PSD (dBm/MHz)	5.68		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	3.27		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT20 – SDM – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 144 5720 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	3.99	4.26	4.06
Duty Cycle Correction Factor (dB)	0.11	0.11	0.11
PSD corrected (dBm/MHz)	4.10	4.37	4.17
Combined PSD (dBm/MHz)	8.99		
PSD Limit (dBm/MHz)	11		
Margin (dB)	2.01		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – SDM – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 142 5710 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	3.58	3.70	3.76
Duty Cycle Correction Factor (dB)	0.22	0.22	0.22
PSD corrected (dBm/MHz)	3.80	3.92	3.98
Combined PSD (dBm/MHz)	8.67		
PSD Limit (dBm/MHz)	11		
Margin (dB)	2.33		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – SDM – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 138 5690 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	0.47	0.58	0.75
Duty Cycle Correction Factor (dB)	0.37	0.37	0.37
PSD corrected (dBm/MHz)	0.84	0.95	1.12
Combined PSD (dBm/MHz)	5.74		
PSD Limit (dBm/MHz)	11		
Margin (dB)	5.26		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT20 – TxBF – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 144 5720 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	3.33	3.68	3.47
Duty Cycle Correction Factor (dB)	0.14	0.14	0.14
PSD corrected (dBm/MHz)	3.47	3.82	3.61
Combined PSD (dBm/MHz)	8.40		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	0.55		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11n HT40 – TxBF – 40MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 142 5710 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	1.66	1.88	1.64
Duty Cycle Correction Factor (dB)	0.13	0.13	0.13
PSD corrected (dBm/MHz)	1.79	2.01	1.77
Combined PSD (dBm/MHz)	6.63		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	2.33		
Measurement uncertainty (dB)	<±1.20		

Mode : 802.11ac VHT80 – TxBF – 80MHz – MIMO – CORE 0 & CORE 1 & CORE 2

	Channel 138 5690 MHz		
	CORE 0	CORE 1	CORE 2
PSD (dBm/MHz)	-1.46	-1.45	-1.19
Duty Cycle Correction Factor (dB)	0.12	0.12	0.12
PSD corrected (dBm/MHz)	-1.34	-1.33	-1.07
Combined PSD (dBm/MHz)	3.53		
PSD Limit (dBm/MHz)	8.96		
Margin (dB)	5.43		
Measurement uncertainty (dB)	<±1.20		

FCC Section 15.407(b)(3)(6) /RSS-247 6.2.3.2. Transmitter Out of Band Radiated Emissions

SPECIFICATION

For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of –27 dBm/MHz (68.23 dBµV/m at 3 m distance).

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
1.705 - 30.0	30	-	30
30 – 88	100	40	3
88 – 216	150	43.5	3
216 – 960	200	46	3
960 – 40000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360º and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-40 GHz.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

Test performed on the following worst case channel 118 (5580MHz) and the channel 120 (5600MHz):

- 802. 11n HT20: MCS0 / MIMO (3Tx CDD) on Core 0 & Core 1 & Core 2

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Frequency range 30 MHz-1000 MHz.

Note: The spurious emissions below 1 GHz do not depend on either the operating channel or the modulation mode selected in the EUT.

Spurious levels operating (radiated) closest to limit.

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Measurement Uncertainty (dB)
120.453	Vertical	Quasi-Peak	35	43.5	8.50	± 3.88
143.502	Horizontal	Quasi-Peak	29.70	43.5	13.80	± 3.88
167.480	Vertical	Quasi-Peak	31	43.5	12.50	± 3.88
169.055	Horizontal	Quasi-Peak	32	43.5	11.50	± 3.88
191.295	Horizontal	Quasi-Peak	36.40	43.5	7.10	± 3.88

Frequency range 1 GHz-40 GHz

Channel 118 (5580MHz):

No radiated spurious signals were detected at less than 20 dB respect to the limit.

Measurement Uncertainty (dB) < ± 3.05

Verdict: PASS

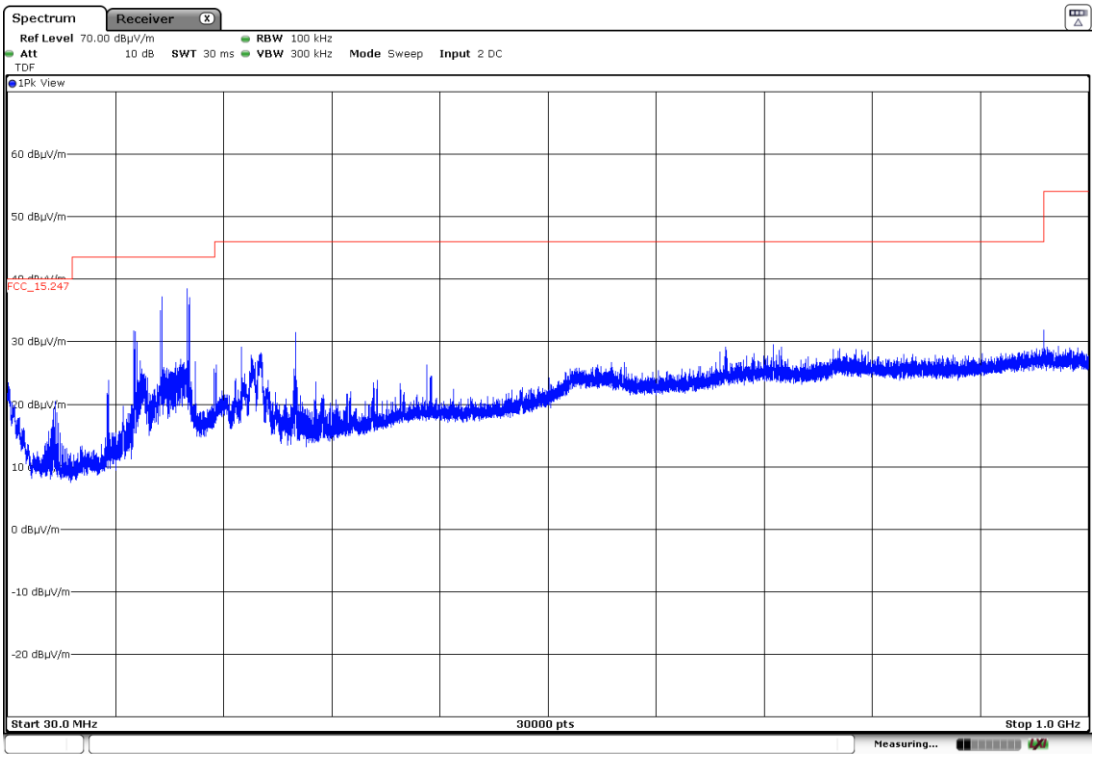
Channel 120 (5600MHz):

No radiated spurious signals were detected at less than 20 dB respect to the limit.

Measurement Uncertainty (dB) < ± 3.05

Verdict: PASS

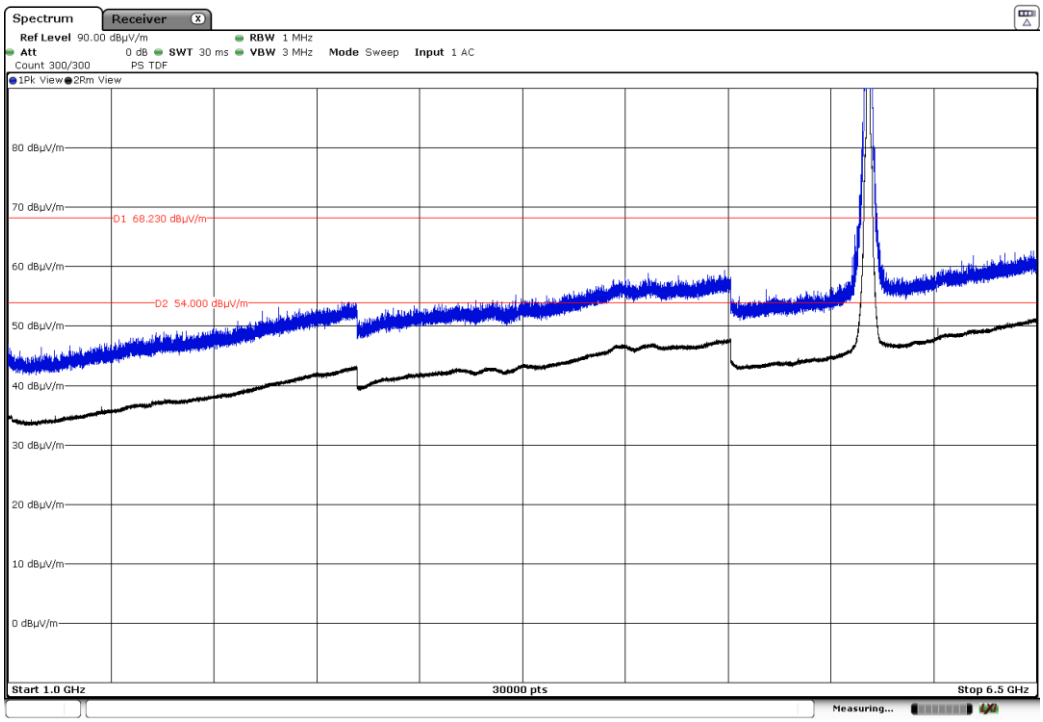
FREQUENCY RANGE 30 MHz-1000 MHz.



FREQUENCY RANGE 1 GHz to 6.5 GHz.

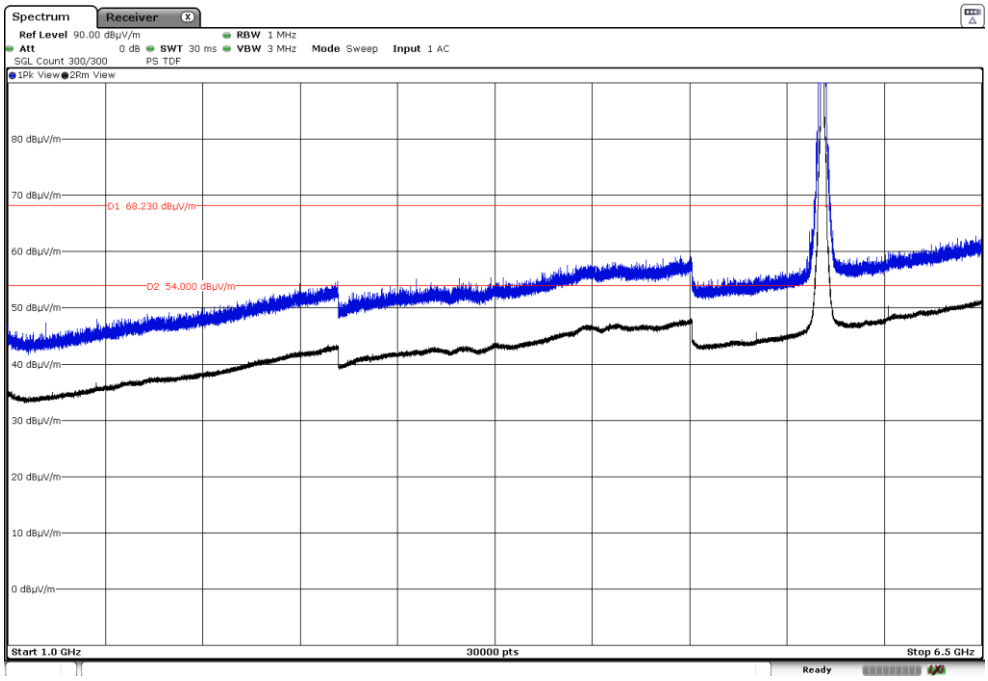
Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 118 (5580MHz):



Note: The peak shown in the plot above the limit is the carrier frequency.

Channel 120 (5600MHz):

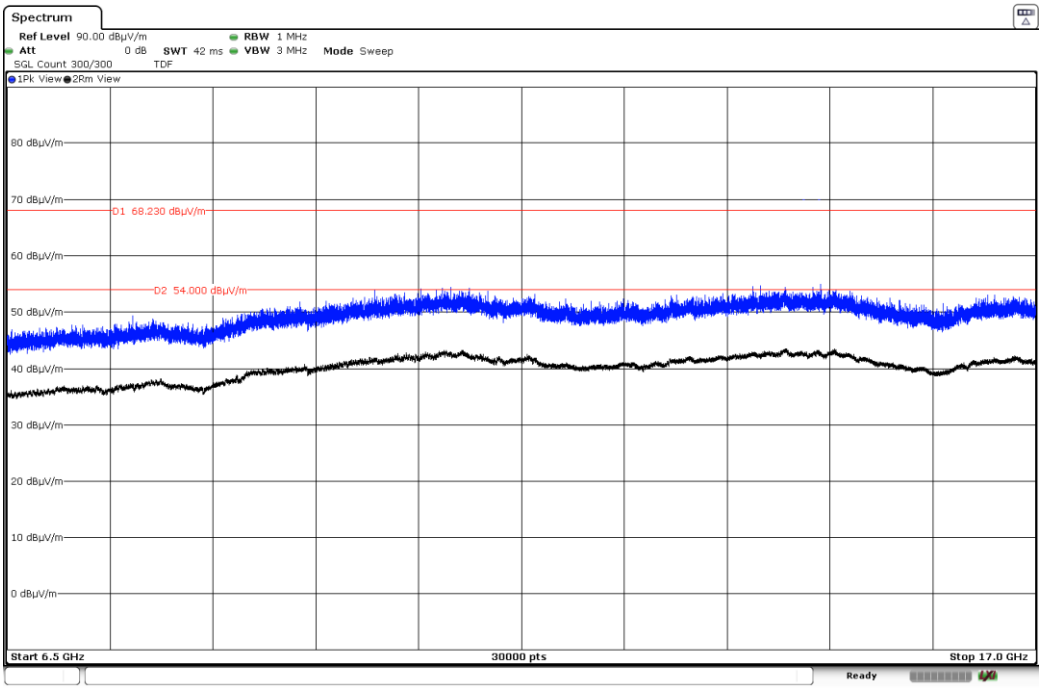


Note: The peak shown in the plot above the limit is the carrier frequency.

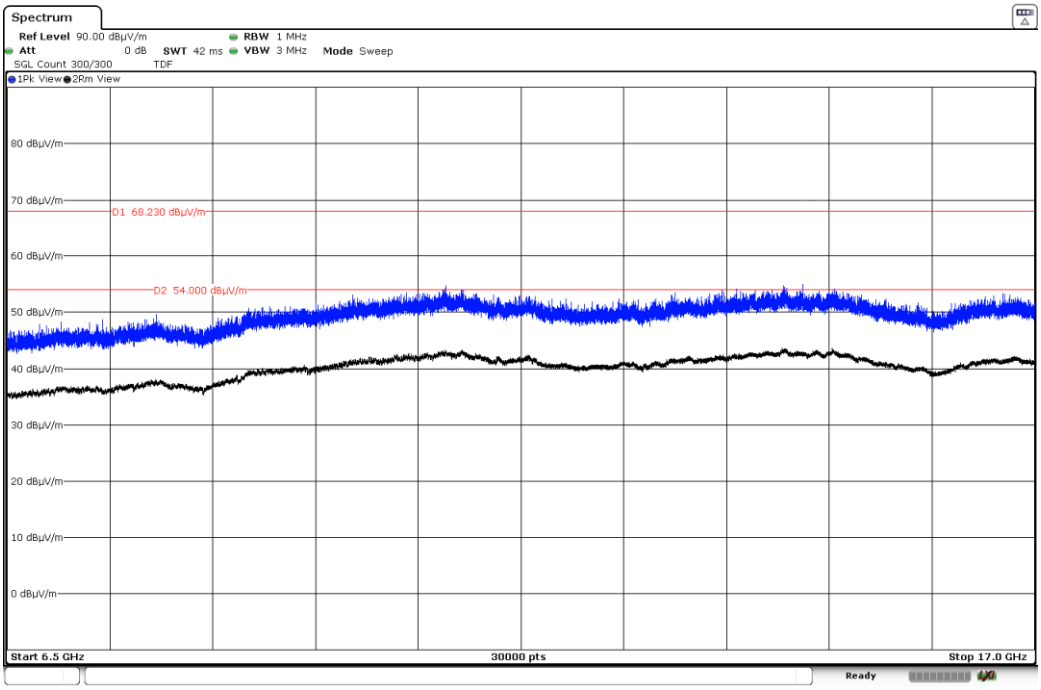
FREQUENCY RANGE 6.5 GHz to 17 GHz.

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 118 (5580MHz):



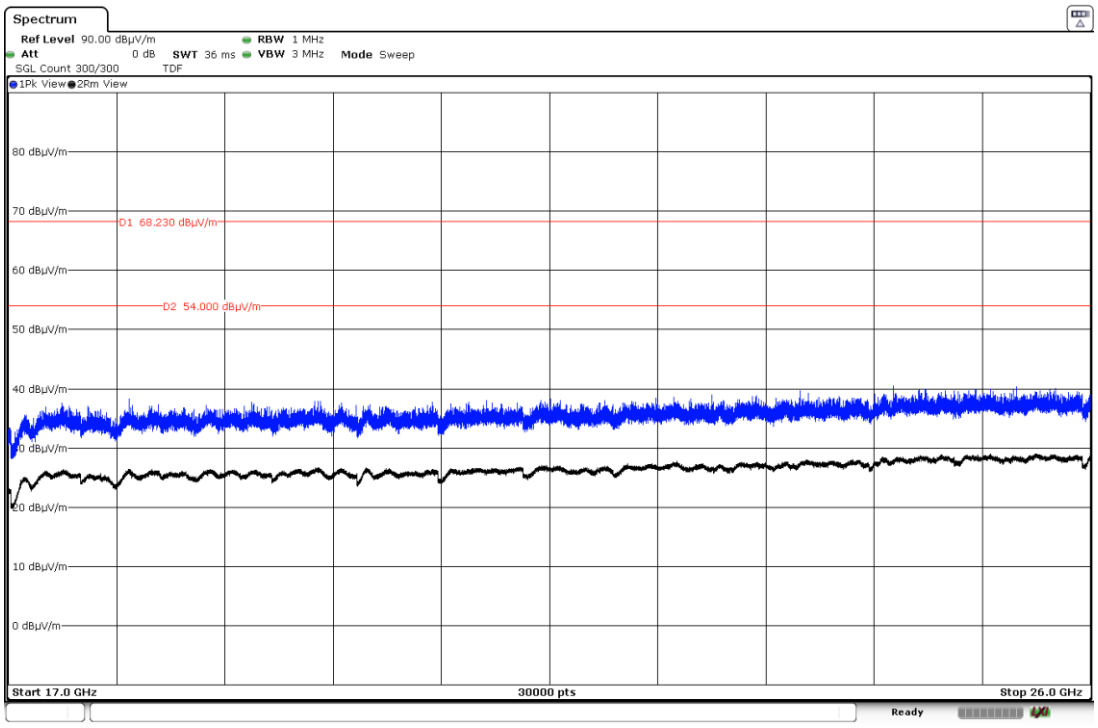
Channel 120 (5600MHz):



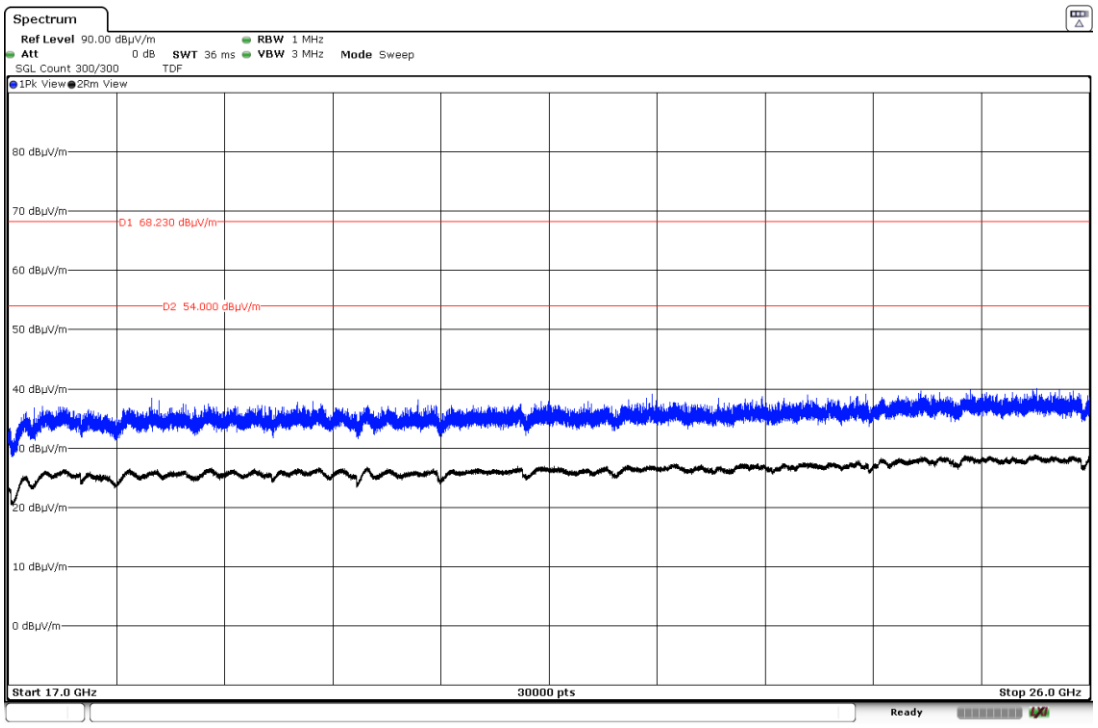
FREQUENCY RANGE 17 GHz to 26 GHz.

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 118 (5580MHz):



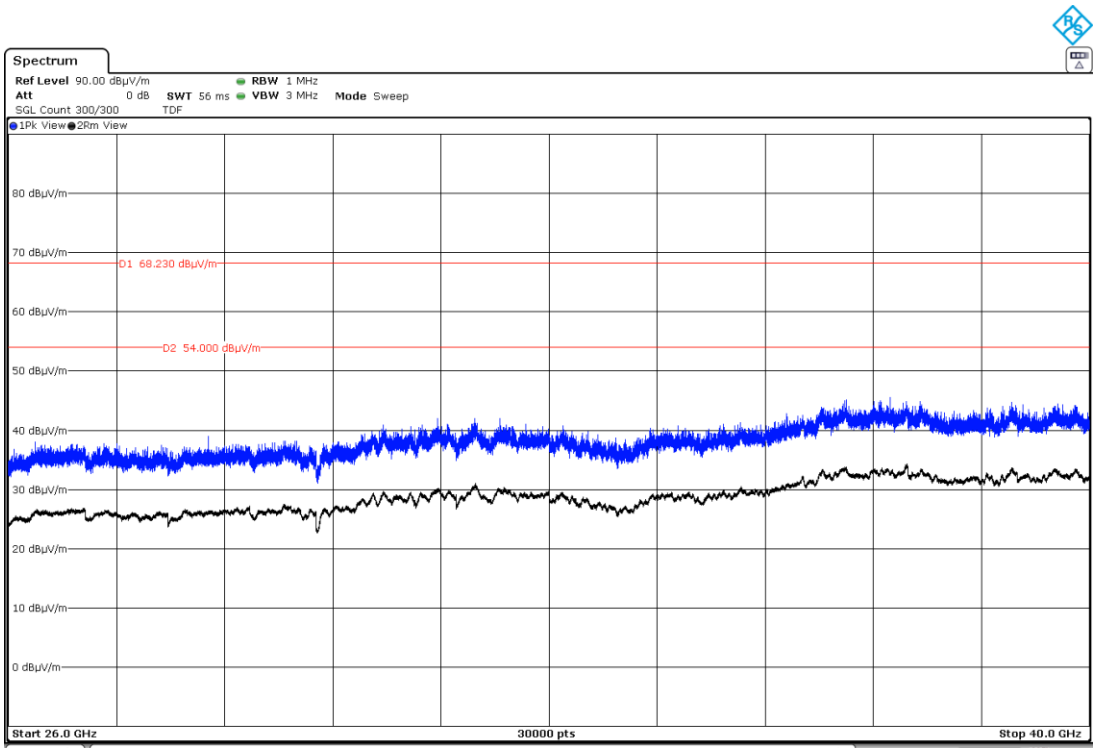
Channel 120 (5600MHz):



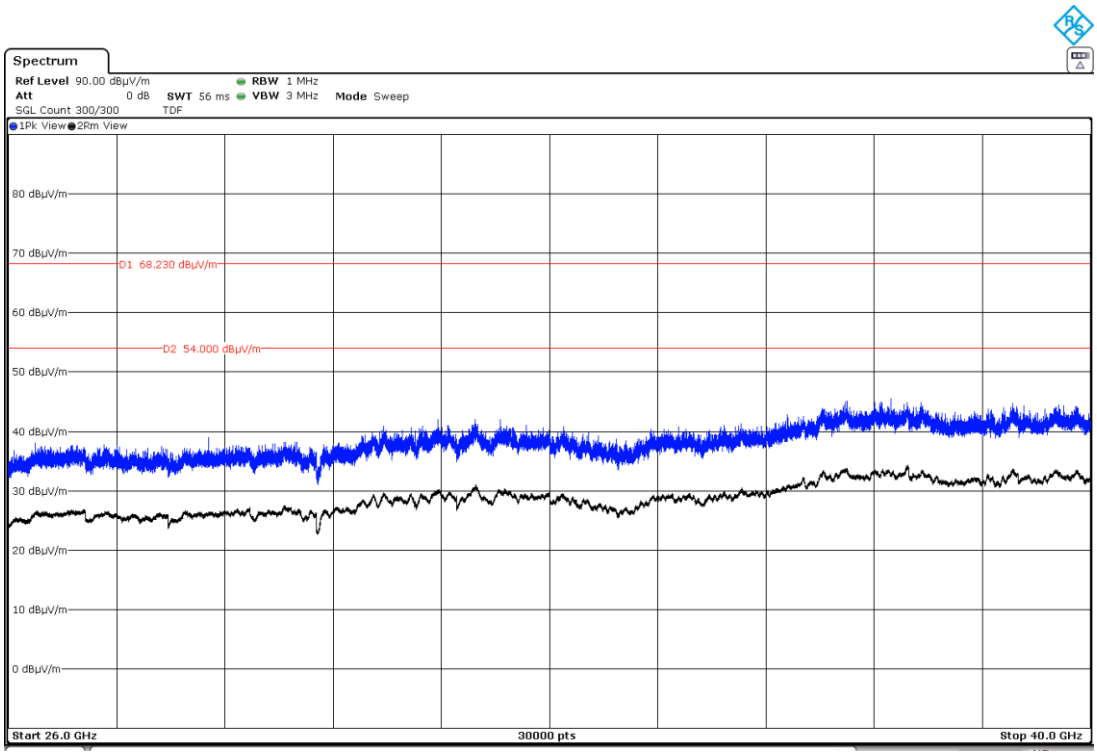
FREQUENCY RANGE 26 GHz to 40 GHz.

Mode : 802.11n HT20 – CDD – 20MHz – MIMO – CORE 0 & CORE 1 & CORE 2

Channel 118 (5580MHz):



Channel 120 (5600MHz):



FCC Section 15.407 Subclause (b) (2) / RSS-247 6.2.3.2. Transmitter Band Edge Radiated Emissions.

SPECIFICATION

For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of –27 dBm/MHz (68.23 dBµV/m at 3 m distance).

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 40000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RESULTS:

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

All emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz. There are restricted bands of operation below band edge at 5.35-5.46GHz therefore the provision of FCC Part 15.205 apply.

Field strength measurements using peak and average detector performed in the restricted bands below 5.47 GHz and above 5.725 GHz.

Test performed on the following worst cases modes in all relevant tests channels:

- 802.11a: 6 Mbit/s / SISO on Core 2
- 802.11n HT20: MCS0 / SISO on Core 2
- 802.11n HT40: MCS0 / SISO on Core 2
- 802.11ac VHT80: MCS0x1 / SISO on Core 2
- 802.11n HT20: MCS0 / MIMO / 2Tx CDD on Core 0 & Core 2
- 802.11n HT40: MCS0 / MIMO / 2Tx CDD on Core 0 & Core 2
- 802.11ac VHT80: MCS0x1 / MIMO / 2Tx CDD on Core 0 & Core 2
- 802.11n HT20: MCS8 / MIMO / 2Tx SDM on Core 0 & Core 2
- 802.11n HT40: MCS8 / MIMO / 2Tx SDM on Core 0 & Core 2
- 802.11ac VHT80: MCS0x2 / MIMO / 2Tx SDM on Core 0 & Core 2
- 802.11ac VHT20: MCS0x1 / MIMO / 2Tx TxBF on Core 0 & Core 2
- 802.11ac VHT40: MCS0x1 / MIMO / 2Tx TxBF on Core 0 & Core 2
- 802.11ac VHT80: MCS0x1 / MIMO / 2Tx TxBF on Core 0 & Core 2

- 802.11n HT20: MCS0 / MIMO / 3Tx CDD on Core 0 & Core 1 & Core 2
- 802.11n HT40: MCS0 / MIMO / 3Tx CDD on Core 0 & Core 1 & Core 2
- 802.11ac VHT80: MCS0x1 / MIMO / 3Tx CDD on Core 0 & Core 1 & Core 2

- 802.11n HT20: MCS16 / MIMO / 3Tx SDM on Core 0 &Core 1 & Core 2
- 802.11n HT40: MCS16 / MIMO / 3Tx SDM on Core 0 & Core 1 & Core 2
- 802.11ac VHT80: MCS0x3 / MIMO / 3Tx SDM on Core 0 & Core 1 & Core 2
- 802.11ac VHT20: MCS0x1 / MIMO / 3Tx TxBF on Core 0 & Core 1 & Core 2
- 802.11ac VHT40: MCS0x1 / MIMO / 3Tx TxBF on Core 0 & Core 1 & Core 2
- 802.11ac VHT80: MCS0x1 / MIMO / 3Tx TxBF on Core 0 & Core 1 & Core 2

Results for Mode: 802.11a - 20 MHz – SISO - Core2

Results: Peak / Channel 100

Frequency (MHz)	Antenna Polarity	Peak Level (dBuV/m)	Limit (dBuv/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
5470	Vertical	59.23	68.20	8.97	<± 3.05	PASS
5469.240	Vertical	62.09	68.20	6.11	<± 3.05	PASS

Results: Peak / Channel 140

Frequency (MHz)	Antenna Polarity	Peak Level (dBuV/m)	Limit (dBuv/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
5725	Vertical	61.36	68.20	6.84	<± 3.05	PASS
5731.547	Vertical	62.86	68.20	5.34	<± 3.05	PASS

Results: Peak / Straddle Channel 144

Frequency (MHz)	Antenna Polarity	Peak Level (dBuV/m)	Limit (dBuv/m)	Margin (dB)	Measurement uncertainty (dB)	Verdict
5939.060	Vertical	62.48	68.20	5.72	<± 3.05	PASS