

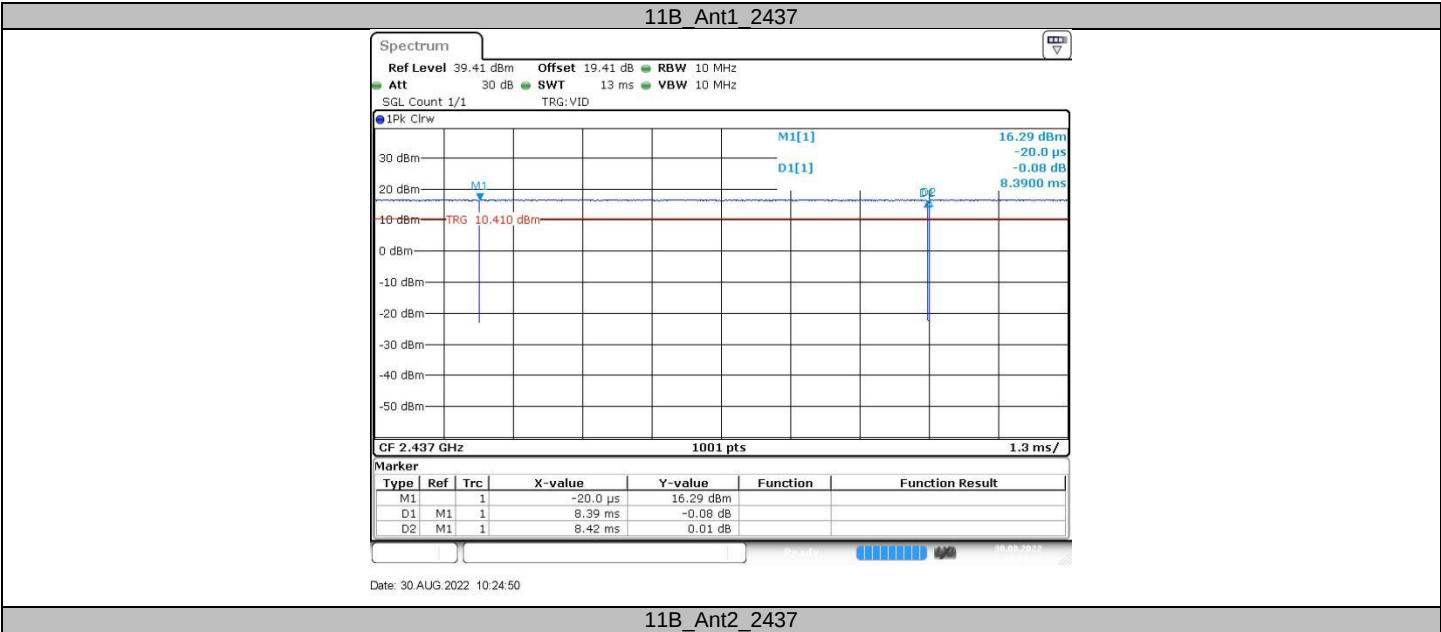
1. Conducted Output Power Measurement and tune-up tolerance

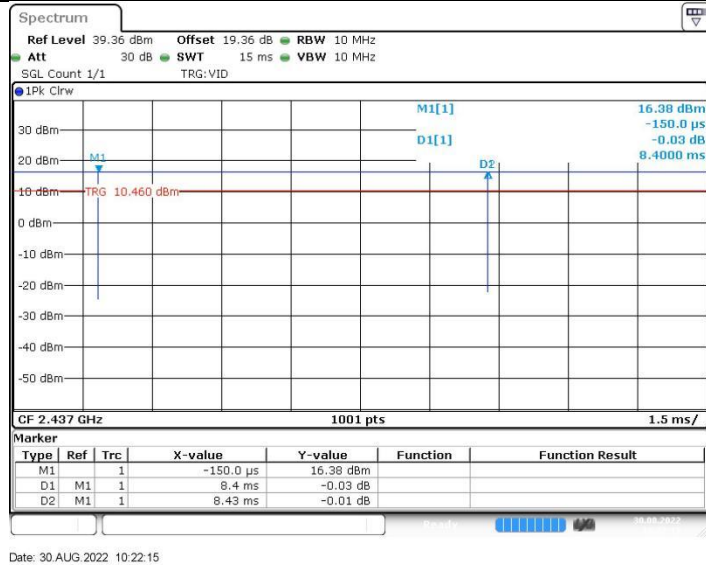
1.1. Power measurement result of 2.4GHz Wi-Fi.

Mode	Channel	Frequency (MHz)	Data Rate	ANT 1		ANT 2		SAR Test	Duty Cycle (%)
				Average Power (dBm)	Tune-up Limit (dBm)	Average Power (dBm)	Tune-up Limit (dBm)		
802.11b	1	2412	1Mbps	15.56	16.0	15.88	16.0	Required	99.64
	6	2437		15.70		15.98			
	11	2462		15.78		16.00			
802.11g	1	2412	6Mbps	Not Required	14.5	Not Required	14.5	Excluded	\
	6	2437			14.5		14.5		
	11	2462			14.5		14.5		
802.11n20	1	2412	MCS0		14.5		14.5		\
	6	2437			12.0		12.0		
	11	2462							
802.11n40	3	2422							
	6	2437							
	9	2452							
802.11ax20	1	2412			14.5		14.5		
	6	2437							
	11	2462							
802.11ax40	3	2422							
	6	2437							
	9	2452							

Duty cycle:

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	8.39	8.42	99.64
	Ant2	2437	8.40	8.43	99.64





Mode	ANT	Frequency (MHz)	Ru Size	Ru Index	Data Rate	Average Power (dBm)	Tune-up Limit (dBm)	SAR Test	Duty Cycle (%)
11AX20MIMO	Ant1	2412	26Tone	RU0	MCS0	Not Required	11.5	Excluded	\
				RU4					
				RU8					
			52Tone	RU37					
				RU38					
				RU39					
				RU40					
			106Tone	RU53					
				RU54					
	Ant2	2412	26Tone	RU0				Excluded	\
				RU4					
				RU8					
			52Tone	RU37					
				RU38					
				RU39					
				RU40					
			106Tone	RU53					
				RU54					
	Ant1	2437	26Tone	RU0				Excluded	\
				RU4					
				RU8					
			52Tone	RU37					
				RU38					
				RU39					
				RU40					
			106Tone	RU53					
				RU54					
	Ant2	2437	26Tone	RU0				Excluded	\
				RU4					
				RU8					
			52Tone	RU37					
				RU38					
				RU38					

			106Tone	RU39					
				RU40					
				RU53					
				RU54					
	Ant1	2462	26Tone	RU0					
				RU4					
				RU8					
			52Tone	RU37					
				RU38					
				RU39					
				RU40					
			106Tone	RU53					
				RU54					
	Ant2	2462	26Tone	RU0					
				RU4					
				RU8					
			52Tone	RU37					
				RU38					
				RU39					
				RU40					
			106Tone	RU53					
				RU54					
11AX40MIMO	Ant1	2422	242Tone	RU61	MCS0	Not Required	11.5	Excluded	\
				RU62					
	Ant2	2422	242Tone	RU61					
				RU62					
	Ant1	2437	242Tone	RU61					
				RU62					
	Ant2	2437	242Tone	RU61					
				RU62					
	Ant1	2452	242Tone	RU61					
				RU62					
	Ant2	2452	242Tone	RU61					
				RU62					

Note:

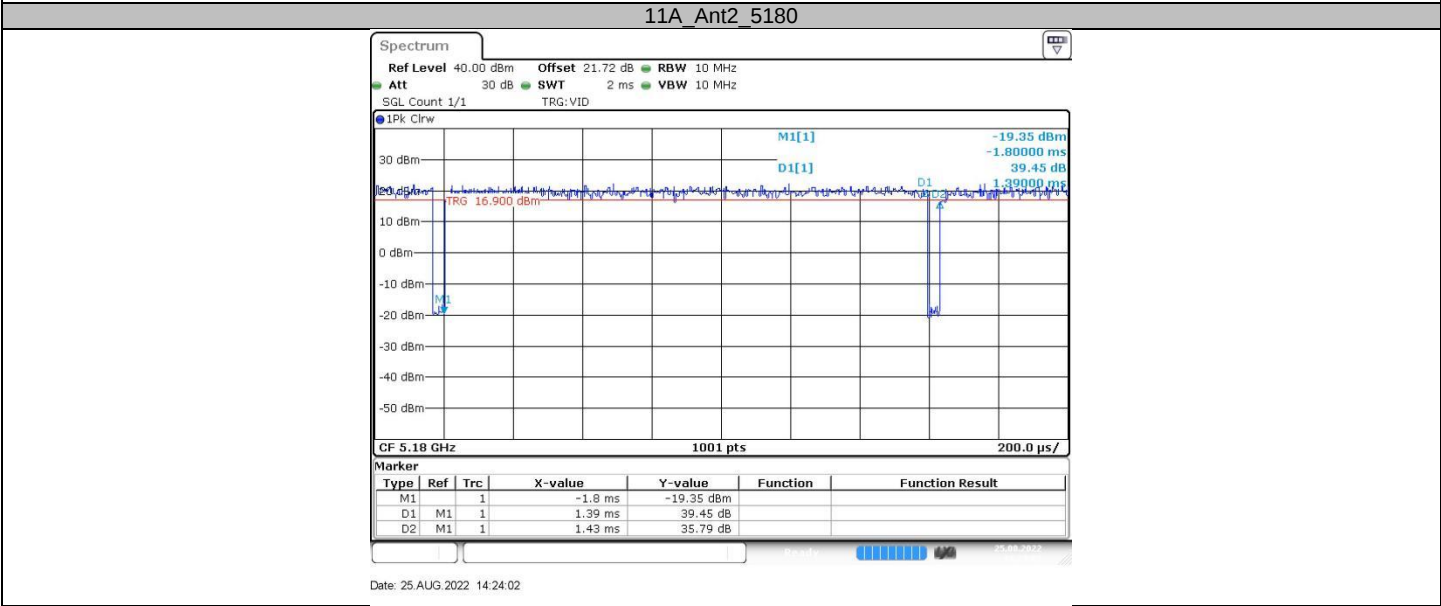
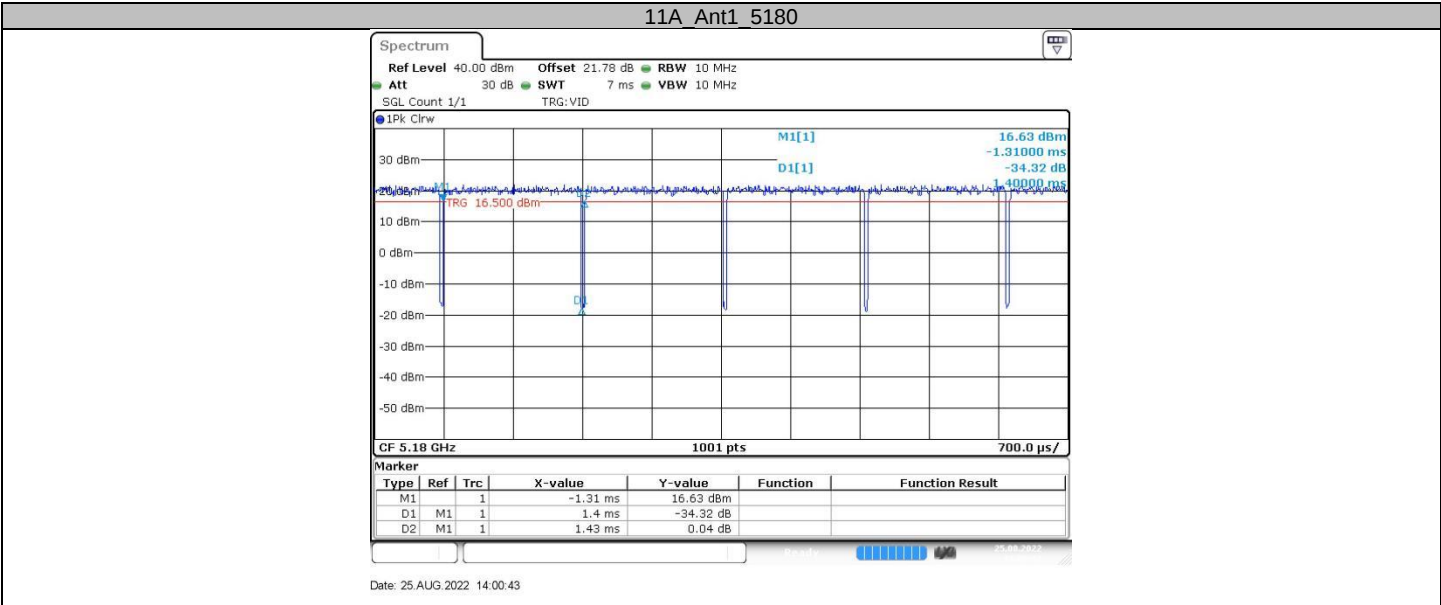
1. As per KDB 447498 D01 sec.4.1.d) at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

1.2. Power measurement result of 5GHz Wi-Fi

Mode	Channel	Frequency (MHz)	Data Rate	ANT 1		SAR Test	ANT 2		SAR Test	Duty Cycle (%)						
				Average Power (dBm)	Tune-up Limit (dBm)		Average Power (dBm)	Tune-up Limit (dBm)								
802.11a	36	5180	6Mbps	14.16	15.0	Required	14.99	15.0	Required	97.90						
	40	5200		14.32	15.0		14.23	15.0								
	44	5220		13.96	15.0		13.36	15.0								
	48	5240		14.12	15.0		14.29	15.0								
	52	5260		14.16	14.5	14.29	14.5	Excluded	Not Required							
	56	5280		13.80	14.5	14.14	14.5									
	60	5300		13.93	14.5	14.39	14.5									
	64	5320		14.46	14.5	14.42	14.5									
802.11n20	36	5180	MCS0	Not Required	13.5	Excluded	Not Required	13.5	Excluded	\						
	40	5200														
	44	5220														
	48	5240														
	52	5260														
	56	5280														
802.11ac20	60	5300	MCS0		13.5		Excluded	Not Required			13.5	Excluded	\			
	64	5320														
	36	5180														
	40	5200														
	44	5220														
	48	5240														
802.11ax20	52	5260	MCS0	13.5	Excluded	Not Required	13.5	Excluded	\							
	56	5280														
	60	5300														
	64	5320														
	38	5190								MCS0	14.5	Excluded	Not Required	14.5	Excluded	\
	46	5230														
54	5270															
62	5310															
802.11ac40	38	5190	MCS0	14.5	Excluded	Not Required	14.5	Excluded	\							
	46	5230														
	54	5270														
	62	5310														
802.11ax40	38	5190	MCS0	14.0	Excluded	Not Required	14.0	Excluded	\							
	46	5230														
	54	5270														
	62	5310														
802.11ac80	42	5210	MCS0	12.5	Excluded	Not Required	12.5	Excluded	\							
	58	5290														
802.11ax80	42	5210	MCS0	14.0	Excluded	Not Required	14.0	Excluded	\							
	58	5290														

Duty cycle:

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.43	97.9
	Ant2	5180	1.39	1.43	97.9

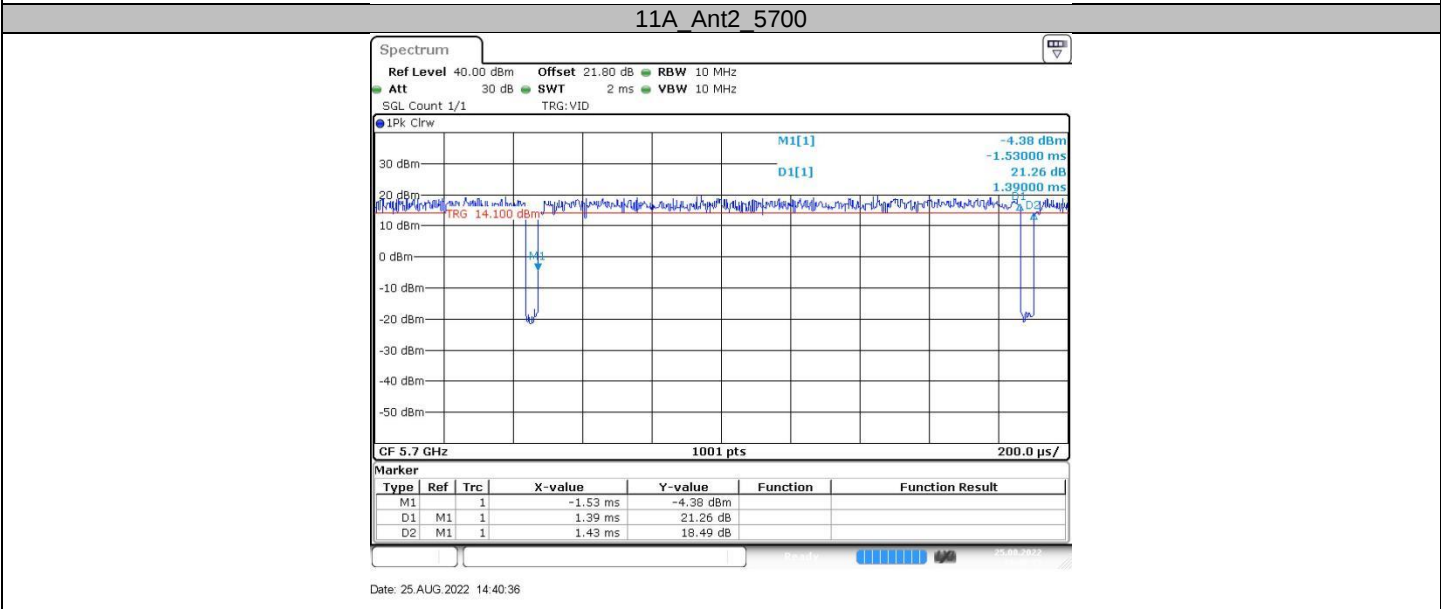
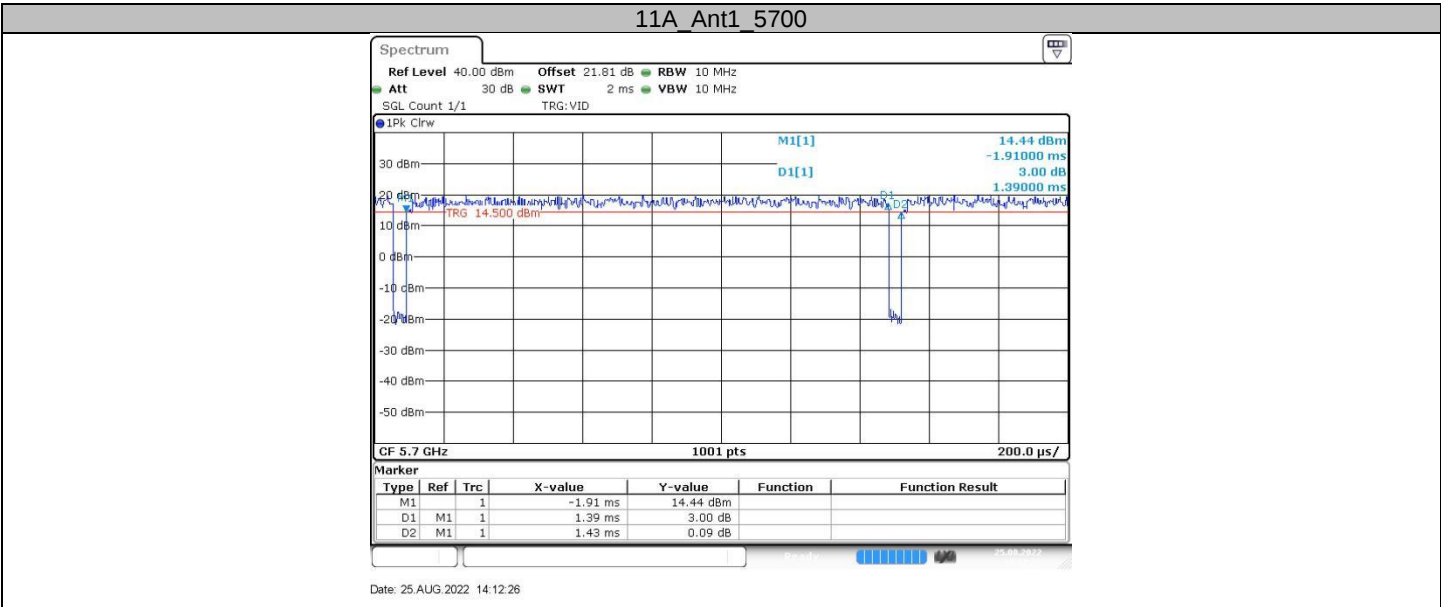


Mode	Channel	Frequency (MHz)	Data Rate	ANT 1		SAR Test	ANT 2		SAR Test	Duty Cycle (%)								
				Average Power (dBm)	Tune-up Limit (dBm)		Average Power (dBm)	Tune-up Limit (dBm)										
802.11a	100	5500	6Mbps	14.27	14.5	Required	13.66	14.5	Required	97.2								
	104	5520		13.33	14.5		13.31	14.5										
	108	5540		13.64	14.5		13.30	14.5										
	112	5560		13.62	14.5		13.32	14.5										
	116	5580		13.43	14.5		14.03	14.5										
	120	5600		13.32	14.5		13.22	14.5										
	124	5620		13.42	14.5		13.20	14.5										
	128	5640		14.21	14.5		13.00	14.5										
	132	5660		13.87	14.5		13.78	14.5										
	136	5680		13.62	14.5		13.54	14.5										
	140	5700		13.96	14.5		13.40	14.5										
	144	5720		13.44	14.5		13.02	14.5										
	802.11n20	100		5500	MCS0		Not Required	12.5			Excluded	Not Required	12.5	Excluded	\			
		104		5520														
108		5540																
112		5560																
116		5580																
120		5600																
124		5620																
128		5640																
132		5660																
136		5680																
140		5700																
144		5720																
802.11ac20	100	5500	MCS0	Not Required	12.5	Excluded		Not Required	12.5	Excluded		\						
	104	5520																
	108	5540																
	112	5560																
	116	5580																
	120	5600																
	124	5620																
	128	5640																
	132	5660																
	136	5680																
	140	5700																
	144	5720																
802.11ax20	100	5500	MCS0		Not Required		13.0	Excluded	Not Required		13.0		Excluded	\				
	104	5520																
	108	5540																
	112	5560																
	116	5580																
	120	5600																
	124	5620																
	128	5640																
	132	5660																
	136	5680																
	140	5700																
	144	5720																
802.11n-HT40	102	5510	MCS0	Not Required		14.0	Excluded		Not Required	14.0	Excluded	\						
	110	5550																
	118	5590																
	126	5630																
	134	5670																
	142	5710																
802.11ac40	102	5510	MCS0		Not Required	14.0		Excluded	Not Required	14.0			Excluded	\				
	110	5550																
	118	5590																
	126	5630																
	134	5670																
	142	5710																
802.11ax-HE40	102	5510	MCS0			Not Required			13.0	Excluded					Not Required	13.0	Excluded	\
	110	5550																
	118	5590																
	126	5630																
	134	5670																

802.11ac80	142	5710	MCS0		12.5			12.5		
	106	5530								
	122	5610								
	138	5690								
802.11ax80	106	5530	MCS0		13.5			13.5		
	122	5610								
	138	5690								

Duty cycle:

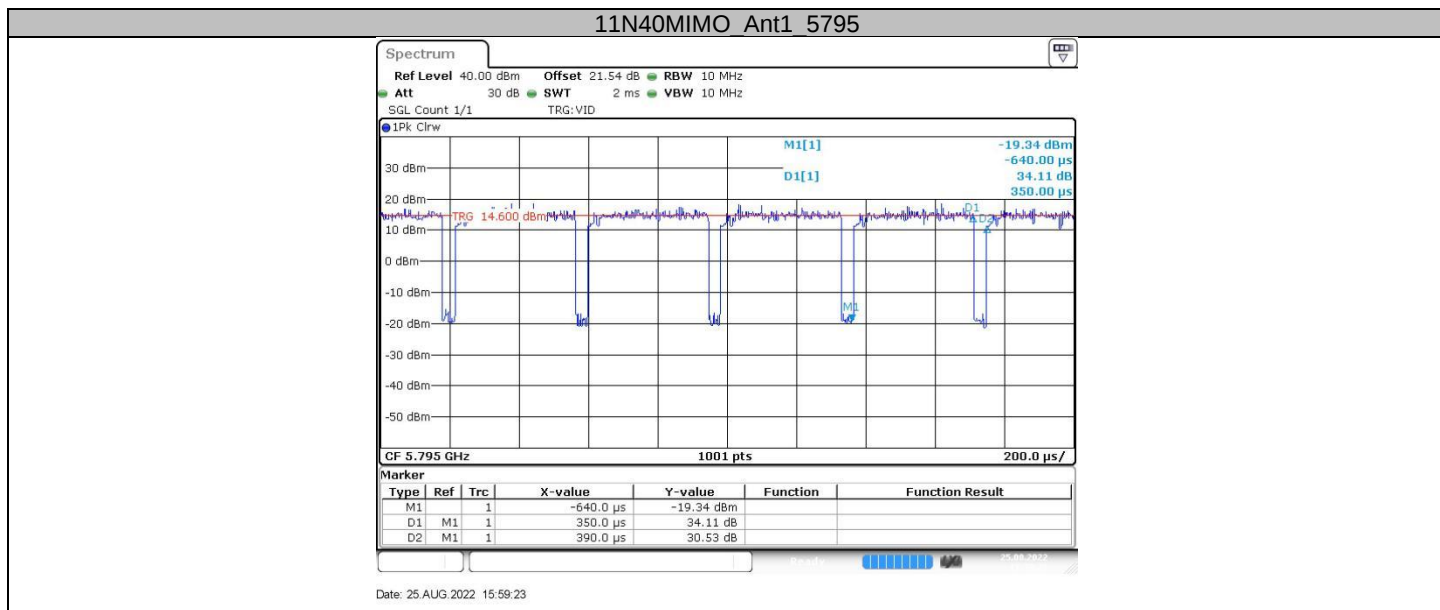
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5700	1.39	1.43	97.20
	Ant2	5700	1.39	1.43	97.20

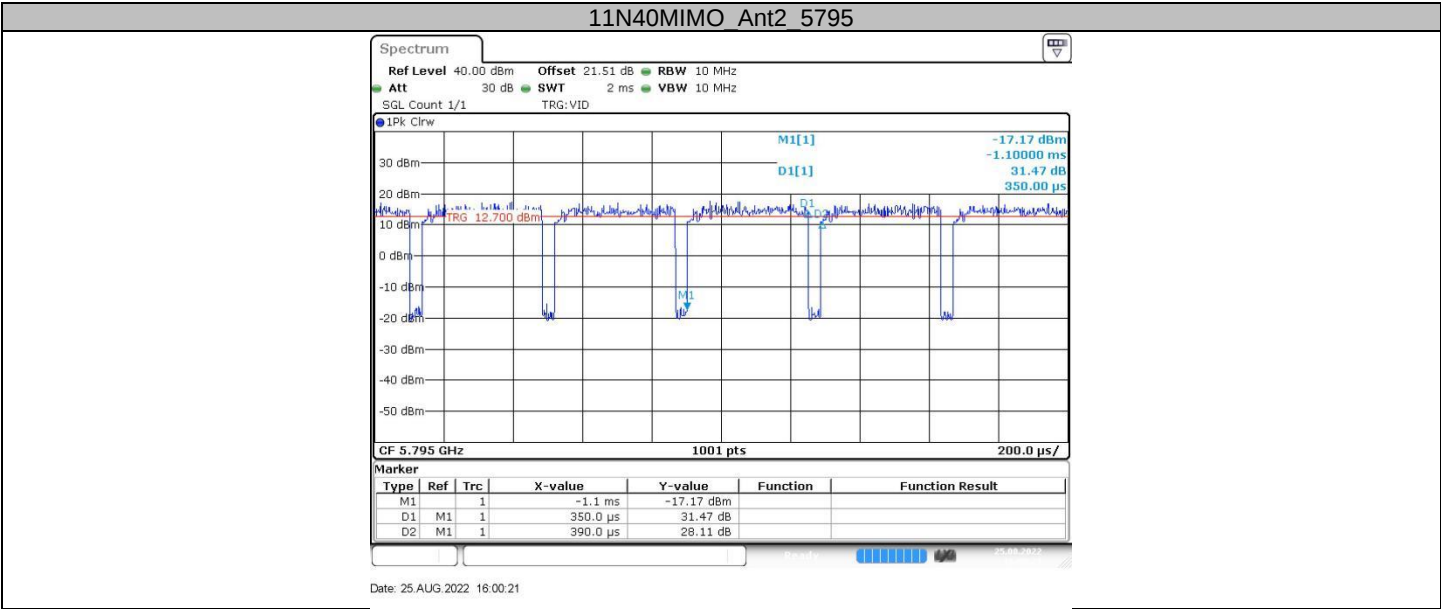


Mode	Channel	Frequency (MHz)	Data Rate	ANT 1		SAR Test	ANT 2		SAR Test	Duty Cycle (%)				
				Average Power (dBm)	Tune-up Limit (dBm)		Average Power (dBm)	Tune-up Limit (dBm)						
802.11a	149	5745	6Mbps	Not Required	15.0	Excluded	Not Required	15.0	Excluded	\				
	153	5765												
	157	5785												
	161	5805												
	165	5825												
802.11n20	149	5745	MCS0		12.0			12.0						
	153	5765												
	157	5785												
	161	5805												
	165	5825												
802.11ac20	149	5745	MCS0	12.0	12.0									
	153	5765												
	157	5785												
	161	5805												
	165	5825												
802.11ax20	149	5745	MCS0	12.5	12.5									
	153	5765												
	157	5785												
	161	5805												
	165	5825												
802.11n40	151	5755	MCS0	14.25	15.0	Required	14.99	15.0	Required	89.74				
	159	5795		14.15			14.55							
802.11ac40	151	5755	MCS0	Not Required	15.0	Excluded	Not Required	15.0	Excluded	\				
	159	5795			13.0			13.0						
802.11ax40	151	5755	13.0		13.0									
	159	5795	12.0		12.0									
802.11ac80	155	5775	MCS0											
802.11ax80	155	5775	MCS0											

Duty cycle:

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11N40	Ant1	5795	0.35	0.39	89.74
	Ant2	5795	0.35	0.39	89.74





Mode	ANT	Frequency (MHz)	Ru Size	Ru Index	Data Rate	Average power (dBm)	Tune-up Limit (dBm)	SAR Test	Duty Cycle (%)
11AX20	Ant1	5180	26Tone	RU0	MCS0	Not Required	1.5	Excluded	\
				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
	Ant2	5180	26Tone	RU0	MCS0				
				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
	Ant1	5200	26Tone	RU0	MCS0				
				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
	Ant2	5200	26Tone	RU0	MCS0				

			106Tone	RU53	MCS0
				RU54	MCS0
	Ant2	5280	26Tone	RU0	MCS0
				RU4	MCS0
				RU8	MCS0
			52Tone	RU37	MCS0
				RU38	MCS0
				RU39	MCS0
				RU40	MCS0
			106Tone	RU53	MCS0
				RU54	MCS0
	Ant1	5320	26Tone	RU0	MCS0
				RU4	MCS0
				RU8	MCS0
			52Tone	RU37	MCS0
				RU38	MCS0
				RU39	MCS0
				RU40	MCS0
			106Tone	RU53	MCS0
				RU54	MCS0
	Ant2	5320	26Tone	RU0	MCS0
				RU4	MCS0
				RU8	MCS0
			52Tone	RU37	MCS0
				RU38	MCS0
				RU39	MCS0
				RU40	MCS0
			106Tone	RU53	MCS0
				RU54	MCS0
	Ant1	5500	26Tone	RU0	MCS0
				RU4	MCS0
				RU8	MCS0
			52Tone	RU37	MCS0
				RU38	MCS0
				RU39	MCS0
				RU40	MCS0
			106Tone	RU53	MCS0
				RU54	MCS0
	Ant2	5500	26Tone	RU0	MCS0
				RU4	MCS0
				RU8	MCS0
			52Tone	RU37	MCS0
				RU38	MCS0
				RU39	MCS0
				RU40	MCS0
			106Tone	RU53	MCS0
				RU54	MCS0
	Ant1	5580	26Tone	RU0	MCS0
				RU4	MCS0
				RU8	MCS0
			52Tone	RU37	MCS0

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			106Tone	RU38	MCS0		
				RU39	MCS0		
				RU40	MCS0		
				RU53	MCS0		
	Ant2	5580	26Tone	RU54	MCS0		
				RU0	MCS0		
				RU4	MCS0		
				RU8	MCS0		
			52Tone	RU37	MCS0		
				RU38	MCS0		
				RU39	MCS0		
				RU40	MCS0		
			106Tone	RU53	MCS0		
				RU54	MCS0		
	Ant1	5700	26Tone	RU0	MCS0		
				RU4	MCS0		
				RU8	MCS0		
			52Tone	RU37	MCS0		
				RU38	MCS0		
				RU39	MCS0		
				RU40	MCS0		
			106Tone	RU53	MCS0		
				RU54	MCS0		
	Ant2	5700	26Tone	RU0	MCS0		
				RU4	MCS0		
				RU8	MCS0		
			52Tone	RU37	MCS0		
				RU38	MCS0		
				RU39	MCS0		
				RU40	MCS0		
			106Tone	RU53	MCS0		
				RU54	MCS0		
	Ant1	5745	26Tone	RU0	MCS0		
				RU4	MCS0		
				RU8	MCS0		
			52Tone	RU37	MCS0		
				RU38	MCS0		
				RU39	MCS0		
				RU40	MCS0		
			106Tone	RU53	MCS0		
				RU54	MCS0		
	Ant2	5745	26Tone	RU0	MCS0		
				RU4	MCS0		
				RU8	MCS0		
			52Tone	RU37	MCS0		
				RU38	MCS0		
				RU39	MCS0		
				RU40	MCS0		
			106Tone	RU53	MCS0		
				RU54	MCS0		
	Ant1	5785	26Tone	RU0	MCS0		

				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
	Ant2	5785	26Tone	RU0	MCS0				
				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
	Ant1	5825	26Tone	RU0	MCS0				
				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
	Ant2	5825	26Tone	RU0	MCS0				
				RU4	MCS0				
				RU8	MCS0				
			52Tone	RU37	MCS0				
				RU38	MCS0				
				RU39	MCS0				
				RU40	MCS0				
			106Tone	RU53	MCS0				
				RU54	MCS0				
11AX40	Ant1	5190	242Tone	RU61	MCS0	Not Required	1.0	Excluded	\
				RU62	MCS0				
	Ant2	5190	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5230	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5230	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5270	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5270	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5310	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5310	242Tone	RU61	MCS0				
				RU62	MCS0				

	Ant1	5510	242Tone	RU61	MCS0		0.0		
				RU62	MCS0				
	Ant2	5510	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5550	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5550	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5670	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5670	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5755	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5755	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant1	5795	242Tone	RU61	MCS0				
				RU62	MCS0				
	Ant2	5795	242Tone	RU61	MCS0				
				RU62	MCS0				
11AX80	Ant1	5210	484Tone	RU65	MCS0	Not Required	5.0	Excluded	\
				RU66	MCS0				
	Ant2	5210	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant1	5290	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant2	5290	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant1	5530	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant2	5530	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant1	5610	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant2	5610	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant1	5775	484Tone	RU65	MCS0				
				RU66	MCS0				
	Ant2	5775	484Tone	RU65	MCS0				
				RU66	MCS0				

Note:

1. As per KDB 447498 D01 sec.4.1.d) at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

1.3. Power measurement result of BT

Mode	Channel	Frequency (MHz)	ANT 1		SAR Test	Duty Cycle (%)
			Average Power (dBm)	Tune-up Limit (dBm)		
DH5	0	2402	Not Required	10.00	Excluded	\
	39	2441				
	78	2480				
2DH5	0	2402		10.00		
	39	2441				
	78	2480				
3DH5	0	2402	9.62	10.50	Required	57.6
	39	2441	9.39			
	78	2480	9.55			
BLE 1M	0	2402	Not Required	4.00	Excluded	\
	19	2440				
	39	2480				
BLE 2M	0	2402				
	19	2440				
	39	2480				

Duty cycle:

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
3DH5	Ant1	2441	2.88	5.00	57.60

